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बिहार सरकार

# BUILDING CONSTRUCTION DEPARTMENT

# Schedule of Rates

## Volume – III

## (Edition – Nineth)

**Effective from : 27.09.2018**

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# BUILDING CONSTRUCTION DEPARTMENT BIHAR


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# RATE OF ITEMS
## VOLUME-3


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# प्रस्तावना

बिहार लोक निर्माण संहिता के कंडिका–103 एवं बिहार सरकार, पथ निर्माण विभाग द्वारा निर्गत संकल्प सह पठित पत्रांक–01/बी–12–2003–5762 (एस) डब्लू0 ई0 पटना दिनांक–05.06.5018 के आलोक में राज्यस्तरीय अनुसूचित दर निर्धारण समिति पथ निर्माण विभाग द्वारा अनुमोदित सामग्रियों का दर, श्रमदर एवं कार्य मदों के फारमेंट के आधार पर भवन निर्माण विभाग के लिये डी0एस0आर0–2007–13 (सी0पी0डब्लू0डी0) के प्रावधान के अनुरूप अनुसूचित दर का प्रथम संस्करण दिनांक 01.07.2008 द्वितीय संस्करण दिनांक 16.01.2009, तृतीय संस्करण दिनांक–24.11.2009, चतुर्थ संस्करण दिनांक 15.06.2011, पंचम संस्करण दिनांक 16.07.2012, षष्ट्म संस्करण दिनांक 11.08.2013, सप्तम संस्करण दिनांक 15.09.2014, अष्टम संस्करण दिनांक 17.10.2016 से लागू किया गया था। राज्यस्तरीय अनुसूचित दर निर्धारण समिति द्वारा दिये गये सामग्रियों, श्रमदर के पुनरीक्षण एवं अन्य निर्णय के आलोक में दिनांक 17.10.2016 से प्रभावी अनुसूचित दर को पुनरीक्षण करना आवश्यक हो गया था। इस परिपेक्ष्य में भवन निर्माण विभाग द्वारा संशोधित श्रमदर, सामग्री मद इत्यादि के राज्य स्तरीय अनुसूचित दर निर्धारण समिति अनुमोदित दरों के आधार पर दिनांक 27.09.2018 से प्रभावी अनुसूचित दर का नवम् संस्करण तैयार किया गया है, जिसमें निम्नलिखित प्रावधान किये गये हैः–

- ❖ संयोजक, राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख–सह अपर आयुक्त–सह– विशेष सचिव, पथ निर्माण विभाग, बिहार, पटना के पत्रांक–मु0नि0(पथ) 21 अनु0 पटना, दिनांक 18.05.2018 के आलोक में श्रमदर जो कि तदनुसार इन सामग्रियों से संबंधित कार्य मदों के दरों का भी पुनरीक्षण किया गया है। श्रम संसाधन विभाग, बिहार की अधिसूचना संख्या–1453 दिनांक 28.03.2018 द्वारा प्रकाशित न्यूनतम दैनिक मजदूरी के आधार पर पुनरीक्षण किया गया है।
- ❖ राज्य स्तरीय अनुसूचित दर निर्धारण समिति की दिनांक 13.03.2018 को हुई बैठक में अनुमोदित ईंट, स्टोनएग्रीगेट तथा बालू के बेसिक दर का पथ निर्माण विभाग के लिए दिनांक 01.04.2018 से लागू अनुसूचित दर के आधार पर इन सामग्रियों से संबंधित कार्यमदों के दर पुनरीक्षण में इनका समावेश किया गया है।

- ❖ संयोजक, राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख–सह अपर आयुक्त–सह–विशेष सचिव, पथ निर्माण विभाग, बिहार, पटना के पत्रांक–36 अनु0 दिनांक–31.08.2018 के आलोक में भवन निर्माण विभाग, में व्यवहृत होनेवाले निर्माण सामग्रियों के बेसिक दर के पुनरीक्षिण के फलस्वरूप संबंधित कार्यमदों के दर विश्लेषणों में इसका समावेश किया गया है।
- ❖ राज्य स्तरीय अनुसूचित दर निर्धारण समिति की दिनांक 17.07.2018 के बैठक में अनुमोदित सीमेंट, स्टील, Structural Steel के दर के आधार पर कार्य मद के दर का पुनरीक्षण किया गया है।
- ❖ राज्य स्तरीय अनुसूचित दर निर्धारण समिति द्वारा अनुमोदित सामग्रियों के Basic दर में कोई Tax यथा GST, Royalty आदि शामिल नहीं है। कार्य मदों के दर विश्लेषण के Input Basic दर में खनन एवं भूतत्व विभाग द्वारा निर्धारित Royalty को जोड़ दिया गया है।
- ❖ प्रत्येक कार्य मद में केन्द्रीय लोक निर्माण विभाग के अनुमोदित Format के अनुसार GST 12% का प्रावधान Reverse Calculation के आधार पर किया गया है।
- ❖ प्रत्येक कार्य मदों में दर विश्लेषण केन्द्रीय लोक निर्माण विभाग के अनुमोदित Format के आधार पर किया गया है।
- ❖ बिहार लोक निर्माण संहिता के आलोक में केन्द्रीय लोक निर्माण विभाग के दर विश्लेषण के आधार पर स्वच्छताधिष्ठापन, जलापूर्ति, जल निस्सरण, हेरिटेज भवन एवं स्ट्रक्चरल ग्लेजिंग, ए0सी0पी0, पी0भी0सी0 कार्य ग्रेनाईट, रोड वर्क एवं कतीपय New Technology Innovative कार्य से संबधित कार्य मदों के सामग्रियों के दर अनुमोदित कराकर इन कार्य मदों का भी समावेश पुनरीक्षित अनुसूचित दर में किया गया है।
- ❖ पूर्व की भांति प्रस्तुत अनुसूचित दर में भी सीमेंट एवं ईंट का दर गया असैनिक प्रमण्डल के लिए अनुमोदित दर जो कि वर्त्तमान में राज्यस्तरीय अनुसूचित दर निर्धारण समिति द्वारा अनुमोदित विभिन्न जोनों के लिए सीमेंट एवं ईंट के दर में न्यूनतम है, को आधार मानकर अनुसूचित दर तैयार किया गया है।
- ❖ दर विश्लेषण में पोर्टलैंड स्लैग सीमेंट (पी0एस0सी0) का दर जो कि राज्य स्तरीय अनुसूचित दर निर्धारण समिति की दिनांक–17.07.2018 की बैठक में अनुमोदित की गयी थी, का प्रयोग किया गया है। अगर किसी भी कार्य मदों में पी0पी0सी0 या ओ0पी0सी0 का उपयोग किया जाता है तो कार्य मदों के दरों में अनुमोदित दर के अनुरूप घटाये या बढ़ाये जायेंगे।

- ❖ मोटा बालू (Coarse Sand), ईंट एवं स्टोन ऐग्रीगेट का दर श्रोत पर लिया गया है। जिसमें किसी प्रकार का Handling Charge सम्मिलित नहीं है।
- ❖ संयोजक, राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख–सह अपर आयुक्त–सह– विशेष सचिव, पथ निर्माण विभाग, बिहार, पटना के पत्रांक–मु0नि0(पथ) 76 अनु0 पटना, दिनांक 09.07.2013 के आलोक में अनुमोदित सामग्रियों की ढुलाई दर को पुनरीक्षण दर में शामिल किया गया है।
- ❖ संयोजक, राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख–सह अपर आयुक्त–सह–विशेष सचिव, पथ निर्माण विभाग, बिहार, पटना के पत्रांक–मु0नि0(पथ) 30 अनु0 पटना, दिनांक 27.04.2011 के आलोक में वैसे स्थल जहाँ पर रेलवे द्वारा निर्माण सामग्रियों की ढुलाई सम्भव है। वहाँ पर रोड एवं रेलवे दोनो के द्वारा Carriage of Material का दर प्राप्त किया जाय तथा दोनो में से न्यूनतम दर को ही प्रयोग में लाया जाय।
- ❖ ईंट, बालू, चीप्स आदि के लिए अधिकतम लीड एवं कैरेज का दर दिनांक 01.07.2008 से लागू अनुसूचित दर के प्रस्तावना में उल्लेखित कंडिकाओं के अनुसार ही प्रावधान किया गया है।
- ❖ संयोजक, राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख–सह अपर आयुक्त–सह–विशेष सचिव, पथ निर्माण विभाग, बिहार, पटना के पत्रांक – मु0 नि0 (पथ) 53/18–21 दिनांक 18.05.2018 के अनुसार TATA, SAIL, VIZAG एवं Shyam Steel Industries Ltd. का स्टील प्रयोग निर्माण कार्यों में किया जाना है।
- ❖ दर विश्लेषण में श्रमिक कल्याण कोष हेतु 1% (एक प्रतिशत) सेस का प्रावधान किया गया है।
- ❖ समिति के निर्णयानुसार सक्षम पदाधिकारी, निर्माण कार्य क्षेत्र से जोन के अनुसार ही सीमेंट, ईंट के निर्धारित दर का प्रयोग करेंगे और इसके अनुसार दर में अंतर की राशि को प्राक्कलन में जोड़ेगें या घटायेंगे।
- ❖ वर्त्तमान पुनरीक्षित अनुसूचित दर में फ्लाई एश से संबंधित मदों को शामिल किया गया है। ताकि फ्लाई एश से संबंधित सामग्रियों का ज्यादा–से–ज्यादा निर्माण कार्यों में प्रयोग किया जा सके।
- ❖ अनुसूचित दर के पुनरीक्षण एवं वर्त्तमान संस्करण को तैयार करने में यथा संभव सावधानी बरती गई है, फिर भी ऐसी सम्भावना है कि इस अनुसूचित दर को तैयार करने में कुछ त्रुटि रह गई हो तो जो व्यवहार में लाने के क्रम में दृष्टिगोचर हो सकती है। ऐसी स्थिति में अनुरोध है कि उन त्रुटियों को विभागीय अनुसूचित दर निर्धारण समिति के जानकारी में अविलम्ब दी जाय ताकि

विचारोपरांत उन त्रुटियों का समुचित निराकरण किया जा सके। प्रायः यह देखा जा रहा है कि क्षेत्रीय स्तर से कोई सुझाव इत्यादि समय पर नहीं प्राप्त हो रहे हैं, जिससे अनुसूचित दर को और भी ज्यादा व्यवहारिक और उपयोगी बनाने में असहजता महसूस की जा रही है।

❖ इस अनुसूचित दर पुस्तिका के सभी उपयोग करने वाले को यह परामर्श दिया जाता है कि इनके द्वारा कार्यमद के दर विश्लेषण एवं विशिष्टियों का गहन अध्ययन अवश्य करें एवं इससे संबंधित सुझाव विभाग को उपलब्ध कराना सुनिश्चित करें।

❖ भवन निर्माण विभाग, बिहार, पटना के अनुसूचित दर के पुनरीक्षण एवं वर्त्तमान संस्करण को तैयार करने में तथा उसे प्रभावी बनाने में **श्री राम बाबू प्रसाद, कार्यपालक अभियन्ता, संरचना प्रमंडल संख्या–2, पटना** का अथक परिश्रम एवं सहयोग रहा है जिसके लिए विभाग इनकी सराहना करती है।

संरचना प्रमण्डल संख्या–2 के कनीय अभियन्ता सुश्री वैशाली, लवली कुमारी एवं मणि भारती तथा संरचना प्रमण्डल संख्या–2 के सभी कर्मचारी मुख्य अभियंता (पटना) कोषांग के श्री संतोष कुमार, कम्प्यूटर ऑपरेटर एवं भवन निर्माण विभाग के अन्य कर्मचारीगण का उनके महत्वपूर्ण योगदान के लिए सहराना करती है।

राज्य अनुसूचित दर निर्धारण समिति के अध्यक्ष एवं सभी सदस्यों के साथ–साथ विभागीय पदाधिकारी श्री कश्यप कुमार गुप्ता, मुख्य अभियन्ता (पटना), श्री रामजी राय, मुख्य अभियन्ता, (उ0), श्री उपेन्द्र नारायण, मुख्य अभियन्ता, (द0), श्री योगेन्द्र सिंह, मुख्य अभियंता(निरूपण) एवं श्री असीम कुमार, मुख्य विद्युत अभियंता, श्री अनिल कुमार, मुख्य वास्तुविद एवं श्री नवीन कुमार, अभियंता प्रमुख के सचिव(प्रावैधिक), भवन निर्माण विभाग, बिहार, पटना को भी अनुसूचित दर पुस्तिका के पुनरीक्षण, सहयोग एवं सुझावों के लिए उनके प्रति आभार प्रगट किया जाता है। श्री चंचल कुमार, प्रधान सचिव, भवन निर्माण विभाग, बिहार, पटना एवं श्री अमित कुमार, संयुक्त सचिव, भवन निर्माण विभाग, श्री रवि शंकर चौधरी, संयुक्त सचिव, भवन निर्माण विभाग, बिहार, पटना को उनके मार्ग दर्शन, प्रेरणा एवं दर पुनरीक्षण हेतु उनके द्वारा दिये गये मूल्यवान सुझाव के लिए कृतज्ञता व्यक्त की जाती है।

**यह पुनरीक्षित अनुसूचित दर दिनांक–27.09.2018 से प्रभावी किया जाता है।**

(लक्ष्मी नारायण दास)
अभियंता प्रमुख–सह–अपर आयुक्त–सह–विशेष सचिव,
भवन निर्माण विभाग, बिहार, पटना

# बिहार सरकार

राज्य स्तरीय अनुसूचित दर निर्धारण समिति
पथ निर्माण विभाग, बिहार, पटना।
E-mail ID-sorrcd2012@gmail.com

पत्रांकः– मु0 नि0 (पथ) 23/2007 अश– II 36 (अनु0) /दिनांकः– 31/08/2018

प्रेषक,

लक्ष्मी नारायण दास,
संयोजक
राज्य स्तरीय अनुसूचित दर निर्धारण समिति
–सह–अभियंता प्रमुख–सह–अपर आयुक्त–सह–विशेष सचिव,
पथ निर्माण विभाग, बिहार, पटना।

सेवा में,

अभियंता प्रमुख–सह–अपर आयुक्त–सह–विशेष सचिव,
भवन निर्माण विभाग, बिहार, पटना।

विषयः– **वर्ष 2018–19 के लिये लागू की जानेवाली अनुसूचित दर के लिये भवन निर्माण कार्यों में प्रयुक्त होनेवाली विभिन्न सामग्रियों के दर निर्धारण पर राज्यस्तरीय अनुसूचित दर निर्धारण समिति द्वारा दिनांक–14.08.2018 की बैठक में लिये गये निर्णय का प्रेषण।**

प्रसंगः– आपका पत्रांक–8198(भ.) पटना, दिनांक–02.08.2018

महाशय,

उपर्युक्त विषयक एवं प्रासंगिक पत्र के संबंध में कहना है कि राज्यस्तरीय अनुसूचित दर निर्धारण समिति द्वारा दिनांक–14.08.2018 की बैठक में भवन निर्माण विभाग, बिहार, पटना द्वारा प्रस्तावित वर्ष 2018–19 के लिये लागू की जानेवाली सामग्रियों की दर की अनुमोदित प्रति आवश्यक कार्रवाई हेतु समर्पित की जाती है। यदि नई स्वीकृत दरों में कोई त्रुटि या विसंगति परिलक्षित हुई तो इसकी सूचना अधोहस्ताक्षरी को अविलम्ब देने की कृपा की जाय।

**अनु0**– सामग्रियों की अनुमोदित बेसिक दर सूचि (54 पृष्ठों में)।

विश्वासभाजन

31/8/18

(लक्ष्मी नारायण दास)
संयोजक
राज्य स्तरीय अनुसूचित दर निर्धारण समिति
–सह–अभियंता प्रमुख–सह–अपर आयुक्त–सह–विशेष सचिव,
पथ निर्माण विभाग, बिहार, पटना।

31/8/18

## दिनांक–14.08.2018 को आहूत राज्य स्तरीय अनुसूचित दर निर्धारण समिति की विशेष बैठक की कार्यवाही में लिये गये निर्णय :–

1. **वर्ष 2018–19 के लिए लागू की जानेवाली अनुसूचित दर के लिए भवन निर्माण विभाग, बिहार में प्रयुक्त होनेवाली विभिन्न सामग्रियों के दर निर्धारण के संबंध में**–अभियंता प्रमुख–सह–अपर आयुक्त–सह–विशेष सचिव, भवन निर्माण विभाग, बिहार, पटना के पत्रांक–8198(स.), दिनांक–02.08.2018 के द्वारा वर्ष 2018–19 के लिए लागू की जानेवाली अनुसूचित दर के लिए भवन निर्माण कार्यो में प्रयुक्त होनेवाली सामग्रियों का दर प्राप्त हुआ है।

   उक्त प्रस्तावित दर मुख्यतः DSR 2016 में सन्निहित सामग्रियों के दर एवं अन्य मद राज्यस्तरीय अनुसूचित दर निर्धारण समिति द्वारा वर्ष 2016 के लिए अनुमोदित दर पर आधारित है। DSR 2016 के दर में सन्निहित वैट एवं अन्य करों को घटाकर अप्रैल 2016 के थोक मूल्य सूचकांक (109.00) को आधार मानते हुए जून 2018 (119.20) के थोक मूल्य सूचकांक में हुई प्रतिशत वृद्धि के आधार पर प्रस्ताव तैयार कर समर्पित किया गया है।

   भवन निर्माण विभाग के प्रस्ताव पर वर्ष 2018–19 के लिए भवन निर्माण के विभिन्न सामग्रियों के दर को संलग्न विवरणी के अनुसार सर्वसम्मति से सम्यक विमर्शोपरान्त अनुमोदित करने का निर्णय लिया गया।

2. **Dalmia Bharat Group सीमेंट कम्पनी द्वारा पथ निर्माण विभाग, बिहार, पटना के SOR में Composite Cement (IS 16415:2015) को शामिल करने से संबंधित प्रस्ताव के संबंध में**– इस संबंध में समिति के सभी सदस्यों द्वारा सर्वसम्मति से विभिन्न सीमेंट निर्माता कम्पनीयों से Composite Cement के Production एवं Quality के साक्ष्य के साथ जानकारी प्राप्त करने का निर्णय लिया गया।

3. **स्टील निर्माता कम्पनी SRMB SRIJAN Pvt Ltd से प्राप्त आवेदन के संबंध में** :– इस संबंध में सम्यक विचारोपरान्त सर्वसम्मति से पूर्व में दिनांक–08.05.2018 को आहूत राज्यस्तरीय अनुसूचित दर निर्धारण समिति की हुई बैठक में लिए गए निर्णय को यथावत् रखने का निर्णय लिया गया।

4. **अन्यान्यः**–

   (i) लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना से प्राप्त सोलर वाटर DC Submersible Pump 1HP, 2HP एवं 3HP के दर अनुमोदन के संबंध में– इस संबंध में 1HP, 2HP एवं 3HP Solar Water DC Submersible Pump की आपूर्ति, अधिष्ठापन, मरम्मति, सम्पोषण एवं रख–रखाव से संबंधित दर प्रस्ताव पर विचार–विमर्श किया गया। समिति के सदस्यों द्वारा विशेष परिस्थिति में सर्वसम्मति से संलग्न सूची के अनुसार दर अनुमोदन करने का निर्णय लिया गया।

   (ii) भवन निर्माण विभाग, बिहार, पटना के अन्तर्गत विद्युत संबंधित कार्य में प्रयुक्त सामग्रियों के अनुसूचित दर पुस्तक के अनुमोदन के संबंध में – इस संबंध में भवन निर्माण विभाग के अन्तर्गत

कृ0पृ0उ0

विद्युत प्रभाग द्वारा समर्पित प्रस्ताव पर समिति के सदस्यों द्वारा विचार–विमर्श किया गया तथा संलग्न सूची के अनुसार विद्युत सामग्रियों के अनुसूचित दर पुस्तक को अनुमोदित करने का निर्णय लिया गया।

(iii) अभियंता प्रमुख, ग्रामीण कार्य विभाग द्वारा यह संज्ञान में लाया गया कि पथ निर्माण विभाग के Overhead मद में प्रावधानित 10% Charge में 4% राशि VAT सन्निहित है, इस तरह finished Rate की गणना में Labour पर GST के रूप में अधिक राशि प्रदर्शित होती है, जो एक विसंगति है, जिसे दूर किया जाना चाहिए। समिति द्वारा इस विषय पर विचार–विमर्श किया गया। MORT&H के Standard Data book में पूर्व से दर–विश्लेषण में Overhead मद में VAT सन्निहित है। चूँकि MORT&H के Standard Data book के आधार पर ही दर निर्धारण किया जाना है, ऐसी परिस्थिति में जबतक MORT&H के Standard Data book का Revision नहीं होता है, तबतक के लिए यथास्थिति बनाए रखने का निर्णय लिया गया।

14/8/18
सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, भवन निर्माण विभाग, बिहार, पटना।

14.8.18
सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, लघु जल संसाधन विभाग, बिहार, पटना

14.8.18
सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–मुख्य अभियंता (असैनिक) बिहार स्टेट पावर होल्डिंग कंपनी लि0, बिहार, पटना

14/8/18
सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–मुख्य अभियंता, (विधुत) भवन निर्माण विभाग, बिहार, पटना

14/8/18.
सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, तकनीकी परीक्षण कोषांग, निगरानी विभाग, बिहार, पटना

14.8.18
सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना

14/8/18
सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, मुख्यालय जल संसाधन विभाग, बिहार, पटना।

14/8/18
संयोजक
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख–सह–अपर आयुक्त–सह–विशेष सचिव, पथ निर्माण विभाग, बिहार, पटना।

## 0.3 MATERIALS FOR BUILDING WORK AND ROAD WORK

Note.- These rates are exclusive of contractor's profit, over heads ,carriage and all octroi (vat,Excise,GST, Royity and other taxes)

| Code No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 0200 | Plain ended valley gutters Sheets 6 mm thick (corrugated) | sqm | 209.74 | | 1.175 | 178.50 | 1.09360 | 195.21 | **** |
| 0204 | Curved barge board | each | 153.95 | | 1.175 | 131.02 | 1.0936 | 143.28 | **** |
| 0205 | Barge Board 2.44 metre long | each | 359.83 | | 1.175 | 306.24 | 1.0936 | 334.90 | **** |
| 0206 | Barge Board 1.83 metre long | each | 269.40 | | 1.175 | 229.28 | 1.0936 | 250.74 | **** |
| 0207 | Drop end for plain ended valley gutter One piece plain angular ridge 1.22 metres long | each | 155.86 | | 1.175 | 132.65 | 1.0936 | 145.06 | **** |
| 0208 | Plain ended valley gutters Serrated or plain wing Adjustable Ridge 1.22 m long | pair | 213.60 | | 1.175 | 181.79 | 1.0936 | 198.80 | **** |
| 0209 | Close fittings adjustable ridge 1.10 m long | pair | 242.45 | | 1.175 | 206.34 | 1.0936 | 225.65 | **** |
| 0210 | Drop end for plain ended valley gutter North light adjustable ridge 1.22 mm long | pair | 213.60 | | 1.175 | 181.79 | 1.0936 | 198.80 | **** |
| 0211 | Plain ended valley gutters Ridge finials | pair | 109.68 | | 1.175 | 93.34 | 1.0936 | 102.08 | **** |
| 0212 | Plain ended valley gutters Unserrated adjustable ridge for hips | pair | 213.60 | | 1.175 | 181.79 | 1.0936 | 198.80 | **** |
| 0213 | Plain ended valley gutters Roof light (1.52 metre long) | each | 1154.54 | | 1.175 | 982.59 | 1.0936 | 1074.56 | **** |
| 0214 | Apron flashing pieces | each | 150.09 | | 1.175 | 127.74 | 1.0936 | 139.69 | **** |
| 0215 | Drop end for plain ended valley gutter Eaves filler pieces | each | 109.68 | | 1.175 | 93.34 | 1.0936 | 102.08 | **** |
| 0216 | Drop end for plain ended valley gutter North light ventilator curves | each | 263.63 | | 1.175 | 224.37 | 1.0936 | 245.37 | **** |
| 0219 | Drop end for plain ended valley gutter Expansion joint for North light curves | each | 161.54 | | 1.175 | 137.57 | 1.0936 | 150.44 | **** |
| 0220 | Drop end for plain ended valley gutter Expansion joint for ridges | pair | 302.11 | | 1.175 | 257.11 | 1.0936 | 281.18 | **** |
| 0221 | Drop end for plain ended valley gutter Louvers 'S' type (1.75 m) | each | 127.01 | | 1.175 | 108.09 | 1.0936 | 118.21 | **** |
| 0222 | Seam bolts nuts 6mm dia and 25mm long | 10 Nos | 41.51 | 37.00 | 1.175 | 31.49 | 1.0936 | 34.44 | * |
| 0223 | Non asbestos Fibre (high impact poly propelene reinforced) cement corrugated sheet 6 mm thick | sqm | 260.05 | 225.00 | 1.175 | 191.49 | 1.0936 | 209.41 | * |
| 0224 | Non asbestos Fibre (high impact poly propelene reinforced) cement close fitting adjustable ridge | metre | 218.44 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 0225 | Non asbestos Fibre (high impact poly propelene reinforced) cement corrugate serrated adjustable ridge | metre | 218.44 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 0226 | Non asbestos Fibre (high impact poly propelene reinforced) cement plain wing adjustable ridge | metre | 208.04 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 0227 | Non asbestos Fibre (high impact poly propelene reinforced) cement unserrated adjustable ridge for hips | metre | 312.07 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 0228 | Non asbestos Fibre (high impact poly propelene reinforced) cement corrugated apron piece | metre | 234.04 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 0229 | Non asbestos Fibre (high impact poly propelene reinforced) cement eaves filler piece | each | 182.04 | 175.00 | 1.175 | 148.94 | 1.0936 | 162.88 | * |
| 0230 | Non asbestos Fibre (high impact poly propelene reinforced) cement north light curves | metre | 322.46 | 280.00 | 1.175 | 238.30 | 1.0936 | 260.60 | * |
| 0231 | Non asbestos Fibre (high impact poly propelene reinforced) cement ventilator curves | each | 426.49 | 310.00 | 1.175 | 263.83 | 1.0936 | 288.52 | * |
| 0232 | Non asbestos Fibre (high impact poly propelene reinforced) cement barge boards boards 6mm thick | metre | 426.49 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 0233 | Non asbestos Fibre (high impact poly propelene reinforced) cement ridge finial | pair | 166.44 | 165.00 | 1.175 | 140.43 | 1.0936 | 153.57 | * |
| 0234 | Non asbestos Fibre (high impact poly propelene reinforced) cement special north light curves | each | 572.12 | 555.00 | 1.175 | 472.34 | 1.0936 | 516.55 | * |
| 0235 | Non asbestos Fibre (high impact poly propelene reinforced) cement S type louvers | each | 260.05 | 260.00 | 1.175 | 221.28 | 1.0936 | 241.99 | * |
| 0236 | Multi purpose fibre (high impact poly propelene reinforced) cement boards 6mm thick | sqm | 208.04 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |

| Code No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 0237 | Multi purpose fibre (high impact poly propelene reinforced) cement boards8mm thick | sqm | 260.05 | 215.00 | 1.175 | 182.98 | 1.0936 | 200.11 | * |
| 0238 | 6 mm thick heavy duty fiber cement board | sqm | | 440.00 | 1.175 | 374.47 | 1.0936 | 409.52 | * |
| 0239 | 8mm thick heavy duty fiber cement board | sqm | | 322.00 | 1.175 | 274.04 | 1.0936 | 299.69 | * |
| 0240 | 9 mm thick heavy duty fiber cement board | sqm | | 659.00 | 1.175 | 560.85 | 1.0936 | 613.35 | * |
| 0241 | 12.5 mm thick Gypsum plaster board | sqm | | 160.00 | 1.175 | 136.17 | 1.0936 | 148.92 | * |
| 0242 | 6 mm thick multipurpose cement bonded wood particle board conforming to IS : 14276 | sqm | | 205.00 | 1.175 | 174.47 | 1.0936 | 190.80 | * |
| 0243 | 8 mm thick multipurpose cement bonded wood particle board conforming to IS : 14276 | sqm | | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 0285 | Brick Aggregate (Single size) 63 mm nominal size | cum | 1378.65 | | | 1222.00 | | 1222.00 | ** |
| A | For Uraban Patna | cum | 1470.00 | | | 1303.00 | | 1303.00 | ** |
| B | For Purnea,Saharsa,Bhagalpur,Munger & Darabhaga | cum | 1407.00 | | | 1247.00 | | 1247.00 | ** |
| C | For other places | cum | 1378.65 | | | 1222.00 | | 1222.00 | ** |
| D | For Patna Rural | cum | 1436.40 | | | 1273.00 | | 1273.00 | ** |
| 0286 | Brick Aggregate (Single size) 50 mm nominal size | cum | 1378.65 | | | 1351.00 | | 1351.00 | ** |
| A | For Uraban Patna | cum | 1470.00 | | | 1452.00 | | 1452.00 | ** |
| B | For Purnea,Saharsa,Bhagalpur,Munger & Darabhaga | cum | 1407.00 | | | 1392.00 | | 1392.00 | ** |
| C | For other places | cum | 1378.65 | | | 1351.00 | | 1351.00 | ** |
| D | For Patna Rural | cum | 1436.40 | | | 1408.00 | | 1408.00 | ** |
| 0287 | Brick Aggregate (Single size) 40 mm nominal size | cum | 1378.65 | | | 1351.00 | | 1351.00 | ** |
| A | For Uraban Patna | cum | 1470.00 | | | 1452.00 | | 1452.00 | ** |
| B | For Purnea,Saharsa,Bhagalpur,Munger & Darabhaga | cum | 1407.00 | | | 1392.00 | | 1392.00 | ** |
| C | For other places | cum | 1378.65 | | | 1351.00 | | 1351.00 | ** |
| D | For Patna Rural | cum | 1436.40 | | | 1408.00 | | 1408.00 | ** |
| 0291 | Stone Aggregate (Single size) 63 mm nominal size | cum | 458.12 | | | 331.67 | | 331.67 | ** |
| 0292 | Stone Aggregate (Single size) 50 mm nominal size | cum | 458.12 | | | 331.67 | | 331.67 | ** |
| 0293 | Stone Aggregate (Single size) 40 tum nominal size | cum | 472.54 | | | 345.22 | | 345.22 | ** |
| 0294 | Stone Aggregate (Single size) 25 mm nominal size | cum | 563.31 | | | 430.48 | | 430.48 | ** |
| 0295 | Stone Aggregate (Single size) 20 mm nominal size | cum | 590.84 | | | 456.33 | | 456.33 | ** |
| 0296 | Stone Aggregate (Single size) 12.5 mm nominal size | cum | 689.78 | | | 549.26 | | 549.26 | ** |
| 0297 | Stone Aggregate (Single size) 10 mm nominal size | cum | 659.07 | | | 520.42 | | 520.42 | ** |
| 0298 | Stone Aggregate (Single size) 6 mm nominal size | cum | 437.69 | | | 312.49 | | 312.49 | ** |
| 0302 | Safeda bailies 125 mm diameter | metre | 43.69 | 35.00 | 1.175 | 29.79 | 1.0938 | 32.58 | * |
| 0303 | Cowdung | cum | 49.93 | 50.00 | 1.175 | 42.55 | 1.0938 | 46.54 | * |
| 0304 | Bajri | cum | 1040.21 | 1200.00 | 1.175 | 1021.28 | 1.0938 | 1116.87 | * |
| 0305 | Bamboo 25mm dia 2.5 meter long | score | 364.07 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 0308 | Bhusa | quintal | 416.08 | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | * |
| 0309 | Paving bitumen S-90 of approved quality | tonne | 41608.33 | 29600.00 | 1.175 | 25191.49 | 1.0936 | 27549.41 | * |
| 0310 | Bitumen emulsion | tonne | 27365.10 | | | 39495.00 | | 39495.00 | ** |
| 0312 | Bitumen grade PMB- 40 | tonne | 43064.62 | 38550.00 | 1.175 | 32808.51 | 1.0936 | 35879.39 | * |
| 0313 | Blown type petrolium bitumin of Penetration 65/25 of approved quality | tonne | 38487.70 | 34561.00 | 1.175 | 29413.62 | 1.0936 | 32166.73 | * |
| 0314 | Bitumen hot sealing compound Grade A | kilogram | 27.04 | 28.00 | 1.175 | 23.83 | 1.0936 | 26.06 | * |
| 0316 | Bitumen hot sealing compound Bitumen solution primer of approved quality | litre | 46.81 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 0317 | Pre-moulded joint filler 12 mm thick | sqm | 364.07 | 303.00 | 1.175 | 257.87 | 1.0936 | 282.01 | * |
| 0318 | Bitumen felt fibre base (vegetable or animal) :As per IS 7193 Grade I | sqm | 62.41 | 70.00 | 1.175 | 59.57 | 1.0936 | 65.15 | * |
| 0319 | Bitumen felt as per IS 7193 Grade II | sqm | 79.05 | 80.00 | 1.175 | 68.09 | 1.0936 | 74.46 | * |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 0322 | Bitumen felt Type 3 grade I confirming to IS : 1322 | sqm | 52.41 | 70.00 | 1.175 | 59.57 | 1.0936 | 65.15 | * |
| 0323 | Separation Membrane of impermeable plastic sheeting 125 micron thick | sqm | 12.48 | 12.00 | 1.175 | 10.21 | 1.0936 | 11.17 | * |
| 0324 | Coal tar | litre | 31.20 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 0325 | Blasting Material Blasting powder | kilogram | 36.41 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | * |
| 0326 | Blasting Material Blasting fuse (fuse wire) | each | 15.60 | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | * |
| 0328 | White face insulating board: 12 mm thick | sqm | 374.48 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 0332 | Natural colour insulating board: 12 mm thick | sqm | 280.85 | 220.00 | 1.175 | 187.23 | 1.0936 | 204.76 | * |
| 0336 | Flame retardant face insulating board: 12 mm thick | sqm | 327.67 | 330.00 | 1.175 | 280.85 | 1.0936 | 307.14 | * |
| 0339 | Flame retardant face insulating board: Impregnated fibre board 12 mm thick | sqm | 364.07 | 350.00 | 1.175 | 297.87 | 1.0936 | 325.75 | * |
| 0341 | Flat pressed 3 layer particle board (medium density) Grade I 12 mm thick | sqm | 338.06 | 330.00 | 1.175 | 280.85 | 1.0936 | 307.14 | * |
| 0346 | Extra for veneered particle board with Teak veneering on one side and commercial veneering on other side | sqm | 270.46 | 270.00 | 1.175 | 229.79 | 1.0936 | 251.30 | * |
| 0347 | Extra for veneered particle board with Commercial veneering on both sides | sqm | 176.83 | 180.00 | 1.175 | 153.19 | 1.0936 | 167.53 | * |
| 0348 | Extra for veneered particle board with Teak veneering on both sides | sqm | 520.10 | 500.00 | 1.175 | 425.53 | 1.0936 | 465.36 | * |
| 0349 | Curing compound | litre | 52.01 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 0351 | Integral crystalline slurry | kg | | 270.00 | 1.175 | 229.79 | 1.0936 | 251.30 | * |
| 0352 | Integral crystalline admixture | kg | | 309.00 | 1.175 | 262.98 | 1.0936 | 287.59 | * |
| 0353 | Crystalline mortar | kg | | 248.00 | 1.175 | 211.06 | 1.0936 | 230.82 | * |
| 0354 | Integral crystalline dry shake | kg | | 412.00 | 1.175 | 350.64 | 1.0936 | 383.46 | * |
| 0355 | Swellable type water stop tape | metre | | 416.00 | 1.175 | 354.04 | 1.0936 | 387.18 | * |
| 0356 | Primer for swellable type water stop tape | litre | | 1750.00 | 1.175 | 1489.36 | 1.0936 | 1628.77 | * |
| 0357 | Polymer modified adhesive mortar | kg | | 14.50 | 1.175 | 12.34 | 1.0936 | 13.50 | * |
| 0362 | Brick bats | cum | 1135.05 | | | 1004.00 | | 1004.00 | ** |
| A | For Uraban Patna | cum | 1236.90 | | | 1095.00 | | 1095.00 | ** |
| B | For Purnea,Saharsa,Bhagalpur,Munger & Darabhaga | cum | 1168.65 | | | 1050.00 | | 1050.00 | ** |
| C | For other places | cum | 1135.05 | | | 1004.00 | | 1004.00 | ** |
| D | For Patna Rural | cum | 1185.45 | | | 1049.00 | | 1049.00 | ** |
| 0364 | Wire brush | each | 20.80 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 0365 | Soft brush | each | 18.72 | 18.00 | 1.175 | 15.32 | 1.0936 | 16.75 | * |
| 0367 | Portland Slag cement (P.S.C.) | tonne | 6126.73 | | | 5474.00 | | 5474.00 | *** |
| 367A | Patna | tonne | 6399.13 | | | 5718.00 | | 5718.00 | *** |
| 367B | Muzaffarpur | tonne | 6399.13 | | | 5688.00 | | 5688.00 | *** |
| 367C | Darbhanga | tonne | 6399.13 | | | 5572.00 | | 5572.00 | *** |
| 367D | Bhagalpur | tonne | 6399.13 | | | 5704.00 | | 5704.00 | *** |
| 367E | Munger | tonne | 6151.70 | | | 5492.00 | | 5492.00 | *** |
| 367F | Saharsa | tonne | 6399.13 | | | 5670.00 | | 5670.00 | *** |
| 367G | Purnea | tonne | 6399.13 | | | 5572.00 | | 5572.00 | *** |
| 367H | Gaya | tonne | 6126.73 | | | 5474.00 | | 5474.00 | *** |
| 367 I | Saran | tonne | 6303.79 | | | 5630.00 | | 5630.00 | *** |
| 0367 | Portland pozalona cement (P.P.C.) | tonne | 4571.78 | | | 3984.00 | | 3984.00 | *** |
| 367A | Patna | tonne | 5200.57 | | | 4532.00 | | 4532.00 | *** |
| 367B | Muzaffarpur | tonne | 5200.57 | | | 4376.00 | | 4376.00 | *** |
| 367C | Darbhanga | tonne | 5286.83 | | | 4376.00 | | 4376.00 | *** |
| 367D | Bhagalpur | tonne | 5200.57 | | | 4532.00 | | 4532.00 | *** |
| 367E | Munger | tonne | 5148.36 | | | 4490.00 | | 4490.00 | *** |
| 367F | Saharsa | tonne | 5286.83 | | | 4454.00 | | 4454.00 | *** |
| 367G | Purnea | tonne | 5286.83 | | | 4606.00 | | 4606.00 | *** |
| 367H | Gaya | tonne | 4571.78 | | | 3984.00 | | 3984.00 | *** |
| 367 I | Saran | tonne | 5082.53 | | | 4428.00 | | 4428.00 | *** |
| 0367 | Ordinary Portland cement (O.P.C.) Grade 43 | tonne | | | | 4882.00 | | 4882.00 | *** |
| 367A | Patna | tonne | | | | 5156.00 | | 5156.00 | *** |
| 367B | Muzaffarpur | tonne | | | | 5156.00 | | 5156.00 | *** |
| 367C | Darbhanga | tonne | | | | 5156.00 | | 5156.00 | *** |
| 367D | Bhagalpur | tonne | | | | 5076.00 | | 5076.00 | *** |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| )367E | Munger | tonne | | | | 5076.00 | | 5076.00 | *** |
| )367F | Saharsa | tonne | | | | 5156.00 | | 5156.00 | *** |
| )367G | Purnea | tonne | | | | 5156.00 | | 5156.00 | *** |
| )367H | Gaya | tonne | | | | 4882.00 | | 4882.00 | *** |
| 367 I | Saran | tonne | | | | 5068.00 | | 5068.00 | *** |
| 0368 | White cement | tonne | 14562.92 | 11200.00 | 1.175 | 9531.91 | 1.0936 | 10424.10 | * |
| 0369 | Plastic sheath,1.25 mm thick for dowel bars | sqm | 31.20 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 0370 | Coal (Steam) | quintal | 416.08 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 0371 | Sealant primer | kg | 130.03 | 125.00 | 1.175 | 106.38 | 1.0936 | 116.34 | * |
| 0373 | Cramp Gun metal 25x6x300 mm | each | 83.22 | 80.00 | 1.175 | 68.09 | 1.0936 | 74.46 | * |
| 0374 | Pre moulded Joint filler, 25 mm thick for expansion joint. | sqm | 520.10 | 450.00 | 1.175 | 382.98 | 1.0936 | 418.83 | * |
| 0378 | Brass butt hinges (Light/Ordinary type) 125x70x4 mm | ten | 884.17 | 850.00 | 1.175 | 723.40 | 1.0936 | 791.11 | * |
| 0379 | Brass butt hinges (Light/Ordinary type) 100x70x4 mm | ten | 728.15 | 700.00 | 1.175 | 595.74 | 1.0936 | 651.51 | * |
| 0380 | Brass butt hinges (Light/Ordinary type) 75x40x2.5 mm | ten | 447.29 | 430.00 | 1.175 | 365.96 | 1.0936 | 400.21 | * |
| 0381 | Brass butt hinges (Light/Ordinary type) 50x40x2.5 mm | ten | 187.24 | 180.00 | 1.175 | 153.19 | 1.0936 | 167.53 | * |
| 0382 | Brass butt hinges (heavy type) 125x85x5.5 mm(0.70kg) | ten | 3224.65 | 1442.00 | 1.175 | 1227.23 | 1.0936 | 1342.10 | * |
| 0383 | Brass butt hinges (heavy type; 100x85x5.5 mm(0.56kg) | ten | 2860.58 | 1153.00 | 1.175 | 981.28 | 1.0936 | 1073.12 | * |
| 0384 | Brass butt hinges (heavy type) 75x65x4.0 mm(0.20kg) | ten | 988.20 | 950.00 | 1.175 | 808.51 | 1.0936 | 884.19 | * |
| 0385 | Brass parliamentary hinges 150x125x27x5 mm | ten | 2964.60 | 3000.00 | 1.175 | 2553.19 | 1.0936 | 2792.17 | * |
| 0386 | Brass parliamentary hinges 125x125x27x5 mm | ten | 2600.52 | 2600.00 | 1.175 | 2212.77 | 1.0936 | 2419.88 | * |
| 0387 | Brass parliamentary hinges 100x125x27x5 mm | ten | 2392.48 | 2400.00 | 1.175 | 2042.55 | 1.0936 | 2233.74 | * |
| 0388 | Brass parliamentary hinges 75x100x20x3.2 mm | ten | 1820.36 | 2100.00 | 1.175 | 1787.23 | 1.0936 | 1954.52 | * |
| 0389 | Brass single acting spring hinges 150 mm | each | 322.46 | 460.00 | 1.175 | 391.49 | 1.0936 | 428.13 | * |
| 0390 | Brass single acting spring hinges 125 mm | each | 280.85 | 298.00 | 1.175 | 253.62 | 1.0936 | 277.36 | * |
| 0391 | Brass single acting spring hinges 100 mm | each | 176.83 | 260.00 | 1.175 | 221.28 | 1.0936 | 241.99 | * |
| 0392 | Brass double acting Spring Hinges 150mm | each | 520.10 | 498.00 | 1.175 | 423.83 | 1.0936 | 463.50 | * |
| 0393 | Brass double acting Spring Hinges 125mm | each | 384.88 | 410.00 | 1.175 | 348.94 | 1.0936 | 381.60 | * |
| 0394 | Brass double acting Spring Hinges 1 OOmm | each | 332.87 | 370.00 | 1.175 | 314.89 | 1.0936 | 344.37 | * |
| 0400 | Brass tower bolts (barrel type) 250x10 mm | each | 239.25 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 0401 | Brass tower bolts (barrel type) 200x10 mm | each | 187.24 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 0402 | Brass tower bolts (barrel type) 150x10 mm | each | 150.83 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 0403 | Brass tower bolts (barrel type) 100x10 mm | each | 98.82 | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | * |
| 0404 | Brass flush bolts 250 mm | each | 156.03 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 0405 | Brass flush bolts 150 mm | each | 135.22 | 130.00 | 1.175 | 110.64 | 1.0936 | 120.99 | * |
| 0406 | Brass flush bolts 100 mm | each | 93.62 | 90.00 | 1.175 | 76.60 | 1.0936 | 83.77 | * |
| 0408 | Brass handles 125mm with plate 175x32 mm | each | 145.63 | 140.00 | 1.175 | 119.15 | 1.0936 | 130.30 | * |
| 0409 | Brass handles 100mm with plate 150x32 mm | each | 135.22 | 130.00 | 1.175 | 110.64 | 1.0936 | 120.99 | * |
| 0410 | Brass handles 75mm with plate 125x32 mm | each | 104.02 | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | * |
| 0411 | Brass door latch 300x16x5 mm (0.380 Kg) | each | 171.64 | 180.00 | 1.175 | 153.19 | 1.0936 | 167.53 | * |
| 0412 | Brass door latch 250x16x5 mm (0.350 Kg) | each | 166.64 | 170.00 | 1.175 | 144.68 | 1.0936 | 158.22 | * |
| 0413 | Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles | each | 384.88 | 390.00 | 1.175 | 331.91 | 1.0936 | 362.98 | * |
| 0414 | Brass mortice latch 100x65 mm with a pair of brass level handles | each | 332.87 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |
| 0417 | Brass 150mm floor door stopper (0.357 Kg) | each | 176.83 | 170.00 | 1.175 | 144.68 | 1.0936 | 158.22 | * |
| 0418 | Brass hard drwn hooks and eyes 00mm | 10 nos | 780.15 | 650.00 | 1.175 | 553.19 | 1.0936 | 604.97 | * |
| 0419 | Brass hard drawn hooks and eyes 250 mm | ten | 728.15 | 635.00 | 1.175 | 540.43 | 1.0936 | 591.01 | * |
| 0420 | Brass hard drawn hooks and eyes 200 mm | ten | 670.94 | 590.00 | 1.175 | 502.13 | 1.0936 | 549.13 | * |
| 0421 | Brass hard drawn hooks and eyes 150 mm | ten | 644.93 | 450.00 | 1.175 | 382.98 | 1.0936 | 418.83 | * |
| 0422 | Brass hard drawn hooks and eyes 100 mm | ten | 546.11 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 0423 | Brass casement window fastener | each | 52.01 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 0424 | Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg | each | 140.43 | 135.00 | 1.175 | 114.89 | 1.0936 | 125.65 | * |
| 0425 | Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg | each | 114.42 | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | * |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 0426 | Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg | each | 104.02 | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | " |
| 0427 | Brass quadrant stays 300 mm | each | 130.03 | 125.00 | 1.175 | 106.38 | 1.0936 | 116.34 | " |
| 0428 | Brass fanlight catch | each | 182.04 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | " |
| 0429 | Brass fanlight pivot | ten | 202.84 | 195.00 | 1.175 | 165.96 | 1.0936 | 181.49 | " |
| 0430 | Brass chain with hook for fan light catch | each | 41.61 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | " |
| 0431 | Brass hasps and Staples (Safety type) 150 mm | ten | 806.16 | 780.00 | 1.175 | 663.83 | 1.0936 | 725.96 | " |
| 0432 | Brass hasps and staples (safety type) 115 mm | ten | 676.14 | 650.00 | 1.175 | 553.19 | 1.0936 | 604.97 | " |
| 0433 | Brass hasps and Staples (Safety type) 90 mm | ten | 582.51 | 560.00 | 1.175 | 476.60 | 1.0936 | 521.21 | " |
| 0438 | Brass Night latch | each | 514.91 | 595.00 | 1.175 | 506.38 | 1.0936 | 553.78 | " |
| 0442 | Brass helical Spring 150 mm | each | 322.46 | 310.00 | 1.175 | 263.83 | 1.0936 | 288.52 | " |
| 0443 | Brass curtain rod 12 mm dia 1.25 mm thick | metre | 87.37 | | 1.175 | 74.36 | 1.0936 | 81.32 | **** |
| 0444 | Brass curtain rod 20 mm dia 1.25 mm thick | metre | 119.62 | 120.00 | 1.175 | 102.13 | 1.0936 | 111.69 | " |
| 0445 | Brass curtain rod 25 mm dia 1.25 mm thick | metre | 140.43 | 140.00 | 1.175 | 119.15 | 1.0936 | 130.30 | " |
| 0446 | Brass brackets (curtain rods) 20 mm | each | 43.69 | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | " |
| 0447 | Brass cupboard knob or ward robe knob 50 mm | each | 36.41 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | " |
| 0449 | Brass screws 50 mm | cent | 218.44 | 220.00 | 1.175 | 187.23 | 1.0936 | 204.76 | " |
| 0450 | Brass screws 40 mm | cent | 176.83 | 170.00 | 1.175 | 144.68 | 1.0936 | 158.22 | " |
| 0451 | Brass screws 30 mm | cent | 140.43 | 140.00 | 1.175 | 119.15 | 1.0936 | 130.30 | " |
| 0452 | Bras screws 25 mm | cent | 98.82 | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | " |
| 0453 | Brass screws 20 mm | cent | 93.62 | 95.00 | 1.175 | 80.85 | 1.0936 | 88.42 | " |
| 0524 | Chromium plated Brass butt hinges (heavy) type 75x65x4.0 mm weighing not less than 200gms | 10Nos. | 1040.21 | 1000.00 | 1.175 | 851.06 | 1.0936 | 930.72 | " |
| 0525 | Chromium plated Brass butt hinges (light / ordinary) type 125x70x4.0 mm | 10 Nos. | 884.17 | 900.00 | 1.175 | 765.96 | 1.0936 | 837.65 | " |
| 0526 | Chromium plated Brass butt hinges (light / ordinary) type 100x70x4.0 mm | 10Nos. | 728.15 | 750.00 | 1.175 | 638.30 | 1.0936 | 698.04 | " |
| 0527 | Chromium plated Brass butt hinges (light / ordinary) type 75x40x2.5 mm | 10 Nos. | 478.49 | 460.00 | 1.175 | 391.49 | 1.0936 | 428.13 | " |
| 0528 | Chromium plated Brass butt hinges (light / ordinary) type 50x40x2.5 mm | 10 Nos. | 208.04 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | " |
| 0552 | 75mm SS fancy handles for kitchen cabinet | 10 Nos. | 182.04 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | " |
| 0553 | 100mm SS fancy handles for kitchen cabinet | 10 Nos | 156.03 | 500.00 | 1.175 | 425.53 | 1.0936 | 465.36 | " |
| 0554 | 125mm SS fancy handles for kitchen cabinet | 10 Nos | 135.22 | 700.00 | 1.175 | 595.74 | 1.0936 | 651.51 | " |
| 0555 | Chromium plated Brass handles 125mm with plate 175x32mm | each | 182.04 | 175.00 | 1.175 | 148.94 | 1.0936 | 162.88 | " |
| 0556 | Chromium plated Brass handles 100mm with plate 150x32mm | each | 156.03 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | " |
| 0557 | Chromium plated Brass handles 75mm with plate 125x32mm | each | 135.22 | 130.00 | 1.175 | 110.64 | 1.0936 | 120.99 | " |
| 0558 | Chromium plated Brass mortice latch and lock 100mm x 65mm with 6 levers and apair of brass lever and a pair or brass handles | each | 561.71 | 495.00 | 1.175 | 421.28 | 1.0936 | 460.71 | " |
| 0568 | Chromium plated Brass casement window fastner | each | 98.82 | 95.00 | 1.175 | 80.85 | 1.0936 | 88.42 | " |
| 0569 | Chromium plated Brass casement stays (straight peg type) 300mm weighing not less than 0.33 Kg. | each | 156.03 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | " |
| 0570 | Chromium plated Brass casement stays (straight peg type) 250mm weighing not less than 0.28 Kg. | each | 135.22 | 130.00 | 1.175 | 110.64 | 1.0936 | 120.99 | " |
| 0571 | Chromium plated Brass casement stays (straight peg type) 200mm weighing not less than 0.24 Kg | each | 119.62 | 115.00 | 1.175 | 97.87 | 1.0936 | 107.03 | " |
| 0583 | Chromium plated Brass Night latch | each | 551.31 | 540.00 | 1.175 | 459.57 | 1.0936 | 502.59 | " |
| 0584 | Chromium plated Brass Wardrobe Knob 50 mm | each | 49.93 | 85.00 | 1.175 | 72.34 | 1.0936 | 79.11 | " |
| 0585 | Chromium plated Brass screws 50mm | 100 Nos | 249.65 | 340.00 | 1.175 | 289.36 | 1.0936 | 316.45 | " |
| 0586 | Chromium plated Brass screws 40mm | 100 Nos | 208.04 | 310.00 | 1.175 | 263.83 | 1.0936 | 288.52 | " |
| 0587 | Chromium plated Brass screws 30mm | 100 Nos | 151.23 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | " |
| 0588 | Chromium plated Brass screws 25mm | 100 Nos | 124.83 | 190.00 | 1.175 | 161.70 | 1.0936 | 176.84 | " |
| 0589 | Chromium plated Brass screws 20mm | 100 Nos | 104.02 | 170.00 | 1.175 | 144.68 | 1.0936 | 158.22 | " |

| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due Increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 0590 | Chromium plated brass curtain rod 12 mm dia 1.25 mm thick | meter | 197.64 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 0591 | Chromium plated brass curtain rod 20 mm dia 1.25 mm thick | meter | 270.46 | 275.00 | 1.175 | 234.04 | 1.0936 | 255.95 | * |
| 0592 | Chromium plated brass curtain rod 25 mm dia 1.25 mm thick | meter | 364.07 | 365.00 | 1.175 | 310.64 | 1.0936 | 339.71 | * |
| 0593 | C.P. Brass Extension Nipple (1/2"x2" size) | each | | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | |
| 0594 | Brigh finish or black enameled mild steel butt hinges 125x65x2.12mm | 10 Nos | 145.63 | 140.00 | 1.175 | 119.15 | 1.0936 | 130.30 | * |
| 0595 | Brigh finish or black enameled mild steel butt hinges 100x58x1.90mm | 10 Nos | 88.42 | 85.00 | 1.175 | 72.34 | 1.0936 | 79.11 | * |
| 0596 | Brigh finish or black enameled mild steel butt hinges 75x47x1.70 mm | 10 Nos | 62.41 | 60.00 | 1.175 | 51.06 | 1.0936 | 55.84 | * |
| 0597 | Brigh finish or black enameled mild steel butt hinges 50x37x1.50 mm | 10 Nos | 52.01 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 0598 | 150x125x27x2.80 mm parliamentary hinges | 10 Nos | 384.85 | | 1.175 | 327.53 | 1.0936 | 358.19 | **** |
| 0599 | 125x125x27x2.80 mm parliamentary hinges | 10 Nos | 346.37 | | 1.175 | 294.78 | 1.0936 | 322.37 | **** |
| 0600 | 100x125x27x2.80 mm parliamentary hinges | 10 Nos | 230.91 | | 1.175 | 196.52 | 1.0936 | 214.91 | **** |
| 0601 | 75x100x20x2.24 mm parliamentary hinges | 10 Nos | 183.54 | | 1.175 | 156.20 | 1.0936 | 170.82 | **** |
| 0602 | 150 mm single acting spring hinges | each | 111.01 | | 1.175 | 94.48 | 1.0936 | 103.32 | **** |
| 0603 | 125 mm single acting spring hinges | each | 96.22 | | 1.175 | 81.89 | 1.0936 | 89.55 | **** |
| 0604 | 100 mm single acting spring hinges | each | 76.98 | | 1.175 | 65.51 | 1.0936 | 71.65 | **** |
| 0605 | 150 mm double acting spring hinges | each | 134.70 | | 1.175 | 114.64 | 1.0936 | 125.37 | **** |
| 0606 | 125 mm double acting spring hinges | each | 109.54 | | 1.175 | 93.23 | 1.0936 | 101.95 | **** |
| 0607 | 100 mm double acting spring hinges | each | 69.55 | | 1.175 | 59.19 | 1.0936 | 64.73 | **** |
| 0608 | Nickel plated mild steel piano hinges 1 mm thick 25 mm wide | metre | 41.61 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | * |
| 0614 | 300x20x6 mm door latch | each | 38.49 | | 1.175 | 32.76 | 1.0936 | 35.82 | **** |
| 0615 | 250x20x6 mm door latch | each | 31.09 | | 1.175 | 26.46 | 1.0936 | 28.94 | **** |
| 0620 | 125 mm handles | each | 7.40 | | 1.175 | 6.30 | 1.0936 | 6.89 | **** |
| 0621 | 100 mm handles | each | 5.92 | | 1.175 | 5.04 | 1.0936 | 5.51 | **** |
| 0622 | 75 mm handles | each | 4.44 | | 1.175 | 3.78 | 1.0936 | 4.13 | **** |
| 0632 | 115 mm hasper & stopler ( safety type ) | 10 Nos | 87.34 | | 1.175 | 74.33 | 1.0936 | 81.29 | **** |
| 0633 | 90 mm hasper & stopler ( safety type ) | 10 Nos | 68.09 | | 1.175 | 57.95 | 1.0936 | 63.37 | **** |
| 0635 | Brigh finish or black enameled mild steel screws 50 mm | 100 Nos | 67.62 | 77.00 | 1.175 | 65.53 | 1.0936 | 71.67 | * |
| 0636 | Oxidiged mild steel 45 mm screw | 100 Nos | 48.84 | | 1.175 | 41.57 | 1.0936 | 45.46 | **** |
| 0637 | Bright finish or black enameled mild steel screws 40 mm | 100 Nos | 52.01 | 63.00 | 1.175 | 53.62 | 1.0936 | 58.64 | * |
| 0638 | Bright finish or black enameled mild steel screws 30 mm | 100 Nos | 41.61 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 0639 | Bright finish or black enameled mild steel screws 25 mm | 100 Nos | 36.41 | 37.00 | 1.175 | 31.49 | 1.0936 | 34.44 | * |
| 0640 | Bright finish or black enameled mild steel screws 20 mm | 100 Nos | 31.20 | 32.00 | 1.175 | 27.23 | 1.0936 | 29.78 | * |
| 0641 | Bright finished or black enameled mild steel bolts and nuts 50 X 6mm | each | 7.28 | 5.00 | 1.175 | 4.26 | 1.0936 | 4.65 | * |
| 0642 | Oxidised mild steel butt hinges 125x65x2.12mm | 10 Nos | 145.63 | 140.00 | 1.175 | 119.15 | 1.0936 | 130.30 | * |
| 0643 | Oxidised mild steel butt hinges 100x58x1.90mm | 10 Nos | 93.62 | 90.00 | 1.175 | 76.60 | 1.0936 | 83.77 | * |
| 0644 | Oxidised mild steel butt hinges 75x47x1.70mm | 10 Nos | 67.62 | 65.00 | 1.175 | 55.32 | 1.0936 | 60.50 | * |
| 0645 | Oxidised steel mild butt hinges 50x37x1.50mm | 10 Nos | 57.21 | 55.00 | 1.175 | 46.81 | 1.0936 | 51.19 | * |
| 0646 | Oxidised steel mild parliamentary hinges 150x125x27x2.80 mm | 10 Nos | 353.68 | 340.00 | 1.175 | 289.36 | 1.0936 | 316.45 | * |
| 0647 | Oxidised steel mild parliamentary hinges 125x125x27x2.80 mm | 10 Nos | 327.67 | 315.00 | 1.175 | 268.09 | 1.0936 | 293.18 | * |
| 0648 | Oxidised steel mild parliamentary hinges 100x125x27x2.80 mm | 10 Nos | 244.45 | 235.00 | 1.175 | 200.00 | 1.0936 | 218.72 | * |
| 0649 | Oxidised steel mild parliamentary hinges 75x100x20x2.24 mm | 10 Nos | 208.04 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 0650 | Oxidised mild steel Single acting spring hinges 150mm | each | 119.62 | 140.00 | 1.175 | 119.15 | 1.0936 | 130.30 | * |

S_O.R-BC D(0.3) 9th Edition

| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due Increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 0651 | Oxidised mild steel Single acting spring hinges 125 mm | each | 114.42 | 120.00 | 1.175 | 102.13 | 1.0936 | 111.69 | * |
| 0652 | Oxidised mild steel Single acting spring hinges 100 mm | each | 93.62 | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | * |
| 0653 | Oxidised mild steel double acting spring hinges 150 mm | each | 119.62 | 160.00 | 1.175 | 136.17 | 1.0936 | 148.92 | * |
| 0654 | Oxidised mild steel double acting spring hinges 125 mm | each | 114.42 | 140.00 | 1.175 | 119.15 | 1.0936 | 130.30 | * |
| 0655 | Oxidised mild steel double acting spring hinges 100 mm | each | 93.62 | 120.00 | 1.175 | 102.13 | 1.0936 | 111.69 | * |
| 0656 | Nickel plated mild steel piano, hinges 1 mm thick 35mm wide | metre | 46.81 | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | * |
| 0660 | Oxidised mild steel sliding door bolts 300x16mm | each | 98.82 | 95.00 | 1.175 | 80.85 | 1.0936 | 88.42 | * |
| 0661 | Oxidised mild steel sliding door bolts 250x16mm | each | 93.62 | 85.00 | 1.175 | 72.34 | 1.0936 | 79.11 | * |
| 0662 | Oxidised mild steel door latch 300x20x6 mm | each | 49.93 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 0663 | Oxidised mild steel door latch 250x20x6 mm | each | 41.61 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | * |
| 0664 | Oxidised mild steel tower bolts (barrel type) 250x10 mm | each | 46.81 | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | * |
| 0665 | Oxidised mild steel tower bolts (barrel type) 200x10 mm | each | 41.61 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | * |
| 0666 | Oxidised mild steel tower bolts (barrel type) 150x10 mm | each | 31.20 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 0667 | Oxidised mild steel tower bolts (barrel type) 100x10 mm | each | 26.01 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 0668 | Oxidised mild steel handles 125 mm | each | 19.77 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 0669 | Oxidised mild steel handles 100 mm | each | 16.65 | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | * |
| 0670 | Oxidised mild steel handles 75 mm | each | 15.60 | 12.00 | 1.175 | 10.21 | 1.0936 | 11.17 | * |
| 0679 | Oxidised mild steel hasps and staples (safety type) 150 mm | 10 Nos | 130.03 | 130.00 | 1.175 * | 110.64 | 1.0936 | 120.99 | * |
| 0680 | Oxidised mild steel hasps and staples (safety type) 115 mm | 10 Nos | 104.02 | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | * |
| 0681 | Oxidised mild steel hasps and staples (safety type) 90 mm | 10 Nos | 78.01 | 80.00 | 1.175 | 68.09 | 1.0936 | 74.46 | * |
| 0682 | Oxidised mild steel screws 50 mm | 100 Nos | 78.01 | 77.00 | 1.175 | 65.53 | 1.0936 | 71.67 | * |
| 0683 | Oxidised mild steel screws 40 mm | 100 Nos | 62.41 | 63.00 | 1.175 | 53.62 | 1.0936 | 58.64 | * |
| 0684 | Oxidised mild steel screws 30 mm | 100 Nos | 57.21 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 0685 | Oxidised mild steel screws 25 mm | 100 Nos | 46.81 | 37.00 | 1.175 | 31.49 | 1.0936 | 34.44 | * |
| 0686 | Oxidised mild steel screws 20 mm | 100 Nos | 36.41 | 32.00 | 1.175 | 27.23 | 1.0936 | 29.78 | * |
| 0687 | Anodised Aluminium butt hinges 125x75x4 mm | 10 Nos | 592.92 | 570.00 | 1.175 | 485.11 | 1.0936 | 530.51 | * |
| 0688 | Anodised Aluminium butt hinges 125x63x4 mm | 10 Nos | 551.31 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 0689 | Anodised Aluminium butt hinges 100x75x4 mm | 10 Nos | 540.91 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 0690 | Anodised Aluminium butt hinges 100x63x3.2 mm | 10 Nos | 520.10 | 275.00 | 1.175 | 234.04 | 1.0936 | 255.95 | * |
| 0691 | Anodised Aluminium butt hinges 100x63x4 mm | 10 Nos | 530.51 | 330.00 | 1.175 | 280.85 | 1.0936 | 307.14 | * |
| 0692 | Anodised Aluminium butt hinges 75x63x4 mm | 10 Nos | 520.10 | 280.00 | 1.175 | 238.30 | 1.0936 | 260.60 | * |
| 0693 | Anodised Aluminium butt hinges 75x63x3.2 mm | 10 Nos | 488.90 | 230.00 | 1.175 | 195.74 | 1.0936 | 214.07 | * |
| 0694 | Anodised Aluminium butt hinges 75x45x3.2 mm | 10 Nos | 405.68 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 0695 | Anodised Aluminium butt hinges 50x35x3.2 mm | 10 Nos | 106.58 | | 1.175 | 90.71 | 1.0936 | 99.20 | **** |
| 0696 | Anodised Aluminium sliding door bolt 300x16 mm | each | 166.44 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 0697 | Anodised Aluminium sliding door bolt 250x16 mm | each | 135.22 | 130.00 | 1.175 | 110.64 | 1.0936 | 120.99 | * |
| 0698 | Anodised Aluminium tower bolt (barrel type)300x10 mm | 10 Nos | 780.15 | 590.00 | 1.175 | 502.13 | 1.0936 | 549.13 | * |
| 0699 | Anodised Aluminium tower bolt (barrel type)250x10 mm | 10 Nos | 624.12 | 490.00 | 1.175 | 417.02 | 1.0936 | 456.05 | * |
| 0700 | Anodised Aluminium tower bolt (barrel type)200x10 mm | 10 Nos | 499.30 | 390.00 | 1.175 | 331.91 | 1.0936 | 362.98 | * |
| 0701 | Anodised Aluminium tower bolt (barrel type) 150x10 mm | 10 Nos | 395.27 | 310.00 | 1.175 | 263.83 | 1.0936 | 288.52 | * |
| 0702 | Anodised Aluminium tower bolt (barrel type) 100x10 mm | ten | 312.07 | 230.00 | 1.175 | 195.74 | 1.0936 | 214.07 | * |
| 0703 | Anodised Aluminium handles 125 mm with plate 175x32 mm | ten | 520.10 | 330.00 | 1.175 | 280.85 | 1.0936 | 307.14 | * |
| 0704 | Anodised Aluminium handles 100 mm with plate 150x32 mm | ten | 395.27 | 280.00 | 1.175 | 238.30 | 1.0936 | 260.60 | * |
| 0705 | Anodised Aluminium handles 75 mm with plate 125x32 mm | ten | 332.87 | 235.00 | 1.175 | 200.00 | 1.0936 | 218.72 | * |

| nde No | Description | Unit | Preadm. Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 0706 | Anodised Aluminium kicking plate 50cm long 100x3.15 mm | each | 135.22 | 145.00 | 1.175 | 123.40 | 1.0936 | 134.95 | * |
| 0713 | Block Board Construction flush door with teak wood ply on both faces 35 mm thick | sqm | 1768.36 | 1800.00 | 1.175 | 1531.91 | 1.0936 | 1675.30 | * |
| 0714 | Block Board Construction flush door with teak wood ply on both faces 30 mm thick | sqm | 1612.32 | 1700.00 | 1.175 | 1446.81 | 1.0936 | 1582.23 | * |
| 0715 | Block Board Construction flush door with teak wood ply on both faces 25 mm thick | sqm | 1456.29 | 1500.00 | 1.175 | 1276.60 | 1.0936 | 1396.09 | * |
| 0717 | Block board construction flush door with Commercial ply on both faces 35 mm thick | sqm | 1196.24 | 1000.00 | 1.175 | 851.06 | 1.0936 | 930.72 | * |
| 0718 | Block board construction flush door with Commercial ply on both faces 30 mm thick | sqm | 1040.21 | 1000.00 | 1.175 | 851.06 | 1.0936 | 930.72 | * |
| 0719 | Block board construction flush door with Commercial ply on both faces 25 mm thick | sqm | 936.19 | 960.00 | 1.175 | 817.02 | 1.0936 | 893.49 | * |
| 0752 | Block board construction flush door lipping 25 mm thick | sqm of door area | 312.07 | 315.00 | 1.175 | 268.09 | 1.0936 | 293.18 | * |
| 0753 | Square vision Panel in Block board construction flush door | sqm of door area | 119.62 | 140.00 | 1.175 | 119.15 | 1.0936 | 130.30 | * |
| 0754 | Circular Vision Panel in block board construction flush door | sqm of door area | 187.24 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 0755 | Decorative type Louvers in Block board construction flush door | sqm of door area | 322.46 | 325.00 | 1.175 | 276.60 | 1.0936 | 302.49 | * |
| 0757 | Rebate cutting in Block board construction flush door | sqm of door area | 88.42 | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | * |
| 0759 | Decorative Plywood 4 mm | sqm | 436.58 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |
| 0761 | Fuel Wood | quintal | 520.10 | 500.00 | 1.175 | 425.53 | 1.0936 | 465.36 | * |
| 0763 | Glue | kilogram | 70.74 | 70.00 | 1.175 | 59.57 | 1.0936 | 65.15 | * |
| 0764 | Calcium silicate base compound for jointing calcium silicate tiles | kilogram | | 25.00 | 1.175 | 21.28 | 1.0936 | 23.27 | * |
| 0765 | Hessian cloth | sqm | 26.01 | 25.00 | 1.175 | 21.28 | 1.0936 | 23.27 | * |
| 0768 | Jali (cement concrete) 50mm thick | sqm | 218.44 | 235.00 | 1.175 | 200.00 | 1.0936 | 218.72 | * |
| 0769 | Jali (cement concrete) 40mm thick | sqm | 187.24 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 0770 | Jali (cement concrete) 25mm thick | sqm | 156.03 | 165.00 | 1.175 | 140.43 | 1.0936 | 153.57 | * |
| 0771 | Kerosene oil | litre | 46.81 | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | * |
| 0772 | White cement based polymer modified self curing compound in powder form | kg | | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | * |
| 0773 | Lime Unslaked lime | quintal | 312.07 | 270.00 | 1.175 | 229.79 | 1.0936 | 251.30 | * |
| 0775 | Lime Dehradun white lime | quintal | 499.30 | 550.00 | 1.175 | 468.09 | 1.0936 | 511.90 | * |
| 0776 | Lime Satna lime | quintal | 312.07 | 370.00 | 1.175 | 314.89 | 1.0936 | 344.37 | * |
| 0777 | Dry hydrated lime (factory made) | quintal | 239.25 | 280.00 | 1.175 | 238.30 | 1.0936 | 260.60 | * |
| 0784 | Marble dust / powder | cum | 1040.21 | 1000.00 | 1.175 | 851.06 | 1.0936 | 930.72 | * |
| 0785 | Marble chips upto 4mm and down size White & black | quintal | 208.04 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 0786 | Marble chips upto 4mm and down size Chocolate, grey or yellow | quintal | 170.23 | | 1.175 | 144.38 | 1.0936 | 158.44 | **** |
| 0787 | Marble chips upto 4mm and down size Baroda green | quintal | 170.23 | | 1.175 | 144.38 | 1.0936 | 158.44 | **** |
| 0788 | Marble chips Large size above 4mm, white & black | quintal | 208.04 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 0801 | Silicon and acrylic emulsion | litre | 208.04 | 130.00 | 1.175 | 110.64 | 1.0936 | 120.99 | * |
| 0802 | Acrylic distemper 1st quality , having VOC content less than 50gm/litre | Kg | 39.53 | 38.00 | 1.175 | 32.34 | 1.0936 | 35.37 | * |
| 0803 | Acrylic emulsion , having VOC content less than 50 gm/litre | litre | 260.05 | 180.00 | 1.175 | 153.19 | 1.0936 | 167.53 | * |
| 0804 | Premium acrylic emulsion of interior grade, having VOC content less than 50 gm/litre | litre | 364.07 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 0805 | Synthetic enamel paint , having VOC (Volatile Organic Compound) content less than 150 gm/litre | litre | 228.85 | 200.00 | 1.27 | 157.48 | 1.0936 | 172.22 | * |
| 806 | Ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 gms/litre | litre | 124.83 | 125.00 | 1.27 | 98.43 | 1.0936 | 107.64 | * |
| 807 | Ready mixed red oxide zinc chromatic on steel/ iron work, having VOC content less than 250 gms/litre | litre | 135.22 | 120.00 | 1.175 | 102.13 | 1.0936 | 111.69 | * |
| 808 | Water thinnable cement primer for interior wall surface, having VOC content less than 50 gms/litre | litre | 62.41 | 58.00 | 1.175 | 47.66 | 1.0936 | 52.12 | * |
| 809 | Exterior Primer | kg | 41.61 | 52.00 | 1.175 | 44.26 | 1.0936 | 48.40 | * |
| 810 | Moorum | cum | 130.28 | | | 77.21 | | 77.21 | ** |
| 811 | Mud (dry) | cum | 62.41 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 815 | Dry Distemper | kilogram | 37.45 | 30.00 | 1.27 | 23.62 | 1.0936 | 25.83 | * |

| Code No | Description | Unit | Present Approved rate | Rate as per DSR 2018 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 0816 | Oil bound washable distemper / Acrylic distemper | kilogram | 46.81 | 45.00 | 1.27 | 35.43 | 1.0936 | 38.75 | * |
| 0818 | Linseed oil (double boiled) | litre | 114.42 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 0820 | Cement primer | litre | 93.62 | 60.00 | 1.175 | 51.06 | 1.0936 | 55.84 | * |
| 0821 | Distemper primer | litre | 93.62 | 59.00 | 1.175 | 50.21 | 1.0936 | 54.91 | * |
| 0823 | Pink primer (for wood) – | litre | 93.62 | 85.00 | 1.175 | 72.34 | 1.0936 | 79.11 | * |
| 0824 | White cement based putty | kg | 24.98 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 0826 | Aluminium paint | litre | 135.22 | 130.00 | 1.27 | 102.36 | 1.0936 | 111.94 | * |
| 0827 | Acid proof paint (chocolate or black) | litre | 156.03 | 225.00 | 1.27 | 177.17 | 1.0936 | 193.75 | * |
| 0828 | Anti-corrosive bituminous paint (black) | litre | 93.62 | 100.00 | 1.27 | 78.74 | 1.0936 | 86.11 | * |
| 0829 | Black Japan | litre | 98.82 | 90.00 | 1.27 | 70.87 | 1.0936 | 77.50 | * |
| 0830 | Enamel paint | litre | 166.44 | 155.00 | 1.27 | 122.05 | 1.0936 | 133.47 | * |
| 0831 | Floor enamel paint in all shades except green | litre | 124.83 | 122.00 | 1.27 | 96.06 | 1.0936 | 105.05 | * |
| 0833 | Synthetic enamel paint black or chocolate shade | litre | 135.22 | 170.00 | 1.27 | 133.86 | 1.0936 | 146.39 | * |
| 0834 | Synthetic enamel paint in all shades except black or chocolate | litre | 145.63 | 150.00 | 1.27 | 118.11 | 1.0936 | 129.17 | * |
| 0835 | Plastic emulsion paint | litre | 187.24 | 200.00 | 1.27 | 157.48 | 1.0936 | 172.22 | * |
| 0845 | Roofing paint for iron sheets in red colour | litre | 124.83 | 120.00 | 1.27 | 94.49 | 1.0936 | 103.33 | * |
| 0850 | White lead | kilogram | 93.62 | 150.00 | 1.27 | 118.11 | 1.0936 | 129.17 | * |
| 0851 | Water proofing cement paint Snowcem Plus | kilogram | 46.81 | 38.00 | 1.27 | 29.92 | 1.0936 | 32.72 | * |
| 0855 | Wax polish (ready made) | kilogram | 208.04 | 250.00 | 1.05 | 238.10 | 1.0936 | 260.38 | * |
| 0856 | Ordinary varnish | litre | 78.01 | 90.00 | 1.27 | 70.87 | 1.0936 | 77.50 | * |
| 0857 | Superior copal varnish | litre | 130.03 | 130.00 | 1.27 | 102.36 | 1.0936 | 111.94 | * |
| 0858 | Superior spar varnish | litre | 130.03 | 130.00 | 1.27 | 102.36 | 1.0936 | 111.94 | * |
| 0859 | Oil type wood preservative | litre | 83.22 | 140.00 | 1.175 | 119.15 | 1.0936 | 130.30 | * |
| 0863 | Polish Putty for wood work | kilogram | 31.20 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 0865 | Pigments Pig lead | kilogram | 130.03 | 138.00 | 1.175 | 117.45 | 1.0936 | 128.44 | * |
| 0868 | Premixed super white gypsum plaster | kg | 7.28 | 5.00 | 1.175 | 4.26 | 1.0936 | 4.65 | * |
| 0869 | Plaster of Pans | kilogram | 4.16 | 4.00 | 1.175 | 3.40 | 1.0936 | 3.72 | * |
| 0870 | Pigments Plug | each | 10.40 | 10.00 | 1.175 | 8.51 | 1.0936 | 9.31 | * |
| 0873 | Copper pins 6 mm dia 7.5cm long | each | 10.40 | 10.00 | 1.175 | 8.51 | 1.0936 | 9.31 | * |
| 0874 | Pigments black colour dark shade | kilogram | 57.21 | 80.00 | 1.175 | 68.09 | 1.0936 | 74.46 | * |
| 0875 | Pigments Red chocolate orange buff or yellow (red oxide of iron ) light shade | kilogram | 78.01 | 80.00 | 1.175 | 68.09 | 1.0936 | 74.46 | * |
| 0876 | Pigments green or blue medium shade | kilogram | 67.62 | 80.00 | 1.175 | 68.09 | 1.0936 | 74.46 | * |
| 0886 | standard holdar bat clamps for sand cast iron or cast iron pipes 150mm dia | each | 26.01 | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | * |
| 0966 | sand cast iron plain shoe 150mm dia | each | 338.06 | 310.00 | 1.175 | 263.83 | 1.0936 | 288.52 | * |
| 0967 | pigments plate -copper | kilogram | 280.85 | 280.00 | 1.175 | 238.30 | 1.0936 | 260.60 | * |
| 0969 | Pulleys 25mm dia | each | 36.41 | 55.00 | 1.175 | 46.81 | 1.0936 | 51.19 | * |
| 0973 | Rolling shutters and its parts Rolling shutter made of 80X1.25mm machine rolled laths | sqm | 1300.26 | 1320.00 | 1.175 | 1123.40 | 1.0936 | 1228.55 | * |
| 0974 | Rolling shutters and its parts Top cover for rolling shutters | metre | 624.12 | 886.00 | 1.175 | 754.04 | 1.0936 | 824.62 | * |
| 0975 | Rolling shutters and its parts 27.5cm long wire spring grade No 2 for rolling Shutters | each | 291.26 | 350.00 | 1.175 | 297.87 | 1.0936 | 325.75 | * |
| 0976 | Rolling shutters and its parts ball bearing for rolling shutters | each | 343.27 | 280.00 | 1.175 | 238.30 | 1.0936 | 260.60 | * |
| 0977 | Extra for mechnical devices chain and cranked operation for operating rolling shutters Exceeding 10.00 sqm and upto 16.60 sqm area of door | sqm | 572.12 | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | * |
| 0978 | Extra for mechnical devices chain and cranked operation for operating rolling shutters Exceeding 16.60 sqm area of door | sqm | 603.32 | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | * |
| 0979 | Royalty for good earth | cum | 31.20 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 0980 | Royalty for sludge | cum | 93.62 | 90.00 | 1.175 | 76.60 | 1.0936 | 83.77 | * |
| 0982 | Sand Coarse sand Dongari equvalent to Kollwar/Sone sand | cum | 286.70 | | | 110.69 | | 110.69 | ** |
| 982A | Sand Coarse sand quarry at Kollwar/Sone | | 146.67 | | | 110.69 | | 110.69 | ** |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 0983 | Fine sand (zone IV) | cum | 124.54 | | | 67.66 | | 67.66 | ** |
| 0992 | Galvanised steel plain sheets | quintal | 5409.08 | 5600.00 | 1.175 | 4765.96 | 1.0936 | 5212.05 | * |
| 0994 | Standard quality hard board sheet 3mm thick | sqm | 130.03 | 144.00 | 1.175 | 122.55 | 1.0936 | 134.02 | * |
| 0996 | Sheets standard quality had board sheet 4.5mm thick | sqm | 156.03 | 156.03 | 1.175 | 132.79 | 1.0936 | 145.21 | * |
| 0999 | Polish shellac | kilogram | 218.44 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |
| 1000 | Oil/Fuel spirit | litre | 72.81 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 1003 | Mild steel round bar above 12mm dia | quintal | 3239.25 | | | 4545.00 | | 4545.00 | ** |
| 1001 | Spun yarn | kilogram | 41.61 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 1002 | Mild steel round bar 12mm dia and below | quintal | 3239.25 | | | 4545.00 | | 4545.00 | ** |
| 1004 | Mild steel wire rod | quintal | 3223.50 | | | 4545.00 | | 4545.00 | ** |
| 004A | 5.5mm | quintal | 3239.25 | | | 4545.00 | | 4545.00 | ** |
| 004B | 6.0mm | quintal | 3223.50 | | | 4532.00 | | 4532.00 | ** |
| 004C | 6.5mm | quintal | 3207.75 | | | 4518.00 | | 4518.00 | ** |
| 004D | 7.0mm | quintal | 3192.00 | | | 4505.00 | | 4505.00 | ** |
| 004E | 8.00mm | quintal | 3176.25 | | | 4492.00 | | 4492.00 | ** |
| 004F | 10.0mm | quintal | 3239.25 | | | 4545.00 | | 4545.00 | ** |
| 004G | 12.0/12.7mm | quintal | 3239.25 | | | 4545.00 | | 4545.00 | ** |
| 1005 | Steel T.M.T. Bars Fe 500 | quintal | 3512.25 | | | | | | ** |
| 005A | TMTC-500-8mm | quintal | 3669.75 | | | 4593.20 | | 4593.20 | ** |
| 005B | TMTC-500-10mm | quintal | 3564.75 | | | 4542.40 | | 4542.40 | ** |
| 005C | TMTC-500-12mm | quintal | 3512.25 | | | 4491.50 | | 4491.50 | ** |
| 005D | TMT FE-500-16mm | quintal | 3512.25 | | | 4491.50 | | 4491.50 | ** |
| 005E | TMT FE-500-20mm | quintal | 3512.25 | | | 4491.50 | | 4491.50 | ** |
| 005F | TMT FE-500-25mm | quintal | 3512.25 | | | 4491.50 | | 4491.50 | ** |
| 005G | TMT FE-500-28mm | quintal | 3512.25 | | | 4491.50 | | 4491.50 | ** |
| 005H | TMT FE-500-32mm | quintal | 3512.25 | | | 4491.50 | | 4491.50 | ** |
| 005 I | TMT FE-500-36mm | quintal | 3512.25 | | | 4491.50 | | 4491.50 | ** |
| 1006 | Mild steel square bars | quintal | 3935.64 | 3675.00 | 1.175 | 3127.66 | 1.0936 | 3420.41 | * |
| )07 A | STEEL JOIST | quintal | 4193.77 | | 1.175 | 3569.17 | 1.0936 | 3903.24 | * |
| a | 200X100 | quintal | 4193.77 | | 1.175 | 3569.17 | 1.0936 | 3903.24 | * |
| b | 225X110 | quintal | 4193.77 | | 1.175 | 3569.17 | 1.0936 | 3903.24 | * |
| c | 250X125 | quintal | 4258.00 | | 1.175 | 3623.83 | 1.0936 | 3963.02 | * |
| d | 300X140 | quintal | 4258.00 | | 1.175 | 3623.83 | 1.0936 | 3963.02 | * |
| e | 350X140 | quintal | 4388.89 | | 1.175 | 3735.23 | 1.0936 | 4084.84 | * |
| f | 400X140 | quintal | 4517.21 | | 1.175 | 3844.43 | 1.0936 | 4204.27 | * |
| g | 450X150 | quintal | 4635.41 | | 1.175 | 3945.03 | 1.0936 | 4314.28 | * |
| h | 500X180 | quintal | 4753.62 | | 1.175 | 4045.63 | 1.0936 | 4424.31 | * |
| i | 600X210 | quintal | 5108.47 | | 1.175 | 4347.69 | 1.0936 | 4754.57 | * |
| )07B | STEEL CHANNEL | quintal | 3743.25 | | | 4326.00 | | 4326.00 | ** |
| a | 75X40 | quintal | 3743.25 | | | 4326.00 | | 4326.00 | ** |
| b | 100X50 | quintal | 3743.25 | | | 4326.00 | | 4326.00 | ** |
| c | 125X65 | quintal | 3743.25 | | | 4326.00 | | 4326.00 | ** |
| d | 150X75 | quintal | 3743.25 | | | 4326.00 | | 4326.00 | ** |
| e | 175X75 | quintal | 3743.25 | | | 4326.00 | | 4326.00 | ** |
| f | 200X75 | quintal | 3743.25 | | | 4353.00 | | 4353.00 | ** |
| g | 250X82 | quintal | 3743.25 | | | 4353.00 | | 4353.00 | ** |
| h | 300X90 | quintal | 3743.25 | | | 4353.00 | | 4353.00 | ** |
| i | 400X100 | quintal | 3743.25 | | | 4353.00 | | 4353.00 | ** |
| 07C | STEEL ANGLES | quintal | 3711.75 | | | | | | ** |
| a | 50x50x6 | quintal | 3711.75 | | | 4155.00 | | 4155.00 | ** |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| b | 60X60X6 | quintal | 3711.75 | | | 4155.00 | | 4155.00 | ** |
| c | 65X65X6 | quintal | 3711.75 | | | 4155.00 | | 4155.00 | ** |
| d | 75X75X6 | quintal | 3711.75 | | | 4155.00 | | 4155.00 | ** |
| e | 80X80X8/10/12 | quintal | 3711.75 | | | 4155.00 | | 4155.00 | ** |
| f | 90X90X6 | quintal | 3711.75 | | | 4155.00 | | 4155.00 | ** |
| g | 100X100X8/10/12 | quintal | 3711.75 | | | 4155.00 | | 4155.00 | ** |
| h | 110X110X8/10/12 | quintal | 3711.75 | | | 4155.00 | | 4155.00 | ** |
| i | 130X130X10/12 | quintal | 3711.75 | | | 4155.00 | | 4155.00 | ** |
| j | 150X150X12/16/20 | quintal | 3711.75 | | | 4155.00 | | 4155.00 | ** |
| k | 200X200X16/18/26 | quintal | 3711.75 | | | 4155.00 | | 4155.00 | ** |
| 1008 | Flats upto 10mm in thickness | quintal | 4368.87 | 3675.00 | 1.175 | 3127.66 | 1.0936 | 3420.41 | * |
| 1009 | Flats exceeding 10mm in thickness | quintal | 4680.94 | 3775.00 | 1.175 | 3212.77 | 1.0936 | 3513.48 | * |
| 1010 | Mild steel plates | quintal | 4888.98 | 3900.00 | 1.175 | 3319.15 | 1.0936 | 3629.82 | * |
| 1011 | Steel glazed door,window/ ventilator, all members viz. F7D, F4B,K11 and K12B etc. | kg | 49.93 | 48.00 | 1.175 | 40.85 | 1.0936 | 44.67 | * |
| 1013 | Mild steel sheets for tanks | quintal | 5097.02 | 3775.00 | 1.175 | 3212.77 | 1.0936 | 3513.48 | * |
| 1015 | Mild steel expanded metal 20x60 mm strands | sqm | 301.66 | 280.00 | 1.175 | 238.30 | 1.0936 | 260.60 | * |
| 1019 | Mild steel hooks | each | 36.41 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 1020 | Mild steel rivets | quintal | 5201.04 | 4500.00 | 1.175 | 3829.79 | 1.0936 | 4188.26 | * |
| 1021 | Hard drawn steel wire fabric | sqm | 447.29 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 1022 | Galvanised steel bolts and nuts 6mm dia. And 25mm long round head with slots | ten | 26.01 | 38.00 | 1.175 | 32.34 | 1.0936 | 35.37 | * |
| 1023 | Galvanised steel J or L hooks 8mm dia. | Ten | 114.42 | 115.00 | 1.175 | 97.87 | 1.0936 | 107.03 | * |
| 1024 | Galvanised steel bolts and nuts 10mm dia. and 125mm long | each | 12.48 | 11.00 | 1.175 | 9.36 | 1.0936 | 10.24 | * |
| 1025 | Mild steel bolts 6mm dia and 25mm long with hexagonal head | ten | 31.20 | 27.00 | 1.175 | 22.98 | 1.0936 | 25.13 | * |
| 1028 | Straining bolts | each | 72.81 | 65.00 | 1.175 | 55.32 | 1.0936 | 60.50 | * |
| 1029 | Galvanised steeL barbed wire | quintal | 5409.06 | 4800.00 | 1.175 | 4085.11 | 1.0936 | 4467.47 | * |
| 1030 | Galvanised steel turn buckles | each | 17.68 | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | * |
| 1031 | Galvanised steel bolts & nut 10mm dia 27cm long both sides threaded with 4 galvanised steel nuts | each | 26.01 | 22.00 | 1.175 | 18.72 | 1.0936 | 20.48 | * |
| 1032 | Galvanised steel bolts 10mm dia 7cm long with nuts | each | 26.00 | 18.00 | 1.175 | 15.32 | 1.0936 | 16.75 | * |
| 1034 | Bolts and nuts upto 300mm in length | quintal | 5825.16 | 5100.00 | 1.175 | 4340.43 | 1.0936 | 4746.69 | * |
| 1035 | Bolts and nuts above 300mm in length | quintal | 5825.16 | 5250.00 | 1.175 | 4468.09 | 1.0936 | 4886.30 | * |
| 1036 | Iron Pintels including welded pin | each | 41.61 | 37.00 | 1.175 | 31.49 | 1.0936 | 34.44 | * |
| 1143 | Steel Beading | metre | 26.01 | 27.00 | 1.175 | 22.98 | 1.0936 | 25.13 | * |
| 145 | Aluminium Plain Strip edging 38x12x3 mm | metre | 104.02 | 90.00 | 1.175 | 76.60 | 1.0936 | 83.77 | * |
| 149 | Glass strips 4mm thick 40mm deep | metre | 9.36 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 151 | Boundry stone top chisel dressed 15x15x90cm | each | 62.41 | 70.00 | 1.175 | 59.57 | 1.0936 | 65.15 | * |
| 154 | Through and bond stone | 100 nos | 1248.25 | 1260.00 | 1.175 | 1072.34 | 1.0936 | 1172.71 | * |
| 157 | Stone for masonry work | cum | 728.15 | 865.00 | 1.175 | 736.17 | 1.0936 | 805.08 | * |
| 158 | Stone for pitching 15cm x 22.5cm | cum | 468.09 | 636.00 | 1.175 | 541.28 | 1.0936 | 591.94 | * |
| 159 | Stone dust | cum | 104.67 | 89.38 | | 89.38 | | 89.38 | ** |
| 160 | Red sand stone block | 10 cudm | 67.62 | 65.00 | 1.175 | 55.32 | 1.0936 | 60.50 | * |
| 161 | White sand stone block | 10 cudm | 72.81 | 70.00 | 1.175 | 59.57 | 1.0936 | 65.15 | * |
| 163 | White sand stone slab 75mm thick (un-dressed) | sqm | 312.07 | 315.00 | 1.175 | 268.09 | 1.0936 | 293.18 | * |
| 164 | Red sand stone slab 40mm thick (undressed) | sqm | 166.44 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 165 | White sand stone slab 40mm thick (undressed) | sqm | 187.24 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 166 | Red sand stone slab 30mm thick (undressed) | sqm | 135.22 | 180.00 | 1.175 | 153.19 | 1.0936 | 167.53 | * |
| 168 | Kota stone slab 20mm to 25mm thick (semi-polished) | sqm | 301.66 | 280.00 | 1.175 | 238.30 | 1.0936 | 260.60 | * |
| 169 | Kota stone slab 25mm thick (rough chiselled) | sqm | 218.44 | 280.00 | 1.175 | 238.30 | 1.0936 | 260.60 | * |
| 174 | Red sand stone slab 45/50mm thick (un-polished) | sqm | 178.92 | 225.00 | 1.175 | 191.49 | 1.0936 | 209.41 | * |

| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in VAT from April 2018 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 1175 | White sand stone slab 45/50mm thick (undressed) | sqm | 234.04 | 225.00 | 1.175 | 191.49 | 1.0936 | 209.41 | * |
| 1177 | Stone grit 6 mm and down size or pia sized grand | cum | 962.19 | 795.00 | 1.175 | 676.60 | 1.0936 | 739.93 | * |
| 1179 | Crushed stone 2.36 mm to 12.5 mm size | cum | 988.20 | 900.00 | 1.175 | 765.96 | 1.0936 | 837.65 | * |
| 1182 | Surkhi | cum | 1941.45 | | | 1595.00 | | 1595.00 | ** |
| A | Uraban Patna | cum | 1941.45 | | | 1724.00 | | 1724.00 | ** |
| B | For Purnia,Bhagalpur,Saharasa,Munger,Darabhanga | cum | 1861.65 | | | 1653.00 | | 1653.00 | ** |
| C | For other places | cum | 1797.60 | | | 1595.00 | | 1595.00 | ** |
| D | For Patna Rural | cum | 1874.25 | | | 1665.00 | | 1665.00 | ** |
| 1186 | Superior class teak wood such as Dandeli, Balarshah or Malabar in planks | 10 cudm | 1144.22 | 1100.00 | 1.175 | 936.17 | 1.0936 | 1023.80 | * |
| 1187 | First class teak wood in scantling | 10 cudm | 832.17 | 880.00 | 1.175 | 748.94 | 1.0936 | 819.04 | * |
| 1188 | First class teak wood in planks | 10 cudm | 884.17 | 850.00 | 1.175 | 723.40 | 1.0936 | 791.11 | * |
| 1189 | Second class teak wood in scantling | 10 cudm | 686.54 | 660.00 | 1.175 | 561.70 | 1.0936 | 614.28 | * |
| 1190 | Second class teak wood in planks | 10 cudm | 754.15 | 675.00 | 1.175 | 574.47 | 1.0936 | 628.24 | * |
| 1194 | Second class deodar wood in planks | 10 cudm | 520.10 | 500.00 | 1.175 | 425.53 | 1.0936 | 465.36 | * |
| 1196 | First class kail wood in planks | 10 cudm | 322.46 | 310.00 | 1.175 | 263.83 | 1.0936 | 288.52 | * |
| 1197 | Second class kail wood in scantling | 10 cudm | 270.46 | 260.00 | 1.175 | 221.28 | 1.0936 | 241.99 | * |
| 1198 | Second clas's kail wood in planks | 10 cudm | 270.46 | 260.00 | 1.175 | 221.28 | 1.0936 | 241.99 | * |
| 1199 | Sal wood in scantling | 10 cudm | 540.91 | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | * |
| 1195 | Local wood in scantling | 10 cudm | 332.42 | | 1.175 | 282.91 | 1.0936 | 309.39 | **** |
| 1200 | Kiln seasoned selected sheesham wood planks | 10 cudm | 676.14 | 650.00 | 1.175 | 553.19 | 1.0936 | 604.97 | * |
| 1201 | Precast terrazo tiles 22 mm thick (light shade) | sqm | 270.46 | 285.00 | 1.175 | 242.55 | 1.0936 | 265.26 | * |
| 1202 | Precast terrazo tiles 22 mm thick (medium shade) | sqm | 249.65 | 265.00 | 1.175 | 225.53 | 1.0936 | 246.64 | * |
| 1203 | Precast terrazo tiles 22 mm thick (dark shade) | sqm | 228.85 | 245.00 | 1.175 | 208.51 | 1.0936 | 228.03 | * |
| 1204 | Precast heat resistant terrace tiles (size 300x300 mm) and 20 mm thick | sqm | 501.38 | 475.00 | 1.175 | 404.26 | 1.0936 | 442.09 | * |
| 1207 | Washers Cadmium coated G.I limpet washer | cent | 36.41 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | * |
| 1208 | Washers Bitumen washer | cent | 31.20 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 1209 | Washers G.I. plain washer thick | cent | 36.41 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | * |
| 1210 | Washers G.I. plain washer thin | cent | 33.29 | 32.00 | 1.175 | 27.23 | 1.0936 | 29.78 | * |
| 1211 | Washers G.I. plain washer for seam bolts | cent | 31.20 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 1213 | Water proofing compound 'Impermo' of Snowcem India Ltd. | kilogram | 33.29 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | * |
| 1214 | Welding By gas plant | cm | 2.08 | 2.00 | 1.175 | 1.70 | 1.0936 | 1.86 | * |
| 1215 | Welding By electric plant | cm | 1.87 | 2.00 | 1.175 | 1.70 | 1.0936 | 1.86 | * |
| 1216 | Whiting | quintal | 520.10 | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | * |
| 1219 | Wire nails | kilogram | 62.41 | 60.00 | 1.175 | 51.06 | 1.0936 | 55.84 | * |
| 1220 | Wire mesh (Rabbit) | sqm | 46.81 | 42.00 | 1.175 | 35.74 | 1.0936 | 39.09 | * |
| 1221 | 20 mm dia holding down bolts | quintal | 6033.21 | 5500.00 | 1.175 | 4680.85 | 1.0936 | 5118.98 | * |
| 1222 | Mild steel sheets with bolts and nuts to rest on lintels | each | 135.22 | 120.00 | 1.175 | 102.13 | 1.0936 | 111.69 | * |
| 1224 | Hard drawn steel wire | quintal | 5721.14 | 4600.00 | 1.175 | 3914.89 | 1.0936 | 4281.33 | * |
| 1225 | Mild steel flat strap fitting | quintal | 4628.92 | 4000.00 | 1.175 | 3404.26 | 1.0936 | 3722.89 | * |
| 1227 | Chequered terrazo tiles 22mm thick (light shade) | sqm | 338.06 | 275.00 | 1.175 | 234.04 | 1.0936 | 255.95 | * |
| 1228 | Chequered terrazo tiles 22mm thick (medium shade) | sqm | 296.46 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |
| 1229 | Chequered terrazo tiles 22mm thick (dark shade) | sqm | 260.05 | 260.00 | 1.175 | 221.28 | 1.0936 | 241.99 | * |
| 231 | Extra for selected planks of second class teak wood | 10 cudm | 145.63 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 234 | Aluminium plain strip edging 57x12x3 mm | metre | 140.43 | 135.00 | 1.175 | 114.89 | 1.0936 | 125.65 | * |
| 235 | Oil / Fuel Diesel oil | litre | 50.58 | 48.00 | 1.175 | 39.15 | 1.0936 | 42.81 | * |
| 237 | Cutting marble or sand stone slab upto 50mm thick by mechanical device | metre | 9.36 | 10.00 | 1.175 | 8.51 | 1.0936 | 9.31 | * |
| 238 | Extra for selected planks of first class teak wood | 10 cudm | 145.63 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 239 | 18 mm thick Flamed finish granite stone slab | sqm | 1763.15 | 1700.00 | 1.175 | 1446.81 | 1.0936 | 1582.23 | * |
| 240 | 18 mm thick Italian Marble stone slab,(slab area up to 0.5 sqm). | sqm | 3463.89 | 3200.00 | 1.175 | 2723.40 | 1.0936 | 2978.31 | * |

| Code No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due Increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 1241 | Oil / Fuel LPG (Commercial Cylinder) | kg | 72.81 | 65.00 | 1.175 | 55.32 | 1.0936 | 60.50 | * |
| 1242 | Glass mossaic tiles (20 mm x 20 mm x 4 mm ). | sqm | 1092.22 | 1076.00 | 1.175 | 915.74 | 1.0936 | 1001.46 | * |
| 1243 | Tile fixing chemical adhesive | kg | 35.37 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 1244 | Cement Polymer Grout Compound | kg | 35.37 | 25.00 | 1.175 | 21.28 | 1.0936 | 23.27 | * |
| 1245 | Acid for cleaning tiles | litre | 16.65 | 18.00 | 1.175 | 15.32 | 1.0936 | 16.75 | * |
| 1246 | Silicon based Joint Sealant for Tiles | kg | | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 1247 | Rubber base Adhesive | kg | | 160.00 | 1.175 | 136.17 | 1.0936 | 148.92 | * |
| 1248 | Epoxy based sealing Compound | kg | | 502.00 | 1.175 | 427.23 | 1.0936 | 467.22 | * |
| 1249 | Acrylic based sealing compound | kg | | 481.00 | 1.175 | 409.36 | 1.0936 | 447.68 | * |
| 1250 | Non woven reinforcement Tape | metre | | 0.14 | 1.175 | 0.12 | 1.0936 | 0.13 | * |
| 1301 | Bleaching powder | quintal | 1820.36 | 1750.00 | 1.175 | 1489.36 | 1.0936 | 1628.77 | * |
| 1304 | Surface box for stop cock | each | 130.03 | 125.00 | 1.175 | 106.38 | 1.0936 | 116.34 | * |
| 1305 | Surface box for sluice valve | each | 218.44 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 1307 | Surface box for water meter | each | 260.05 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 1309 | C.I. bracket for wash basin and sinks | pair | 72.81 | 65.00 | 1.175 | 55.32 | 1.0936 | 60.50 | * |
| 1313 | 8 mm dia C.P. Brass/ S.S. Jet with flexible tube upto 1 metre long with S.S. tringular plate for Eureopean type W.C. | each | | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 1314 | C.P. brass chain with 32 mm dia rubber plug | each | 41.61 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | * |
| 1315 | C.P. brass chain with 40 mm dia rubber plug | each | 41.61 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | * |
| 1330 | Clamps and M.S. stays including bolts and nuts for 100 mm pipe | each | 36.41 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 1331 | M.S. Holder bat clamp of approved design for 10 mm S.C.I.pipe | each | 20.80 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 1332 | M.S. Holder bat clamp of approved design for 75mm S.C.I pipe | each | 18.72 | 18.00 | 1.175 | 15.32 | 1.0936 | 16.75 | * |
| 1334 | Clamps and M.S. stays including bolts and nuts for 50 mm pipe | each | 29.13 | 28.00 | 1.175 | 23.83 | 1.0936 | 26.06 | * |
| 1335 | Clamps and M.S. stays including bolts and nuts for75 mm pipe | each | 31.20 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 1336 | Cleaning eye with chain and lid 100 mm dia | each | 45.77 | 44.00 | 1.175 | 37.45 | 1.0936 | 40.95 | * |
| 1337 | Cleaning eye with chain and lid150 mm dia | each | 52.01 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 1339 | Brass bib-cock 15 mm dia | each | 218.44 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 1340 | Brass bib-cock 20mm dia | each | 234.04 | 225.00 | 1.175 | 191.49 | 1.0936 | 209.41 | * |
| 1342 | Brass stop-cock 15 mm dia | each | 218.44 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 1343 | Brass stop-cock 20 mm dia | each | 291.26 | 225.00 | 1.175 | 191.49 | 1.0936 | 209.41 | * |
| 1350 | Mosquito proof coupling of approved design | each | 31.20 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 1352 | C.I. cover and frame 300x300 mm inside | each | 312.07 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |
| 1353 | C.I. cover without frame 300x300 mm inside i/c cover of 4.50kg | each | 234.04 | 225.00 | 1.175 | 191.49 | 1.0936 | 209.41 | * |
| 1354 | Rectangular cover 455x610 mm with frame (low duty) | each | 1560.31 | 1500.00 | 1.175 | 1276.60 | 1.0936 | 1396.09 | * |
| 1355 | Rectangular cover 455x610 mm without frame (low duty) | each | 1040.21 | 1000.00 | 1.175 | 851.06 | 1.0936 | 930.72 | * |
| 1356 | 500mm dia cover with frame (medium duty) | each | 4940.99 | 4750.00 | 1.175 | 4042.55 | 1.0936 | 4420.94 | * |
| 1357 | 500mm dia cover withought frame (medium duty) | each | 2392.48 | 2300.00 | 1.175 | 1957.45 | 1.0936 | 2140.68 | * |
| 1360 | C.I. mouth ,brass ferrule 15 mm dia | each | 145.63 | 140.00 | 1.175 | 119.15 | 1.0936 | 130.30 | * |
| 1361 | C.I. mouth ,brass ferrule 20 mm dia | each | 166.44 | 160.00 | 1.175 | 136.17 | 1.0936 | 148.92 | * |
| 1362 | C.I. mouth ,brass ferrule 20 mm dia | each | 228.85 | 220.00 | 1.175 | 187.23 | 1.0936 | 204.76 | * |
| 1363 | Vitreous china foot rests 250x130x30 mm | pair | 104.02 | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | * |
| 364 | C.I. grating 100x100 mm | each | 15.60 | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | * |
| 366 | C.I. grating 150x150 mm | each | 26.01 | 25.00 | 1.175 | 21.28 | 1.0936 | 23.27 | * |
| 367 | C.I. grating 180x180 mm | each | 31.20 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 369 | S.C.I. gully or nahani grating 100 mm dia | each | 18.72 | 18.00 | 1.175 | 15.32 | 1.0936 | 16.75 | * |
| 373 | Rubber insertions for 80 mm dia pipe joints | each | 15.60 | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | * |
| 374 | Rubber insertions for 100 mm dia pipe joints | each | 18.72 | 18.00 | 1.175 | 15.32 | 1.0936 | 16.75 | * |
| 375 | Rubber insertions for 125 mm dia pipe joints | each | 20.80 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 376 | Rubber insertions for 150 mm dia pipe joints | each | 20.80 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |

| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 1377 | Rubber insertions for 200 mm dia pipe joints | each | 26.01 | 25.00 | 1.175 | 21.28 | 1.0936 | 23.27 | " |
| 1378 | Rubber insertions for 250 mm dia pipe joints | each | 41.61 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | " |
| 1379 | Rubber insertions for 300 mm dia pipe joints | each | 46.81 | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | " |
| 1380 | Rubber insertions for 350 mm dia pipe joints | each | 52.01 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | " |
| 1381 | Rubber insertions for 400 mm dia pipe joints | each | 75.93 | 73.00 | 1.175 | 62.13 | 1.0936 | 67.94 | " |
| 1382 | Rubber insertions for 450 mm dia pipe joints | each | 95.70 | 92.00 | 1.175 | 78.30 | 1.0936 | 85.63 | " |
| 1383 | Rubber insertions for 500 mm dia pipe joints | each | 114.42 | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | " |
| 1384 | Rubber insertions for 600 mm dia pipe joints | each | 130.03 | 125.00 | 1.175 | 106.38 | 1.0936 | 116.34 | " |
| 1392 | Mirror of superior make glass 60x45 cm | each | 322.46 | 310.00 | 1.175 | 263.83 | 1.0936 | 288.52 | " |
| 1396 | Vitreous china pedestal for wash basin | each | 728.15 | 700.00 | 1.175 | 595.74 | 1.0936 | 651.51 | " |
| 1397 | Pig lead | kilogram | 93.62 | 138.00 | 1.175 | 117.45 | 1.0936 | 128.44 | " |
| 1464 | S & S.C.I.standard specials up to 300 mm dia (heavy class) | quintal | 3744.75 | 3600.00 | 1.175 | 3063.83 | 1.0936 | 3350.60 | " |
| 1466 | S & S.C.I.standard specials over 300 mm dia (heavy class) | quintal | 3848.77 | 3700.00 | 1.175 | 3148.94 | 1.0936 | 3443.68 | " |
| 1468 | Flanged C.I. standard specials up to 300 mm dia(heavy class) | quintal | 5721.14 | 5500.00 | 1.175 | 4680.85 | 1.0936 | 5118.98 | " |
| 1470 | Flanged C.I. standard specials over 300 mm dia(heavy class) | quintal | 6033.21 | 5500.00 | 1.175 | 4680.85 | 1.0936 | 5118.98 | " |
| 1472 | Casing pipe 100 mm dia | metre | 348.47 | 335.00 | 1.175 | 285.11 | 1.0936 | 311.79 | " |
| 1532 | Flush pipe with union spreaders and clamps all in C.P. brass for single stall | each | 280.85 | 270.00 | 1.175 | 229.79 | 1.0936 | 251.30 | " |
| 1533 | Flush pipe with union spreaders and clamps all in C.P. brass for double stall | each | 416.08 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | " |
| 1534 | Flush pipe with union spreaders and clamps all in C.P. brass for range of three stall | each | 540.91 | 520.00 | 1.175 | 442.55 | 1.0936 | 483.98 | " |
| 1535 | Flush pipe with union spreaders and clamps all in C.P. brass for range of four stall | each | 624.12 | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | " |
| 1540 | Flush pipe and spreaders G.I.for single set of one squatting plate urinal | each | 182.04 | 175.00 | 1.175 | 148.94 | 1.0936 | 162.88 | " |
| 1541 | Flush pipe and spreaders G.I.for range of two squatting plates urinal | each | 260.05 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | " |
| 1542 | Flush pipe and spreaders G.I.for range of three squatting plates urinal each | each | 312.07 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | " |
| 1543 | Flush pipe and spreaders G.I.for range of four squatting plates urinal | each | 405.68 | 390.00 | 1.175 | 331.91 | 1.0936 | 362.98 | " |
| 1545 | G.I. pipes 15 mm dia | metre | 88.42 | 77.00 | 1.175 | 65.53 | 1.0936 | 71.67 | " |
| 1546 | G.I. pipes 20 mm dia | metre | 114.42 | 99.00 | 1.175 | 84.26 | 1.0936 | 92.14 | " |
| 1547 | G.I. pipes 25 mm dia | metre | 156.03 | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | " |
| 1548 | G.I. pipes 32 mm dia | metre | 187.24 | 145.00 | 1.175 | 123.40 | 1.0936 | 134.95 | " |
| 1549 | G.I. pipes 40 mm dia | metre | 228.85 | 185.00 | 1.175 | 157.45 | 1.0936 | 172.18 | " |
| 1550 | G.I. pipes 50 mm dia | metre | 286.06 | 220.00 | 1.175 | 187.23 | 1.0936 | 204.76 | " |
| 551 | G.I. pipes 65 mm dia | metre | 379.67 | 295.00 | 1.175 | 251.06 | 1.0936 | 274.56 | " |
| 552 | G.I. pipes 80 mm dia | metre | 478.49 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | " |
| 555 | G.I. back (jam) nuts 25 mm dia | each | 10.40 | 8.00 | 1.175 | 6.81 | 1.0936 | 7.45 | " |
| 559 | G.I. back (jam) nuts 65 mm dia | each | 22.89 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | " |
| 608 | G.I. tees (equal) 25 mm | each | 46.81 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | " |
| 612 | G.I. tees (equal) 65 mm | each | 291.26 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | " |
| 614 | G.I. inlet connection | each | 67.62 | 60.00 | 1.175 | 51.06 | 1.0936 | 55.84 | " |
| 616 | S.C.I. soil, waste and vent single socketed pipe1.80 metres long: 75mm dia | each | 988.20 | 950.00 | 1.175 | 808.51 | 1.0936 | 884.19 | " |
| 617 | S.C.I. soil, waste and vent single socketed pipe1.80 metres long:100mm dia | each | 1196.24 | 1150.00 | 1.175 | 978.72 | 1.0936 | 1070.33 | " |
| 618 | S.C.I. soil, waste and vent single socketed pipe1.80 metres long: 150mm dia | each | 1820.36 | 1750.00 | 1.175 | 1489.36 | 1.0936 | 1628.77 | " |
| 620 | S.C.I. plain bend 75 mm dia | each | 176.83 | 170.00 | 1.175 | 144.68 | 1.0936 | 158.22 | " |
| 621 | S.C.I. plain bend 100 mm dia | each | 364.07 | 350.00 | 1.175 | 297.87 | 1.0936 | 325.75 | " |
| 622 | S.C.I. plain bend 150 mm dia | each | 624.12 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | " |
| 624 | S.C.I. bend with access door 75 mm dia | each | 208.04 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | " |

| ode no | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0)/109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 1625 | S.C.I. bend with access door 100 mm dia | each | 262.13 | 252.00 | 1.175 | 214.47 | 1.0936 | 234.54 | * |
| 1627 | S.C.I. plain single equal junctions 75x75x75 mm dia | each | 275.65 | 265.00 | 1.175 | 225.53 | 1.0936 | 246.64 | * |
| 1628 | S.C.I. plain single equal junctions 100x100x100 mm dia | each | 468.09 | 450.00 | 1.175 | 382.98 | 1.0936 | 418.83 | * |
| 1630 | S.C.I. single equal junctions75x75x75 mm dia with access door | each | 289.18 | 278.00 | 1.175 | 236.60 | 1.0936 | 258.74 | * |
| 1631 | S.C.I. single equal junctions 100x100x100 mm dia with access door | each | 391.12 | 376.00 | 1.175 | 320.00 | 1.0936 | 349.95 | * |
| 1633 | S.C.I. plain double equal junctions 75x75x75x75 mm dia | each | 359.92 | 346.00 | 1.175 | 294.47 | 1.0936 | 322.03 | * |
| 1634 | S.C.I. plain double equal junctions100x100x100x100 mm dia | each | 540.91 | 520.00 | 1.175 | 442.55 | 1.0936 | 483.98 | * |
| 1636 | S.C.I. double equal junctions75x75x75x75 mm dia with access door | each | 442.09 | 425.00 | 1.175 | 361.70 | 1.0936 | 395.56 | * |
| 1637 | S.C.I. double equal junctions 100x100x100x100 mm dia with access door | each | 572.12 | 550.00 | 1.175 | 468.09 | 1.0936 | 511.90 | * |
| 1639 | Slotted cowl (terminal guard) 75 mm dia | each | 157.07 | 151.00 | 1.175 | 128.51 | 1.0936 | 140.54 | * |
| 1640 | Slotted cowl (terminal guard) 100 mm dia | each | 197.64 | 190.00 | 1.175 | 161.70 | 1.0936 | 176.84 | * |
| 1641 | G.I. Union 15 mm nominal bore | each | 57.21 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 1642 | G.I. Union 20 mm nominal bore | each | 78.01 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 1643 | G.I. Union 25 mm nominal bore | each | 88.42 | 80.00 | 1.175 | 68.09 | 1.0936 | 74.46 | * |
| 1644 | G.I. Union 32 mm nominal bore | each | 124.83 | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | * |
| 1645 | G.I. Union 40 mm nominal bore | each | 192.43 | 160.00 | 1.175 | 136.17 | 1.0936 | 148.92 | * |
| 1646 | G.I. Union 50 mm nominal bore | each | 228.85 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 1647 | G.I. Union 65 mm nominal bore | each | 447.29 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 1648 | G.I. Union 80 mm nominal bore | each | 530.51 | 470.00 | 1.175 | 400.00 | 1.0936 | 437.44 | * |
| 1649 | Polyethylene water storage tank with cover and suitable locking arrangement | pair litre | 4.68 | 5.00 | 1.175 | 4.51 | 1.0936 | 4.93 | * |
| 1653 | Sand cast iron S&S plain single unequal junctions : 100x100x75 mm dia | each | 384.88 | 370.00 | 1.175 | 314.89 | 1.0936 | 344.37 | * |
| 1656 | Sand cast iron S&S single unequal junctions: 100x100x75 mm dia with access door | each | 416.08 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 1659 | Sand cast iron S&S plain double unequal junctions : 100x100x75x75 mm dia | each | 572.12 | 550.00 | 1.175 | 468.09 | 1.0936 | 511.90 | * |
| 1662 | Sand cast iron S&S double unequal junctions: 100x100x75x75 mm dia with access door | each | 572.12 | 550.00 | 1.175 | 468.09 | 1.0936 | 511.90 | * |
| 1666 | Sand cast iron heel rest bend 75 mm dia | each | 228.85 | 220.00 | 1.175 | 187.23 | 1.0936 | 204.76 | * |
| 667 | Sand cast iron heel rest bend 100 mm dia | each | 260.05 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 669 | S.C.I. single equal invert branch of required degree75x75x75 mm dia | each | 332.87 | 320.00 | 1.175 | 272.34 | 1.0936 | 297.83 | * |
| 670 | S.C.I. single equal invert branch of required degree 100x100x100 mm dia | each | 426.49 | 410.00 | 1.175 | 348.94 | 1.0936 | 381.60 | * |
| 672 | S.C.I. double equal invert branch of required degree 75x75x75x75 mm dia | each | 426.49 | 410.00 | 1.175 | 348.94 | 1.0936 | 381.60 | * |
| 673 | S.C.I. double equal invert branch of required degree 100x100x100x100 mm dia | each | 572.12 | 550.00 | 1.175 | 468.09 | 1.0936 | 511.90 | * |
| 674 | S.C.I. single unequal invert branch of required degree100x100x75 mm dia | each | 514.91 | 495.00 | 1.175 | 421.28 | 1.0936 | 460.71 | * |
| 677 | S.C.I. double unequal invert branchof required degree 100x100x75x75 mm dia | each | 592.92 | 570.00 | 1.175 | 485.11 | 1.0936 | 530.51 | * |
| 682 | S.C.I. door pieces 75 mm dia | each | 286.06 | 275.00 | 1.175 | 234.04 | 1.0936 | 255.95 | * |
| 683 | S.C.I. door pieces 100 mm dia | each | 416.08 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 685 | S.C.I. collar 75 mm dia | each | 117.54 | 92.00 | 1.175 | 78.30 | 1.0936 | 85.63 | * |
| 686 | S.C.I. collar 100 mm dia | each | 148.75 | 138.00 | 1.175 | 117.45 | 1.0936 | 128.44 | * |
| 687 | Unplasticised P.V.C. connection pipe with brass union 30 cm long 15 mm bore | each | 31.20 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 688 | Unplasticised P.V.C. connection pipe with brass union 30 cm long 20 mm bore | each | 36.41 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | * |
| 689 | Unplasticised P.V.C. connection pipe with brass union 45 cm long 15 mm bore | each | 36.41 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | * |
| 690 | Unplasticised P.V.C. connection pipe with brass union 45 cm long 20 mm bore | each | 49.93 | 48.00 | 1.175 | 40.85 | 1.0936 | 44.67 | * |
| 693 | S.C. I. hand pump | each | 696.94 | 670.00 | 1.175 | 570.21 | 1.0936 | 623.58 | |

S. O.R-BCD(0.3) 9th Edition

| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 1700 | R.C.C. pipes NP2 class 100 mm dia | metre | 208.04 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 1701 | R.C.C. pipes NP2 class 150 mm dia | metre | 218.44 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 1702 | R.C.C. pipes NP2 class 250 mm dia | metre | 270.46 | 260.00 | 1.175 | 221.28 | 1.0936 | 241.99 | * |
| 1703 | R.C.C. pipes NP2 class 300 mm dia | metre | 312.07 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |
| 1704 | R.C.C. pipes NP2 class 450 mm dia | metre | 416.08 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 1705 | R.C.C. pipes NP2 class 500 mm dia | metre | 603.32 | 580.00 | 1.175 | 493.62 | 1.0936 | 539.82 | * |
| 1706 | R.C.C. pipes NP2 class 600 mm dia | metre | 956.99 | 920.00 | 1.175 | 782.98 | 1.0936 | 856.27 | * |
| 1707 | R.C.C. pipes NP2 class 700 mm dia | metre | 1092.22 | 1050.00 | 1.175 | 893.62 | 1.0936 | 977.26 | * |
| 1709 | R.C.C. pipes NP2 class 800 mm dia | metre | 1217.04 | 1170.00 | 1.175 | 995.74 | 1.0936 | 1088.95 | * |
| 1710 | R.C.C. pipes NP2 class 900 mm dia | metre | 1331.46 | 1280.00 | 1.175 | 1089.36 | 1.0936 | 1191.33 | * |
| 1711 | R.C.C. pipes NP2 class 1000 mm dia | metre | 1653.93 | 1590.00 | 1.175 | 1353.19 | 1.0936 | 1479.85 | * |
| 1712 | R.C.C. pipes NP2 class 1100 mm dia | metre | 1950.39 | 1875.00 | 1.175 | 1595.74 | 1.0936 | 1745.11 | * |
| 1713 | R.C.C. pipes NP2 class 1200 mm dia | metre | 2002.40 | 1677.00 | 1.175 | 1427.23 | 1.0936 | 1560.82 | * |
| 1714 | R.C.C. pipes NP2 class 100 mm dia | each | 31.20 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 1715 | R.C.C. pipes NP2 class 150 mm dia | each | 36.41 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | * |
| 1716 | R.C.C.collars NP2 class 250 mm dia | each | 52.01 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 1717 | R.C.C.collars NP2 class 300 mm dia | each | 57.21 | 55.00 | 1.175 | 46.81 | 1.0936 | 51.19 | * |
| 1718 | R.C.C.collars NP2 class 450 mm dia | each | 104.02 | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | * |
| 1719 | R.C.C. collars NP2 class 500 mm dia | each | 119.62 | 115.00 | 1.175 | 97.87 | 1.0936 | 107.03 | * |
| 1720 | R.C.C.collars NP2 class 600 mm dia | each | 145.63 | 140.00 | 1.175 | 119.15 | 1.0936 | 130.30 | * |
| 1721 | R.C.C. collars NP2 class 700 mm dia | each | 156.03 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 1723 | R.C.C.collars NP2 class 800 mm dia | each | 208.04 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 1724 | R.C.C. collars NP2 class 900 mm dia | each | 244.45 | 235.00 | 1.175 | 200.00 | 1.0936 | 218.72 | * |
| 1725 | R.C.C. collars NP2 class 1000 mm dia | each | 291.26 | 280.00 | 1.175 | 238.30 | 1.0936 | 260.60 | * |
| 1726 | R.C.C. collars NP2 class 1100 mm dia | each | 312.07 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |
| 1727 | R.C.C. collars NP2 class 1200 mm dia | each | 364.07 | 350.00 | 1.175 | 297.87 | 1.0936 | 325.75 | * |
| 1728 | RCC pipe 450 mm dia NP-3 spigot | metre | 1556.16 | 1496.00 | 1.175 | 1273.19 | 1.0936 | 1392.36 | * |
| 1729 | RCC pipe 600 mm dia NP-3 spigot | metre | 2075.21 | 1995.00 | 1.175 | 1697.87 | 1.0936 | 1856.79 | * |
| 1730 | RCC pipe 900 mm dia NP-3 spigot | metre | 3276.65 | 3150.00 | 1.175 | 2680.85 | 1.0936 | 2931.78 | * |
| 1731 | RCC pipe 1000 mm dia NP-3 spigot | metre | 4041.20 | 3885.00 | 1.175 | 3306.38 | 1.0936 | 3615.86 | * |
| 732 | RCC pipe 1200 mm dia NP-3 spigot | metre | 5242.65 | 5040.00 | 1.175 | 4289.36 | 1.0936 | 4690.85 | * |
| 733 | RCC pipe 1800 mm dia NP-3 spigot | metre | 9829.96 | 9450.00 | 1.175 | 8042.55 | 1.0936 | 8795.34 | * |
| 734 | RCC pipe 450 mm dia NP-4 spigot | metre | 1802.68 | 1733.00 | 1.175 | 1474.89 | 1.0936 | 1612.94 | * |
| 735 | RCC pipe 600 mm dia NP-4 spigot | metre | 2402.88 | 2310.00 | 1.175 | 1965.96 | 1.0936 | 2149.97 | * |
| 736 | RCC pipe 900 mm dia NP-4 spigot | metre | 4779.76 | 4494.00 | 1.175 | 3824.68 | 1.0936 | 4182.67 | * |
| 737 | RCC pipe 1000 mm dia NP-4 spigot | metre | 5788.76 | 5565.00 | 1.175 | 4736.17 | 1.0936 | 5179.48 | * |
| 738 | RCC pipe 1200 mm dia NP-4 spigot | metre | 6771.75 | 6510.00 | 1.175 | 5540.43 | 1.0936 | 6059.01 | * |
| 739 | RCC pipe 1800 mm dia NP-4 spigot | metre | 14198.84 | 13650.00 | 1.175 | 11617.02 | 1.0936 | 12704.37 | * |
| 854 | Stoneware pipes grade A (60 cm long) 100 mm dia | each | 52.01 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 855 | Stoneware pipes grade A (60 cm long) 150 mm dia | each | 83.22 | 80.00 | 1.175 | 68.09 | 1.0936 | 74.48 | * |
| 856 | Stoneware pipes grade A (60 cm long) 200 mm dia | each | 138.34 | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | * |
| 857 | Stoneware pipes grade A (60 cm long) 230 mm dia | each | 176.83 | 170.00 | 1.175 | 144.68 | 1.0936 | 158.22 | |
| 858 | Stoneware pipes grade A (60 cm long) 250 mm dia | each | 228.85 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |

| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 1859 | Stoneware pipes grade A (60 cm long) 300 mm dia | each | 249.65 | 240.00 | 1.175 | 204.26 | 1.0936 | 223.37 | * |
| 1863 | Fire clay kitchen sink: 600x450x250 mm | each | 1404.28 | 1300.00 | 1.175 | 1106.38 | 1.0936 | 1209.94 | * |
| 1871 | White vitreous china laboratory sink450x300x150 mm | each | 852.97 | 820.00 | 1.175 | 697.87 | 1.0936 | 763.19 | * |
| 1872 | White vitreous china laboratory sink600x450x200 mm | each | 1586.32 | 1525.00 | 1.175 | 1297.87 | 1.0936 | 1419.35 | * |
| 1875 | White plastic seat (solid)with lid C.P.brass hinges and rubber buffers | each | 343.27 | 330.00 | 1.175 | 280.85 | 1.0936 | 307.14 | * |
| 1876 | Black plastic seat (solid) with lid C.P.brass hinges and rubber buffers | each | 322.46 | 310.00 | 1.175 | 263.83 | 1.0936 | 288.52 | * |
| 1878 | Shower rose C.P.brass for 15 to 20 mm inlet 100 mm dia | each | 52.01 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 1879 | Shower rose C.P.brass for 15 to 20 mm inlet 150 mm dia | each | 62.41 | 60.00 | 1.175 | 51.06 | 1.0936 | 55.84 | * |
| 1881 | Spun yarn | kilogram | 52.01 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 1882 | Strainer brass 40 mm dia 1 5 metre long | each | 624.12 | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | * |
| 1885 | 15 mm C P brass tap | each | 218.44 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 1889 | C.P.brass toilet paper holder of standard size | each | 176.83 | 185.00 | 1.175 | 157.45 | 1.0936 | 172.18 | * |
| 1891 | C.I. trap for standard urinal with vent arm with operating and other couplings in C.P.brass: 50 mm dia | each | 176.83 | 170.00 | 1.175 | 144.68 | 1.0936 | 158.22 | * |
| 1893 | C.I. trap for standard urinal with vent arm with operating and other couplings in C.P.brass: 80 mm dia | each | 234.04 | 225.00 | 1.175 | 191.49 | 1.0936 | 209.41 | * |
| 1895 | C.P.brass trap40 mm dia | each | 156.03 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 1896 | 100 mm S.C.I. trap with vent heel | each | 327.67 | 315.00 | 1.175 | 268.09 | 1.0936 | 293.18 | * |
| 1897 | 100 mm S.C.I. trap with 100 mm inlet and 100 mm outlet | each | 286.06 | 275.00 | 1.175 | 234.04 | 1.0936 | 255.95 | * |
| 1898 | 100 mm S.C.I. trap with 100 mm inlet and 75 mm outlet | each | 226.77 | 218.00 | 1.175 | 185.53 | 1.0936 | 202.90 | * |
| 1900 | S.W. gully trap P type 100x100 mm | each | 83.62 | 90.00 | 1.175 | 76.60 | 1.0936 | 83.77 | * |
| 1902 | S.W. gully trap P type 150x100 mm | each | 135.22 | 130.00 | 1.175 | 110.64 | 1.0936 | 120.99 | * |
| 1904 | S.W. gully trap P type 180x150 mm | each | 234.04 | 225.00 | 1.175 | 191.49 | 1.0936 | 209.41 | * |
| 1913 | Vitreous china lipped front urinal | each | 478.49 | 460.00 | 1.175 | 391.49 | 1.0936 | 428.13 | * |
| 1915 | Vitreous china squatting plate urinal | each | 790.56 | 1053.00 | 1.175 | 896.17 | 1.0936 | 980.05 | * |
| 1922 | H.P. or L.P. ball valve with polythene floats: 15 mm dia | each | 218.44 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 1923 | H.P. or L.P. ball valve with polythene floats: 20 mm dia | each | 317.26 | 235.00 | 1.175 | 200.00 | 1.0936 | 218.72 | * |
| 1924 | H.P. or L.P. ball valve with polythene floats: 25 mm dia | each | 343.27 | 230.00 | 1.175 | 195.74 | 1.0936 | 214.07 | * |
| 1927 | Brass full way valve with C.I. wheel (screwed end) 25 mm dia | each | 364.07 | 350.00 | 1.175 | 297.87 | 1.0936 | 325.75 | * |
| 1928 | Brass full way valve with C.I. wheel (screwed end) 32 mm dia | each | 426.49 | 410.00 | 1.175 | 348.94 | 1.0936 | 381.60 | * |
| 1929 | Brass full way valve with C.I. wheel (screwed end) 40 mm dia | each | 499.30 | 480.00 | 1.175 | 408.51 | 1.0936 | 446.75 | * |
| 930 | Brass full way valve with C.I. wheel (screwed end) 50 mm dia | each | 644.93 | 620.00 | 1.175 | 527.66 | 1.0936 | 577.05 | * |
| 931 | Brass full way valve with C.I. wheel (screwed end) 65 mm dia | each | 1123.43 | 1080.00 | 1.175 | 919.15 | 1.0936 | 1005.18 | * |
| 932 | Brass full way valve with C.I. wheel (screwed end) 80 mm dia | each | 1685.14 | 1620.00 | 1.175 | 1378.72 | 1.0936 | 1507.77 | * |
| 933 | Gunmetal non-return valve-horizontal (screwed end) 25 mm dia | each | 343.27 | 330.00 | 1.175 | 280.85 | 1.0936 | 307.14 | * |
| 934 | Gunmetal non-return valve-horizontal (screwed end) 32 mm dia | each | 468.09 | 450.00 | 1.175 | 382.98 | 1.0936 | 418.83 | * |
| 935 | Gunmetal non-return valve-horizontal (screwed end) 40 mm dia | each | 582.51 | 560.00 | 1.175 | 476.60 | 1.0936 | 521.21 | * |
| 936 | Gunmetal non-return valve-horizontal (screwed end) 50 mm dia | each | 852.97 | 820.00 | 1.175 | 697.87 | 1.0936 | 763.19 | * |
| 937 | Gunmetal non-return valve-horizontal (screwed end) 65 mm dia | each | 1549.91 | 1490.00 | 1.175 | 1268.09 | 1.0936 | 1386.78 | * |
| 938 | Gunmetal non-return valve-horizontal (screwed end) 80 mm dia | each | 2265.24 | 2120.00 | 1.175 | 1804.26 | 1.0936 | 1973.13 | * |
| 940 | C.I. sluice valve (with caps) class I : 100 mm dia | each | 2506.90 | 2410.00 | 1.175 | 2051.08 | 1.0936 | 2243.04 | * |
| 941 | C.I. sluice valve (with caps) class I : 125 mm dia | each | 2704.54 | 2600.00 | 1.175 | 2212.77 | 1.0936 | 2419.88 | * |
| 942 | C.I. sluice valve (with caps) class I : 150 mm dia | each | 3744.75 | 3600.00 | 1.175 | 3063.83 | 1.0936 | 3350.60 | * |
| 943 | C.I. sluice valve (with caps) class I : 200 mm dia | each | 7801.56 | 7500.00 | 1.175 | 6382.98 | 1.0936 | 6980.43 | * |
| 944 | C.I. sluice valve (with caps) class I : 250 mm dia | each | 11421.49 | 10980.00 | 1.175 | 9344.68 | 1.0936 | 10219.34 | * |
| 945 | C.I. sluice valve (with caps) class I : 300 mm dia | each | 16123.23 | 15500.00 | 1.175 | 13191.49 | 1.0936 | 14426.21 | * |

S. O.R-BCD(0.3) 9th Edition

| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due Increase in [illegible] from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 1947 | Vitreous china flat back wash basin 630x450 mm | each | 754.15 | 725.00 | 1.175 | 617.02 | 1.0936 | 674.77 | * |
| 1949 | Vitreous china angle back wash basin 600x480 mm | each | 754.15 | 725.00 | 1.175 | 617.02 | 1.0936 | 674.77 | * |
| 1950 | Vitreous china angle back wash basin 400x400 mm | each | 442.09 | 425.00 | 1.175 | 361.70 | 1.0936 | 395.56 | * |
| 1951 | C.P. brass waste 32 mm | each | 83.22 | 80.00 | 1.175 | 68.09 | 1.0936 | 74.46 | * |
| 1952 | C.P. brass waste 40 mm | each | 98.82 | 95.00 | 1.175 | 80.85 | 1.0936 | 88.42 | * |
| 1953 | Vitreous china Indian type w.c. pan size 580 mm | each | 468.09 | 450.00 | 1.175 | 382.98 | 1.0936 | 418.83 | * |
| 1954 | Vitreous china orrisa type w.c. pan size 580 mm | each | 811.36 | 780.00 | 1.175 | 663.83 | 1.0936 | 725.96 | * |
| 1955 | Vitreous china pedestal type water closet | each | 728.15 | 700.00 | 1.175 | 595.74 | 1.0936 | 651.51 | * |
| 1956 | Bolts and nuts 16 mm dia 60 mm long | each | 12.48 | 11.00 | 1.175 | 9.36 | 1.0936 | 10.24 | * |
| 1957 | Bolts and nuts 16 mm dia 65 mm long | each | 12.48 | 12.00 | 1.175 | 10.21 | 1.0936 | 11.17 | * |
| 1958 | Bolts and nuts 20 mm dia 65 mm long | each | 15.60 | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | * |
| 1959 | Bolts and nuts 20 mm dia 70 mm long | each | 15.60 | 17.00 | 1.175 | 14.47 | 1.0936 | 15.82 | * |
| 1960 | Bolts and nuts 20 mm dia 75 mm long | each | 16.65 | 16.00 | 1.175 | 13.62 | 1.0936 | 14.89 | * |
| 1961 | Bolts and nuts 20 mm dia 80 mm long | each | 18.72 | 18.00 | 1.175 | 15.32 | 1.0936 | 16.75 | * |
| 1962 | Bolts and nuts 24 mm dia 85 mm long | each | 29.13 | 28.00 | 1.175 | 23.83 | 1.0936 | 26.06 | * |
| 1963 | Bolts and nuts 24 mm dia 90 mm long | each | 33.29 | 32.00 | 1.175 | 27.23 | 1.0936 | 29.78 | * |
| 1964 | Bolts and nuts 27 mm dia 100 mm long | each | 39.53 | 38.00 | 1.175 | 32.34 | 1.0936 | 35.37 | * |
| 1965 | White vitreous china dual purpose closet (Anglo Indian W.C.) suitable for use as squatting pan or European type water closet as per manufacturer's specifications | each | 1352.27 | 1300.00 | 1.175 | 1106.38 | 1.0936 | 1209.94 | * |
| 1966 | Floor mounted white vitreous china double trap syphonic WC with 10 litre cistern and all fittings & fixtures,seat cover etc | each | | 9500.00 | 1.175 | 8085.11 | 1.0936 | 8841.87 | * |
| 1970 | Vitreous china foot rests 250x125x25 mm | pair | 104.02 | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | * |
| 1980 | Fly ash | cum | 8.06 | 8.00 | 1.175 | 6.81 | 1.0936 | 7.45 | * |
| 1984 | Brick Tiles (300mm x 150mm x 50mm) | thousand | 6727.35 | | | 5986.00 | | 5986.00 | ** |
| 1986 | Uraban Patna | | 7019.25 | | | 6247.00 | | 6247.00 | ** |
| A | For ,Bhagalpur,Saharasar,Darabhanga ,Muzaffarpur | | 7049.70 | | | 6274.00 | | 6274.00 | ** |
| B | For Purnea | | 7373.10 | | | 6563.00 | | 6563.00 | ** |
| C | For other places | | 6727.35 | | | 5986.00 | | 5986.00 | ** |
| D | Common burnt clay modular bricks class designation 12.5 | 1000 nos | 7019.25 | | | 6247.00 | | 6247.00 | ** |
| 200 | Carriage of Steam coal | tonne | | 118.59 | 1.05 | 112.94 | 1.0936 | 123.51 | * |
| 201 | Carriage of Bricks | 1000 nos | | 276.72 | 1.05 | 0.00 | 0.0000 | 0.00 | * |
| 202 | Carriage of Stone aggregate below 40 mm nominal size | cum | | 103.77 | 1.05 | 0.00 | 0.0000 | 0.00 | * |
| 203 | Carriage of Coarse sand | cum | | 103.77 | 1.05 | 0.00 | 0.0000 | 0.00 | * |
| 204 | Carriage of Timber | cum | | 118.59 | 1.05 | 112.94 | 1.0936 | 123.51 | * |
| 205 | Carriage of Steel | tonne | | 92.24 | 1.05 | 87.85 | 1.0936 | 96.07 | * |
| 206 | Carriage of Stone aggregate 40 mm nominal size and above | cum | | 112.79 | 1.05 | 0.00 | 0.0000 | 0.00 | * |
| 207 | Carriage of Brick tiles | 1000 nos | | 166.03 | 1.05 | 0.00 | 1.0936 | 0.00 | * |
| 208 | Carriage of Lime | cum | | 103.77 | 1.05 | 98.83 | 1.0936 | 108.08 | * |
| 209 | Carriage of Cement | tonne | | 92.24 | 1.05 | 87.85 | 1.0936 | 96.07 | * |
| 211 | Carriage of Tar / Bitumen | tonne | | 103.77 | 1.05 | 98.83 | 1.0936 | 108.08 | * |
| 215 | Carriage of Soling stone & masonry stone | cum | | 122.08 | 1.05 | 116.27 | 1.0936 | 127.15 | * |
| 216 | Carriage of Stone blocks white & red sand stone & kota stone slab | tonne | | 92.24 | 1.05 | 87.85 | 1.0936 | 96.07 | * |
| 224 | Carriage of S.W. pipes 100 mm dia | 100 metre | | 138.36 | 1.05 | 131.77 | 1.0936 | 144.11 | * |
| 225 | Carriage of S.W. pipes 150 mm dia | 100 metre | | 276.72 | 1.05 | 263.54 | 1.0936 | 288.21 | * |
| 226 | Carriage of S.W. pipes 200 mm dia | 100 metre | | 461.19 | 1.05 | 439.23 | 1.0936 | 480.34 | * |
| 228 | Carriage of S.W. pipes 250 mm dia | 100 metre | | 790.62 | 1.05 | 752.97 | 1.0936 | 823.45 | * |
| 229 | Carriage of S.W. pipes 300 mm dia | 100 metre | | 986.27 | 1.05 | 941.21 | 1.0936 | 1029.31 | * |
| 241 | Carriage of Good earth | cum | | 129.71 | 1.05 | 0.00 | 1.0936 | 0.00 | * |

| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 2242 | Carriage of Dump manure by mechanical transport upto 5 km lead | cum | | 112.79 | 1.05 | 107.42 | 1.0936 | 117.47 | * |
| 2260 | Carriage of Brick aggregate | cum | | 112.79 | 1.05 | 0.00 | 1.0936 | 0.00 | * |
| 2261 | Carriage of Fine sand | cum | | 103.77 | 1.05 | 0.00 | 1.0936 | 0.00 | * |
| 2262 | Carriage of Flyash | cum | | 103.77 | 1.05 | 98.83 | 1.0936 | 108.08 | * |
| 2264 | Carriage of Rubbish | cum | | 103.77 | 1.05 | 98.83 | 1.0936 | 108.08 | * |
| 2265 | Carriage of Moorum | cum | | 103.77 | 1.05 | 98.83 | 1.0936 | 108.08 | * |
| 2266 | Carriage of Surkhi | cum | | 103.77 | 1.05 | 98.83 | 1.0936 | 108.08 | * |
| 2267 | Carriage of Stone dust | cum | | 103.77 | 1.05 | 98.83 | 1.0936 | 108.08 | * |
| 2268 | Carriage of Marble dust and/or marble chips | cum | | 103.77 | 1.05 | 98.83 | 1.0936 | 108.08 | * |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | | 92.24 | 1.05 | 87.85 | 1.0936 | 96.07 | * |
| 2272 | Carriage of Stainless Steel pipes below 100 mm dia | tonne | | 92.24 | 1.05 | 87.85 | 1.0936 | 96.07 | * |
| 2273 | Carriage of A.C.sheet and accessories | tonne | | 92.24 | 1.05 | 87.85 | 1.0936 | 96.07 | * |
| 2275 | Carriage of R.C.C. pipes 100 mm dia | 100 metre | | 226.82 | 1.05 | 216.02 | 1.0936 | 236.24 | * |
| 2281 | Carriage of R.C.C. pipes 150 mm dia | 100 metre | | 378.03 | 1.05 | 360.03 | 1.0936 | 393.73 | * |
| 2287 | Carriage of R.C.C. pipes 250 mm dia | 100 metre | | 873.84 | 1.05 | 832.23 | 1.0936 | 910.13 | * |
| 2290 | Carriage of R.C.C. pipes 300 mm dia | 100 metre | | 1080.08 | 1.05 | 1028.65 | 1.0936 | 1124.93 | * |
| 2299 | Carriage of R.C.C. pipes 450 & 500 mm dia | 100 metre | | 2520.19 | 1.05 | 2400.18 | 1.0936 | 2624.84 | * |
| 2302 | Carriage of G.I. sheet and accessories | tonne | | 92.24 | 1.05 | 87.85 | 1.0936 | 96.07 | * |
| 2303 | Carriage of R.C.C. pipes 600,700 750 & 800 mm dia | 100 metre | | 3780.28 | 1.05 | 3600.27 | 1.0936 | 3937.25 | * |
| 2308 | Carriage of Plaster of paris | tonne | | 92.24 | 1.05 | 87.85 | 1.0936 | 96.07 | * |
| 2309 | Carriage of Cast Iron fittings | tonne | | 92.24 | 1.05 | 87.85 | 1.0936 | 96.07 | * |
| 2311 | Carriage of Red bajri | cum | | 103.77 | 1.05 | 98.83 | 1.0936 | 108.08 | * |
| 2314 | Carriage of Barbed wire | tonne | | 92.24 | 1.05 | 87.85 | 1.0936 | 96.07 | * |
| 2317 | Carriage of Sludge | cum | | 112.79 | 1.05 | 107.42 | 1.0936 | 117.47 | * |
| 2319 | Carriage of Spun iron S & S pipes 100 mm dia | 100 metre | | 226.82 | 1.05 | 216.02 | 1.0936 | 236.24 | * |
| 2320 | Carriage of Spun iron S & S pipes 125 mm dia | 100 metre | | 302.97 | 1.05 | 288.54 | 1.0936 | 315.55 | * |
| 2321 | Carriage of Spun iron S & S pipes 150 mm dia | 100 metre | | 378.03 | 1.05 | 360.03 | 1.0936 | 393.73 | * |
| 2322 | Carriage of Spun iron S & S pipes 200 mm dia | 100 metre | | 614.93 | 1.05 | 585.65 | 1.0936 | 640.46 | * |
| 2323 | Carriage of Spun iron S & S pipes 250 mm dia | 100 metre | | 873.84 | 1.05 | 832.23 | 1.0936 | 910.13 | * |
| 2324 | Carriage of Spun iron S & S pipes 300 mm dia | 100 metre | | 1080.08 | 1.05 | 1028.65 | 1.0936 | 1124.93 | * |
| 2325 | Carriage of Spun iron S & S pipes 350 mm dia | 100 metre | | 1512.11 | 1.05 | 1440.10 | 1.0936 | 1574.90 | * |
| 2326 | Carriage of Spun iron S & S pipes 400 mm dia | 100 metre | | 2061.97 | 1.05 | 1963.78 | 1.0936 | 2147.59 | * |
| 2327 | Carriage of Spun iron S & S pipes 450 mm dia | 100 metre | | 2520.19 | 1.05 | 2400.18 | 1.0936 | 2624.84 | * |
| 2328 | Carriage of Spun iron S & S pipes 500 mm dia | 100 metre | | 2520.19 | 1.05 | 2400.18 | 1.0936 | 2624.84 | * |
| 2329 | Carriage of Spun iron S & S pipes 600mm dia | 100 metre | | 3780.28 | 1.05 | 3600.27 | 1.0936 | 3937.25 | * |
| 2330 | Carriage of C.I. pipes 500 mm dia | 100 metre | | 2520.19 | 1.05 | 2400.18 | 1.0936 | 2624.84 | * |
| 2331 | Carriage of R.C.C. pipes 900 mm dia | 100 metre | | 5670.42 | 1.05 | 5400.40 | 1.0936 | 5905.86 | * |
| 2332 | Carriage of R.C.C. pipes 1000 mm dia | 100 metre | | 7560.57 | 1.05 | 7200.54 | 1.0936 | 7874.51 | * |
| 2333 | Carriage of R.C.C. pipes 1100 mm dia | 100 metre | | 7560.57 | 1.05 | 7200.54 | 1.0936 | 7874.51 | * |
| 2334 | Carriage of R.C.C. pipes 1200 mm dia | 100 metre | | 7560.57 | 1.05 | 7200.54 | 1.0936 | 7874.51 | * |
| 2335 | Carriage of sand | cum | | 103.77 | 1.05 | 0.00 | 1.0936 | 0.00 | * |
| 2336 | Carriage of R.C.C. pipe above 1200 mm dia and upto 1800 mm dia | 100 metre | | 7560.57 | 1.05 | 7200.54 | 1.0936 | 7874.51 | * |
| 2341 | Carriage of Pig lead | tonne | | 92.24 | 1.05 | 87.85 | 1.0936 | 96.07 | * |
| 2342 | Carriage of Solvent / Diesel. | quintel | | 10.38 | 1.05 | 9.89 | 1.0936 | 10.81 | * |
| 2343 | Carriage of Ductile iron pipes (k7) 100 mm dia | 100 metre | | 226.82 | 1.05 | 216.02 | 1.0936 | 236.24 | * |
| 2344 | Carriage of Cast iron pipes 150 mm dia | 100 metre | | 378.03 | 1.05 | 360.03 | 1.0936 | 393.73 | * |
| 2345 | Carriage of Cast iron pipes 200 mm dia | 100 metre | | 614.93 | 1.05 | 585.65 | 1.0936 | 640.46 | * |
| 2348 | Carriage of Cast iron pipes 250 mm dia | 100 metre | | 873.84 | 1.05 | 832.23 | 1.0936 | 910.13 | * |
| 2347 | Carriage of Cast iron pipes 300 mm dia | 100 metre | | 1080.08 | 1.05 | 1028.65 | 1.0936 | 1124.93 | * |

S_O.R-BCD(0.3) 9th Edition

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| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 2348 | Carriage of Cast iron pipes 350 mm dia | 100 metre | | 1512.11 | 1.05 | 1440.10 | 1.0936 | 1574.90 | * |
| 2349 | Carriage of Cast iron pipes 400 mm dia | 100 metre | | 2061.97 | 1.05 | 1963.78 | 1.0936 | 2147.59 | * |
| 2350 | Carriage of Cast iron pipes 450 mm dia | 100 metre | | 2520.19 | 1.05 | 2400.18 | 1.0936 | 2624.84 | * |
| 2351 | Carriage of Cast iron pipes 500 mm dia | 100 metre | | 2520.19 | 1.05 | 2400.18 | 1.0936 | 2624.84 | * |
| 2352 | Carriage of Cast iron pipes 600 mm dia | 100 metre | | 3780.28 | 1.05 | 3600.27 | 1.0936 | 3937.25 | * |
| 2353 | Carriage of Cast iron pipes 700 mm dia | 100 metre | | 3780.28 | 1.05 | 3600.27 | 1.0936 | 3937.25 | * |
| 2355 | Carriage of Cast iron pipes 800 mm dia | 100 metre | | 3780.28 | 1.05 | 3600.27 | 1.0936 | 3937.25 | * |
| 2356 | Carriage of Cast iron pipes 900 mm dia | 100 metre | | 5670.42 | 1.05 | 5400.40 | 1.0936 | 5905.88 | * |
| 2357 | Carriage of Cast iron pipes 1000 mm dia | 100 metre | | 7560.57 | 1.05 | 7200.54 | 1.0936 | 7874.51 | * |
| 2391 | Strips-Aluminium fluted 3.15 mm thick and 150 mm wide | metre | 237.16 | 228.00 | 1.175 | 194.04 | 1.0936 | 212.20 | * |
| 2392 | Strips-Aluminium fluted 3.15 mm thick and 200 mm wide metre | metre | 335.99 | 323.00 | 1.175 | 274.89 | 1.0936 | 300.62 | * |
| 2393 | 1 mm thick Stainless Steel Cover plate grade 304 | Kg | 286.06 | 275.00 | 1.175 | 234.04 | 1.0936 | 255.95 | * |
| 2394 | Coupler 16 mm dia | each | 69.69 | 67.00 | 1.175 | 57.02 | 1.0936 | 62.36 | * |
| 2395 | Coupler 20 mm dia | each | 91.54 | 88.00 | 1.175 | 74.89 | 1.0936 | 81.90 | * |
| 2396 | Coupler 25 mm dia | each | 135.22 | 130.00 | 1.175 | 110.64 | 1.0936 | 120.99 | * |
| 2397 | Coupler 28 mm dia | each | 199.72 | 192.00 | 1.175 | 163.40 | 1.0936 | 178.70 | * |
| 2398 | Coupler 32 mm dia | each | 240.29 | 231.00 | 1.175 | 196.60 | 1.0936 | 215.00 | * |
| 2399 | Complete Roof Joint of 100 mm | metre | 4680.94 | 2800.00 | 1.175 | 2382.98 | 1.0936 | 2606.03 | * |
| 2400 | Complete Roof Joint of 150 mm | metre | 4993.00 | 3200.00 | 1.175 | 2723.40 | 1.0936 | 2978.31 | * |
| 2401 | Complete Roof Joint of 200 mm | metre | 5201.04 | 4000.00 | 1.175 | 3404.26 | 1.0936 | 3722.89 | * |
| 2402 | Epoxy adhesive | kg | 156.03 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 2403 | Floor Joint of 100 mm | metre | 4680.94 | 3100.00 | 1.175 | 2638.30 | 1.0936 | 2885.24 | * |
| 2404 | Floor Joint of 150 mm | metre | 5201.04 | 4000.00 | 1.175 | 3404.26 | 1.0936 | 3722.89 | * |
| 2405 | Floor Joint of 200 mm | metre | 5617.13 | 5400.00 | 1.175 | 4595.74 | 1.0936 | 5025.91 | * |
| 2406 | Float glass sheet of nominal thickness 4 mm (weighing not less than 10 kg/sqm) | sqm | 343.27 | 286.00 | 1.175 | 243.40 | 1.0936 | 266.19 | * |
| 2407 | Float Glass sheet of nominal thickness 5.5mm (weighing not less than 13.50 kg/sqm | sqm | 520.10 | 490.00 | 1.175 | 417.02 | 1.0936 | 456.05 | * |
| 2408 | Float glass sheet of nominal thickness 8 mm (weight not less than 20.00 kg/sqm) | sqm | 728.15 | 605.00 | 1.175 | 514.89 | 1.0936 | 563.09 | * |
| 2409 | Wall Joint of 100 mm | metre | 3536.70 | 2400.00 | 1.175 | 2042.55 | 1.0936 | 2233.74 | * |
| 2410 | Wall Joint of 150 mm | metre | 3848.77 | 2800.00 | 1.175 | 2382.98 | 1.0936 | 2606.03 | * |
| 2411 | Wall Joint of 200 mm | metre | 4160.83 | 3400.00 | 1.175 | 2893.62 | 1.0936 | 3164.46 | * |
| 2412 | Ply wood 5 ply with commercial ply on both faces 6 mm thick | sqm | 374.48 | 376.00 | 1.175 | 320.00 | 1.0936 | 349.95 | * |
| 2413 | 12 mm commercial ply | sqm | 603.32 | 700.00 | 1.175 | 595.74 | 1.0936 | 651.51 | * |
| 2414 | 18 mm thick block board with commercial ply veneering on both side | sqm | 728.15 | 788.00 | 1.175 | 670.64 | 1.0936 | 733.41 | * |
| 2415 | 21 mm thick clear toughened Laminated glass for fins with holes | sqm | | 6000.00 | 1.175 | 5106.38 | 1.0936 | 5584.34 | * |
| 2447 | Hollock bailies 125 mm diameter | metre | 36.41 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | * |
| 2449 | Oxidised mild steel Pull bolt lock of size 85mmx42mm with screws bolts and washers complete | each | 52.01 | 55.00 | 1.175 | 46.81 | 1.0936 | 51.19 | * |
| 2451 | Brass Cupboard lock 6 levers (best make of approved quality) 40 mm size | each | 72.81 | 52.00 | 1.175 | 44.26 | 1.0936 | 48.40 | * |
| 2452 | Brass Cupboard lock 6 levers (best make of approved quality) 50 mm size | each | 78.01 | 80.00 | 1.175 | 68.09 | 1.0936 | 74.48 | * |
| 2453 | Brass Cupboard lock 6 levers (best make of approved quality) 65 mm size | each | 83.22 | 85.00 | 1.175 | 72.34 | 1.0936 | 79.11 | * |
| 2454 | Brass Cupboard lock 6 levers (best make of approved quality) 75 mm size | each | 104.02 | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | * |
| 2455 | Brass Hanging type door stopper 150 mm | each | 67.62 | 70.00 | 1.175 | 59.57 | 1.0936 | 65.15 | * |
| 2456 | Hydraulic door closer tubular type aluminium die cast body with necessary accessories and screws complete | each | 613.73 | 303.00 | 1.175 | 257.87 | 1.0936 | 282.01 | * |
| 2459 | Anodised Aluminium hanging type door stopper | each | 26.01 | 18.00 | 1.175 | 15.32 | 1.0936 | 16.75 | * |
| 2464 | Anodised Aluminium pull bolt lock (locking bolt) of size 85x42 mm with screws, bolts, nuts and washers complete | each | 52.01 | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | * |
| 2485 | Anodised Aluminium Casement stay 250 mm | each | 52.01 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 2466 | Hollock wood in scantling | 10 cud | 338.06 | 340.00 | 1.175 | 289.36 | 1.0936 | 316.45 | * |
| 2467 | Chromium plated Brass Pull bolt lock (locking bolt) of size 85mm x 42mm with screws, bolts, nuts and washers complete | each | 171.64 | 165.00 | 1.175 | 140.43 | 1.0936 | 153.57 | * |
| 2468 | Chromium Brass cupboard lock (Nickled) 40mm size | each | 67.62 | 56.00 | 1.175 | 47.66 | 1.0936 | 52.12 | * |
| 2469 | Chromium Brass cupboard lock (Nickled) 50mm size | each | 78.01 | 66.00 | 1.175 | 56.17 | 1.0936 | 61.43 | * |
| 2470 | Chromium Brass cupboard lock (Nickled) 65mm size | each | 88.42 | 90.00 | 1.175 | 76.60 | 1.0936 | 83.77 | * |
| 2471 | Chromium Brass cupboard lock (Nickled) 75mm size | each | 114.42 | 115.00 | 1.175 | 97.87 | 1.0936 | 107.03 | * |
| 2480 | PANELS Ply wood 5 ply with teak ply on both faces 9 mm thick | sqm | 1071.41 | 807.00 | 1.175 | 686.81 | 1.0936 | 751.09 | * |
| 2481 | Ply wood 5 ply with teak ply n one face and commercial ply on another face 9 mm thick | sqm | 873.78 | 850.00 | 1.175 | 723.40 | 1.0936 | 791.11 | * |
| 2483 | Ply wood 7 ply with teak ply on one face and commercial ply on another face 9 mm thick | sqm | 956.99 | 950.00 | 1.175 | 808.51 | 1.0936 | 884.19 | * |
| 2484 | Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587 | sqm | 719.72 | 460.00 | 1.175 | 391.49 | 1.0936 | 428.13 | * |
| 2485 | Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 18 mm thick confirming to IS:14587 | sqm | 959.59 | 597.00 | 1.175 | 508.09 | 1.0936 | 555.64 | * |
| 2486 | Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick confirming to IS:14587 | sqm | 1246.33 | 860.00 | 1.175 | 731.91 | 1.0936 | 800.42 | * |
| 2487 | Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 12 mm thick confirming to IS:14587 | sqm | 667.03 | 430.00 | 1.175 | 365.96 | 1.0936 | 400.21 | * |
| 2488 | Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 18 mm thick confirming to IS:14587 | sqm | 895.26 | 560.00 | 1.175 | 476.60 | 1.0936 | 521.21 | * |
| 2489 | PVC edge bending tape 2.00 mm thick | metre | 29.70 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 2491 | Pre laminated both side solid foam uPVC profile (45x20mm) | metre | 104.02 | 125.00 | 1.175 | 106.38 | 1.0936 | 116.34 | * |
| 2492 | Solid foam uPVC sheet 20mm thick pre laminated on both side | sqm | | 2075.00 | 1.175 | 1765.96 | 1.0936 | 1931.25 | * |
| 2493 | PVC edge beading | metre | | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 2494 | Expandable fastner with plastic sleeve | each | | 5.00 | 1.175 | 4.26 | 1.0936 | 4.65 | * |
| 2500 | Extra for selected planks of second class deodar wood | 10 cud | 104.02 | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | * |
| 2504 | Kiln seasoning of timber | cum | 759.35 | 750.00 | 1.175 | 638.30 | 1.0936 | 698.04 | * |
| 2505 | Hollock wood in planks | 10 cud | 384.88 | 390.00 | 1.175 | 331.91 | 1.0936 | 362.98 | * |
| 2506 | Carben Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10 mm x 60 mm | 10 cudm | 260.05 | 260.00 | 1.175 | 221.28 | 1.0936 | 241.99 | * |
| 2507 | Carben Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10 mm x 80 mm | 10 nos | 304.78 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |
| 2508 | Carben Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10 mm x 120mm | 10nos | 378.64 | 365.00 | 1.175 | 310.64 | 1.0936 | 339.71 | * |
| 2509 | Carben Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10 mm x 140 mm | 10 nos | 468.09 | 460.00 | 1.175 | 391.49 | 1.0936 | 428.13 | * |
| 2510 | Carben Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10 mm x 160 mm | 10 Nos | 592.92 | 575.00 | 1.175 | 489.36 | 1.0936 | 535.17 | * |
| 2602 | Designation 100 A Brick | thousand | 5603.85 | | | 4981.00 | | 4981.00 | ** |
| 2602A | Urban Patna | thousand | 7019.25 | | | 6247.00 | | 6247.00 | ** |
| 2602B | Darbhanga | thousand | 5923.05 | | | 5267.00 | | 5267.00 | ** |
| 2602C | Bhagalpur | thousand | 5923.05 | | | 5267.00 | | 5267.00 | ** |
| 2602D | Munger | thousand | 5923.05 | | | 5267.00 | | 5267.00 | ** |
| 2602E | Muzaffarpur | thousand | 5923.05 | | | 5267.00 | | 5267.00 | ** |
| 2602F | Gaya | thousand | 5603.85 | | | 4981.00 | | 4981.00 | ** |
| 2602G | Patna Rural | thousand | 5844.30 | | | 5196.00 | | 5196.00 | ** |

| Code No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due Increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 2602H | Saran | thousand | 5603.85 | | | 4981.00 | | 4981.00 | ** |
| 2602I | Saharsa | thousand | 6083.70 | | | 5411.00 | | 5411.00 | ** |
| 2602J | Purnea | thousand | 6406.05 | | | 5699.00 | | 5699.00 | ** |
| 2603 | Designation 100 B Brick | thousand | 5119.80 | | | 4549.00 | | 4549.00 | ** |
| 2603A | Urban Patna | thousand | 6514.20 | | | 5796.00 | | 5796.00 | ** |
| 2603B | Darbhanga | thousand | 5440.05 | | | 4835.00 | | 4835.00 | ** |
| 2603C | Bhagalpur | thousand | 5440.05 | | | 4835.00 | | 4835.00 | ** |
| 2603D | Munger | thousand | 5440.05 | | | 4835.00 | | 4835.00 | ** |
| 2603E | Muzaffarpur | thousand | 5440.05 | | | 4835.00 | | 4835.00 | ** |
| 2603F | Gaya | thousand | 5119.80 | | | 4549.00 | | 4549.00 | ** |
| 2603G | Patna Rural | thousand | 5340.30 | | | 4746.00 | | 4746.00 | ** |
| 2603H | Saran | thousand | 5119.80 | | | 4549.00 | | 4549.00 | ** |
| 2603I | Saharsa | thousand | 5603.85 | | | 4981.00 | | 4981.00 | ** |
| 2603J | Purnea | thousand | 5923.05 | | | 5267.00 | | 5267.00 | ** |
| 2605 | Structural sealant - 6 mm x 12 mm | metre | 32.87 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 2606 | Spacer tape 6.4 mm thick x 6 mm wide | metre | 18.72 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 2607 | Weather Sealant - Non Staining (600 ml) | each | 477.61 | 420.00 | 1.175 | 357.45 | 1.0936 | 390.90 | * |
| 2608 | Weather Sealant - Normal (300 ml) | each | 148.95 | 125.00 | 1.175 | 106.38 | 1.0936 | 116.34 | * |
| 2609 | MS Brackets/Aluminium Alloy Brackets | kg | 104.02 | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | * |
| 2610 | Silicon Gasket in Kg (Above 50 g / m) | kg | 625.42 | 570.00 | 1.175 | 485.11 | 1.0936 | 530.51 | * |
| 2611 | EPDM Gasket in Kg (Above 60 g / m) | kg | 166.42 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 2612 | Anchor Fasner - M10 | each | 115.41 | 10.00 | 1.175 | 8.51 | 1.0936 | 9.31 | * |
| 2613 | SS Bolt with washer of sizes for structural glazing / ACP Cladding | each | 36.41 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | * |
| 2614 | SS Screws of sizes for structural glazing / ACP Cladding | each | 5.20 | 4.00 | 1.175 | 3.40 | 1.0936 | 3.72 | * |
| 2615 | Protective Tape | metre | 26.01 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 2616 | GI flashing - 1.2 mm Thick | kg | 68.65 | 58.00 | 1.175 | 49.36 | 1.0936 | 53.98 | * |
| 2617 | 6 mm thick High performance glass | sqm | 1986.80 | 1850.00 | 1.175 | 1574.47 | 1.0936 | 1721.84 | * |
| 2618 | 6 mm thick clear heat strengthened glass | sqm | 800.96 | 640.00 | 1.175 | 544.68 | 1.0936 | 595.66 | * |
| 2619 | 6 mm thick clear heat strengthened glass | each | 150.83 | 128.00 | 1.175 | 108.94 | 1.0936 | 119.13 | * |
| 2620 | ARMS GS HD -TOP HUNG -20°-TYPE P-COUPLE | pair | 1633.96 | 1550.00 | 1.175 | 1319.15 | 1.0936 | 1442.62 | * |
| 2621 | Connection Block for vision glass panel | each | 40.93 | 39.00 | 1.175 | 33.19 | 1.0936 | 36.30 | * |
| 2622 | Curtain wall striker for vision glass panel | each | 106.83 | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | * |
| 2623 | Adjustable Fastening Pawl for vision glass panel | each | 39.79 | 38.00 | 1.175 | 32.34 | 1.0936 | 35.37 | * |
| 2624 | Corner drive | each | 306.80 | 295.00 | 1.175 | 251.06 | 1.0936 | 274.56 | * |
| 2625 | Top wedge Block | each | 142.04 | 135.00 | 1.175 | 114.89 | 1.0936 | 125.65 | * |
| 2626 | Glass wool Denisity 48 Kg / m3 with Black Glass Tissue (BGT) | sqm | 239.25 | 230.00 | 1.175 | 195.74 | 1.0936 | 214.07 | * |
| 2627 | SS Screws - # 8 x 19 | each | 10.40 | 10.00 | 1.175 | 8.51 | 1.0936 | 9.31 | * |
| 2628 | Weather Sealant - DC 789 | cartridge | 140.43 | 130.00 | 1.175 | 110.64 | 1.0936 | 120.99 | * |
| 2629 | Cement Board | sqm | 260.05 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 2630 | Baiker rod | metre | 5.20 | 5.00 | 1.175 | 4.26 | 1.0936 | 4.65 | * |
| 2631 | 4 mm thick ACP | sqm | 1248.25 | 1000.00 | 1.175 | 851.08 | 1.0936 | 930.72 | * |
| 2632 | Fire Stop | metre | 584.55 | 550.00 | 1.175 | 468.09 | 1.0936 | 511.90 | * |
| 2634 | GI/Aluminium Sheet (0.8 mm thick) | kg | 59.29 | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | * |
| 2635 | GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section | each | | 2.75 | 1.175 | 2.34 | 1.0936 | 2.56 | * |
| 2636 | GI Screws of gauge 10, length 45 mm for fixing cement fibre board to C section | each | | 3.00 | 1.175 | 2.55 | 1.0936 | 2.79 | * |
| 637 | Vapour barrier | sqm | | 170.00 | 1.175 | 144.68 | 1.0936 | 158.22 | * |
| 640 | Clear toughned interlayed,non-wired fire resistant glass panes of minimum 11 mm thickness (120 minutes fire rating) | sqm | | 25000.00 | 1.175 | 21276.60 | 1.0936 | 23268.09 | * |
| 641 | G.I U beading of 1.6 mm thick G.I sheet with ceramic tape. | metre | | 240.00 | 1.175 | 204.26 | 1.0936 | 223.37 | * |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 2642 | Ceramic tape 5 x20 mm size | metre | | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 2704 | Aluminium strip 40 mm wide and 2 mm thick | kilogran | 228.85 | 225.00 | 1.175 | 191.49 | 1.0936 | 209.41 | * |
| 2708 | Turf Paver (500 x 500 x 40 mm) | sqm | 1133.83 | 500.00 | 1.175 | 425.53 | 1.0936 | 465.36 | * |
| 2709 | Ceremic Tiles Pieces for Crazy Flooring | quintal | 140.43 | 135.00 | 1.175 | 114.89 | 1.0936 | 125.65 | * |
| 2710 | White Marble Makrana second quality plain veined stone pieces for crazy flooring | quintal | 145.63 | 147.00 | 1.175 | 125.11 | 1.0936 | 136.82 | * |
| 2711 | FS800H Grade Flooring Panel ( Size 600 mm x600 mm x32 mm) | each | 780.15 | 750.00 | 1.175 | 638.30 | 1.0936 | 698.04 | * |
| 2711' | Sheets Polyvinyl chloride sheet 1.5 mm thick | sqm | 492.61 | | 1.175 | 419.24 | 1.0936 | 458.48 | **** |
| 2712' | Sheets Polyvinyl chloride sheet 2.0 mm thick | sqm | 683.12 | | 1.175 | 581.38 | 1.0936 | 635.80 | **** |
| 2712 | Zinc Electroplated Pedestals - 300 mm | each | 145.63 | 140.00 | 1.175 | 119.15 | 1.0936 | 130.30 | * |
| 2713 | Zinc Electroplated Pedestals - 450 mm | each | 156.03 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 2714 | Zinc Electroplated Tube Stinger | each | 72.81 | 66.00 | 1.175 | 56.17 | 1.0936 | 61.43 | * |
| 2715 | Machine Screw for Fixing | each | 2.08 | 2.00 | 1.175 | 1.70 | 1.0936 | 1.86 | * |
| 2717 | Polyvinyl chloride tiles 1 5mm thick | sqm | 561.89 | | 1.175 | 478.20 | 1.0936 | 522.95 | **** |
| 2718 | Polyvinyl chloride tiles 2.0mm thick | sqm | 673.49 | | 1.175 | 573.18 | 1.0936 | 626.83 | **** |
| 2723 | Adhesive (rubber base) | ilogran | 182.80 | | 1.175 | 155.57 | 1.0936 | 170.14 | **** |
| 2736 | Sheets Rubber tiles plain conforming to IS 809 1.5 mm thick | sqm | 813.96 | | 1.175 | 692.73 | 1.0936 | 757.57 | **** |
| 2737 | Sheets Rubber tiles plain conforming to IS 809 2.0 mm thick | sqm | 940.96 | | 1.175 | 800.82 | 1.0936 | 875.77 | **** |
| 2738 | Sheets Rubber tiles LP stud conforming to IS 809 2.0 mm thick | sqm | 813.96 | | 1.175 | 692.73 | 1.0936 | 757.57 | **** |
| 2739 | Sheets Rubber tiles LP stud conforming to IS 809 3.0 mm thick | sqm | 1393.16 | | 1.175 | 1185.67 | 1.0936 | 1296.65 | **** |
| 2740 | Sheets Rubber tiles LP stud conforming to IS 809 4.0 mm thick | sqm | 1847.28 | | 1.175 | 1572.15 | 1.0936 | 1719.31 | **** |
| 2741 | Sheets Anti static rubber tiles plain/LP stud conforming to BS : 2050 2.00 mm thick | sqm | 1508.62 | | 1.175 | 1283.93 | 1.0936 | 1404.11 | **** |
| 2742 | Sheets. Rubber tiles plain/LP stud in skirting conforming to IS : 809 2.0mm thick | sqm | 592.67 | | 1.175 | 504.40 | 1.0936 | 551.61 | **** |
| 2750 | 8mm thick granite stone tiles (mirror polished of all shades) | sqm | 728.15 | 700.00 | 1.175 | 595.74 | 1.0936 | 651.51 | * |
| 2751 | 8mm thick marble tiles (polished) Raj Nagar | sqm | 374.48 | 378.00 | 1.175 | 321.70 | 1.0936 | 351.81 | * |
| 2901 | Stone Aggregate (Single size) ; 100 mm nominal size | cum | 424.23 | | - | 299.84 | | 299.84 | ** |
| 2902 | Stone Aggregate (Single size) ; 80 mm nominal size | cum | 424.23 | | | 299.84 | | 299.84 | ** |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size | cum | 213.24 | | | 140.08 | | 140.08 | ** |
| 2904 | Stone chippings/ screenings 150 micron nominal size | cum | 201.63 | | | 140.08 | | 140.08 | ** |
| 2908 | Over burnt (Jhama) Brick Aggregate; 120 mm to 40 mm size | cum | 1378.65 | | | 1222.00 | | 1222.00 | ** |
| 2909 | Over burnt (Jhama) Brick Aggregate; 90 mm to 40 mm size | cum | 1378.65 | | | 1222.00 | | 1222.00 | ** |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size | cum | 689.78 | | | 549.26 | | 549.26 | ** |
| 2911 | Stone chips/streining 10/11.2 mm nominal size | cum | 659.07 | | | 520.42 | | 520.42 | ** |
| 2914 | Solvent | kilogram | 26.01 | 25.00 | 1.175 | 21.28 | 1.0936 | 23.27 | * |
| 2916 | Paving Asphalt VG -10 of approved quality | tonne | 41608.33 | 29500.00 | 1.175 | 25191.49 | 1.0936 | 27549.41 | * |
| 3002 | Sheets Polyvinyl chloride sheet 400 micron thick | sqm | 36.41 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | * |
| 3004 | Stoneware spouts 100mm dia 60 cm long | each | 36.41 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | * |
| 4050 | GC Sheet | | | | | | | | |
| 4050A | Galvanised steel corrugated sheets 0,63 mm thick | quintal | 4200.00 | | | 5,576.27 | | 5,576.27 | ** |
| 4050B | Galvanised steel corrugated sheets 0.50 mm thick | quintal | 4379.97 | | | 5,728.81 | | 5,728.81 | ** |
| 4050C | Galvanised steel corrugated sheets 0.40 mm thick | quintal | 3287.40 | | | 7,335.76 | | 7,335.76 | ** |
| 4050D | Galvanised steel corrugated sheets 0.35 mm thick | quintal | 3447.20 | | | 7,548.23 | | 7,548.23 | ** |
| 4050E | Galvanised steel corrugated sheets 0,80 mm thick | quintal | 4200.00 | | | 5,576.27 | | 5,576.27 | ** |
| 4080 | Gunmetal non-return valve-vertical (screwed end) 25 mm dia | each | 374.48 | 350.00 | 1.175 | 297.87 | 1.0936 | 325.75 | * |
| 4084 | Gunmetal non-return valve-vertical (screwed end) 32 mm dia | each | 540.91 | 500.00 | 1.175 | 425.53 | 1.0936 | 465.36 | * |
| 4088 | Gunmetal non-return valve-vertical (screwed end) 40 mm dia | each | 780.15 | 700.00 | 1.175 | 595.74 | 1.0936 | 651.51 | * |
| 4092 | Gunmetal non-return valve-vertical (screwed end) 50 mm dia | each | 1050.61 | 900.00 | 1.175 | 765.96 | 1.0936 | 837.65 | * |
| 4096 | Gunmetal non-return valve-vertical (screwed end) 65 mm dia | each | 1778.75 | 1500.00 | 1.175 | 1276.60 | 1.0936 | 1396.09 | * |

| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 3213 | Vitreous china Surgeon type wash basin of size 660x460 mm | each | 114.22 | 1000.00 | 1.175 | 851.06 | 1.0936 | 930.72 | * |
| 3214 | Aluminium sheet 24 gauge | sqm | 336.75 | | 1.175 | 286.60 | 1.0936 | 313.42 | **** |
| 3226 | 600x120 mm glass shelf with anodised aluminium angle frame, C.P. brass brackets and guard rail of standard size | each | 260.05 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 3229 | Vitreous china flat back wash basin 550x400 mm | each | 572.12 | 550.00 | 1.175 | 468.09 | 1.0936 | 511.90 | * |
| 3300 | Gunmetal non-return valve-vertical (screwed end) 80 mm dia | each | 3006.21 | 2500.00 | 1.175 | 2127.66 | 1.0936 | 2326.81 | * |
| 3311 | C.I.sluice valve (with caps) class II : 100 mm dia | each | 3027.00 | 2700.00 | 1.175 | 2297.87 | 1.0936 | 2512.95 | * |
| 3314 | C.I sluice valve (with caps) class II : 125 mm dia | each | 3640.73 | 3200.00 | 1.175 | 2723.40 | 1.0936 | 2978.31 | * |
| 3317 | C.I.sluice valve (with caps) class II : 150 mm dia | each | 4472.89 | 4000.00 | 1.175 | 3404.26 | 1.0936 | 3722.89 | * |
| 3320 | C.I sluice valve (with caps) class II : 200 mm dia | each | 9580.32 | 8900.00 | 1.175 | 7574.47 | 1.0936 | 8283.44 | * |
| 3321 | C.I sluice valve (with caps) class II : 250 mm dia | each | 15395.08 | 14500.00 | 1.175 | 12340.43 | 1.0936 | 13495.49 | * |
| 3326 | C.I.sluice valve (with caps) class II : 300 mm dia | each | 19243.85 | 18200.00 | 1.175 | 15489.36 | 1.0936 | 16939.17 | * |
| 3327 | 15 mm Battery Based Sensor Pillar Cock | each | 6056.09 | 5800.00 | 1.175 | 4936.17 | 1.0936 | 5398.20 | * |
| 3617 | CP Brass Union 40 mm dia | each | 202.84 | 195.00 | 1.175 | 165.96 | 1.0936 | 181.49 | * |
| 3620 | C.C.I (spun) socketed soil, waste and vent pipe 1.80 metres long :100 mm dia | each | 1300.26 | 1196.00 | 1.175 | 1017.87 | 1.0936 | 1113.15 | * |
| 3621 | C.C.I. (spun) socketed soil, waste and vent pipe 1.80 metres long :75 mm dia | each | 1076.62 | 1035.00 | 1.175 | 880.85 | 1.0936 | 963.30 | * |
| 3624 | S.C.I. S&S bends with access door 100 mm dia | each | 301.66 | 290.00 | 1.175 | 246.81 | 1.0936 | 269.91 | * |
| 3625 | S.C.I. S&S bends with access door 75 mm dia | each | 249.65 | 240.00 | 1.175 | 204.26 | 1.0936 | 223.37 | * |
| 3628 | S.C.I. S&S bend 100 mm dia | each | 275.65 | 265.00 | 1.175 | 225.53 | 1.0936 | 246.64 | * |
| 3629 | S.C.I. S&S bend 75 mm dia | each | 202.84 | 195.00 | 1.175 | 165.96 | 1.0936 | 181.49 | * |
| 3634 | S.C.I. S&S heel rest sanitary bend 100 mm dia | each | 307.90 | 296.00 | 1.175 | 251.91 | 1.0936 | 275.49 | * |
| 3635 | S.C.I. S&S heel rest sanitary bend 75 mm dia | each | 260.05 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 3640 | S.C.I. S&S single equal junctions100x100x100 mm | each | 490.98 | 472.00 | 1.175 | 401.70 | 1.0936 | 439.30 | * |
| 3641 | S.C.I. S&S single equal junctions 75x75x75 mm | each | 343.27 | 330.00 | 1.175 | 280.85 | 1.0936 | 307.14 | * |
| 3644 | S.C.I. S&S single equal junctions with access door 100x100x100 mm | each | 514.91 | 495.00 | 1.175 | 421.28 | 1.0936 | 460.71 | * |
| 3645 | S.C.I. S&S single equal junctions with access door 75x75x75 mm | each | 388.00 | 373.00 | 1.175 | 317.45 | 1.0936 | 347.16 | * |
| 3650 | S.C.I. S&S double equal junctions 100x100x100x100 mm | each | 644.93 | 620.00 | 1.175 | 527.66 | 1.0936 | 577.05 | * |
| 3651 | S.C.I. S&S double equal junctions 75x75x75x75 mm | each | 480.58 | 462.00 | 1.175 | 393.19 | 1.0936 | 429.99 | * |
| 3654 | S.C.I. S&S double equal junctions with access door 100x100x100x100 mm | each | 639.72 | 615.00 | 1.175 | 523.40 | 1.0936 | 572.39 | * |
| 3655 | S.C.I. S&S double equal junctions with access door 75x75x75x75 mm | each | 499.30 | 480.00 | 1.175 | 408.51 | 1.0936 | 446.75 | * |
| 3660 | S.C.I. S&S single unequal junctions 100x100x75 mm | each | 592.92 | 570.00 | 1.175 | 485.11 | 1.0936 | 530.51 | * |
| 3664 | S.C.I. S&S single unequal junctions with access door 100x100x75 mm | each | 665.73 | 640.00 | 1.175 | 544.68 | 1.0936 | 595.66 | * |
| 3670 | S.C.I. S&S double unequal junctions 100x100x75x75 mm | each | 832.17 | 800.00 | 1.175 | 680.85 | 1.0936 | 744.58 | * |
| 3674 | S.C.I. S&S double unequal junctions with access door 100x100x75x75 mm | each | 884.17 | 850.00 | 1.175 | 723.40 | 1.0936 | 791.11 | * |
| 3681 | S.C.I. S&S single equal invert branch of required degree 100x100x75x75 mm dia | each | 442.09 | 425.00 | 1.175 | 361.70 | 1.0936 | 395.56 | * |
| 3682 | S.C.I. S&S single equal invert branch of required degree 75x75x75 mm dia | each | 335.99 | 323.00 | 1.175 | 274.89 | 1.0936 | 300.62 | * |
| 3685 | S.C.I. S&S double equal invert branch of required degree 100x100x100x100 mm dia | each | 551.31 | 530.00 | 1.175 | 451.06 | 1.0936 | 493.28 | * |
| 3686 | S.C.I. S&S double equal invert branch of required degree 75x75x75x75 mm dia | each | 442.09 | 425.00 | 1.175 | 361.70 | 1.0936 | 395.56 | * |
| 3690 | S.C.I. S&S single unequal invert branch of required degree 100x100x75 mm dia | each | 566.91 | 545.00 | 1.175 | 463.83 | 1.0936 | 507.24 | * |
| 3695 | S.C.I. S&S double unequal invert branch of required degree 100x100x75x75 mm dia | each | 754.15 | 725.00 | 1.175 | 617.02 | 1.0936 | 674.77 | * |
| 3699 | S.C.I. S&S, 75 mm offset for 75 mm dia pipe | each | 234.04 | 225.00 | 1.175 | 191.49 | 1.0936 | 209.41 | * |
| 3707 | S.C.I. S&S, 150 mm offset for 75 mm dia pipe | each | 296.46 | 285.00 | 1.175 | 242.55 | 1.0936 | 265.26 | * |
| 3708 | S.C.I. S&S, 150 mm offset for100 mm dia pipe | each | 405.58 | 390.00 | 1.175 | 331.91 | 1.0936 | 362.98 | * |
| 3712 | S.C.I. S&S, 114 mm offset for 75 mm dia pipe | each | 312.07 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 3713 | S.C.I. S&S, 114 mm offset for 100 mm dia pipe | each | 398.40 | 383.00 | 1.175 | 325.96 | 1.0936 | 356.47 | * |
| 3716 | S.C.I. S&S,152 mm offset for 75 mm dia pipe | each | 372.40 | 358.00 | 1.175 | 304.68 | 1.0936 | 333.20 | * |
| 3717 | S.C.I. S&S, 152 mm offset for 100 mm dia pipe | each | 483.70 | 465.00 | 1.175 | 387.23 | 1.0936 | 423.48 | * |
| 3728 | S.C.I. S&S, door pieces 100 mm dia | each | 416.08 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 3729 | S.C.I. S&S, door pieces 75 mm dia | each | 306.86 | 295.00 | 1.175 | 251.06 | 1.0936 | 274.56 | * |
| 3733 | S.C.I. S&S, Slotted Cowl (Terminal Guard) 100 mm | each | 364.07 | 264.00 | 1.175 | 224.68 | 1.0936 | 245.71 | * |
| 3734 | S.C.I. S&S, Slotted Cowl (Terminal Guard) 75 mm | each | 312.07 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 3738 | S.C.I. S&S, Slotted collars 100 mm | each | 260.05 | 279.00 | 1.175 | 237.45 | 1.0936 | 259.67 | * |
| 3739 | S.C.I. S&S, Slotted collars 75mm | each | 176.83 | 170.00 | 1.175 | 144.68 | 1.0936 | 158.22 | * |
| 3746 | S.C.I. S&S, 75 mm offset for 75 mm dia pipe | each | 228.77 | 218.00 | 1.175 | 185.53 | 1.0936 | 202.90 | * |
| 3747 | S.C.I. S&S, 75 mm offset for100 mm dia pipe | each | 377.60 | 363.00 | 1.175 | 308.94 | 1.0936 | 337.85 | * |
| 3749 | Vitreous china toilet paper holder of standard size | each | 156.03 | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | * |
| 3860 | 560 mm dia cover with frame (Heavy duty) | each | 9361.88 | 9000.00 | 1.175 | 7659.57 | 1.0936 | 8376.51 | * |
| 3861 | 561 mm dia cover without frame (Heavy duty) | each | 5201.04 | 5000.00 | 1.175 | 4255.32 | 1.0936 | 4653.62 | * |
| 3991 | Galvanized iron (1.8 ± 0.2 mm) thick reinforcement for small series casement window/door frame, sash, mullion & small series sliding window frame | metre | | 65.00 | 1.175 | 55.32 | 1.0936 | 60.50 | * |
| 3992 | Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window/door frame, sash, mullion, big & small series | metre | | 70.00 | 1.175 | 59.57 | 1.0936 | 65.15 | * |
| 3993 | Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door sash | metre | | 95.00 | 1.175 | 80.85 | 1.0936 | 88.42 | * |
| 3994 | Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window / door sash | metre | | 85.00 | 1.175 | 72.34 | 1.0936 | 79.11 | * |
| 3995 | G.I fasteners 100 x 8 mm | each | | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | * |
| 4001 | Stainless steel (Grade-304)hollow section round/square tubes | kg | 364.07 | 230.00 | 1.175 | 195.74 | 1.0936 | 214.07 | * |
| 4002 | Stainless steel bolts/square bar and plates | kg | 135.22 | 120.00 | 1.175 | 102.13 | 1.0936 | 111.69 | * |
| 4006 | Pressed steel door frames (mild steel sheet 1.25mm) profile 'B' | metre | 228.85 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 4007 | Pressed steel door frames (mild steel sheet 1.25mm) profile 'C | metre | 249.65 | 220.00 | 1.175 | 187.23 | 1.0936 | 204.76 | * |
| 4008 | Pressed steel door frames (mild steel sheet 1.25mm) profile 'E' | metre | 280.85 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 4009 | Mild steel tubes, hot finished welded type | kilogram | 54.09 | 42.00 | 1.175 | 35.74 | 1.0936 | 39.09 | * |
| 4010 | Mild steel tubes, hot finished seamless type | kilogram | 67.62 | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | * |
| 4011 | Mild steel tubes, electric resistant or induction butt welded | kilogram | 72.81 | 60.00 | 1.175 | 51.06 | 1.0936 | 55.84 | * |
| 4012 | Circular C.I. Box for ceiling fan internal dia 140 mm, 73 mm height,toplid of 1.5mm thick MS sheet | each | 62.41 | 55.00 | 1.175 | 46.81 | 1.0936 | 51.19 | * |
| 4013 | Pulleys 40 mm dia | each | 31.20 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 4014 | Steel doors and windows Ready made steel door with necessary hinges, lugs and glazing clips excluding other fittings and their fixing | sqm | 2081.15 | | 1.175 | 1771.19 | 1.0936 | 1936.98 | **** |
| 4201 | Aluminium primer | litre | 104.02 | 88.00 | 1.175 | 74.89 | 1.0936 | 81.90 | * |
| 4202 | Primers Red Oxide Zinc Chromate primer | litre | 72.81 | 65.00 | 1.175 | 55.32 | 1.0936 | 60.50 | * |
| 4203 | Copper Acetate | kilogram | 312.07 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |
| 4204 | Hydrochloric Acid | kilogram | 36.41 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | * |
| 4205 | Copper Chloride | kilogram | 312.07 | 280.00 | 1.175 | 238.30 | 1.0936 | 260.60 | * |
| 4206 | Copper Nitrate | kilogram | 228.85 | 220.00 | 1.175 | 187.23 | 1.0936 | 204.76 | * |
| 4207 | Ammonium Chloride | kilogram | 20.80 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 5001 | Oil / Fuel Mobil oil | litre | 208.04 | 245.00 | 1.175 | 208.51 | 1.0936 | 228.03 | * |
| 5050 | SS pipe 304 grades with press fit technology as per JIS 3448 Standard 48.60 mm outer dia | metre | | 680.00 | 1.175 | 578.72 | 1.0936 | 632.89 | * |
| 5743 | Coloured inter locking C.C. paver Block | sqm | | 500.00 | 1.175 | 425.53 | 1.0936 | 465.36 | * |
| 6001 | White marble slab Makrana second quality plain veined 18mm thick | sqm | 1945.19 | 1500.00 | 1.175 | 1276.60 | 1.0936 | 1396.09 | * |
| 6007 | Pink marble slab plain 18mm thick | sqm | 670.94 | 577.00 | 1.175 | 576.17 | 1.0936 | 630.10 | * |
| 6010 | Udaypur green marble slab plain 18 mm thick | sqm | 717.75 | 650.00 | 1.175 | 553.19 | 1.0936 | 604.97 | * |
| 6019 | Black zebra marble slab plain 18 mm thick | sqm | 520.13 | 500.00 | 1.175 | 425.53 | 1.0936 | 465.36 | * |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 6501 | Local Sand (Fine) | cum | 124.54 | | | 67.66 | | 67.66 | ** |
| 7001 | Brass 100 mm mortice latch & lock with 6 levers with out pair of handles | each | 270.46 | 220.00 | 1.175 | 187.23 | 1.0936 | 204.76 | * |
| 7003 | Pair of Anodised Aluminium lever handles for 100 mm mortice latch and lock | each | 327.67 | 225.00 | 1.175 | 191.49 | 1.0936 | 209.41 | * |
| 7004 | Vitreous china flat back wash basin 450x300 mm | each | 442.09 | 325.00 | 1.175 | 276.60 | 1.0936 | 302.49 | * |
| 7005 | Vitreous china 10 litres low level cistern without fittings | each | 962.19 | 750.00 | 1.175 | 638.30 | 1.0936 | 698.04 | * |
| 7006 | Vitreous china 10 litres low level cistern with fittings | each | 1664.34 | 1300.00 | 1.175 | 1106.38 | 1.0936 | 1209.94 | * |
| 7007 | Fly Ash Bricks as per IS 12894(2002) & IS 3425(I to IV) | per 1000 | 5975.55 | | | 5156.00 | | 5156.00 | ** |
| 7008 | F.P.S (non modular) clay fly ash bricks class designation 7.5 | 1,000nos | 4784.96 | 4000.00 | 1.175 | 3404.26 | 1.0936 | 3722.89 | * |
| 7009 | 12.5 mm thick tapered edge gypsum plain borad | sqm | 208.04 | 160.00 | 1.175 | 136.17 | 1.0936 | 148.92 | * |
| 7010 | Galvanised Steel ceiling section (size 80x26x0.50 mm) | metre | 40.57 | 48.00 | 1.175 | 40.85 | 1.0936 | 44.67 | * |
| 7011 | Galvanised Steel perimetre Channel (Size 20x27x30x0.50 mm) | metre | 28.08 | 23.00 | 1.175 | 19.57 | 1.0936 | 21.41 | * |
| 7012 | Galvanised Steel Intermediate Channel (Size 15x45x15x0.90 mm) | metre | 43.69 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | * |
| 7013 | Galvanised Steel angle hanger (Ceiling angle) (Size 25x10x0.50 mm) | metre | 19.77 | 13.00 | 1.175 | 11.06 | 1.0936 | 12.10 | * |
| 7014 | Galvanised Steel connecting clips (2.64 mm dia and 230 mm long GI wire) | each | 6.45 | 4.00 | 1.175 | 3.40 | 1.0936 | 3.72 | * |
| 7015 | Galvanised Steel soffit cleat (Size 27x37x25x0.60 mm) | each | 4.16 | 3.00 | 1.175 | 2.55 | 1.0936 | 2.79 | * |
| 7016 | Joint filler | kilogram | 22.89 | 27.00 | 1.175 | 22.98 | 1.0936 | 25.13 | * |
| 7017 | Joint finisher | kilogram | 24.96 | 24.00 | 1.175 | 20.43 | 1.0936 | 22.34 | * |
| 7018 | Joint tape roll | roll | 150.83 | 105.00 | 1.175 | 89.36 | 1.0936 | 97.73 | * |
| 7019 | Dash fastner | each | 15.60 | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | * |
| 7020 | All drive screws(for gypsum board ) | 100 Nos. | 62.41 | 60.00 | 1.175 | 51.06 | 1.0936 | 55.84 | * |
| 7021 | Primer (for gypsum board ) | litre | 88.42 | 73.00 | 1.175 | 62.13 | 1.0936 | 67.94 | * |
| 7022 | Chloropyriphos 20 % E.C. Lindane 20% E.C. | litre | 166.44 | 160.00 | 1.175 | 136.17 | 1.0936 | 148.92 | * |
| 7023 | Chromium plated brackets (Curtain rod) | each | 7.28 | 7.00 | 1.175 | 5.96 | 1.0936 | 6.52 | * |
| 7024 | Acid proof cement | tonne | 8477.69 | 8150.00 | 1.175 | 6936.17 | 1.0936 | 7585.40 | * |
| 7025 | Self tapping pan head nickel coated mild steel screws of size 13 x 3.2 mm | 1000 nos. | | 560.00 | 1.175 | 468.09 | 1.0936 | 511.90 | * |
| 7026 | Fibre joint tape 50 mm wide (90 metre) roll | each roll | | 170.00 | 1.175 | 144.68 | 1.0936 | 158.22 | * |
| 7027 | M.S. Butt hinges 125x90x4 mm | ten | 114.42 | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | * |
| 7028 | 12.5 mm thick Fully Perforated gypsum board | sqm | 964.27 | 430.00 | 1.175 | 365.96 | 1.0936 | 400.21 | * |
| 7029 | Galvanised wire mesh of average width of aperture 1.4 mm and rormin31 dia. of wire 0.63 mm | sqm | 260.05 | 260.00 | 1.175 | 221.28 | 1.0936 | 241.99 | * |
| 7030 | 12.5 mm thick tapered edge gypsum fire resistant board | sqm | 246.53 | 255.00 | 1.175 | 217.02 | 1.0936 | 237.33 | * |
| 7031 | 12.5 mm thick tapered edge gypsum moisture rasistant board | sqm | 281.89 | 285.00 | 1.175 | 242.55 | 1.0936 | 265.26 | * |
| 7032 | Frosted glass sheet of nominal thickness 4mm (weighing not less than 10 kg/sqm) | sqm | 348.47 | 350.00 | 1.175 | 297.87 | 1.0936 | 325.75 | * |
| 7033 | Nickle plated M.S. pipe 25 mm dia. | metre | 83.22 | 80.00 | 1.175 | 68.09 | 1.0936 | 74.46 | * |
| 7034 | Nickle plated M.S. pipe 20 mm dia. | metre | 72.81 | 75.00 | 1.175 | 63.83 | 1.0936 | 69.80 | * |
| 7035 | Nickle plated M.S. Brackets for curtain rod 20 mm | each | 7.28 | 7.00 | 1.175 | 5.96 | 1.0936 | 6.52 | * |
| 7038 | Nickle plated M.S. Brackets for curtain rod 25 mm | each | 8.32 | 8.00 | 1.175 | 6.81 | 1.0936 | 7.45 | * |
| 7040 | Oxidised mild steel screws 35 mm | 100 Nos. | 62.01 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 7042 | Mild steel conduit pipe (heavy type) ISI marked-20 mm dia. | metre | 62.41 | 44.00 | 1.175 | 37.45 | 1.0936 | 40.95 | * |
| 7043 | Mild steel conduit pipe (heavy type) ISI marked-25 mm dia. | metre | 72.81 | 56.00 | 1.175 | 47.66 | 1.0936 | 52.12 | * |
| 7044 | Rolling shutters of 80x0.90mm laths | sqm | 1123.43 | 1000.00 | 1.175 | 851.06 | 1.0936 | 930.72 | * |
| 7045 | Rolling shutters of 80x1.2mm laths | sqm | 1196.24 | 1100.00 | 1.175 | 936.17 | 1.0936 | 1023.80 | * |
| 7046 | Top cover of Rolling shutters 0.90mm thick | metre | 332.87 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |
| 7047 | Top cover of Rolling shutters 1.20mm thick | metre | 384.07 | 320.00 | 1.175 | 272.34 | 1.0936 | 297.83 | * |
| 7048 | Rawl plug 50 mm (designation 10 no.) | each | 10.40 | 10.00 | 1.175 | 8.51 | 1.0936 | 9.31 | * |
| 7049 | Teak wood lipping of size 25x3mm in pelmets | metre | 22.89 | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | * |
| 7050 | PU Primer | sqm | 42.65 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | * |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 7051 | 40 mm (average) PU spray having 40-45 kg/m3 density | sqm | 437.93 | 421.00 | 1.175 | 358.30 | 1.0936 | 391.83 | " |
| 7052 | GI wire netting 3/4" x 24 G | sqm | 28.08 | 27.00 | 1.175 | 22.98 | 1.0936 | 25.13 | " |
| 7053 | 400 G polythene sheet | sqm | 15.60 | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | " |
| 7055 | Flat pressed 3 layer and graded particle board (medium density) Grade 1 conforming to IS : 3087 - 18 mm thick | sqm | 436.88 | 440.00 | 1.175 | 374.47 | 1.0936 | 409.52 | " |
| 7056 | Aluminium Tee channal (heavy duty) with rollers and stop end | metre | 52.01 | 52.00 | 1.175 | 44.26 | 1.0936 | 48.40 | " |
| 7059 | Aluminium hanging floor door stopper with twin rubber & stopper | each | 67.62 | 27.00 | 1.175 | 22.98 | 1.0936 | 25.13 | " |
| 7060 | Hydraulic door closer tubular type Aluminium extruded section body - Gazel | each | 873.78 | 281.00 | 1.175 | 239.15 | 1.0936 | 261.53 | " |
| 7063 | Oxidised M.S. casement stay (straight peg type) 300 mm not less than 0.33 kg. | each | 22.89 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | " |
| 7064 | Oxidised M.S. casement stay (straight peg type) 250 mm not less than 0.28 kg. | each | 20.80 | 17.00 | 1.175 | 14.47 | 1.0936 | 15.82 | " |
| 7065 | Oxidised M.S. casement stay (straight peg type) 200 mm not less than 0.24 kg. | each | 18.72 | 14.00 | 1.175 | 11.91 | 1.0936 | 13.03 | " |
|  | Extra for providing grilled rolling shutters with 8mm dia. M.S. | sqm | 280.85 | 270.00 | 1.175 | 229.79 | 1.0936 | 251.30 | " |
| 7068 | Chequerred precast cement concrete tiles 22mm thick using marble chips of size 6mm Light shade using white cement | sqm | 488.90 | 360.00 | 1.175 | 306.38 | 1.0936 | 335.06 | " |
| 7071 | White marble Raj Nagar plain 18 mm thick upto 0.50 sqm area | sqm | 624.12 | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | " |
| 7072 | Wall mounted water closet | each | 4836.97 | 4650.00 | 1.175 | 3957.45 | 1.0936 | 4327.86 | " |
| 7073 | Adjustable Vetrious China Cistern with fittings | each | 2600.52 | 2000.00 | 1.175 | 1702.13 | 1.0936 | 1861.45 | " |
| 7074 | White Vetrious China Waterless Urinal of size 600x330x315 | each | 15603.12 | 10105.00 | 1.175 | 8600.00 | 1.0936 | 9404.96 | " |
| 7075 | Cistern with fittings for Waterless Urinal | each | 3536.70 | 2400.00 | 1.175 | 2042.55 | 1.0936 | 2233.74 | " |
| 7076 | Battery based infrared sensor operated White vitreous urinalof appox size 610x390x370 | each | 14562.92 | 4000.00 | 1.175 | 3404.26 | 1.0936 | 3722.89 | " |
| 7077 | Acid and alkali resistant tiles size 300x300mm 10mm thick | ten | 592.92 | 450.00 | 1.175 | 382.98 | 1.0936 | 418.83 | " |
| 7087 | S.C.I. Tee 150 mm | each | 624.12 | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | " |
| 7090 | Expanded polystyrene type N - Normal | sqm | 135.22 | 130.00 | 1.175 | 110.64 | 1.0936 | 120.99 | " |
| 7091 | Expanded polystyrene type SE | sqm | 161.23 | 155.00 | 1.175 | 131.91 | 1.0936 | 144.26 | " |
| 7095 | Stainless steel kitchen sink - with drain board bowl depth 250 mm | each | 5393.48 | 2600.00 | 1.175 | 2212.77 | 1.0936 | 2419.88 | " |
| 7096 | Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 225 mm. | each | 5149.03 | 2350.00 | 1.175 | 2000.00 | 1.0936 | 2187.20 | " |
| 7097 | Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 200 mm. | each | 4420.89 | 2300.00 | 1.175 | 1957.45 | 1.0936 | 2140.56 | " |
| 7098 | Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth178 mm. | each | 3120.63 | 2250.00 | 1.175 | 1914.89 | 1.0936 | 2094.13 | " |
| 7101 | Stainless steel kitchen sink - without drain board 610x510 mm bowl depth 200 mm | each | 3276.65 | 1500.00 | 1.175 | 1276.60 | 1.0936 | 1396.09 | " |
| 7102 | Stainless steel kitchen sink - without drain board 610x460 mm bowl depth 200 mm | each | 2959.39 | 1250.00 | 1.175 | 1063.83 | 1.0936 | 1163.40 | " |
| 7103 | Stainless steel kitchen sink - without drain board 470x420 mm bowl depth 178 mm | each | 2205.24 | 1100.00 | 1.175 | 936.17 | 1.0936 | 1023.80 | " |
| 7104 | Coloured Orissa pattern W.C. pan 580x440 mm | each | 1373.07 | 980.00 | 1.175 | 834.04 | 1.0936 | 912.11 | " |
| 7105 | Coloured Pedestal type W.C. pan 580x440 mm (European type) | each | 1196.24 | 900.00 | 1.175 | 765.96 | 1.0936 | 837.65 | " |
| 7106 | Coloured Vitreous china 10 lit. low level cistern | each | 1789.16 | 1100.00 | 1.175 | 936.17 | 1.0936 | 1023.80 | " |
| 7107 | Coloured (other than black) solid P.V.C. seat in European W.C. pan | each | 572.12 | 405.00 | 1.175 | 344.68 | 1.0936 | 376.94 | " |
| 7112 | Circular shape 450 mm dia Mirror with Plastic moulded frame | each | 468.09 | 450.00 | 1.175 | 382.98 | 1.0936 | 418.83 | " |
| 7113 | Rectangular shape 453x357 mm Mirror with Plastic moulded frame | each | 312.07 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | " |
| 7114 | Oval shape 450x350 mm (outer dimensions) Mirror with Plasticmoulded frame | each | 364.07 | 350.00 | 1.175 | 297.87 | 1.0936 | 325.75 | " |
| 115 | Rectangular shape 1500x450 mm Mirror with Plastic moulded frame | each | 728.15 | 700.00 | 1.175 | 595.74 | 1.0936 | 651.51 | " |
| 116 | Hard board 6 mm thick | each | 182.04 | 120.00 | 1.175 | 102.13 | 1.0936 | 111.69 | " |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 7117 | Semi Rigid PVC waste pipe for sink and wash basin 32 mm dia with length not less than 700 mm I/c PVC waste fittings | each | 31.20 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 7118 | Semi Rigid PVC waste pipe for sink and wash basin40 mm dia with length not less than 700 mm I/c PVC waste fittings | each | 36.41 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | * |
| 7119 | Flexible (coil shaped) PVC waste pipe for sink and wash basin 32 mm dia with length not less than 700 mm i/c PVC waste fittings | each | 29.13 | 28.00 | 1.175 | 23.83 | 1.0936 | 26.06 | * |
| 7120 | Flexible (coil shaped) PVC waste pipe for sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings | each | 31.20 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 7121 | Bottle Trap | each | | 650.00 | 1.175 | 553.19 | 1.0936 | 604.97 | * |
| 7122 | CP Brass Single lever telephonic wall mixer of approved make | each | | 4000.00 | 1.175 | 3404.26 | 1.0936 | 3722.89 | * |
| 7123 | Coloured High density polyethylene/ poly propylene 10 lit. (full flush) capacity controlled low level flushing cistern with fittings | each | 712.54 | 540.00 | 1.175 | 459.57 | 1.0936 | 502.59 | * |
| 7126 | White Vitreous china 10 lit. (full flush) capacity controlled low levelflushing cistern with all fittings | each | 1014.20 | 800.00 | 1.175 | 680.85 | 1.0936 | 744.58 | * |
| 7127 | Coloured Vitreous china 10 lit. (full flush) capacity controlled low level flushing cistern with all fittings | each | 1560.31 | 1200.00 | 1.175 | 1021.28 | 1.0936 | 1116.87 | * |
| 7128 | S.W. intercepting trap 100 mm dia | each | 197.64 | 190.00 | 1.175 | 161.70 | 1.0936 | 176.84 | * |
| 7129 | S.W. intercepting trap 150 mm dia | each | 260.05 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 7130 | Rectangular shape 600x 450 mm precast R.C.C. manhole cover with frame - L.D. - 25 | each | 780.15 | 700.00 | 1.175 | 595.74 | 1.0936 | 651.51 | * |
| 7131 | Square shape 450x450 mm precast R.C.C. manhole cover with frame - L.D. - 25 | each | 676.14 | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | * |
| 7132 | Circular shape 450 mm dia precast R.C.C. manhole cover with frame - L.D. - 25 | each | 624.12 | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | * |
| 7133 | Rectangular shape 500x500 mm precast R.C.C. manhole cover with frame - M.D. - 10 | each | 728.15 | 700.00 | 1.175 | 595.74 | 1.0936 | 651.51 | * |
| 7134 | Circular shape 500 mm dia precast R.C.C. manhole cover with frame - M.D. - 10 | each | 686.54 | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | * |
| 7135 | Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20 | each | 1144.22 | 920.00 | 1.175 | 782.98 | 1.0936 | 856.27 | * |
| 7136 | Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 35 | each | 1274.25 | 1225.00 | 1.175 | 1042.55 | 1.0936 | 1140.14 | * |
| 7137 | Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS I S : 1995 and panels of 12 mm thick plain Type I, medium density flat pressed three l?ver, graded particle board (FPT-I) as per I S:3087-1985 bonded with BWP type synthetic resin adhesive, as per IS : 848-1974 | sqm | 1924.39 | 1700.00 | 1.175 | 1446.81 | 1.0936 | 1582.23 | * |
| 7139 | Factory made 35 mm thick shutters with lamineted veneer lumber styles rails as per TADS IS : 1995 and panels of 12 mm thick both sides prelaminated Type -1, medium density flat pressed three layer, graded particle board (FPT-I) IS: 3087 marked bonded with BWP type synthetic resin adhesive as per IS : 848-1974 . | sqm | 2111.63 | 1800.00 | 1.175 | 1531.91 | 1.0936 | 1675.30 | * |
| 7143 | 12 mm thick one side prelaminated Type - I, other side balancing lamination, medium density, flat pressed three layer, graded particle board (FPT-I) as per IS : 3087, bonded with BWP type synthetic resin as per IS : 848-1974 35 mm thick shutters | sqm | 2028.41 | 2000.00 | 1.175 | 1702.13 | 1.0936 | 1861.45 | * |
| 7151 | Sheet glass using 10 kg I sqm glass panes 30 mm thick shutters | sqm | 1716.34 | 1700.00 | 1.175 | 1446.81 | 1.0936 | 1582.23 | * |
| 7154 | Using galvanised wire gauge with average width of aperture 1.4 mm on both direction with wire of dia. 0.63 mm 35 mm thick shutters | sqm | 1695.54 | 1700.00 | 1.175 | 1446.81 | 1.0936 | 1582.23 | * |
| 7155 | Using galvanised wire gauge with average width of aperture 1.4 mm on both direction with wire of dia. 0.63 mm 30 mm thick shutters | sqm | 1508.30 | 1500.00 | 1.175 | 1276.60 | 1.0936 | 1396.09 | * |
| 7157 | Using galvanised wire gauge with average width of aperture 1.4 [Tlam on both direction with wire of dia. 0.63 mm Laminated veneer lumber conforming to TAOS 15 : 1995 manufactured in factory in frames of door, windows | 10 cudm | 738.55 | 730.00 | 1.176 | 621.28 | 1.0936 | 679.43 | * |
| 7178 | Chemical ASTMC-type I | kg | 114.42 | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | * |
| 7181 | C.I . pile shoe | kilogram | 52.01 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 7182 | M.S. clamps for pile shoe | kilogram | 46.81 | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | * |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 7183 | Bentonite | tonne | 3224.65 | 3100.00 | 1.175 | 2638.30 | 1.0936 | 2885.24 | * |
| 7184 | Oxidised M.S. safety chain (weighing not less than 450 gms) for each door | each | 62.41 | 60.00 | 1.175 | 51.06 | 1.0936 | 55.84 | * |
| 7187 | C.I. grating 150 mm dia. (Weighing not less than 440 gm) | each | 26.01 | 28.00 | 1.175 | 23.83 | 1.0936 | 26.06 | * |
| 7188 | U-PVC pipes (working pressure 4 kg/cm$^2$) Single socketed ipe 75 mm dia | metre | 69.69 | 72.00 | 1.175 | 61.28 | 1.0936 | 67.01 | * |
| 7189 | U-PVC pipes (working pressure 4 kg/cm$^2$) Single socketed ipe 110 mm dia | metre | 134.19 | 135.00 | 1.175 | 114.89 | 1.0936 | 125.65 | * |
| 7190 | U-PVC pipes (working pressure 4 kg/cm$^2$) Rubber (Seal) Ring 75 mm dia . | metre | 16.65 | 8.00 | 1.175 | 6.81 | 1.0936 | 7.45 | * |
| 7191 | U-PVC pipes (working pressure 4 kg/cm$^2$) Rubber (Seal ) Ring 110 mm dia | metre | 20.80 | 12.00 | 1.175 | 10.21 | 1.0936 | 11.17 | * |
| 7192 | UPVC coupler for UPVC drainage pipes 75 mm | each | 35.37 | 19.00 | 1.175 | 16.17 | 1.0936 | 17.68 | * |
| 7193 | UPVC coupler for UPVC drainage pipes 110 mm | each | 54.09 | 41.00 | 1.175 | 34.89 | 1.0936 | 38.16 | * |
| 7194 | UPVC pushfit coupler (single) 75 mm thick | each | 52.01 | 19.00 | 1.175 | 16.17 | 1.0936 | 17.68 | * |
| 7195 | UPVC pushfit coupler (single) 110 mm thick | each | 84.25 | 34.00 | 1.175 | 28.94 | 1.0936 | 31.64 | * |
| 7196 | UPVC single equal Tee ( with door) 75x75x75 mm | each | 98.82 | 48.00 | 1.175 | 40.85 | 1.0936 | 44.67 | * |
| 7197 | UPVC single equal Tee (with door) 110x110x110 mm | each | 133.15 | 85.00 | 1.175 | 72.34 | 1.0936 | 79.11 | * |
| 7198 | UPVC single equal Tee ( with door) 75x75x75 mm | each | 119.62 | 62.00 | 1.175 | 52.77 | 1.0936 | 57.70 | * |
| 7199 | UPVC single equal Tee ( with door) 110x110x110 mm | ecch | 187.24 | 97.00 | 1.175 | 82.55 | 1.0936 | 90.28 | * |
| 7208 | UPVC bend 87.50 75 mm bend | each | 58.26 | 37.00 | 1.175 | 31.49 | 1.0936 | 34.44 | * |
| 7209 | UPVC bend 87.50 110 mm bend | each | 98.82 | 62.00 | 1.175 | 52.77 | 1.0936 | 57.70 | * |
| 7212 | UPVC plain shoe 75 mm | each | 111.30 | 28.00 | 1.175 | 23.83 | 1.0936 | 26.06 | * |
| 7213 | UPVC plain shoe 110 mm | each | 215.32 | 49.00 | 1.175 | 41.70 | 1.0936 | 45.61 | * |
| 7214 | UPVC pipe clip 75 mm bend | each | 16.65 | 16.00 | 1.175 | 13.62 | 1.0936 | 14.89 | * |
| 7215 | UPVC pipe clip 110 mm bend | each | 32.25 | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | * |
| 7231 | Resin Bonded Glass wool 16 kg/m3, 50mm thick | sqm | 150.83 | 105.00 | 1.175 | 89.36 | 1.0936 | 97.73 | * |
| 7232 | Resin Bonded Glass wool 24 kg/m3, 50mm thick | sqm | 212.20 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 7233 | Bitumen felt fibre base (vegetable or animal) Fibre glass tissue reinforced bitumen Felt Type 2 grade I conforming to IS : 7193 | sqm | 74.89 | 86.00 | 1.175 | 73.19 | 1.0936 | 80.04 | * |
| 7236 | Precast chequered cement tiles 22mm thick dark shade using ordinary cement | sqm | 239.25 | 235.00 | 1.175 | 200.00 | 1.0936 | 218.72 | * |
| 7237 | Precast chequered cement tiles 22mm thick medium shade using 50% white cement, 50% ordinary cement | sqm | 384.88 | 350.00 | 1.175 | 297.87 | 1.0936 | 325.75 | * |
| 7238 | High Albedo paint | kg | 255.89 | 240.00 | 1.27 | 188.98 | 1.0936 | 206.66 | * |
| 7239 | Epoxy paint | litre | 260.05 | 240.00 | 1.27 | 188.98 | 1.0936 | 206.66 | * |
| 7240 | Fire retardant paint | litre | 270.45 | 269.00 | 1.27 | 211.81 | 1.0936 | 231.64 | * |
| 7241 | Melamine polish | litre | 312.07 | 290.00 | 1.175 | 246.81 | 1.0936 | 269.91 | * |
| 7244 | Table rubbed polished stone 18mm thick (75x50 cm) Agaria marble stone - 18 mm thick | sqm | 1820.36 | 1700.00 | 1.175 | 1446.81 | 1.0936 | 1582.23 | * |
| 7245 | Table rubbed polished stone 18mm thick (75x50 cm) Granite stone 18 mm thick | sqm | 1872.38 | 1700.00 | 1.175 | 1446.81 | 1.0936 | 1582.23 | * |
| 7246 | Vertical load testing (INITIAL) of piles in accordance with IS : 2911 (part-IV) including installation of loading platform and prepration of piles head or construction of test cap and dismantling of test cap after test etc. complete as per specification & Upto 50 tonne capacity pile | per test | 34534.91 | 33200.00 | 1.175 | 28255.32 | 1.0936 | 30900.02 | * |
| 7247 | Vertical load testing ( NITIAL) of piles in accordance with IS : 2911 (part-IV) including installation of loading platform and prepration of piles head or construction of test cap and dismantling of test cap after test etc. complete as per specification & Above 50 tonne & upto 100 tonne capacity pile: | per test | 41920.33 | 40300.00 | 1.175 | 34297.87 | 1.0936 | 37508.15 | * |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 7248 | Verticle load testing (INITIAL) of piles in accordance with IS : 2911 (part-IV) including installation of loading platform and prepration of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification % Group of two more piles Upto 50 tonne capacity piles. | per test | 50450.09 | 48500.00 | 1.175 | 41276.60 | 1.0936 | 45140.09 | * |
| 7249 | Cyclic vertical load testing of piles in accordance with IS: 2911 IV part including preparation of pile head etc. for Single piles Upto 50 tonne capacity tonne | per test | 15603.12 | 15000.00 | 1.175 | 12765.96 | 1.0936 | 13960.85 | * |
| 7250 | Cyclic vertical load testing of piles in accordance with IS: 2911 IV part including preparation of pile head etc. for Single piles Above 50 tonne capacity pile and upto 100 tonne capacity piles | per test | 23924.78 | 23000.00 | 1.175 | 19574.47 | 1.0936 | 21406.64 | * |
| 7251 | Cyclic vertical load testing of piles in accordance with IS : 2911 Part- IV) including preparation of pile head etc. for Group of two piles up to 50 tonne capacity each | per test | 30686.14 | 29500.00 | 1.175 | 25106.38 | 1.0936 | 27456.34 | * |
| 7252 | Lateral load testing of single pile in accordance with IS: 2911 Part - IV for determining safe allowable lateral load on pile. Upto 50 tonne capacity pile | per test | 15603.12 | 15000.00 | 1.175 | 12765.96 | 1.0936 | 13960.85 | * |
| 7253 | Lateral load testing of single pile in accordance with IS: 2911 Part - IV for determining safe allowable lateral load on pile. Above 50 tonne capacity pile and upto 100 tonne capacity piles | per test | 24548.91 | 23600.00 | 1.175 | 20085.11 | 1.0936 | 21965.07 | * |
| 7254 | Hard crete compound | litre | 41.61 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | * |
| 7255 | Road marking paint (spirit based) | litre | 124.83 | 120.00 | 1.27 | 94.49 | 1.0936 | 103.33 | * |
| 7256 | Superior quality road marking paint | litre | 176.83 | 140.00 | 1.27 | 110.24 | 1.0936 | 120.55 | * |
| 7257 | C.P. Brass bibcock 15 mm | each | 390.08 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |
| 7258 | C.P. Brass long nose bibcock 15 mm | each | 683.42 | 450.00 | 1.175 | 382.98 | 1.0936 | 418.83 | * |
| 7259 | C.P. Brass long body bibcock 15 mm | each | 521.15 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 7260 | C.P. Brass stop cock (concealed) 15 mm | each | 533.63 | 450.00 | 1.175 | 382.98 | 1.0936 | 418.83 | * |
| 7261 | C.P. Brass angle valve 15 mm | each | 433.76 | 390.00 | 1.175 | 331.91 | 1.0936 | 362.98 | * |
| 7266 | Pressed clay tiles | 1000 nos. | 12638.53 | 9000.00 | 1.175 | 7659.57 | 1.0936 | 8376.51 | * |
| 7267 | Plain ceiling tiles (BWP type phenol formal dehyde synthetic resin bonded) (600x600x12mm) | each | 124.83 | 120.00 | 1.175 | 102.13 | 1.0936 | 111.69 | * |
| 7268 | Semi perforated ceiling tiles (600x600x12mm) | each | 124.83 | 112.00 | 1.175 | 95.32 | 1.0936 | 104.24 | * |
| 7269 | 25 mm thick particle board | sqm | 499.30 | 480.00 | 1.175 | 408.51 | 1.0936 | 446.75 | * |
| 7270 | 30mm thick pre laminated flush door shutter | sqm | 884.17 | 850.00 | 1.175 | 723.40 | 1.0936 | 791.11 | * |
| 7271 | IInd class teak wood lipping 25mm wide x 12mm thick | metre | 41.61 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 7272 | 25 mm thick melamine faced prelaminated three layer particle board | sqm | 977.80 | 940.00 | 1.175 | 800.00 | 1.0936 | 874.88 | * |
| 7273 | Resin Bonded Rockwool 48 kg/m3 | sqm | 219.49 | 125.00 | 1.175 | 106.38 | 1.0936 | 116.34 | * |
| 7274 | Glass wool 50 mm thick | sqm | | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | |
| 7280 | Waste plastic additive | tonne | 41608.33 | 40000.00 | 1.175 | 34042.55 | 1.0936 | 37228.94 | * |
| 7281 | Chemical ASTMC-type II | kg | 176.83 | 170.00 | 1.175 | 144.68 | 1.0936 | 158.22 | * |
| 7295 | Granite of any colour, 18 mm thick (slab area upto 0.50 sqm) | sqm | 1976.39 | 1750.00 | 1.175 | 1489.36 | 1.0936 | 1628.77 | * |
| 7296 | Granite of any colour, 30 mm thick (slab area upto 0.50 sqm) | sqm | 2392.48 | 2000.00 | 1.175 | 1702.13 | 1.0936 | 1861.45 | * |
| 7297 | Granite of any colour,18 mm thick (slab area above 0.50sqm) | sqm | 2080.41 | 1800.00 | 1.175 | 1531.91 | 1.0936 | 1675.30 | * |
| 7306 | Aluminium T or L sections | kilogram | 208.04 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 7307 | For flush door shutters Extra for providing teak veneering on one side inside of commercial veneering | sqm | 353.68 | 340.00 | 1.175 | 289.36 | 1.0936 | 316.45 | * |
| 7309 | Paving Asphalt of grade VG-30 of approved quality | tonne | 42648.53 | 30516.00 | 1.175 | 25971.06 | 1.0936 | 28401.95 | * |
| 7312 | Expandable fastner with plastic sleeve and M.S. screws. 25 mm long | each | 10.40 | 10.00 | 1.175 | 8.51 | 1.0936 | 9.31 | * |
| 7313 | Expandable fastner with plastic sleeve and M.S. screws. 32 long | mm each | 11.44 | 11.00 | 1.175 | 9.36 | 1.0936 | 10.24 | * |
| 7314 | Expandable fastner with plastic sleeve and M.S. screws. 40 long | mm each | 14.56 | 14.00 | 1.175 | 11.91 | 1.0936 | 13.03 | * |
| 7315 | Expandable fastner with plastic sleeve and M.S. screws. 50 long | mm each | 15.60 | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | * |

| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 7318 | Plasticizer/super plasticizer | kilogram | 39.53 | 38.00 | 1.175 | 32.34 | 1.0936 | 35.37 | * |
| 7319 | Wall form panel 1250X500mm | each | 1092.22 | 900.00 | 1.175 | 765.96 | 1.0936 | 837.65 | * |
| 7320 | Tie bolt 12mm dia 100 mm length | each | 52.01 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | * |
| 7321 | Tie bolt 12mm dia 150 mm length | each | 62.41 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 7322 | Tie bolt 20mm dia 150 mm length | each | 78.01 | 60.00 | 1.175 | 51.06 | 1.0936 | 55.84 | * |
| 7323 | Tie bolt 20mm dia 225 mm length | each | 93.62 | 70.00 | 1.175 | 59.57 | 1.0936 | 65.15 | * |
| 7324 | Spring coil 12mm | each | 16.65 | 16.00 | 1.175 | 13.62 | 1.0936 | 14.89 | * |
| 7325 | Plastic cone 12mm dia | each | 18.72 | 18.00 | 1.175 | 15.32 | 1.0936 | 16.75 | * |
| 7326 | Corner angle 45x45x5mm 1.50 m long | each | 312.07 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 7327 | 100mm channel shoulder 2.5 m long | each | 1206.64 | 950.00 | 1.175 | 808.51 | 1.0936 | 884.19 | * |
| 7328 | Double clip (bridge clip) | each | 100.90 | 80.00 | 1.175 | 68.09 | 1.0936 | 74.46 | * |
| 7329 | Single clip | each | 80.10 | 62.00 | 1.175 | 52.77 | 1.0936 | 57.70 | * |
| 7330 | M.S. tube 40mm dia | metre | 291.26 | 225.00 | 1.175 | 191.49 | 1.0936 | 209.41 | * |
| 7331 | Wall form panel 1250x450mm | each | 1081.82 | 900.00 | 1.175 | 765.96 | 1.0936 | 837.65 | * |
| 7332 | Corner angle 45x45x5 mm 2.50 m long | each | 353.68 | 265.00 | 1.175 | 225.53 | 1.0936 | 246.64 | * |
| 7333 | Column clamp 450x1070 mm | each | 1269.05 | 1010.00 | 1.175 | 859.57 | 1.0936 | 940.03 | * |
| 7334 | Prop 2 m ( 2-3.5m) | each | 863.37 | 655.00 | 1.175 | 565.96 | 1.0936 | 618.93 | * |
| 7335 | Binding wire | kilogram | 55.13 | 48.00 | 1.175 | 40.85 | 1.0936 | 44.67 | * |
| 7338 | Gun metal cramp | kilogram | 343.27 | 330.00 | 1.175 | 280.85 | 1.0936 | 307.14 | * |
| 7339 | Stainless steel cramp | kilogram | 353.68 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |
| 7340 | Stainless steel pin. | kg | 197.64 | 190.00 | 1.175 | 161.70 | 1.0936 | 176.84 | * |
| 7342 | Adjustable span ESQ+SI (2.35-3.40) | each | 1976.39 | 1550.00 | 1.175 | 1319.15 | 1.0936 | 1442.62 | * |
| 7343 | Adjustable telescopic prop 3 m (2.00-3.75 m) | each | 1248.25 | 1000.00 | 1.175 | 851.06 | 1.0936 | 930.72 | * |
| 7344 | Beam clamp 300-380mm (450-1070mm) | each set | 438.97 | 370.00 | 1.175 | 314.89 | 1.0936 | 344.37 | * |
| 7345 | Prop 4m | each | 1217.04 | 950.00 | 1.175 | 808.51 | 1.0936 | 884.19 | * |
| 7346 | Double coupler | each | 57.21 | 48.00 | 1.175 | 40.85 | 1.0936 | 44.67 | * |
| 7347 | Cadmium plated full threaded steel screws (30x4 mm dia.) | 100 Nos. | 29.13 | 28.00 | 1.175 | 23.83 | 1.0936 | 26.06 | * |
| 7348 | Aluminium Washer 2 mm thick 15 mm dia | 100 Nos. | 10.40 | 10.00 | 1.175 | 8.51 | 1.0936 | 9.31 | * |
| 7349 | 12mm M.S. 'U' beading | metre | 15.60 | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | * |
| 7350 | M .S tower bolt bright finished / black stone enamelled 250x10 mm | each | 34.05 | | 1.175 | 28.98 | 1.0936 | 31.69 | **** |
| 7353 | M .S tower bolt bright finished / black stone enamelled 100x10 mm | each | 23.68 | | 1.175 | 20.15 | 1.0936 | 22.04 | **** |
| 7354 | Plastic encapsulated M.S. foot rest 30x20x15 cm | each | 119.62 | 115.00 | 1.175 | 97.87 | 1.0936 | 107.03 | * |
| 7358 | Flushing Cistern P.V.C. 10 lits capacity ( low level ) (White) ( with fittings, accessories and flush pipe) | each | 665.73 | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | * |
| 7359 | P.V.C. automatic flushing cistern 5 lits capacity | each | 509.70 | 490.00 | 1.175 | 417.02 | 1.0936 | 456.05 | * |
| 7361 | P.V.C. automatic flushing cistern 10 lits capacity | each | 551.31 | 530.00 | 1.175 | 451.06 | 1.0936 | 493.28 | * |
| 7363 | 15 mm C.P. brass tap with elbow operation lever | each | 728.15 | 450.00 | 1.175 | 382.98 | 1.0936 | 418.83 | * |
| 7364 | White glazed fire clay draining board 600x450x25 mm | each | 572.12 | 550.00 | 1.175 | 468.09 | 1.0936 | 511.90 | * |
| 7366 | Glass reinforced Gypsum ( GRG) board 12.5 mm thick | sqm | 249.65 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 7367 | Galvanised M.S. sheet 0.50mm thick pressed channel section of size 50x32mm | metre | 62.41 | 60.00 | 1.175 | 51.06 | 1.0936 | 55.84 | * |
| 7369 | Galvanised M.S. sheet 0.50mm thick pressed stud 48x34x38mm | metre | 78.01 | 75.00 | 1.175 | 63.83 | 1.0936 | 69.80 | * |
| 7375 | G. I. flush pipe and C.P. brass spreader including C.P. connecting pipe Single lipped urinal | each | 483.70 | 465.00 | 1.175 | 395.74 | 1.0936 | 432.79 | * |
| 7376 | G. I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of two lipped urinals | each | 1092.22 | 800.00 | 1.175 | 680.85 | 1.0936 | 744.58 | * |
| 7377 | G. I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of three lipped urinals | each | 1300.26 | 1100.00 | 1.175 | 936.17 | 1.0936 | 1023.80 | * |
| 7378 | G. I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of four lipped urinals | each | 1976.39 | 1500.00 | 1.175 | 1276.60 | 1.0936 | 1396.09 | * |

| cdd No | Description | Unit | Present Approved rate | Rate as per DSR-2015 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 7379 | White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x375x350 mm with waste fittings as per IS : 2556 | each | 1664.34 | 907.00 | 1.175 | 771.91 | 1.0936 | 844.17 | * |
| 7380 | Precast R.C.C. grating with frame 500x450 mm horizontal grating | each | 673.14 | 650.00 | 1.175 | 553.19 | 1.0936 | 604.97 | * |
| 7381 | Precast R.C.C. grating with frame 450x100 mm vertical grating | each | 338.06 | 245.00 | 1.175 | 208.51 | 1.0936 | 228.03 | * |
| 7382 | Bitumen emulsion rapid setting (R.S.) confirming to IS : 8887 | each | 30998.20 | 25425.00 | 1.175 | 21638.30 | 1.0936 | 23663.64 | * |
| 7383 | 12 mm dia 50 mm long wedge type expanded zinc alloy dash fastener | each | | 7.00 | 1.175 | 5.96 | 1.0936 | 6.52 | |
| 7385 | 3 mm thick translucent white acrylic plastic sheet | sqm | 592.92 | 570.00 | 1.175 | 485.11 | 1.0936 | 530.51 | * |
| 7386 | 12 thick particle board ceiling tile | sqm | 270.46 | 112.00 | 1.175 | 95.32 | 1.0936 | 104.24 | * |
| 7387 | Spigot for standard jointing | | 46.81 | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | * |
| 7388 | Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt | each | 52.01 | 12.00 | 1.175 | 10.21 | 1.0936 | 11.17 | * |
| 7389 | Anodising 15 microns on aluminium sections | kilogram | 41.61 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | * |
| 7390 | Neoprene / EPDM rubber gasket | meter | 26.01 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 7391 | Anodising 25 microns onaluminiu sections | kg | 52.01 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 7392 | Power coating 50 microns on aluminium sections | kg | 66.57 | 64.00 | 1.175 | 54.47 | 1.0936 | 59.57 | * |
| 7393 | Polyster powder coating 50 microns on aluminium sections | kg | 72.81 | 70.00 | 1.175 | 59.57 | 1.0936 | 65.15 | * |
| 7394 | Double action hydraulic floor spring with stainless steel cover plate | each | 1612.32 | 1550.00 | 1.175 | 1319.15 | 1.0936 | 1442.62 | * |
| 7395 | 6 mm dia M.S. adjustable hangers including clips (upto 1.2 m length) | each | 29.13 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 7396 | Double action hydraulic floor spring with brass cover plate | each | 1768.36 | 1700.00 | 1.175 | 1446.81 | 1.0936 | 1582.23 | * |
| 7397 | Base Jack | each | 187.24 | 160.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 7398 | Challies | each | 832.17 | 800.00 | 1.175 | 680.85 | 1.0936 | 744.58 | * |
| 7399 | cup locks | each | 83.22 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 7400 | 15 mm PTMT bib cock | each | 104.02 | 75.00 | 1.175 | 63.83 | 1.0936 | 69.80 | * |
| 7401 | 15 mm PTMT bib cock with flange (fancy) | each | 145.63 | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | * |
| 7402 | 15 mm PTMT bib cock long body with flange | each | 166.44 | 122.00 | 1.175 | 103.83 | 1.0936 | 113.55 | * |
| 7403 | 15 mm dia PTMT stop cock(male thread) | each | 104.02 | 75.00 | 1.175 | 63.83 | 1.0936 | 69.80 | * |
| 7405 | 20 mm dia. PTMT stop cock | each | 135.22 | 102.00 | 1.175 | 86.81 | 1.0936 | 94.93 | * |
| 7406 | PTMT pillar cock | each | 166.44 | 129.00 | 1.175 | 109.79 | 1.0936 | 120.06 | * |
| 7407 | PTMT push cock 15 mm dia | each | 93.62 | 65.00 | 1.175 | 55.32 | 1.0936 | 60.50 | * |
| 7408 | PTMT push cock 12 mm dia 20 mm BSP | each | 83.22 | 60.00 | 1.175 | 51.06 | 1.0936 | 55.84 | * |
| 7409 | PTMT grating 100 mm dia | each | 32.25 | 21.00 | 1.175 | 17.87 | 1.0936 | 19.55 | * |
| 7410 | PTMT Pillar cock (fancy) 15mm foam flow | each | 234.04 | 144.00 | 1.175 | 122.55 | 1.0936 | 134.02 | * |
| 7411 | 125 mm grating with waste hole | each | 43.69 | 32.00 | 1.175 | 27.23 | 1.0936 | 29.78 | * |
| 7412 | Rectangular type with openable circular lid 150 mm size 18 mm high with 100 mm dia (110 gm) | each | 126.91 | 122.00 | 1.175 | 103.83 | 1.0936 | 113.55 | * |
| 7415 | Double acting air valve 50 mm | each | 4160.83 | 3900.00 | 1.175 | 3319.15 | 1.0936 | 3629.82 | * |
| 7416 | Double acting air valve 80 mm | each | 5409.08 | 4750.00 | 1.175 | 4042.55 | 1.0936 | 4420.94 | * |
| 7417 | Double acting air valve 100 mm | each | 7073.42 | 6200.00 | 1.175 | 5276.60 | 1.0936 | 5770.49 | * |
| 7418 | Water meter (including testing charges) 80 mm | each | 2215.65 | 2130.00 | 1.175 | 1812.77 | 1.0936 | 1982.44 | * |
| 7419 | Water meter (including testing charges) 100 mm | each | 3432.68 | 3300.00 | 1.175 | 2808.51 | 1.0936 | 3071.39 | * |
| 7420 | Water meter (including testing charges) 150 mm | each | 5201.04 | 5000.00 | 1.175 | 4255.32 | 1.0936 | 4653.62 | * |
| 7421 | Water meter (including testing charges) 200 mm | each | 5617.13 | 5400.00 | 1.175 | 4595.74 | 1.0936 | 5025.91 | * |
| 7422 | Dirt box strainer 80 mm | each | 2922.99 | 2810.00 | 1.175 | 2391.49 | 1.0936 | 2615.33 | * |
| 7423 | Dirt box strainer 100 mm | each | 4764.18 | 4580.00 | 1.175 | 3897.87 | 1.0936 | 4262.71 | * |
| 7424 | Dirt box strainer 150 mm | each | 6043.60 | 5810.00 | 1.175 | 4944.68 | 1.0936 | 5407.50 | * |
| 7425 | Dirt box strainer 200 mm | each | 8581.72 | 8250.00 | 1.175 | 7021.28 | 1.0936 | 7678.47 | * |
| 7426 | Cat's eye | each | 187.24 | 105.00 | 1.175 | 89.36 | 1.0936 | 97.73 | * |

| SOR No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due Increase in WPI from April 2016 to June 2018[1+(119.2-109.0)/109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 7379 | White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x375x350 mm with waste fittings as per IS : 2556 | each | 1654.34 | 907.00 | 1.175 | 771.91 | 1.0936 | 844.17 | * |
| 7380 | Precast R.C.C. grating with frame 500x450 mm horizontal grating | each | 675.14 | 650.00 | 1.175 | 553.19 | 1.0936 | 604.97 | * |
| 7381 | Precast R.C.C. grating with frame 450x100 mm vertical grating | each | 338.06 | 245.00 | 1.175 | 208.51 | 1.0936 | 228.03 | * |
| 7382 | Bitumen emulsion rapid setting (R.S.) confirming to IS : 8887 | each | 30998.20 | 25425.00 | 1.175 | 21638.30 | 1.0936 | 23663.64 | * |
| 7383 | 12 mm dia 50 mm long wedge type expanded zinc alloy dash fastener | each | | 7.00 | 1.175 | 5.96 | 1.0936 | 6.52 | |
| 7385 | 3 mm thick translucent white acrylic plastic sheet | sqm | 592.92 | 570.00 | 1.175 | 485.11 | 1.0936 | 530.51 | * |
| 7386 | 12 thick particle board ceiling tile | sqm | 270.46 | 112.00 | 1.175 | 95.32 | 1.0936 | 104.24 | * |
| 7387 | Spigot for standard jointing | | 46.81 | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | * |
| 7388 | Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt | each | 52.01 | 12.00 | 1.175 | 10.21 | 1.0936 | 11.17 | * |
| 7389 | Anodising 15 microns on aluminium sections | kilogram | 41.61 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | * |
| 7390 | Neoprene / EPDM rubber gasket | meter | 26.01 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 7391 | Anodising 25 microns onaluminiu sections | kg | 52.01 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 7392 | Power coating 50 microns on aluminium sections | kg | 66.57 | 64.00 | 1.175 | 54.47 | 1.0936 | 59.57 | * |
| 7393 | Polyster powder coating 50 microns on aluminium sections | kg | 72.81 | 70.00 | 1.175 | 59.57 | 1.0936 | 65.15 | * |
| 7394 | Double action hydraulic floor spring with stainless steel cover plate | each | 1612.32 | 1550.00 | 1.175 | 1319.15 | 1.0936 | 1442.62 | * |
| 7395 | 6 mm dia M.S. adjustable hangers including clips (upto 1.2 m length) | each | 29.13 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 7396 | Double action hydraulic floor spring with brass cover plate | each | 1768.36 | 1700.00 | 1.175 | 1446.81 | 1.0936 | 1582.23 | * |
| 7397 | Base Jack | each | 187.24 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 7398 | Challies | each | 832.17 | 800.00 | 1.175 | 680.85 | 1.0936 | 744.58 | * |
| 7399 | cup locks | each | 83.22 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 7400 | 15 mm PTMT bib cock | each | 104.02 | 75.00 | 1.175 | 63.83 | 1.0936 | 69.80 | * |
| 7401 | 15 mm PTMT bib cock with flange (fancy) | each | 145.63 | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | * |
| 7402 | 15 mm PTMT bib cock long body with flange | each | 166.44 | 122.00 | 1.175 | 103.83 | 1.0936 | 113.55 | * |
| 7403 | 15 mm dia PTMT stop cock(male thread) | each | 104.02 | 75.00 | 1.175 | 63.83 | 1.0936 | 69.80 | * |
| 7405 | 20 mm dia. PTMT stop cock | each | 135.22 | 102.00 | 1.175 | 86.81 | 1.0936 | 94.93 | * |
| 7406 | PTMT pillar cock | each | 166.44 | 129.00 | 1.175 | 109.79 | 1.0936 | 120.06 | * |
| 7407 | PTMT push cock 15 mm dia | each | 93.62 | 65.00 | 1.175 | 55.32 | 1.0936 | 60.50 | * |
| 7408 | PTMT push cock 12 mm dia 20 mm BSP | each | 83.22 | 60.00 | 1.175 | 51.06 | 1.0936 | 55.84 | * |
| 7409 | PTMT grating 100 mm dia | each | 32.25 | 21.00 | 1.175 | 17.87 | 1.0936 | 19.55 | * |
| 7410 | PTMT Pillar cock (fancy) 15mm foam flow | each | 234.04 | 144.00 | 1.175 | 122.55 | 1.0936 | 134.02 | * |
| 7411 | 125 mm grating with waste hole | each | 43.69 | 32.00 | 1.175 | 27.23 | 1.0936 | 29.78 | * |
| 7412 | Rectangular type with openable circular lid 150 mm size 18 mm high with 100 mm dia (110 gm) | each | 126.91 | 122.00 | 1.175 | 103.83 | 1.0936 | 113.55 | * |
| 7415 | Double acting air valve 50 mm | each | 4160.83 | 3900.00 | 1.175 | 3319.15 | 1.0936 | 3629.82 | * |
| 7416 | Double acting air valve 80 mm | each | 5409.08 | 4750.00 | 1.175 | 4042.55 | 1.0936 | 4420.94 | * |
| 7417 | Double acting air valve 100 mm | each | 7073.42 | 6200.00 | 1.175 | 5276.60 | 1.0936 | 5770.49 | * |
| 7418 | Water meter (including testing charges) 80 mm | each | 2215.65 | 2130.00 | 1.175 | 1812.77 | 1.0936 | 1982.44 | * |
| 7419 | Water meter (including testing charges) 100 mm | each | 3432.68 | 3300.00 | 1.175 | 2808.51 | 1.0936 | 3071.39 | * |
| 7420 | Water meter (including testing charges) 150 mm | each | 5201.04 | 5000.00 | 1.175 | 4255.32 | 1.0936 | 4653.62 | * |
| 7421 | Water meter (including testing charges) 200 mm | each | 5617.13 | 5400.00 | 1.175 | 4595.74 | 1.0936 | 5025.91 | * |
| 7422 | Dirt box strainer 80 mm | each | 2922.99 | 2810.00 | 1.175 | 2391.49 | 1.0936 | 2615.33 | * |
| 7423 | Dirt box strainer 100 mm | each | 4764.16 | 4580.00 | 1.175 | 3897.87 | 1.0936 | 4262.71 | * |
| 7424 | Dirt box strainer 150 mm | each | 6043.60 | 5810.00 | 1.175 | 4944.68 | 1.0936 | 5407.50 | * |
| 7425 | Dirt box strainer 200 mm | each | 8581.72 | 8250.00 | 1.175 | 7021.28 | 1.0938 | 7678.47 | * |
| 7426 | Cat's eye | each | 187.24 | 105.00 | 1.175 | 89.36 | 1.0936 | 97.73 | * |

| Quarter | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due Increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 7427 | Water stop Serrated with central bulb (225 mm wide, 8-11 mm thick) | metre | 431.69 | 211.00 | 1.175 | 179.57 | 1.0936 | 196.38 | * |
| 7428 | Water stop Dumb bell with central bulb | metre | 405.68 | 165.00 | 1.175 | 140.43 | 1.0936 | 153.57 | * |
| 7429 | Water stop Kicers | metre | 390.08 | 195.00 | 1.175 | 165.96 | 1.0936 | 181.49 | * |
| 7430 | Wedge expansion hold fastner 1/4" or 6 mm | each | 14.56 | 12.00 | 1.175 | 10.21 | 1.0936 | 11.17 | * |
| 7431 | Wedge expansion hold fastner 3/8" or 10 mm | each | 15.60 | 12.00 | 1.175 | 10.21 | 1.0936 | 11.17 | * |
| 7432 | Wedge expansion hold fastner 1/2" or 12 mm | each | 29.13 | 28.00 | 1.175 | 23.83 | 1.0936 | 26.06 | * |
| 7439 | 8mm thick (mirror polished tiles machine cut edge) Raj Nagar white | sqm | 520.10 | 500.00 | 1.175 | 425.53 | 1.0936 | 465.36 | * |
| 7442 | Wheel 75mm dia. 40mm wide | each | 67.62 | 65.00 | 1.175 | 55.32 | 1.0936 | 60.50 | * |
| 7443 | Aluminium single cleat of size 30x32x3 mm | each | 14.56 | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | * |
| 7444 | Aluminium grip strip of size 50x12x2 mm | each | 11.44 | 12.00 | 1.175 | 10.21 | 1.0936 | 11.17 | * |
| 7445 | 25 mm prelaminated flush door both side decorative | sqm | 863.37 | 808.00 | 1.175 | 687.66 | 1.0936 | 752.02 | * |
| 7449 | Aluminium U beading | kilogram | 228.85 | 220.00 | 1.175 | 187.23 | 1.0936 | 204.76 | * |
| 7451 | Glass sheet (Pin headed) 4mm thick | sqm | 312.07 | 320.00 | 1.175 | 272.34 | 1.0936 | 297.83 | * |
| 7452 | Raj Nagar plain- White Marble (table rubbed and polished 18mm thick slab area upto 0.50 sqm | sqm | 676.14 | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | * |
| 7453 | Raj Nagar plain- White Marble (table rubbed and polished 18mm thick slab area more than 0.50 sqm | sqm | 780.15 | 700.00 | 1.175 | 595.74 | 1.0936 | 651.51 | * |
| 7466 | Second class deodar teak wood lipping 30mm width x 12mm | metre | 31.20 | 25.00 | 1.175 | 21.28 | 1.0936 | 23.27 | * |
| 7468 | Veneered particle board with commercial veneering on both sides 12 mm thick | sqm | 520.10 | 520.00 | 1.175 | 442.55 | 1.0936 | 483.98 | * |
| 7477 | Prelaminated particle board with one side decorative and other side balancing lamination, flat presed 3 layer & graded (medium density) Grade I. Type II conforming to IS : 12823 (exterior grade) 12 mm thick | sqm | 769.75 | 563.00 | 1.175 | 479.15 | 1.0936 | 524.00 | * |
| 7478 | Prelaminated particle board with one side decorative and other side balancing lamination, flat presed 3 layer & graded (medium density) Grade I. Type II conforming to IS : 12823 (exterior grade) 18 mm thick | sqm | 884.17 | 675.00 | 1.175 | 574.47 | 1.0936 | 628.24 | * |
| 7479 | Prelaminated particle board with one side decorative and other side balancing lamination, flat presed 3 layer & graded (medium density) Grade I. Type II conforming to IS : 12823 (exterior grade) 25 mm thick | sqm | 967.39 | 930.00 | 1.175 | 791.49 | 1.0936 | 865.57 | * |
| 7480 | Prelaminated particle board with both sides decorative lamination.flat pressed 3 layer & graded (medium density) Graefe I. Type II conforming to IS : 12823 (exterior grade) 12 mm thick | sqm | 811.36 | 596.00 | 1.175 | 507.23 | 1.0936 | 554.71 | * |
| 7485 | Oxidised M.S. hinges finished with nickle plating 50mm ( Over all width) | metre | 43.69 | 42.00 | 1.175 | 35.74 | 1.0936 | 39.09 | * |
| 7486 | Oxidised M.S. hinges finished with nickle plating 55mm (Over all width) | metre | 56.17 | 55.00 | 1.175 | 46.81 | 1.0936 | 51.19 | * |
| 7491 | PTMT - Waste Coupling 31/32 mm | each | 53.05 | 36.00 | 1.175 | 30.64 | 1.0936 | 33.51 | * |
| 7492 | PTMT - Waste Coupling 38/40 mm | each | 66.57 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | * |
| 7493 | PTMT - Bottle Trap 31/32 mm | each | 329.75 | 218.00 | 1.175 | 185.53 | 1.0936 | 202.90 | * |
| 7494 | PTMT - Bottle Trap 38/40 mm | each | 358.87 | 228.00 | 1.175 | 194.04 | 1.0936 | 212.20 | * |
| 7495 | PTMT – Ball Cock 15 mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball | each | 139.39 | 105.00 | 1.175 | 89.36 | 1.0936 | 97.73 | * |
| 7496 | PTMT - Ball Cock 20mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball | each | 202.84 | 140.00 | 1.175 | 119.15 | 1.0936 | 130.30 | * |
| 7497 | PTMT - Ball Cock25 mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball | each | 436.88 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |
| 7498 | PTMT - Ball Cock 40 mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball | each | 811.36 | 501.00 | 1.175 | 426.38 | 1.0936 | 466.29 | * |
| 7499 | PTMT - Ball Cock 50 mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball | each | 1196.24 | 913.00 | 1.175 | 777.02 | 1.0936 | 849.75 | * |
| 7500 | PTMT - Angle Stop cock with Flange 15 mm | each | 135.22 | 102.00 | 1.175 | 86.81 | 1.0936 | 94.93 | * |
| 7501 | PTMT - Swiveling shower 15 mm | each | 90.49 | 75.00 | 1.175 | 63.83 | 1.0936 | 69.80 | * |
| 7503 | PTMT - Liquid Soap Container of 400 ml capacity | each | 150.83 | 107.00 | 1.175 | 91.06 | 1.0936 | 99.59 | * |

| Item No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due Increase in WPI from April 2018 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 7504 | PTMT - Towel Ring 215x200x37 mm | each | 120.66 | 135.00 | 1.175 | 114.89 | 1.0936 | 125.65 | " |
| 7505 | PTMT - Towel Rail (450 mm) | each | 199.72 | 141.00 | 1.175 | 120.00 | 1.0936 | 131.23 | " |
| 7506 | PTMT - Towel Rail (600 mm) | each | 235.09 | 169.00 | 1.175 | 143.83 | 1.0936 | 157.29 | " |
| 7507 | PTMT - Shelf 450x124x36 mm | each | 268.37 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | " |
| 7508 | PTMT - Urinal Spreader 15 mm | each | 132.10 | 80.00 | 1.175 | 68.09 | 1.0936 | 74.46 | " |
| 7509 | PTMT - Soap Dish/Holder 138x102x75 mm | each | 124.83 | 85.00 | 1.175 | 72.34 | 1.0936 | 79.11 | " |
| 7512 | PTMT - handle 125x34x24 mm | each | 31.20 | 25.00 | 1.175 | 21.28 | 1.0936 | 23.27 | " |
| 7513 | PTMT - handle 150x34x24 mm | each | 35.37 | 25.00 | 1.175 | 21.28 | 1.0936 | 23.27 | " |
| 7514 | PTMT - butt hinges 75x60x10 mm | each | 43.69 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | " |
| 7515 | PTMT - butt hinges 100x75x10 mm | each | 58.26 | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | " |
| 7516 | PTMT - Tower bolt 152x42x18 mm | each | 67.62 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | " |
| 7517 | PTMT - Tower bolt 202x42x18 mm | each | 83.22 | 70.00 | 1.175 | 59.57 | 1.0936 | 65.15 | " |
| 7518 | PTMT - door catcher 72x42 mm | each | 28.08 | 25.00 | 1.175 | 21.28 | 1.0936 | 23.27 | " |
| 7552 | Coir Veneered board 4 mm thick | sqm | 301.66 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | " |
| 7553 | Coir Veneered board 8 mm thick | sqm | 405.68 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | " |
| 7555 | Coir Veneered board 12 mm thick | sqm | 676.14 | 700.00 | 1.175 | 595.74 | 1.0936 | 651.51 | " |
| 7556 | Coir Veneered board 18 mm thick | sqm | 1071.41 | 1050.00 | 1.175 | 893.62 | 1.0936 | 977.26 | " |
| 7621 | Hubless centrifugally cast (spun) iron pipes as per IS 15905 - 100 mm dia (3000 mm length pipe) | metre | | 729.00 | 1.175 | 620.43 | 1.0936 | 678.50 | " |
| 7622 | Hubless centrifugally cast (spun) iron pipes as per IS 15905 - 75 mm dia (3000 mm length pipe) | metre | | 597.00 | 1.175 | 508.09 | 1.0936 | 555.64 | " |
| 7623 | Hubless centrifugally cast (spun) iron plain bend as per IS 15905 - 100 mm dia | each | | 241.00 | 1.175 | 205.11 | 1.0936 | 224.30 | " |
| 7624 | Hubless centrifugally cast (spun) iron plain bend as per IS 15905 - 75 mm dia | each | | 164.00 | 1.175 | 139.57 | 1.0936 | 152.64 | " |
| 7625 | Hubless centrifugally cast (spun) iron double equal plain junction as per IS 15905 - 100x100x100x100 mm dia | each | | 532.00 | 1.175 | 452.77 | 1.0936 | 495.14 | " |
| 7626 | Hubless centrifugally cast (spun) iron double equal plain junction as per IS 15905 - 75x75x75x75 mm dia | each | | 286.00 | 1.175 | 243.40 | 1.0936 | 266.19 | " |
| 7627 | Hubless centrifugally cast (spun) iron single equal plain junction as per IS 15905 - 100x100x100 mm dia | each | | 410.00 | 1.175 | 348.94 | 1.0936 | 381.60 | " |
| 7628 | Hubless centrifugally cast (spun) iron single equal plain junction as per IS 15905 - 75x75x75 mm dia | each | | 225.00 | 1.175 | 191.49 | 1.0936 | 209.41 | " |
| 7629 | Hubless centrifugally cast (spun) iron double unequal plain junction as per IS 15905 - 100x100x75x75 mm dia | each | | 421.00 | 1.175 | 358.30 | 1.0936 | 391.83 | " |
| 7630 | Hubless centrifugally cast (spun) iron single unequal plain junction as per IS 15905 - 100x100x75 mm dia | each | | 392.00 | 1.175 | 333.62 | 1.0936 | 364.84 | " |
| 7631 | Hubless centrifugally cast (spun) iron double equal plain invert branch as per IS 15905 - 100x100x100x100 mm dia | each | | 653.00 | 1.175 | 555.74 | 1.0936 | 607.76 | " |
| 7632 | Hubless centrifugally cast (spun) iron single equal plain invert branch as per IS 15905 - 100x100x100 mm dia | each | | 410.00 | 1.175 | 348.94 | 1.0936 | 381.60 | " |
| 7633 | Hubless centrifugally cast (spun) iron single equal plain invert branch as per IS 15905 - 75x75x75 mm dia | each | | 270.00 | 1.175 | 229.79 | 1.0936 | 251.30 | " |
| 7634 | Hubless centrifugally cast (spun) iron single unequal plain invert branch 45 degree as per IS 15905 - 100x100x75 mm dia | each | | 450.00 | 1.175 | 382.98 | 1.0936 | 418.83 | " |
| 7635 | Hubless centrifugally cast (spun) iron 65 mm offset with 100 mm dia pipe as per IS 15905 | each | | 378.00 | 1.175 | 321.70 | 1.0936 | 351.81 | " |
| 7636 | Hubless centrifugally cast (spun) iron 85 mm offset with 75 mm dia pipe as per IS 15905 | each | | 308.00 | 1.175 | 262.13 | 1.0936 | 286.66 | " |
| 7637 | Hubless centrifugally cast (spun) iron 130 mm offset with 100 mm dia pipe as per IS 15905 | each | | 457.00 | 1.175 | 388.94 | 1.0936 | 425.34 | " |
| 7638 | Hubless centrifugally cast (spun) iron 130 mm offset with 75 mm dia pipe as per IS 15905 | each | | 325.00 | 1.175 | 276.60 | 1.0936 | 302.49 | " |
| 7639 | Hubless centrifugally cast (spun) iron bend with access door - 100 mm dia as per IS 15905 | each | | 380.00 | 1.175 | 323.40 | 1.0936 | 353.67 | " |
| 7640 | Hubless centrifugally cast (spun) iron bend with access door - 75 mm dia as per IS 15905 | each | | 303.00 | 1.175 | 257.87 | 1.0936 | 282.01 | " |
| 7641 | Hubless centrifugally cast (spun) iron terminal guard (slotted cowl) - 100 mm dia as per IS 15905 | each | | 283.00 | 1.175 | 240.85 | 1.0936 | 263.39 | " |
| 7642 | Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 100 mm outlet as per IS 15905 | each | | 560.00 | 1.175 | 476.60 | 1.0936 | 521.21 | " |
| 7643 | Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 75 mm outlet as per IS 15905 | each | | 404.00 | 1.175 | 343.83 | 1.0936 | 376.01 | " |
| 7644 | SS 304 grade shielded coupling with EPDM rubber gasket for 100 mm dia Hubless centrifugally cast (spun) iron | each | | 287.00 | 1.175 | 244.26 | 1.0936 | 267.12 | " |
| 7645 | SS 304 grade shielded coupling with EPDM rubber gasket for 75 mm dia Hubless centrifugally cast (spun) iron | each | | 262.00 | 1.175 | 222.98 | 1.0936 | 243.85 | " |
| 7651 | Ductile iron class K - 9 pipe Conforming to I.S. 8329 100 mm dia | metre | 832.17 | 800.00 | 1.175 | 680.85 | 1.0936 | 744.58 | " |

| ode No | Description | Unit | Present Approved rate | rate as per DSR-2016 | Deductions for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 7652 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 150 mm dia | metre | 1248.25 | 1200.00 | 1.175 | 1021.28 | 1.0936 | 1116.87 | " |
| 7653 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 200 mm dia | metre | 1716.34 | 1650.00 | 1.175 | 1404.26 | 1.0936 | 1535.69 | " |
| 7654 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 250 mm dia | metre | 2392.48 | 2300.00 | 1.175 | 1957.45 | 1.0936 | 2140.66 | " |
| 7655 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 300 mm dia | metre | 2974.99 | 2860.00 | 1.175 | 2434.04 | 1.0936 | 2661.87 | " |
| 7656 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 350 mm dia | metre | 3651.13 | 3510.00 | 1.175 | 2987.23 | 1.0936 | 3266.84 | " |
| 7657 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329400 mm dia | metre | 4680.94 | 4500.00 | 1.175 | 3829.79 | 1.0936 | 4188.26 | " |
| 7658 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 450 mm dia | metre | 5409.08 | 5200.00 | 1.175 | 4425.53 | 1.0936 | 4839.76 | " |
| 7659 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 500 mm dia | metre | 6844.57 | 6580.00 | 1.175 | 5600.00 | 1.0936 | 6124.16 | " |
| 7660 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 600 mm dia | metre | 8248.85 | 7930.00 | 1.175 | 6748.94 | 1.0936 | 7380.64 | " |
| 7661 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 700 mm dia | metre | 11442.29 | 11000.00 | 1.175 | 9361.70 | 1.0936 | 10237.96 | " |
| 7662 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 750 mm dia | metre | 12378.48 | 11900.00 | 1.175 | 10127.66 | 1.0936 | 11075.61 | " |
| 7663 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 800 mm dia | metre | 12482.49 | 12000.00 | 1.175 | 10212.77 | 1.0936 | 11168.68 | " |
| 7664 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 900 mm dia | metre | 15083.02 | 14500.00 | 1.175 | 12340.43 | 1.0936 | 13495.49 | " |
| 7665 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 1000 mm dia | metre | 16955.39 | 16300.00 | 1.175 | 13872.34 | 1.0936 | 15170.79 | " |
| 7666 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 100 mm dia | ench | 31.20 | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | " |
| 7668 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 150mm dia | ench | 39.53 | 38.00 | 1.175 | 32.34 | 1.0936 | 35.37 | " |
| 7669 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 200mm dia | ench | 68.65 | 66.00 | 1.175 | 56.17 | 1.0936 | 61.43 | " |
| 7670 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 250mm dia | ench | 81.13 | 78.00 | 1.175 | 66.38 | 1.0936 | 72.60 | " |
| 7671 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 300 mm dia | ench | 119.62 | 115.00 | 1.175 | 97.87 | 1.0936 | 107.03 | " |
| 7672 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 350 mm dia | ench | 137.31 | 132.00 | 1.175 | 112.34 | 1.0936 | 122.86 | " |
| 7673 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 400 mm dia | ench | 249.65 | 240.00 | 1.175 | 204.26 | 1.0936 | 223.37 | " |
| 7674 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 450 mm dia | ench | 291.26 | 280.00 | 1.175 | 238.30 | 1.0936 | 260.60 | " |
| 7675 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 500 mm dia | ench | 317.26 | 305.00 | 1.175 | 259.57 | 1.0936 | 283.87 | " |
| 7676 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 600 mm dia | ench | 395.27 | 380.00 | 1.175 | 323.40 | 1.0936 | 353.67 | " |
| 7677 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 700 mm dia | ench | 598.12 | 575.00 | 1.175 | 489.36 | 1.0936 | 535.17 | " |
| 7678 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 750 mm dia | ench | 717.75 | 690.00 | 1.175 | 587.23 | 1.0936 | 642.20 | " |
| 7679 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 800 mm dia | ench | 790.56 | 760.00 | 1.175 | 646.81 | 1.0936 | 707.35 | " |
| 7680 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 900 mm dia | ench | 1040.21 | 1000.00 | 1.175 | 851.06 | 1.0936 | 930.72 | " |
| 7681 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 1000 mm dia | ench | 1248.25 | 1200.00 | 1.175 | 1021.28 | 1.0936 | 1116.87 | " |
| 7682 | Ductile Iron K - 12 specials suitable for push on jointing upto 600 mm dia | quintal | 13522.71 | 13000.00 | 1.175 | 11063.83 | 1.0936 | 12099.40 | " |
| 7683 | Ductile Iron K - 12 specials suitable for push on jointing over 600 mm dia | quintal | 18723.74 | 18000.00 | 1.175 | 15319.15 | 1.0936 | 16753.02 | " |
| 7684 | Ductile Iron specials suitable for mechanical jointing as per I.S. 9523 - upto 600 mm dia | quintal | 14250.85 | 13700.00 | 1.175 | 11659.57 | 1.0936 | 12750.91 | " |
| 7685 | Ductile Iron Specials suitable for mechanical jointing as per I.S. 9523 over 600 mm dia | quintal | 20440.09 | 19650.00 | 1.175 | 16723.40 | 1.0936 | 18288.71 | " |
| 7686 | Ductile Iron Pipe Class K-9 flanges and welding 100 mm dia | metre | 2267.85 | 1155.00 | 1.175 | 982.98 | 1.0936 | 1074.99 | " |
| 7687 | Ductile Iron Pipe Class K-9 flanges and welding 150 mm dia | metre | 3540.73 | 1733.00 | 1.175 | 1474.89 | 1.0936 | 1612.94 | " |
| 7688 | Ductile Iron Pipe Class K-9 flanges and welding 200 mm dia | metre | 4275.26 | 2179.00 | 1.175 | 1854.47 | 1.0936 | 2028.05 | " |
| 7689 | Ductile Iron Pipe Class K-9 flanges and welding 250 mm dia | metre | 3582.71 | 3098.00 | 1.175 | 2636.60 | 1.0936 | 2883.38 | " |

| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due Increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 7690 | Ductile Iron Pipe Class K-9 flanges and welding 300 mm dia | metre | 7239.84 | 3980.00 | 1.175 | 3387.23 | 1.0936 | 3704.28 | * |
| 7691 | Ductile Iron Pipe Class K-9 flanges and welding 350 mm dia | metre | 9153.83 | 5019.00 | 1.175 | 4271.49 | 1.0936 | 4671.30 | * |
| 7692 | Ductile Iron Pipe Class K-9 flanges and welding400mm dia | metre | 11036.61 | 6458.00 | 1.175 | 5496.17 | 1.0936 | 6010.61 | * |
| 7693 | Ductile Iron Pipe Class K-9 flanges and welding 450 mm dia | metre | 13418.68 | 6776.00 | 1.175 | 5766.81 | 1.0936 | 6306.58 | * |
| 7694 | Ductile Iron Pipe Class K-9 flanges and welding 500mm dia | metre | 15707.14 | 9639.00 | 1.175 | 8203.40 | 1.0936 | 8971.24 | * |
| 7695 | Ductile Iron Pipe Class K-9 flanges and welding600mm dia | metre | 21459.49 | 12758.00 | 1.175 | 10857.87 | 1.0936 | 11874.17 | * |
| 7696 | Ductile Iron Pipe Class K-9 flanges and welding700 mm dia | metre | 26629.33 | 15089.00 | 1.175 | 12841.70 | 1.0936 | 14043.69 | * |
| 7697 | S&S Centrifugally (Spun) C.I. Pipe class LA 100 mm dia | metre | 936.19 | 500.00 | 1.175 | 765.96 | 1.0936 | 837.65 | * |
| 7698 | S&S Centrifugally (Spun) C.I. Pipe class LA 125mm dia | metre | 1165.03 | 1120.00 | 1.175 | 953.19 | 1.0936 | 1042.41 | * |
| 7699 | S&S Centrifugally (Spun) C.I. Pipe class LA 150 mm dia | metre | 1404.28 | 1350.00 | 1.175 | 1148.94 | 1.0936 | 1256.48 | * |
| 7700 | S&S Centrifugally (Spun) C.I. Pipe class LA 200 mm dia | metre | 2392.48 | 2300.00 | 1.175 | 1957.45 | 1.0936 | 2140.66 | * |
| 7701 | S&S Centrifugally (Spun) C.I. Pipe class LA 250 mm dia | metre | 3120.63 | 3000.00 | 1.175 | 2553.19 | 1.0936 | 2792.17 | * |
| 7702 | S&S Centrifugally (Spun) C.I. Pipe class LA 300 mm dia | metre | 4212.84 | 4050.00 | 1.175 | 3446.81 | 1.0936 | 3769.43 | * |
| 7703 | S&S Centrifugally (Spun) C.I. Pipe class LA 350mm dia | metre | 5045.01 | 4850.00 | 1.175 | 4127.66 | 1.0936 | 4514.01 | * |
| 7704 | S&S Centrifugally (Spun) C.I. Pipe class LA 400mm dia | metre | 6657.33 | 6400.00 | 1.175 | 5446.81 | 1.0936 | 5956.63 | * |
| 7705 | S&S Centrifugally (Spun) C.I. Pipe class LA 450 mm dia | metre | 8061.61 | 7750.00 | 1.175 | 6595.74 | 1.0936 | 7213.11 | * |
| 7706 | S&S Centrifugally (Spun) C.I. Pipe class LA500 mm dia | metre | 9361.88 | 9000.00 | 1.175 | 7659.57 | 1.0936 | 8376.51 | * |
| 7707 | S&S Centrifugally (Spun) C.I. Pipe class LA 600 mm dia | metre | 13101.42 | 12595.00 | 1.175 | 10719.15 | 1.0936 | 11722.46 | * |
| 7708 | S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing up to 300 mm dia | quintal | 5669.13 | 5450.00 | 1.175 | 4638.30 | 1.0936 | 5072.44 | * |
| 7709 | S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing over 300 mm dia | quintal | 8529.71 | 6510.00 | 1.175 | 5540.43 | 1.0936 | 6059.01 | * |
| 7710 | S&S Centrifugally (Spun) C.I. Pipe specials suitable for mechanical joint as per I.S. 13382 up to 300 mm dia | quintal | 9361.88 | 9000.00 | 1.175 | 7659.57 | 1.0936 | 8376.51 | * |
| 7711 | S&S Centrifugally (Spun) C.I. Pipe Specials suitable for mechanical joint as per IS 13382 over 300 mm dia | quintal | 9681.98 | 9500.00 | 1.175 | 8085.11 | 1.0936 | 8841.87 | * |
| 7712 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 100 mm dia | metre | 1430.28 | 1375.00 | 1.175 | 1170.21 | 1.0936 | 1279.74 | * |
| 7713 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 150 mm dia | metre | 2236.45 | 2150.00 | 1.175 | 1829.79 | 1.0936 | 2001.06 | * |
| 7714 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 200 mm dia | metre | 3536.70 | 3400.00 | 1.175 | 2893.62 | 1.0936 | 3164.46 | * |
| 7715 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 250 mm dia | metre | 4264.85 | 4100.00 | 1.175 | 3489.36 | 1.0936 | 3815.97 | * |
| 7716 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 300 mm dia | metre | 5450.69 | 5240.00 | 1.175 | 4459.57 | 1.0936 | 4876.99 | * |
| 7717 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 350 mm dia | metre | 6865.37 | 6600.00 | 1.175 | 5617.02 | 1.0936 | 6142.77 | * |
| 7718 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 400 mm dia | metre | 8893.76 | 8550.00 | 1.175 | 7276.60 | 1.0936 | 7957.69 | * |
| 7719 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 450 mm dia | metre | 11338.27 | 10900.00 | 1.175 | 9276.60 | 1.0936 | 10144.89 | * |
| 7720 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 500 mm dia | metre | 14105.22 | 13560.00 | 1.175 | 11540.43 | 1.0936 | 12620.61 | * |
| 7721 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 600 mm dia | metre | 19555.91 | 18800.00 | 1.175 | 16000.00 | 1.0936 | 17497.60 | * |
| 7722 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 100 mm dia | metre | 806.16 | 775.00 | 1.175 | 659.57 | 1.0936 | 721.31 | * |
| 7723 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 150 mm dia | metre | 1165.03 | 1120.00 | 1.175 | 953.19 | 1.0936 | 1042.41 | * |
| 7724 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 200 mm dia | metre | 1612.32 | 1550.00 | 1.175 | 1319.15 | 1.0936 | 1442.62 | * |
| 7725 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 250 mm dia | metre | 2184.44 | 2100.00 | 1.175 | 1787.23 | 1.0936 | 1954.52 | * |
| 7726 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 300 mm dia | metre | 3016.60 | 2771.00 | 1.175 | 2358.30 | 1.0936 | 2579.03 | * |
| 7727 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 350 mm dia | metre | 3583.52 | 3364.00 | 1.175 | 2854.47 | 1.0936 | 3121.65 | * |
| 7728 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 400 mm dia | metre | 4176.44 | 4015.00 | 1.175 | 3417.02 | 1.0936 | 3736.85 | * |
| 7729 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 450 mm dia | metre | 5047.08 | 4852.00 | 1.175 | 4129.36 | 1.0936 | 4515.87 | * |
| 7730 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 500 mm dia | metre | 5965.59 | 5735.00 | 1.175 | 4880.85 | 1.0936 | 5337.70 | * |

| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 7731 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 600 mm dia | metre | 7780.76 | 7402.00 | 1.175 | 6299.57 | 1.0936 | 6889.21 | * |
| 7732 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 700 mm dia | metre | 9999.52 | 9613.00 | 1.175 | 8181.28 | 1.0936 | 8947.04 | * |
| 7733 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 800 mm dia | metre | 12586.52 | 12100.00 | 1.175 | 10297.87 | 1.0936 | 11261.75 | * |
| 7734 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 900 mm dia | metre | 16716.14 | 15603.00 | 1.175 | 13279.15 | 1.0936 | 14522.08 | * |
| 7735 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 1000 mm dia | metre | 17716.83 | 17032.00 | 1.175 | 14495.32 | 1.0936 | 15852.08 | * |
| 7736 | Extruded burnt flyash clay sewer bricks conforming to I.S 4885 | 1000nos | 5617.13 | 5400.00 | 1.175 | 4595.74 | 1.0936 | 5025.91 | * |
| 7737 | Fly ash lime bricks (FALG Bricks) conforming to I.S. 12894 -1989 | 1000nos | 4888.98 | 5800.00 | 1.175 | 4936.17 | 1.0936 | 5398.20 | * |
| 7738 | Calcium Silicate Bricks machine moulded confirming to I.S. 4139 | 1000nos | 5201.04 | 5700.00 | 1.175 | 4851.06 | 1.0936 | 5305.12 | * |
| 7739 | Modified Bitumen Refinery produced CRMB - 55 | toone | 42544.51 | | | | | 36387.00 | ** |
| 7741 | Modified Bitumen Refinery produced CRMB - 60 | toone | 42440.49 | | | | | 36387.00 | ** |
| 7742 | Bitumen emulsion medium setting (M.S.) conforming to IS : 8887 | toone | 31206.25 | | | | | 39393.00 | ** |
| 7743 | M.S. pipe 150 mm dia casing pipe | metre | 1102.63 | 950.00 | 1.175 | 808.51 | 1.0936 | 884.19 | * |
| 7744 | M.S. pipe 200 mm dia casing pipe | metre | 1352.27 | 1200.00 | 1.175 | 1021.28 | 1.0936 | 1116.87 | * |
| 7745 | PVC blind pipe 150 mm dia as per IS: 12818 | metre | 520.10 | 487.00 | 1.175 | 414.47 | 1.0936 | 453.26 | * |
| 7746 | PVC blind pipe 200 mm dia as per IS: 12818 | metre | 780.15 | 519.00 | 1.175 | 441.70 | 1.0936 | 483.05 | * |
| 7747 | M.S. cap 150 mm dia | each | 166.44 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 7748 | M.S. cap 200 mm dia | each | 208.04 | 190.00 | 1.175 | 161.70 | 1.0936 | 176.84 | * |
| 7749 | M.S bail plug 150 mm dia | each | 208.04 | 190.00 | 1.175 | 161.70 | 1.0936 | 176.84 | * |
| 7750 | M.S bail plug 200 mm dia | each | 228.85 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 7751 | PVC slotted pipe 150 mm dia as per IS: 12818 | metre | 468.09 | 450.00 | 1.175 | 382.98 | 1.0936 | 418.83 | * |
| 7752 | PVC slotted pipe 200 mm dia as per IS: 12818 | metre | 728.15 | 700.00 | 1.175 | 595.74 | 1.0936 | 651.51 | * |
| 7753 | Boulder 50 mm to 200 mm | cum | 364.07 | 700.00 | 1.175 | 595.74 | 1.0936 | 651.51 | * |
| 7754 | Gravel 5 mm to 10 mm | cum | 728.15 | 800.00 | 1.175 | 680.85 | 1.0936 | 744.58 | * |
| 7755 | Gravel 1.5 mm to 2 mm | cum | 676.14 | 800.00 | 1.175 | 680.85 | 1.0936 | 744.58 | * |
| 7756 | Gravel 3 mm to 6 mm | cum | 707.34 | 800.00 | 1.175 | 680.85 | 1.0936 | 744.58 | * |
| 7757 | M.S. pipe 100 mm dia casing pipe | metre | 800.96 | 700.00 | 1.175 | 595.74 | 1.0936 | 651.51 | * |
| 7758 | UPVC blind pipe 100 mm dia as per IS: 12818 | metre | 374.48 | 244.00 | 1.175 | 207.66 | 1.0936 | 227.10 | * |
| 7759 | UPVC slotted pipe 100 mm dia as per IS: 12818 | metre | 395.27 | 380.00 | 1.175 | 323.40 | 1.0936 | 353.67 | * |
| 7760 | M.S. cap 100 mm dia | each | 135.22 | 120.00 | 1.175 | 102.13 | 1.0936 | 111.69 | * |
| 7761 | M.S. bail plug 100 mm dia | each | 166.44 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 7762 | Precast R.C.C. perforated slab | each | 832.17 | 800.00 | 1.175 | 680.85 | 1.0936 | 744.58 | * |
| 7763 | Water supply tanker of 5000 litre capacity | each | 832.17 | 750.00 | 1.175 | 638.30 | 1.0936 | 698.04 | * |
| 7764 | M.S. socket 100 mm dia | each | 187.24 | 120.00 | 1.175 | 102.13 | 1.0936 | 111.69 | * |
| 7765 | M.S. socket 150 mm dia | each | 228.85 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 7766 | M.S. socket 200 mm dia | each | 291.26 | 270.00 | 1.175 | 229.79 | 1.0936 | 251.30 | * |
| 7767 | Stone cleaning chemical approved by ASI | litre | 171.54 | 165.00 | 1.175 | 140.43 | 1.0936 | 153.57 | * |
| 7768 | Water repellent chemical approved by ASI | litre | 1650.81 | 650.00 | 1.175 | 553.19 | 1.0936 | 604.97 | * |
| 7769 | Stone surface strengthening chemical approved by ASI | litre | 1061.02 | 1020.00 | 1.175 | 868.09 | 1.0936 | 949.34 | * |
| 7770 | Turpentine oil | litre | 70.74 | 55.00 | 1.175 | 46.81 | 1.0936 | 51.19 | * |
| 7771 | Liquid Amonia 5% | litre | 167.47 | 161.00 | 1.175 | 137.02 | 1.0936 | 149.85 | * |
| 7772 | Pea Gravel | cum | 780.15 | 900.00 | 1.175 | 765.96 | 1.0936 | 837.65 | * |
| 7773 | Coloured inter locking C.C. paver Block | sqm | 520.10 | 500.00 | 1.175 | 425.53 | 1.0936 | 465.36 | * |
| 7774 | Stone size 10x10x7.50cm | each | 9.36 | 9.00 | 1.175 | 7.66 | 1.0936 | 8.38 | * |
| 7775 | Sodium pentachlorophenate | kilogram | 655.33 | 630.00 | 1.175 | 536.17 | 1.0936 | 586.36 | * |
| 7800 | Ceramic Glazed Tiles 1st Quality minimum thickness 5mm in all colours shades except Burgandy, Bottle Green, Black | sqm | 312.07 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 7801 | Ceramic Glazed Tiles 1st quality 300x300 mm in all shades & designs of White, Ivory, Fume Red Brown etc. | sqm | 379.67 | 210.00 | 1.175 | 178.72 | 1.0936 | 195.45 | * |
| 7802 | Ceramic Glazed Tiles 1st quality 300x300 mm in all shades & designs except White, Ivory, Grey and Fume Red Brown etc. | sqm | 390.08 | 260.00 | 1.175 | 221.28 | 1.0936 | 241.99 | * |
| 7803 | Ceramic Glazed Tiles 1st quality 300x300 or more in all shades dessigns White, Ivory, Grey and Fume Red Brown etc. | sqm | 535.71 | 334.00 | 1.175 | 284.26 | 1.0936 | 310.86 | * |
| 7804 | Ceramic Glazed Tiles 1st quality 300x300 or more mm hi all shades designs except White, Ivory, Grey and Fume Red brown etc | sqm | 566.91 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |

| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 7805 | Salem Stainless steel AISI - 304 (18/8) Orrisa pattern W.C. pan 724 mm X 578 mm | each | 3952.79 | 3600.00 | 1.175 | 3063.83 | 1.0936 | 3350.60 | " |
| 7806 | Salem Stainless steel AISI - 304 (18/8) Round basin 405 mm X355 mm | each | 1924.39 | 1500.00 | 1.175 | 1276.60 | 1.0936 | 1396.09 | " |
| 7807 | Salem Stainless steel AISI - 304 (18/8) Wash basin 530 mm X 345 mm each | each | 1716.34 | 1500.00 | 1.175 | 1276.60 | 1.0936 | 1396.09 | " |
| 7808 | Centrifugally cast (spun) iron S&S 100 mm inlet and 100 mm outlet | each | 452.49 | 435.00 | 1.175 | 370.21 | 1.0936 | 404.86 | " |
| 7809 | Centrifugally cast (spun) iron S&S 100 mm inlet and 75 mm outlet | each | 486.82 | 468.00 | 1.175 | 398.30 | 1.0936 | 435.58 | " |
| 7850 | Agana White marble slab plain 18 mm thick | each | 1165.03 | 1100.00 | 1.175 | 936.17 | 1.0936 | 1023.80 | " |
| 7857 | P.T.M.T. Grating square slit 150 mm | each | 80.10 | 50.00 | 1.175 | 42.55 | 1.0936 | 46.54 | " |
| 7858 | P.T.M.T. Urinal cock 15mm dia | each | 124.83 | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | " |
| 7859 | P.T.M.T. Bib cock with nozzle 15 mm | each | 150.83 | 84.00 | 1.175 | 71.49 | 1.0936 | 78.18 | " |
| 7861 | P.T.M.T. Stop cock (concealed) 15 mm | each | 164.35 | 125.00 | 1.175 | 106.38 | 1.0936 | 116.34 | " |
| 7862 | 15 mm nominal bore and 30 cm length PVC connection pipe with P.T.M.T. Nuts | each | 33.29 | 32.00 | 1.175 | 27.23 | 1.0936 | 29.78 | " |
| 7863 | 15 mm nominal bore and 45 cm length PVC connection pipe with P.T.M.T. Nuts | each | 41.61 | 34.00 | 1.175 | 28.94 | 1.0936 | 31.64 | " |
| 7864 | P.T.M.T. extension nipple 15 mm | each | 33.29 | 19.00 | 1.175 | 16.17 | 1.0936 | 17.68 | " |
| 7865 | P.T.M.T. extension nipple 20 mm | each | 39.53 | 28.00 | 1.175 | 23.83 | 1.0936 | 26.06 | " |
| 7866 | P.T.M.T. extension nipple 25 mm | each | 59.29 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | " |
| 7893 | Tactile tile | sqm | 902.90 | 900.00 | 1.175 | 765.96 | 1.0936 | 837.65 | " |
| 7895 | Matt finished vitrified tile 100x100 x16 mm | sqm | 967.39 | 377.00 | 1.175 | 320.85 | 1.0936 | 350.88 | " |
| 7896 | Vitrified tile | sqm | 530.51 | 309.00 | 1.175 | 262.98 | 1.0936 | 287.59 | " |
| 7900 | Modular common burnt clay bricks of class designation 7.5 | 1,000nos | 4580.94 | 4500.00 | 1.175 | 3829.79 | 1.0936 | 4188.26 | " |
| 7901 | Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5 | 1,000nos | 4784.96 | 4600.00 | 1.175 | 3914.89 | 1.0936 | 4281.33 | " |
| 7902 | Machine moulded common burnt clay modular perforated bricks of class designation 12.5 | 1,000nos | 4784.96 | 5350.00 | 1.175 | 4553.19 | 1.0936 | 4979.37 | " |
| 7903 | Machine moulded common burnt clay FPS (non modular) bricks of class designation 12.5 | 1,000nos | 4680.94 | 5000.00 | 1.175 | 4255.32 | 1.0936 | 4653.62 | " |
| 7904 | Machine moulded common burnt clay tile bricks of class designation 12.5 | 1,000nos | 5201.04 | 5000.00 | 1.175 | 4255.32 | 1.0936 | 4653.62 | " |
| 7911 | Chemical Rust Remover | litre | | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | " |
| 7912 | Hire charges of Drill machine upto 30 mm dia | day | | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | " |
| 7913 | Epoxy | kg | | 550.00 | 1.175 | 468.09 | 1.0936 | 511.90 | " |
| 7914 | SBR Polymer | kg | | 180.00 | 1.175 | 153.19 | 1.0936 | 167.53 | " |
| 7915 | Woven PVC cloth | sqm | | 25.00 | 1.175 | 21.28 | 1.0936 | 23.27 | " |
| 7916 | Hire charges of sand blasting equipment | day | | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | " |
| 7917 | Hire charges of compressure | day | | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | " |
| 7918 | 25mm thick cement concrete shotcrete(guniting) with compressor | sqm | | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | " |
| 7919 | 50mm thick cement concrete shotcrete(guniting) with compressor | sqm | | 160.00 | 1.175 | 136.17 | 1.0936 | 148.92 | " |
| 7920 | 75mm thick cement concrete shotcrete(guniting) with compressor | sqm | | 266.00 | 1.175 | 226.38 | 1.0936 | 247.57 | " |
| 7921 | Adhesive chemical | ml | | 2.36 | 1.175 | 2.01 | 1.0936 | 2.20 | " |
| 7922 | Bit of drilling machine for Hole upto 30mm dia | each | | 475.00 | 1.175 | 404.26 | 1.0936 | 442.09 | " |
| 7923 | GI injection nipple 12mm dia, 75mm long | each | | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | " |
| 7924 | Blowing compressed air for cleaning holes upto 30mm dia | each | | 10.00 | 1.175 | 8.51 | 1.0936 | 9.31 | " |
| 7925 | L shaped 100mm long, 10mm dia mild steel shear key | kg | | 67.10 | 1.175 | 57.11 | 1.0936 | 62.45 | " |
| 7926 | Welding charges of shear key to existing reinforcement | each | | 2.00 | 1.175 | 1.70 | 1.0936 | 1.86 | " |
| 7927 | Acrylic Polymer chemical for cracks | kg | | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | " |
| 7928 | Hire charges of Plant and machinery, it can inject - 350kg/day | day | | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | " |
| 8001 | 24 mm thick Factory made shutters with styles, rails and panels of PVC extruded sections in white, grey or wooden finish | sqm | 2236.45 | 1395.00 | 1.175 | 1187.23 | 1.0936 | 1298.36 | |
| 8002 | 30 mm thick Factory made shutters with styles, rails and panels of PVC extruded sections in white, grey or wooden finish | sqm | 2340.46 | 1522.00 | 1.175 | 1295.32 | 1.0936 | 1416.58 | |
| 8003 | Factory made PVC rigid foam panelled door shutter 30 mm thick | sqm | 2236.45 | 2200.00 | 1.175 | 1872.34 | 1.0936 | 2047.59 | |
| 8004 | Factory made PVC rigid foam panelled shutters as per I.S. 4020 i/c carriage | sqm | 2652.53 | 2600.00 | 1.175 | 2212.77 | 1.0936 | 2419.88 | |
| 8006 | Factory made PVC rigid foam sheet 1 mm thick | sqm | 192.43 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | |
| 8007 | Factory made PVC rigid foam sheet 5 mm thick | sqm | 657.41 | 632.00 | 1.175 | 537.87 | 1.0936 | 588.22 | |

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| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 8008 | Factory made Prelaminated PVC rigid foam sheet 5 mm thick | sqm | 782.23 | 752.00 | 1.175 | 640.00 | 1.0936 | 699.90 | * |
| 8010 | Factory made PVC Door frame 48x40x1.5 mm in white , grey or wooden finish | metre | 156.03 | 160.00 | 1.175 | 136.17 | 1.0936 | 148.92 | * |
| 8011 | Factory made door frame *PVC* extruded sheet i/c carriage | metre | 364.07 | 350.00 | 1.175 | 297.87 | 1.0936 | 325.75 | * |
| 8012 | Adhesive Solvent cement | litre | 171.64 | 140.00 | 1.175 | 119.15 | 1.0936 | 130.30 | * |
| 8013 | Factory made EPS Core wallpanel /roof panel sandwiched between two Engineered welded wire fabric mesh of 3 mm dia G.I wire mesh,with 50 mm pitch in both the directions, kept at 120-135 mm gap and interconnected by the zig zag G.I. wire of 3 mm dia at alternate row by welding. | | | 1650.00 | 1.175 | 1404.26 | 1.0936 | 1535.69 | * |
| 8014 | Factory made door frame of size 50x47 mm with wall thickness 5mm made of single piece extruded profile | metre | 509.70 | 500.00 | 1.175 | 425.53 | 1.0936 | 465.36 | * |
| 8015 | Expanded poly ethylene Foam sheet 4mm thick of Density 40kg/m3 | sqm | | 18.00 | 1.175 | 15.32 | 1.0936 | 16.75 | * |
| 8016 | High Density expanded poly ethylene (EPE) Foam 1mm thick | sqm | | 8.50 | 1.175 | 7.23 | 1.0936 | 7.91 | * |
| 8017 | Fire rated door frame made with 1.6 mm thick G.I sheet (120 minutes fire rating) | metre | | 950.00 | 1.175 | 808.51 | 1.0936 | 884.19 | * |
| 8018 | Fire rated door shutter made with 1.6 mm thick G.I sheet (120 minutes fire rating) including hinges ( without glass panels) | sqm | | 5000.00 | 1.175 | 4255.32 | 1.0936 | 4653.62 | * |
| 8021 | Bamboo wood Tile Flooring 14mm thick of minimum size 1800mm x 130mm | sqm | | 3775.00 | 1.175 | 3212.77 | 1.0936 | 3513.48 | * |
| 8022 | Bamboo wood Quarter Round 18mm thick of size 1900mm x 18mm | metre | | 125.00 | 1.175 | 106.38 | 1.0936 | 116.34 | * |
| 8023 | Bamboo wood door reducer 14mm thick of size 1900mm x 44mm | metre | | 275.00 | 1.175 | 234.04 | 1.0936 | 255.95 | * |
| 8024 | Bamboo wood Skirting 14mm thick of Size 1900mm x 85mm | sqm | | 325.00 | 1.175 | 276.60 | 1.0936 | 302.49 | * |
| 8025 | Bamboo wood Tile Wall Cladding 10mm thick of size 1900mm x 135mm | sqm | | 3375.00 | 1.175 | 2872.34 | 1.0936 | 3141.19 | * |
| 8026 | Bamboo wood T-mold 14mm thick of size 1900mm x 44mm | metre | | 275.00 | 1.175 | 234.04 | 1.0936 | 255.95 | * |
| 8027 | Bamboo wood Threshold 14mm thick of size 1900mm x 44mm | metre | | 275.00 | 1.175 | 234.04 | 1.0936 | 255.95 | * |
| 8028 | Bamboo wood shutter of doors | 10cudm | | 1800.00 | 1.175 | 1531.91 | 1.0936 | 1675.30 | * |
| 8029 | Bamboo wood panelling (10mm thick) | 10cudm | | 1800.00 | 1.175 | 1531.91 | 1.0936 | 1675.30 | * |
| 8030 | Superior class Bamboo wood door frame 65 mm thick, | 10cudm | | 1800.00 | 1.175 | 1531.91 | 1.0936 | 1675.30 | * |
| 8031 | Aluminium sheets Grade 5052, 4 mm thick for wall panel/deck panel/ WRB panel/Kicker Panels/door closing panels ( for form work) | sqm | | 8500.00 | 1.175 | 7234.04 | 1.0936 | 7911.15 | * |
| 8032 | Aluminium sheets Grade 5052, 4 mm thick for Column Corners/ ( for form work) Internal Corner/ | sqm | | 11500.00 | 1.175 | 9787.23 | 1.0936 | 10703.32 | * |
| 8033 | Aluminium sheets Grade 5052, 4 mm thick for ( for form work) | sqm | | 32000.00 | 1.175 | 27234.04 | 1.0936 | 29783.15 | * |
| | Accessories for aluminium form work | | | | 1.175 | 0.00 | 1.0936 | 0.00 | * |
| 8034 | External corner 2050 mm | each | | 1400.00 | 1.175 | 1191.49 | 1.0936 | 1303.01 | * |
| 8035 | External corner 825 mm | each | | 565.00 | 1.175 | 480.85 | 1.0936 | 525.86 | * |
| 8036 | soldier tie 370mm | each | | 274.00 | 1.175 | 233.19 | 1.0936 | 255.02 | * |
| 8037 | Adjustable prop-2.0 x2.0 m | each | | 1080.00 | 1.175 | 919.15 | 1.0936 | 1005.18 | * |
| 8038 | Pin-50 | each | | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | * |
| 8039 | Pin-127 | each | | 52.00 | 1.175 | 44.26 | 1.0936 | 48.40 | * |
| 8040 | wedge | each | | 14.00 | 1.175 | 11.91 | 1.0936 | 13.03 | * |
| 8041 | wall tie-150 (355 mm ) | each | | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | * |
| 8042 | Polythene Sleeve 90 x 150mm | each | | 3.00 | 1.175 | 2.55 | 1.0936 | 2.79 | * |
| 8043 | Polythene Roll - 150mm Long. | each | | 6.00 | 1.175 | 5.11 | 1.0936 | 5.58 | * |
| 8044 | Vertical Soldier -1100mm | each | | 351.00 | 1.175 | 298.72 | 1.0936 | 326.68 | * |
| 8045 | Wall Attached Bracket 600x1000mm | each | | 936.00 | 1.175 | 796.60 | 1.0936 | 871.16 | * |
| 8046 | Alignment Pipe - 3.00 Mtr. | each | | 960.00 | 1.175 | 817.02 | 1.0936 | 893.49 | * |
| 8047 | Alignment Bracket | each | | 450.00 | 1.175 | 382.98 | 1.0936 | 418.83 | * |
| 8048 | Tie Rod for Bracket - 500mm | each | | 108.00 | 1.175 | 91.91 | 1.0936 | 100.52 | * |
| 8049 | Anchor Wing Nut Ø100 mm | each | | 60.00 | 1.175 | 51.06 | 1.0936 | 55.84 | * |
| 8050 | Dowbit Pin - 250mm | each | | 58.00 | 1.175 | 47.66 | 1.0936 | 52.12 | * |
| 8051 | PVC Pipe Ø20mm – 150mm long | each | | 5.00 | 1.175 | 4.26 | 1.0936 | 4.66 | * |
| 8052 | PVC Cone | each | | 5.00 | 1.175 | 4.26 | 1.0936 | 4.65 | * |
| 8053 | Bolt+Nut - 16 x 80 mm | each | | 30.00 | 1.175 | 25.53 | 1.0936 | 27.92 | * |
| 8054 | Flat Washer Ø16, 3mm thik | each | | 5.00 | 1.175 | 4.26 | 1.0936 | 4.65 | * |
| 8055 | Bolt+Nut - 16 x 30 mm | each | | 18.00 | 1.175 | 15.32 | 1.0936 | 16.75 | * |
| 8056 | Dapor spacer 45x45x5-1135mm Long | each | | 340.00 | 1.175 | 289.36 | 1.0936 | 316.45 | * |

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| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 8057 | Door spacer 45x45x5 - 985mm long | each | | 295.00 | 1.175 | 251.06 | 1.0936 | 274.56 | * |
| 8100 | Powder coated M.S. Butt Hinges 100x58x1.9mm | 10 Nos | 88.42 | 85.00 | 1.175 | 72.34 | 1.0936 | 79.11 | * |
| 8101 | SS ball bearing of size 100 x89x3mm | each | | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |
| 8116 | Zinc alloy (white powder coated) 3D Hinges for uPVC door | each | | 455.00 | 1.175 | 387.23 | 1.0936 | 423.48 | * |
| 8117 | Zinc alloy (white powder coated) handles with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key for uPVC casement door | each set | | 2000.00 | 1.175 | 1702.13 | 1.0936 | 1861.45 | * |
| 8118 | Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding window | each set | | 950.00 | 1.175 | 808.51 | 1.0936 | 884.19 | * |
| 8119 | Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door | each set | | 1150.00 | 1.175 | 978.72 | 1.0936 | 1070.33 | * |
| 8121 | uPVC extruded (small series) casement window frame size 47x50mm | metre | | 247.00 | 1.175 | 210.21 | 1.0936 | 229.89 | * |
| 8122 | uPVC extruded (small series) casement window sash/window mullion size 47x68 mm | metre | | 267.00 | 1.175 | 227.23 | 1.0936 | 248.50 | * |
| 8125 | uPVC extruded glazing bead of appropriate dimension for small series casement window Sash | metre | | 90.00 | 1.175 | 76.60 | 1.0936 | 83.77 | * |
| 8126 | uPVC extruded (big series) casement window frame size 67x60 mm | metre | | 358.00 | 1.175 | 304.68 | 1.0936 | 333.20 | * |
| 8127 | uPVC extruded (big series) casement door frame size 67x64 mm | metre | | 370.00 | 1.175 | 314.89 | 1.0936 | 344.37 | * |
| 8128 | uPVC extruded (big series) casement window sash/window mullion/ door mullion size 67x80 mm | metre | | 423.00 | 1.175 | 360.00 | 1.0936 | 393.70 | * |
| 8129 | uPVC extruded (big series) casement door sash size 67x110 mm | metre | | 550.00 | 1.175 | 468.09 | 1.0936 | 511.90 | * |
| 8130 | uPVC extruded glazing bead of appropriate dimension for big series casement window/door sash | metre | | 114.00 | 1.175 | 97.02 | 1.0936 | 106.10 | * |
| 8131 | uPVC extruded glazing bead of appropriate dimension for small series sliding window sash | metre | | 55.00 | 1.175 | 46.81 | 1.0936 | 51.19 | * |
| 8132 | uPVC extruded glazing bead of appropriate dimension for big series of sliding window/ door sash | metre | | 82.00 | 1.175 | 69.79 | 1.0936 | 76.32 | * |
| 8133 | uPVC extruded (small series) 2 track sliding window frame size 52x 44 mm | metre | | 267.00 | 1.175 | 227.23 | 1.0936 | 248.50 | * |
| 8134 | uPVC extruded (big series) 2 track sliding window/door frame size 67x 50mm | metre | | 367.00 | 1.175 | 312.34 | 1.0936 | 341.58 | * |
| 8135 | uPVC extruded (small series) 3 track sliding window frame size 92x 44 mm | metre | | 360.00 | 1.175 | 306.38 | 1.0936 | 335.06 | * |
| 8136 | uPVC extruded (big series) 3 track sliding window/door frame size 116x45mm | metre | | 505.00 | 1.175 | 429.79 | 1.0936 | 470.02 | * |
| 8137 | uPVC extruded (small series) 2 track sliding window sash/3 track sliding window sash size 32x60mm | metre | | 251.00 | 1.175 | 213.62 | 1.0936 | 233.61 | * |
| 8138 | uPVC extruded (big series) 2 track sliding window sash size 46x62mm | metre | | 311.00 | 1.175 | 264.68 | 1.0936 | 289.45 | * |
| 8139 | uPVC extruded (big series) 3 track sliding window sash size 46x62mm | metre | | 311.00 | 1.175 | 264.68 | 1.0936 | 289.45 | * |
| 8140 | uPVC extruded interlock of appropriate dimension for small series sliding window sash | metre | | 75.00 | 1.175 | 63.83 | 1.0936 | 69.80 | * |
| 8141 | uPVC extruded interlock of appropriate dimension for big series sliding window/ door sash | metre | | 85.00 | 1.175 | 72.34 | 1.0936 | 79.11 | * |
| 8142 | uPVC extruded inline adaptor of appropriate dimension for big series sliding window/door sash | metre | | 85.00 | 1.175 | 72.34 | 1.0936 | 79.11 | * |
| 8143 | uPVC extruded 2 track sliding door sash/ 3 track sliding door sash (big series) size 46x82mm | metre | | 327.00 | 1.175 | 278.30 | 1.0936 | 304.35 | * |
| 9200 | APP modified Polymeric felt 1.5 mm thick | sqm | 62.41 | 75.00 | 1.175 | 63.83 | 1.0936 | 69.80 | * |
| 9201 | APP modified Polymeric felt 2.0 mm thick | sqm | 102.99 | 98.00 | 1.175 | 83.40 | 1.0936 | 91.21 | * |
| 9203 | A.P.P. modified 2 mm thick membrane reinforced with glass fibre matt. | sqm | 173.71 | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | * |
| 9204 | A.P.P. modified 3 mm thick membrane reinforced with glass fibre matt. | sqm | 215.32 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 9205 | A.P.P. modified 3 mm thick membrane reinforced with polyester matt. | sqm | 254.85 | 205.00 | 1.175 | 174.47 | 1.0936 | 190.80 | * |
| 9206 | Bitumen primer for bitumat membrane. | litre | 85.30 | 90.00 | 1.175 | 76.60 | 1.0936 | 83.77 | * |
| 9207 | Geotextile 120 gsm membrane | sqm | 39.53 | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | * |
| 9210 | Stainless Steel 50mm long Screws | 100 Nos. | 260.05 | 260.00 | 1.175 | 221.28 | 1.0936 | 241.99 | * |
| 9211 | Stainless Steel 40mm long Screws | 100 Nos. | 208.04 | 208.00 | 1.175 | 177.02 | 1.0936 | 193.59 | * |
| 9212 | Stainless Steel 30mm long Screws | 100. Nos | 56.03 | 180.00 | 1.175 | 153.19 | 1.0936 | 167.53 | * |
| 9214 | Stainless Steel 20mm long Screws | 100 Nos. | 104.02 | 120.00 | 1.175 | 102.13 | 1.0936 | 111.69 | * |
| 9215 | Stainless Steel 125x64x1.90mm Butt Hinge IS: 12817 marked | 10 Nos. | 260.05 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |

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| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 8216 | Stainless Steel 100x58x1.90mm Butt Hinge IS : 12817 marked | 10 Nos. | 239.25 | 230.00 | 1.175 | 195.74 | 1.0936 | 214.07 | * |
| 8217 | Stainless Steel 75x47x1.60mm Butt Hinge IS : 12817 marked | 10 Nos. | 156.03 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 8218 | Stainless Steel 50x37x1.50mm Butt Hinge IS: 12817 marked | 10 Nos. | 135.22 | 130.00 | 1.175 | 110.64 | 1.0936 | 120.99 | * |
| 8219 | Stainless Steel 125x64x2.50mm Butt Hinge IS: 12817 marked | 10 Nos. | 343.27 | 330.00 | 1.175 | 280.85 | 1.0936 | 307.14 | * |
| 8220 | Stainless Steel 100x60x2.50mm Butt Hinge IS:12817 marked | 10 Nos. | 249.65 | 240.00 | 1.175 | 204.26 | 1.0936 | 223.37 | * |
| 8221 | Stainless Steel 75x60x2.50mm Butt Hinge IS: 12817 marked | 10 Nos. | 202.84 | 195.00 | 1.175 | 165.96 | 1.0936 | 181.49 | * |
| 8222 | M. S. heavy weight butt hinges 125x90x4.00mm (heavy weight) IS: 1341 marked | 10 Nos. | 343.27 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 8223 | M. S. heavy weight butt hinges 100x75x3.50mm (heavy weight) IS: 1341 marked | 10 Nos. | 176.83 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 8224 | M.S. heavy weigh butt hinges 75x60x3.10mm (heavy weight) IS: 1341 marked | 10 Nos. | 93.62 | 90.00 | 1.175 | 76.60 | 1.0936 | 83.77 | * |
| 8225 | M.S. heavy weight butt hinges 50x40x2.50mm (heavy weight) IS: 1341 marked | 10 Nos. | 78.04 | 75.00 | 1.175 | 63.83 | 1.0936 | 69.80 | * |
| 8226 | Concealed zinc coated hinges 19-20 mm thick with mounting plate | 10 Nos. | | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 8300 | 1216 mm PE-AL-PE Composite pressure pipe | metre | 98.82 | 62.00 | 1.175 | 52.77 | 1.0936 | 57.70 | * |
| 8301 | 1620 mm PE-AL-PE Composite pressure pipe | metre | 130.03 | 78.00 | 1.175 | 66.38 | 1.0936 | 72.60 | * |
| 8302 | 2025 mm PE-AL-PE Composite pressure pipe | metre | 166.44 | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | * |
| 8303 | 2532 mm PE-AL-PE Composite pressure pipe | metre | 213.24 | 157.00 | 1.175 | 133.62 | 1.0936 | 146.12 | * |
| 8304 | 3240 mm PE-AL-PE Composite pressure pipe | metre | 353.68 | 235.00 | 1.175 | 200.00 | 1.0936 | 218.72 | * |
| 8305 | 4050 mm PE-AL-PE Composite pressure pipe | metre | 390.08 | 330.00 | 1.175 | 280.85 | 1.0936 | 307.14 | * |
| 8500 | Water for jetting / blowback | 1000 litre | | 1500.00 | 1.175 | 1276.60 | 1.0936 | 1396.09 | * |
| 8501 | Polymer modified cementation coating | kilogram | 140.43 | 140.00 | 1.175 | 119.15 | 1.0936 | 130.30 | * |
| 8502 | Fibre glass cloth | sqm | 45.77 | 44.00 | 1.175 | 37.45 | 1.0936 | 40.95 | * |
| 8503 | Fibre glass cloth | sqm | 48.84 | | 1.175 | 41.57 | 1.0936 | 45.46 | **** |
| 8504 | Multi surface paint | litre | 286.06 | 255.00 | 1.27 | 200.79 | 1.0936 | 219.58 | * |
| 8505 | Acralyc exterior paint | litre | 145.63 | 170.00 | 1.27 | 133.86 | 1.0936 | 146.39 | * |
| 8506 | Premium Acralyc exterior paint | litre | 244.45 | 203.00 | 1.27 | 159.84 | 1.0936 | 174.80 | * |
| 8507 | Textured exterior paint | litre | 208.04 | 230.00 | 1.27 | 181.10 | 1.0936 | 198.05 | * |
| 8508 | Primer for cement paint | litre | 81.13 | 70.00 | 1.175 | 59.57 | 1.0936 | 65.15 | * |
| 8509 | Special Primer (C.W.) | litre | 86.34 | 140.00 | 1.175 | 119.15 | 1.0936 | 130.30 | * |
| 8510 | Metal Primer (U.G.) | litre | 124.83 | 90.00 | 1.175 | 76.60 | 1.0936 | 83.77 | * |
| 8511 | Fibre reinforced elastomeric liquid water proofing membrane | litre | | 198.69 | 1.175 | 169.10 | 1.0936 | 184.93 | * |
| 8512 | Cementitious water proofing coating with elastic polymers | kg | | 189.13 | 1.175 | 160.96 | 1.0936 | 176.03 | * |
| 8513 | Acrylic modified resin based texture | kg | | 48.89 | 1.175 | 41.61 | 1.0936 | 45.50 | * |
| 8514 | 40 mm long S.S screws with plastic rawl plugs | each | | 38.00 | 1.175 | 32.34 | 1.0936 | 35.37 | * |
| 8515 | Galavanised MS 8 mm outer diameter M-8 dash fastener 50mm long | each | | 1.00 | 1.175 | 0.85 | 1.0936 | 0.93 | * |
| 8552 | Mineral fibre beveled tegular edged ceiling tiles 595 x595mm,16 mm thick | sqm | | 786.00 | 1.175 | 668.94 | 1.0936 | 731.55 | * |
| 8553 | Mineral fibre beveled tegular edged ceiling tiles 595 x595mm,16 mm thick with bio-block conforming to ISO 5 (class 100) specifications. | sqm | | 857.00 | 1.175 | 729.36 | 1.0936 | 797.63 | * |
| 8554 | Mineral fiber beveled tegular edged ceiling tiles 595 x595mm,20 mm thick. | sqm | | 990.00 | 1.175 | 842.55 | 1.0936 | 921.42 | * |
| 8555 | G.I main runner 15 x32 mm of 3000 mm length, 0.33 mm thick | each | | 177.00 | 1.175 | 150.64 | 1.0936 | 164.74 | * |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 8556 | G.I cross-T 15 x32 mm of 1200 mm length, 0.33 mm thick | each | | 73.00 | 1.175 | 62.13 | 1.0936 | 67.94 | * |
| 8558 | G.I hanger rod 6mm dia fully threaded upto 1000 mm length | each | | 25.00 | 1.175 | 21.28 | 1.0936 | 23.27 | * |
| 8559 | Stainless steel U Channel of size (50x25x2mm) | metre | | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 8560 | Non staining water resistant clear silicon | metre | | 61.00 | 1.175 | 51.91 | 1.0936 | 56.77 | * |
| 8561 | Extruded polystyrene rigid insulation board 50 mm thick | sqm | | 500.00 | 1.175 | 425.53 | 1.0936 | 465.36 | * |
| 8563 | 15 mm thick, light weight, integral densified micro look edged,false ceiling tiles of size 595x595 mm. | sqm | | 900.00 | 1.175 | 765.96 | 1.0936 | 837.65 | * |
| 8564 | 15 mm thick, light weight,fully perforated square/butt edge integral densified,false ceiling tiles of size 595x595 mm. | sqm | | 865.00 | 1.175 | 736.17 | 1.0936 | 805.08 | * |
| 8565 | Galavanised MS hanger rod 6 mm dia MS fully threaded up to 1000 mm length | each | | 25.00 | 1.175 | 21.28 | 1.0936 | 23.27 | * |
| 8566 | Powder coated steel section main-T ceiling sections 15x42x0.40 mm (3000 mm long) | each | | 225.00 | 1.175 | 191.49 | 1.0936 | 209.41 | * |
| 8567 | Galvanized mild steel perimeter wall angle 22x19x0.40 mm (3000 mm long) | each | | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | * |
| 8568 | Powder coated Galvanised Iron intermediate cross-T section 15x42x0.40 mm (1200 mm long) | each | | 90.00 | 1.175 | 76.60 | 1.0936 | 83.77 | * |
| 8569 | Powder coated Galvanized Iron intermediate cross-T section 15x42x0.40mm (600 mm long ) | each | | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | * |
| 3576 | Crates made of Mesh type 10x12 (D=100 mm) Zinc coated. (Mesh wire diameter 3.00 mm). | sqm | | 190.00 | 1.175 | 161.70 | 1.0936 | 176.84 | * |
| 3577 | Crates made of Mesh type 10x12 (D=100 mm) Zn+PVC coated. Mesh wire diameter 2.70/3.70 mm (ID/OD) | sqm | | 220.00 | 1.175 | 187.23 | 1.0936 | 204.76 | * |
| 3578 | Crates made of Mesh type 10x12 (D=100 mm) Zn+10% Al alloy + PVC coated. Mesh wire diameter 2.70/3.70 mm (ID/OD). | sqm | | 290.00 | 1.175 | 246.81 | 1.0936 | 269.91 | * |
| 3579 | Cold form light gauge Steel C-section of thickness 0.75mm c/c zink coating/slitting etc. | kg | | 126.00 | 1.175 | 107.23 | 1.0936 | 117.27 | * |
| 3580 | Wastage of cold form light gauge steel | kg | | 17.00 | 1.175 | 14.47 | 1.0936 | 15.82 | * |
| 3581 | 12 mm thick micro tegular edged semi perforated GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm | sqm | | 624.00 | 1.175 | 531.06 | 1.0936 | 580.77 | * |
| 3582 | 12 mm thick micro tegular edged fully perforated GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm | sqm | | 706.00 | 1.175 | 600.85 | 1.0936 | 657.09 | * |
| 3583 | 10 mm thick square edge fully perforated GRG(Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm | sqm | | 706.00 | 1.175 | 600.85 | 1.0936 | 657.09 | * |
| 3587 | Galvanized iron intermediate cross-T section 15x32x0.33 mm (600 mm long) | each | | 34.00 | 1.175 | 28.94 | 1.0936 | 31.64 | * |
| 3588 | Galavanised MS hanger rod 6mm dia MS fully threaded up to 1000 mm length | each | | 25.00 | 1.175 | 21.28 | 1.0936 | 23.27 | * |
| 3589 | Calcium Silicate tegular edged ceiling tiles 595x595 mm and 15mm thick | sqm | 892.50 | 860.00 | 1.175 | 731.91 | 1.0936 | 800.42 | * |
| 3590 | Galvanised Steel main Tee ceiling section Size 24x38x0.33 mm(3 metre long) | each | 199.72 | 113.00 | 1.175 | 96.17 | 1.0936 | 105.17 | * |
| 3591 | Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long) | each | 130.03 | 63.00 | 1.175 | 53.62 | 1.0936 | 58.64 | * |
| 3592 | Galvanised Steel intermediate cross T section Size 24 x 25 x0.33 mm (1.2 metre long) | each | 80.10 | 38.00 | 1.175 | 32.34 | 1.0936 | 35.37 | * |
| 3593 | Galvanised Steel intermediate cross T section Size 24 x 25 x0.33 mm ( 0.6 metre long) | each | 40.57 | 19.00 | 1.175 | 16.17 | 1.0936 | 17.68 | * |
| 3594 | Galvanised Steel soffit cleat size 25x35x1.60 mm | each | 3.12 | 4.00 | 1.175 | 3.40 | 1.0936 | 3.72 | * |
| 3595 | Wooden screws with plastic rawl plugs 35x8 mm | each | 0.62 | 1.00 | 1.175 | 0.85 | 1.0936 | 0.93 | * |
| 3598 | Galvanised MS 6mm outer diameter M-6 dash fastener 25mm long | each | | 31.00 | 1.175 | 26.38 | 1.0936 | 28.85 | |
| 3597 | GI Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick | sqm | 930.99 | 650.00 | 1.175 | 553.19 | 1.0936 | 604.97 | * |
| 3598 | GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick | sqm | 1040.21 | 812.00 | 1.175 | 691.06 | 1.0936 | 755.75 | * |
| 3599 | GI Metal Tile Lay-in Plain Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick | sqm | 841.53 | 510.00 | 1.175 | 434.04 | 1.0936 | 474.67 | * |
| 3600 | GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick | sqm | 942.43 | 610.00 | 1.175 | 519.15 | 1.0936 | 567.74 | * |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 8601 | PVC Laminated Gypsum Tiles (Square edge) of Size 595x595 mm and 12.5 mm thick | sqm | 486.82 | 470.00 | 1.175 | 400.00 | 1.0936 | 437.44 | * |
| 8602 | Gypsum Tiles Fully Perforated Square edge of Size 595x595 mm and 12.5 mm thick | sqm | 503.46 | 480.00 | 1.175 | 408.51 | 1.0936 | 446.75 | * |
| 8604 | Spring T-section 24x34x0.45 mm (3.00 meter long) | metre | 187.24 | 180.00 | 1.175 | 153.19 | 1.0936 | 167.53 | * |
| 8605 | C Wall angle section 20x30x20x0.50 mm (3.00 meter long) | metre | 161.23 | 90.00 | 1.175 | 76.60 | 1.0936 | 83.77 | * |
| 8606 | Main C Carrier Size 10x38x10x0.70 mm (3.00 meter long) | metre | 170.59 | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | * |
| 8607 | Spring T-connector | each | 5.20 | 5.00 | 1.175 | 4.26 | 1.0936 | 4.65 | * |
| 8608 | C Carrier Connector | each | 11.44 | 11.00 | 1.175 | 9.36 | 1.0936 | 10.24 | * |
| 8609 | C Suspension Clip | each | 11.44 | 8.00 | 1.175 | 6.81 | 1.0936 | 7.45 | * |
| 8610 | Wire Coupling Clip | each | 9.36 | 9.00 | 1.175 | 7.66 | 1.0936 | 8.38 | * |
| 8611 | Main T ceiling sections 24x38x0.3 mm (3 meter long) | each | 194.52 | 101.00 | 1.175 | 85.96 | 1.0936 | 94.00 | * |
| 8612 | Penmeter Wall angle 21 x21 mm ( 3 meter long) | each | 122.74 | 75.00 | 1.175 | 63.83 | 1.0936 | 69.80 | * |
| 8613 | Intermediate Cross Channel (1.2 mtrs) | each | 74.89 | 34.00 | 1.175 | 28.94 | 1.0936 | 31.64 | * |
| 8614 | Intermediate Cross Channel (1.6 mtrs) | each | 35.37 | 17.00 | 1.175 | 14.47 | 1.0936 | 15.82 | * |
| 8615 | Hanger rod 0.5 mm thick | each | 8.32 | 8.00 | 1.175 | 6.81 | 1.0936 | 7.45 | * |
| 8616 | Adjustment clip | each | 6.24 | 5.00 | 1.175 | 4.26 | 1.0936 | 4.65 | * |
| 8617 | Soffit Cleat | each | 3.12 | 4.00 | 1.175 | 3.40 | 1.0936 | 3.72 | * |
| 8618 | Dash fastener 6 mm dia 50 mm long | each | 11.44 | 8.00 | 1.175 | 6.81 | 1.0936 | 7.45 | * |
| 8619 | Galavanised MS L-shape level adjuster of size 85x25x2 mm | each | | 14.00 | 1.175 | 11.91 | 1.0936 | 13.03 | * |
| 8620 | Vitrified floor tiles 50x50 cm | sqm | 774.96 | 490.00 | 1.175 | 417.02 | 1.0936 | 456.05 | * |
| 8621 | Vitrified floor tiles 60x60 cm | sqm | 915.39 | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | * |
| 8622 | Vitrified floor tiles 80x80 cm | sqm | 1128.62 | 850.00 | 1.175 | 723.40 | 1.0936 | 791.11 | * |
| 8623 | Vitrified floor tiles 1.00x1.00 cm | sqm | 1716.34 | 1390.00 | 1.175 | 1182.98 | 1.0936 | 1293.71 | * |
| 8624 | *Border tiles 200x75mm size | each | | 16.00 | 1.175 | 13.62 | 1.0936 | 14.89 | |
| 8625 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 16 mm Outer dia | metre | 38.49 | | 1.175 | 32.76 | 1.0936 | 35.82 | **** |
| 8626 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 20mm Outer dia | metre | 59.29 | | 1.175 | 50.46 | 1.0936 | 55.18 | **** |
| 8627 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 25mm Outer dia | metre | 91.54 | | 1.175 | 77.91 | 1.0936 | 85.20 | **** |
| 8628 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 32mm Outer dia | metre | 147.71 | | 1.175 | 125.71 | 1.0936 | 137.48 | **** |
| 8629 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 40mm Outer dia | metre | 221.56 | | 1.175 | 188.56 | 1.0936 | 206.21 | **** |
| 8630 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 50mm Outer dia | metre | 346.39 | | 1.175 | 294.80 | 1.0936 | 322.39 | **** |
| 8631 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 63mm Outer dia | metre | 533.63 | | 1.175 | 454.15 | 1.0936 | 496.66 | **** |
| 8632 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 75mm Outer dia | metre | 728.15 | | 1.175 | 619.70 | 1.0936 | 677.71 | **** |
| 8633 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 90mm Outer dia | metre | 1108.87 | | 1.175 | 943.72 | 1.0936 | 1032.05 | **** |
| 8634 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR -11-110 mm Outer dia | metre | 1248.25 | | 1.175 | 1062.34 | 1.0936 | 1161.78 | **** |
| 8635 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR-11 - 160mm Outer dia | metre | 2600.52 | | 1.175 | 2213.21 | 1.0936 | 2420.36 | **** |
| 8636 | Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm outer dia | metre | 57.21 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | * |
| 8637 | Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm outer dia | metre | 70.74 | 54.00 | 1.175 | 45.96 | 1.0936 | 50.26 | * |
| 8638 | Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm outer dia | metre | 98.82 | 78.00 | 1.175 | 66.38 | 1.0936 | 72.60 | * |
| 8639 | Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia | metre | 135.22 | 117.00 | 1.175 | 99.57 | 1.0936 | 108.89 | * |
| 8640 | Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm outer dia | metre | 192.43 | 160.00 | 1.175 | 136.17 | 1.0936 | 148.92 | * |
| 8641 | Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm outer dia | metre | 312.07 | 268.00 | 1.175 | 228.09 | 1.0936 | 249.43 | * |
| 8642 | Chlorinated Polyvinyl - chloride (CPVC) pipe 62.5 mm inner dia | metre | 946.57 | 651.00 | 1.175 | 554.04 | 1.0936 | 605.90 | * |
| 8643 | Chlorinated Polyvinyl - chloride (CPVC) pipe 75 mm inner dia | metre | 1352.27 | 730.00 | 1.175 | 621.28 | 1.0936 | 679.43 | * |
| 8644 | Chlorinated Polyvinyl - chloride (CPVC) pipe 100 mm inner dia | metre | 1872.38 | 985.00 | 1.175 | 838.30 | 1.0936 | 916.76 | * |

| Item No | Description | Unit | Approved Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 8645 | Chlorinated Polyvinyl - chloride (CPVC) pipe 150 mm inner dia | metre | 2236.45 | 1462.00 | 1.175 | 1244.26 | 1.0936 | 1360.72 | * |
| 8646 | Silicon sealant | cartridge | 319.34 | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | * |
| 8647 | Stainless steel screws 30mmx4mm | cent | 30.16 | 32.00 | 1.175 | 27.23 | 1.0936 | 29.78 | * |
| 8648 | Hermetically sealed double glazed unit made with 6mm thick clear float glass both side having 12 mm air gap | sqm | 2382.07 | 2108.00 | 1.175 | 1794.04 | 1.0936 | 1961.96 | * |
| 8649 | Stainless steel (ss 304 grade) adjustable friction windows stay 205x19mm | each | 178.92 | 169.00 | 1.175 | 143.83 | 1.0936 | 157.29 | * |
| 8650 | Stainless steel (ss 304 grade) adjustable friction window stay 255x19mm | each | 223.65 | 219.00 | 1.175 | 186.38 | 1.0936 | 203.83 | * |
| 8651 | Stainless steel (ss 304 grade) adjustable friction window stay 355x19mm | each | 286.06 | 191.00 | 1.175 | 162.55 | 1.0936 | 177.77 | * |
| 8652 | Stainless steel (ss 304 grade) adjustable friction window stay 510x19mm | each | 509.70 | 515.00 | 1.175 | 438.30 | 1.0936 | 479.32 | * |
| 8653 | Stainless steel (ss 304 grade) adjustable friction window stay 710x19mm | each | 884.17 | 889.00 | 1.175 | 756.60 | 1.0936 | 827.41 | * |
| 8654 | Masking tape | metre | 2.60 | 2.30 | 1.175 | 1.96 | 1.0936 | 2.14 | * |
| 8655 | Autoclaved aerated cement (AAC) blocks. | cum | 2453.37 | 2101.20 | | 2101.20 | | 2101.20 | ** |
| 8656 | Gypsum panel 666x500x100 mm size | sqm | 499.30 | 480.00 | 1.175 | 408.51 | 1.0936 | 446.75 | * |
| 8657 | Bonding laster for gypsum panel. | kg | 57.21 | 21.00 | 1.175 | 17.87 | 1.0936 | 19.55 | * |
| 8658 | Mechanised autoclaved fly ash lime bricks | 1000 nos | 4764.61 | | 1.175 | 4054.99 | 1.0936 | 4434.53 | **** |
| 8659 | Water proof ply 12 mm thick. | sqm | 676.14 | 517.00 | 1.175 | 440.00 | 1.0936 | 481.18 | * |
| 8660 | Aluminium casement window fastener(anodised ac 15) | each | 41.61 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | * |
| 8661 | Aluminium casement window fastener(powder coated). | each | 42.65 | 43.00 | 1.175 | 36.60 | 1.0936 | 40.02 | * |
| 8662 | Aluminium casement window fastener (polyester powder coated). | each | 41.61 | 42.00 | 1.175 | 35.74 | 1.0936 | 39.09 | * |
| 8663 | Aluminium round shpe handle (anodised ac 15) | each | 50.97 | 49.00 | 1.175 | 41.70 | 1.0936 | 45.61 | * |
| 8664 | Aluminium round shpe handle (powder coated) | each | 56.17 | 54.00 | 1.175 | 45.96 | 1.0936 | 50.26 | * |
| 8665 | Aluminium round shape handle (polyester powder coated). | each | 61.38 | 59.00 | 1.175 | 50.21 | 1.0936 | 54.91 | * |
| 8666 | Stainless steel ocrews 25mmx4mm | cent | 33.29 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | * |
| 8667 | UV-stabilised 2 mm thick plain frp sheet. | sqm | 483.70 | 470.00 | 1.175 | 400.00 | 1.0936 | 437.44 | * |
| 8668 | UV stabilised 2 mm thick corrugated frp sheet. | sqm | 559.64 | 540.00 | 1.175 | 459.57 | 1.0936 | 502.59 | * |
| 8669 | Maingalore ridgetiles 20 mm thick | each | 30.16 | 8.00 | 1.175 | 6.81 | 1.0936 | 7.45 | * |
| 8670 | Maingalore tiles 20 mm thick. | each | 10.92 | 8.00 | 1.175 | 6.81 | 1.0936 | 7.45 | * |
| 8671 | Precoated galvanised iron rpfilesheet 0.50 mm tct | sqm | 452.49 | 376.00 | 1.175 | 319.15 | 1.0936 | 349.02 | * |
| 8672 | Precoated galvanised steel plain ridges. | metre | 457.69 | 230.00 | 1.175 | 195.74 | 1.0936 | 214.07 | * |
| 8673 | Precoated galvanised steel flashings/aprons. | metre | 457.69 | 230.00 | 1.175 | 195.74 | 1.0936 | 214.07 | * |
| 8674 | Precoated galvanised steel gutter | metre | 473.30 | 455.00 | 1.175 | 387.23 | 1.0936 | 423.48 | * |
| 8675 | Precoated galvanised steel north light curves. | metre | 473.30 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 8676 | Precoated galvanised steel barge board | metre | 462.89 | 235.00 | 1.175 | 200.00 | 1.0936 | 218.72 | * |
| 8677 | Precoated galvanised steel crimp curve | sqm | 494.10 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 8678 | 1 mm thick 35 mm wide bright finished stainless steel paino hinges. | metre | 41.61 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | * |
| 8682 | Epoxy Grout | kg | 530.51 | 371.00 | 1.175 | 315.74 | 1.0936 | 345.30 | * |
| 8683 | Red sand stone gang saw cut 30 mm thick. | sqm | 478.49 | 350.00 | 1.175 | 297.87 | 1.0936 | 325.75 | * |
| 8684 | White sand stone gang saw cut 30 mm thick. | sqm | 499.30 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 8685 | Delineator | each | 322.46 | 275.00 | 1.175 | 234.04 | 1.0936 | 255.95 | * |
| 8686 | Precast c.c. kerb stone M-25 | cum | 4264.85 | 3800.00 | 1.175 | 3234.04 | 1.0936 | 3538.75 | * |
| 8687 | Thermoplastic paint | kg | 65.53 | 47.00 | 1.27 | 37.01 | 1.0936 | 40.47 | * |
| 8688 | glass beads | kg | 64.50 | 60.00 | 1.175 | 51.06 | 1.0936 | 55.84 | * |
| 8689 | Interlocing c.c. paverblock (60 mm thick, m-30) | sqm | 338.06 | 350.00 | 1.175 | 297.87 | 1.0936 | 325.75 | * |
| 8690 | High intensity retro-reflective sheet. | sqm | 1586.32 | 1525.00 | 1.175 | 1297.87 | 1.0936 | 1419.35 | * |
| 8691 | Punched tape concertina coil 600 m dia. 10m openable length (total length 90 m) | bundle | 780.15 | 675.00 | 1.175 | 574.47 | 1.0936 | 628.24 | * |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 8692 | RBT reinforced barbed wire. | metre | 9.36 | 7.00 | 1.175 | 5.96 | 1.0936 | 6.52 | * |
| 8693 | Turn buckle and strengthening bolte | each set | 41.61 | 40.00 | 1.175 | 34.04 | 1.0936 | 37.23 | * |
| 8694 | Precast pavement slab 450x450x50 mm (m-30). | each | 62.41 | 70.00 | 1.175 | 59.57 | 1.0936 | 65.15 | * |
| 8695 | Chain link fabric fencing mesh of size 50x50xmm made of G.I wire of dia. 4mm, pvc coated to outer dia. 5mm. | sqm | 268.37 | 258.00 | 1.175 | 219.57 | 1.0936 | 240.13 | * |
| 8696 | Chain tind fabric fencing mesh of size 25x25xmm made of G.I wireof dia. 3 mm. | sqm | 296.46 | 285.00 | 1.175 | 242.55 | 1.0936 | 265.26 | * |
| 8697 | Chain link fencing mesh of size 25x25 mm made of g.i. wire of dia 3 mm. | sqm | 353.68 | 340.00 | 1.175 | 289.36 | 1.0936 | 316.45 | * |
| 8698 | Stainless steel cramps with nuts, bolts and washer for dry stone cladding. | each | 93.62 | 90.00 | 1.175 | 76.60 | 1.0936 | 83.77 | * |
| 8699 | 8 mm thick tapered edge calcium silicated board. | sqm | 382.79 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 8700 | 10 mm thick calcium silicate board. | sqm | 405.68 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |
| 8701 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 48.60 mm outer dia | metre | 707.34 | 584.00 | 1.175 | 497.02 | 1.0936 | 543.54 | * |
| 8702 | Coupling/Socket fittings for 15.88 mm outer dia SS pipe | each | 59.29 | 42.00 | 1.175 | 35.74 | 1.0936 | 39.09 | * |
| 8703 | Telescopic drawer channels 300 mm long. | set | 145.63 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 8704 | Stainless steel roller for sliding arrangement in racks/cupboards/cabinets shutter. | each | 8.32 | 9.00 | 1.175 | 7.66 | 1.0936 | 8.38 | * |
| 8705 | 50 mm x42mm x2 mm thick factory made door frame of pvc extruded sections in whiter, grey or wooden finish | metre | 145.63 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 8706 | 25mm thick factory made pvc flush door shutter i/c carriage. | sqm | 2236.45 | 1700.00 | 1.175 | 1446.81 | 1.0936 | 1582.23 | * |
| 8707 | Factory made glass reinforced plastic door frame 90x45 mm i/c carriage. | metre | 395.27 | 330.00 | 1.175 | 280.85 | 1.0936 | 307.14 | * |
| 8708 | 30 mm thick factory made glass fiber reinforced plastic panel door shutter i/c carriage. | sqm | 1924.39 | 1700.00 | 1.175 | 1446.81 | 1.0936 | 1582.23 | * |
| 8709 | 30 mm thick factory made solid PVC profile panelled door single piece extruded profile decorative finish (wood grain printed on both side) | sqm | 2758.55 | 2100.00 | 1.175 | 1787.23 | 1.0936 | 1954.52 | * |
| 8710 | Factory made solid PVC door frame 60x30xmm i/c carriage. | metre | 301.66 | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |
| 8711 | 28 mm factory made solid pvc panel door shutter i/c carriage. | sqm | 2340.46 | 2050.00 | 1.175 | 1744.68 | 1.0936 | 1907.98 | * |
| 8712 | 30 mm thick factory made solid PVC profile panelled door single piece extruded profile non decorative finish | sqm | 2192.76 | 2000.00 | 1.175 | 1702.13 | 1.0936 | 1861.45 | * |
| 8713 | Fiber glass reinforced plastic chajja. | sqm | 3744.75 | 3000.00 | 1.175 | 2553.19 | 1.0936 | 2792.17 | * |
| 8714 | Magnetic catcher triple strip horizontal type. | each | 20.80 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 8715 | Magnetic catcher double strip horizontal type. | each | 15.60 | 14.00 | 1.175 | 11.91 | 1.0936 | 13.03 | * |
| 8716 | 100 mm mortice lock with 6 levers for aluminium door. | each | 343.27 | 340.00 | 1.175 | 289.36 | 1.0936 | 316.45 | * |
| 8717 | 12.5 mm thick glass fibre reinforced gypsum board. | sqm | 176.83 | 195.00 | 1.175 | 165.96 | 1.0936 | 181.49 | * |
| 8719 | 2nd class teak wood lipping/moulded beading or taj beading of size,18x5mm | metre | 31.20 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | * |
| 8720 | Ceilling sections 0.55 mm thick having a knurled web of 51.55 mm and two flanges of 26 mm each with lips of 10.55 mm. | metre | 41.61 | 35.00 | 1.175 | 29.79 | 1.0936 | 32.58 | * |
| 8721 | Perimeter channel having one flange of 20 mm and anotherflange of 30 mm with thickness of 0.55 mm and web of length 27 mm. | metre | 26.01 | 22.00 | 1.175 | 18.72 | 1.0936 | 20.48 | * |
| 8722 | Nylon sleeves & wooden screws (40mm) | each | 2.08 | 2.00 | 1.175 | 1.70 | 1.0936 | 1.86 | * |
| 8723 | Counter sunk ribbed head screw 25 mm. | cent | 78.01 | 65.00 | 1.175 | 55.32 | 1.0936 | 60.50 | * |
| 8724 | 12 mm thick marine plywood conforming to is: 710 | sqm | 884.17 | 667.00 | 1.175 | 567.66 | 1.0936 | 620.79 | * |
| 8725 | 12 mm thick fire retardant plywood conforming to is:5509. | sqm | 915.39 | 800.00 | 1.175 | 680.85 | 1.0936 | 744.58 | * |
| 8726 | 1.5 mm thick decorative laminated sheet | sqm | 509.70 | 500.00 | 1.175 | 425.53 | 1.0936 | 465.36 | * |
| 8727 | 1.0 mm thick decorative laminated sheet | sqm | 395.27 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 8730 | 30 mm thick factory made glass fibre reinforced plastic flush door shutter i/c carriage. | sqm | 2236.45 | 2000.00 | 1.175 | 1702.13 | 1.0936 | 1861.45 | * |
| 8731 | High polymer modified quickset tile adhesive. | per kg | 17.68 | 9.00 | 1.175 | 7.66 | 1.0936 | 8.38 | * |
| 8732 | Synthetic ployster triangular fibre of length 12 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 | kg | 379.67 | 335.00 | 1.175 | 310.64 | 1.0936 | 339.71 | * |
| 8733 | Synthetic ployster triangular fibre of length 6 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 | kg | 379.67 | 400.00 | 1.175 | 340.43 | 1.0936 | 372.29 | * |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 8734 | P.V.C. Single piece extruded door frame of profile size 50 mm x 47 mm with wall thickness of 5 mm | metre | 364.07 | 247.00 | 1.175 | 210.21 | 1.0936 | 229.89 | * |
| 8735 | 35 mm thick factory made solid panel PVC door shutter of single piece extruded profile non decorative finished (Matt finished) | sqm | 2184.44 | 2150.00 | 1.175 | 1829.79 | 1.0936 | 2001.06 | * |
| 8736 | 35 mm thick factory made solid panel PVC door shutter of singlepiece extruded profile decorative finished (Wood grain | sqm | 2704.54 | 2600.00 | 1.175 | 2212.77 | 1.0936 | 2419.88 | * |
| 8737 | Stainless steel wire guage (Grade-304) aperture 1.4 mm and 0.50 mm dia wire | sqm | 863.37 | 650.00 | 1.175 | 553.19 | 1.0936 | 604.97 | * |
| 8738 | Factory made door frame fire rated ( 60 minutes) made with 16 SWG G.I. Sheet of section 143 mm x 57 mm duly filled with | metre | 1040.21 | 1050.00 | 1.175 | 893.62 | 1.0936 | 977.26 | * |
| 8739 | Fire rated door shuttere made with 16 SWG G.I. sheet (60 minutes) without panel | sqm | 5461.09 | 4500.00 | 1.175 | 3829.79 | 1.0936 | 4188.26 | * |
| 8740 | Fire seal Putty | kg | 728.15 | 280.00 | 1.175 | 238.30 | 1.0936 | 260.60 | * |
| 8741 | Clear fire resistant glass panes 6mm thick (60 minutes) | sqm | 21844.37 | 21500.00 | 1.175 | 18297.87 | 1.0936 | 20010.55 | * |
| 8742 | G.I. U beading of 16 SWG G.I. sheet (zinc coating >120gm/m2) with ceramic tape of suitable thickness and fire resistant primer | metre | 270.46 | 280.00 | 1.175 | 238.30 | 1.0936 | 260.60 | * |
| 8743 | Matrix Mineral Board | metre | 67.62 | 65.00 | 1.175 | 55.32 | 1.0936 | 60.50 | * |
| 8744 | Panic Bar / latch (Double point) | each | 5201.04 | 5200.00 | 1.175 | 4425.53 | 1.0936 | 4839.76 | * |
| 8745 | 65 mm x 55 mm x 2 mm thick Factory made door frame of PVCextruded section in white,grey or wooden finish | metre | 343.27 | 340.00 | 1.175 | 289.36 | 1.0936 | 316.45 | * |
| 8746 | 37 mm thick Factory made shutter with style,rails and panels of PVCextruded section in white or grey finish i/c carriage | sqm | 2444.49 | 2400.00 | 1.175 | 2042.55 | 1.0936 | 2233.74 | * |
| 8747 | 75 mm x 53 mm x 2.0 mm thick Factory made door frame of PVCextruded section in white,grey or wooden finish | metre | 364.07 | 380.00 | 1.175 | 323.40 | 1.0936 | 353.67 | * |
| 8748 | 37 mm thick Factory made fusion welded shutter with style, rails and panels of PVC extruded section in wooden finish | sqm | 2548.51 | 2600.00 | 1.175 | 2212.77 | 1.0936 | 2419.88 | * |
| 8750 | Zinc alloy (white powder coated) casement handle for uPVC windows | each | 166.44 | 122.00 | 1.175 | 103.83 | 1.0936 | 113.55 | * |
| 8751 | Zinc alloy (white powder coated) Touch Lock for UPVC windows | each | 114.42 | 100.00 | 1.175 | 85.11 | 1.0936 | 93.07 | * |
| 8752 | Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window | each | 52.01 | 55.00 | 1.175 | 46.81 | 1.0936 | 51.19 | * |
| 8753 | Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding | each | 88.42 | 90.00 | 1.175 | 76.60 | 1.0936 | 83.77 | * |
| 8754 | Zinc alloy (white powder coated) casement lock for UPVC windows | each | 104.02 | 110.00 | 1.175 | 93.62 | 1.0936 | 102.38 | * |
| 8755 | Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for UPVC windows | each | 239.25 | 195.00 | 1.175 | 165.96 | 1.0936 | 181.49 | * |
| 8756 | Stainless steel friction hinge of size 250 mm x 19 x 1.9 mm for UPVC windows | each | 301.66 | 220.00 | 1.175 | 187.23 | 1.0936 | 204.76 | * |
| 8757 | Stainless steel friction hinge of size3000 mm x 19 x 1.9 mm for UPVC windows | each | 384.88 | 235.00 | 1.175 | 200.00 | 1.0936 | 218.72 | * |
| 8758 | Stainless steel friction hinge of size350mm x 19 x 1.9 mm for UPVC windows | each | 436.88 | 320.00 | 1.175 | 272.34 | 1.0936 | 297.83 | * |
| 8759 | Stainless steel friction hinge of size 400 mm x 19 x 1.9 mm for UPVC windows | each | 551.31 | 350.00 | 1.175 | 297.87 | 1.0936 | 325.75 | * |
| 8760 | UPVC extruded profile casement window Frame (50 mm x 50 mm) | metre | 171.64 | | 1.175 | 146.08 | 1.0936 | 159.75 | **** |
| 8761 | UPVC extruded profile casement window sash (Style and Rail) (62 mm x34 mm) | metre | 156.03 | | 1.175 | 132.79 | 1.0936 | 145.22 | **** |
| 8762 | UPVC extruded profile casement window mullion (intermediate section)(86 mm x 50 mm) | metre | 192.43 | | 1.175 | 163.77 | 1.0936 | 179.10 | **** |
| 8763 | UPVC extruded profile casement window 'T' profile (one vertical lengthin between two shutters) (24 mm x 34.5 mm) | metre | 52.01 | | 1.175 | 44.26 | 1.0936 | 48.41 | **** |
| 8764 | UPVC extruded profile casement window glazing bead (12 mm x 18mmm) | metre | 52.01 | | 1.175 | 44.26 | 1.0936 | 48.41 | **** |
| 8765 | UPVC extruded profile casement window Frame ( 67 mm x 62 mm) | metre | 244.45 | | 1.175 | 208.04 | 1.0936 | 227.52 | **** |
| 8766 | UPVC extruded profile casement Window Sash/Mullion ( 67 mm x 75mmm) (Style,rail and intermediate section) | metre | 275.65 | | 1.175 | 234.60 | 1.0936 | 256.55 | **** |

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|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 8767 | UPVC extruded profile casement window glazing bead (35 mm x 18mm) | metre | 88.42 | | 1.175 | 75.25 | 1.0936 | 82.29 | **** |
| 8768 | UPVC extruded profile Two Track Sliding frame (67 mm x 52 mm) | metre | 254.85 | --- | 1.175 | 216.89 | 1.0936 | 237.19 | **** |
| 8769 | UPVC extruded profile Sliding window Sash (60 mm x 44 mm) | metre | 239.25 | | 1.175 | 203.62 | 1.0936 | 222.68 | **** |
| 8770 | UPVC extruded profile Sliding Interlock for Window (one vertical lengthin each shutter) (45.5 mm x 28 mm) | metre | 52.01 | | 1.175 | 44.26 | 1.0936 | 48.41 | **** |
| 8771 | UPVC extruded profile Sliding Door Sash (80 mm x 44 mm) | metre | 301.66 | | 1.175 | 256.73 | 1.0936 | 280.76 | **** |
| 8772 | Aluminium Track on bottom rail for uPVC window | metre | 26.01 | 28.00 | 1.175 | 23.83 | 1.0936 | 26.06 | * |
| 8773 | Wool Pine for uPVC window | metre | 18.72 | 20.00 | 1.175 | 17.02 | 1.0936 | 18.61 | * |
| 8774 | Aluminium Grill | metre | 260.05 | 250.00 | 1.175 | 212.77 | 1.0936 | 232.68 | * |
| 8775 | Steel Galvanised tubular reinforcement for uPVC door/ window | metre | 52.01 | 60.00 | 1.175 | 51.06 | 1.0936 | 55.84 | * |
| 8776 | Stainless steel dash fastener of 8 mm dia and 75 mm long bolt | each | 20.80 | 14.00 | 1.175 | 11.91 | 1.0936 | 13.03 | * |
| 8777 | GI Fastener 100x8 mm | each | | 15.00 | 1.175 | 12.77 | 1.0936 | 13.96 | |
| 8778 | Toughened glass 12 mm thickness | sqm | 1976.39 | 1747.00 | 1.175 | 1486.81 | 1.0936 | 1625.97 | * |
| 8779 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 15.88 mm outer dia | metre | 149.79 | 142.00 | 1.175 | 120.85 | 1.0936 | 132.16 | * |
| 8780 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 22.22 mm outer dia | metre | 264.22 | 254.00 | 1.175 | 216.17 | 1.0936 | 236.40 | * |
| 8781 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 28.58 mm outer dia | metre | 343.27 | 324.00 | 1.175 | 275.74 | 1.0936 | 301.55 | * |
| 8782 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 34.00 mm outer dia | metre | 486.82 | 462.00 | 1.175 | 393.19 | 1.0936 | 429.99 | * |
| 8783 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 42.70 mm outer dia | metre | 605.40 | 479.00 | 1.175 | 407.66 | 1.0936 | 445.82 | * |
| 8784 | 8 mm thick Calcium silicate perforated tiles of size 595 x595 mm | sqm | 715.66 | 690.00 | 1.175 | 587.23 | 1.0936 | 642.20 | * |
| 8785 | Interlocking C.C. paver block ( 80 mm thick, M-30) | sqm | | 370.00 | 1.175 | 314.89 | 1.0936 | 344.37 | * |
| 8786 | Coupling/Socket fittings for 22.22 mm outer dia SS pipe | each | 91.54 | 63.00 | 1.175 | 53.62 | 1.0936 | 58.64 | * |
| 8787 | Coupling/Socket fittings for 28.58 mm outer dia SS pipe | each | 112.35 | 89.00 | 1.175 | 75.74 | 1.0936 | 82.83 | * |
| 8788 | Coupling/Socket fittings for 34.00 mm outer dia SS pipe | each | 240.29 | 131.00 | 1.175 | 111.49 | 1.0936 | 121.92 | * |
| 8789 | Coupling/Socket fittings for 42.70 mm outer dia SS pipe | each | 343.27 | 158.00 | 1.175 | 134.47 | 1.0936 | 147.05 | * |
| 8790 | Coupling/Socket fittings for 48.60 mm outer dia SS pipe | each | 463.93 | 180.00 | 1.175 | 153.19 | 1.0936 | 167.53 | * |
| 8791 | Reducer for 22.22 mm X 15.88 mm outer Dia SS pipe | each | 107.14 | 103.00 | 1.175 | 87.66 | 1.0936 | 95.86 | * |
| 8792 | Reducer for 28.58 mm X 15.88 mm outer Dia SS pipe | each | 148.67 | 141.00 | 1.175 | 120.00 | 1.0936 | 131.23 | * |
| 8793 | Reducer for 28.58 mm X 22.22 mm outer Dia SS pipe | each | 150.83 | 145.00 | 1.175 | 123.40 | 1.0936 | 134.95 | * |
| 8794 | Reducer for 34.00 mm X 15.88 mm outer Dia SS pipe | each | 226.82 | 184.00 | 1.175 | 156.60 | 1.0936 | 171.25 | * |
| 8795 | Reducer for 34.00 mm X 22.22 mm outer Dia SS pipe | each | 246.53 | 187.00 | 1.175 | 159.15 | 1.0936 | 174.05 | * |
| 8796 | Reducer for 34.00 mm X 28.58 mm outer Dia SS pipe | each | 246.53 | 190.00 | 1.175 | 161.70 | 1.0936 | 176.84 | * |
| 8797 | Reducer for 42.70 mm X 15.88 mm outer Dia SS pipe | each | 373.43 | 359.00 | 1.175 | 305.53 | 1.0936 | 334.13 | * |
| 8798 | Reducer for 42.70 mm X 22.22 mm outer Dia SS pipe | each | 375.55 | 362.00 | 1.175 | 308.09 | 1.0936 | 336.82 | * |

| Item No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 8799 | Reducer for 42.70 mm X 28.58 mm outer Dia SS pipe | each | 378.55 | 362.00 | 1.175 | 308.09 | 1.0936 | 336.92 | * |
| 8800 | Reducer for 42.70 mm X 34.00 mm outer Dia SS pipe | each | 402.56 | 387.00 | 1.175 | 329.36 | 1.0936 | 360.19 | * |
| 8801 | Reducer for 48.60 mm X 15.88 mm outer Dia SS pipe | each | 486.82 | 410.00 | 1.175 | 348.94 | 1.0936 | 381.60 | * |
| 8802 | Reducer for 48.60 mm X 22.22 mm outer Dia SS pipe | each | 488.90 | 410.00 | 1.175 | 348.94 | 1.0936 | 381.60 | * |
| 8803 | Reducer for 48.60 mm X 28.58 mm outer Dia SS pipe | each | 493.06 | 410.00 | 1.175 | 348.94 | 1.0936 | 381.60 | * |
| 8804 | Reducer for 48.60 mm X 34.00 mm outer Dia SS pipe | each | 498.26 | 410.00 | 1.175 | 348.94 | 1.0936 | 381.60 | * |
| 8805 | Reducer for48.60 mm X 42.70 mm outer Dia SS pipe | each | 542.99 | 410.00 | 1.175 | 348.94 | 1.0936 | 381.60 | * |
| 8806 | Slip Coupling / Socket 15.88 mm outer dia SS pipe | each | 117.54 | 47.00 | 1.175 | 40.00 | 1.0936 | 43.74 | * |
| 8807 | Slip Coupling / Socket 22.22 mm outer dia SS pipe | each | 191.40 | 63.00 | 1.175 | 53.62 | 1.0936 | 58.64 | * |
| 8808 | Slip Coupling / Socket 28.58 mm outer dia SS pipe | each | 245.49 | 89.00 | 1.175 | 75.74 | 1.0936 | 82.83 | * |
| 8809 | Slip Coupling / Socket 34.00 mm outer dia SS pipe | each | 363.04 | 131.00 | 1.175 | 111.49 | 1.0936 | 121.92 | * |
| 8810 | Slip Coupling / Socket 42.70 mm outer dia SS pipe | each | 509.70 | 158.00 | 1.175 | 134.47 | 1.0936 | 147.05 | * |
| 8811 | Slip Coupling / Socket 48.60 mm outer dia SS pipe | each | 633.48 | 170.00 | 1.175 | 144.68 | 1.0936 | 158.22 | * |
| 8812 | Elbow 90o for 15.88 mm outer dia SS pipe | each | 89.46 | 58.00 | 1.175 | 49.36 | 1.0936 | 53.98 | * |
| 8813 | Elbow 90o for 22.22 mm outer dia SS pipe | each | 159.15 | 63.00 | 1.175 | 53.62 | 1.0936 | 58.64 | * |
| 8814 | Elbow 90o for 28.58 mm outer dia SS pipe | each | 219.49 | 96.00 | 1.175 | 81.70 | 1.0936 | 89.35 | * |
| 8815 | Elbow 90o for 34.00 mm outer dia SS pipe | each | 446.25 | 109.00 | 1.175 | 92.77 | 1.0936 | 101.45 | * |
| 8816 | Elbow 90o for 42.70 mm outer dia SS pipe | each | 683.42 | 116.00 | 1.175 | 98.72 | 1.0936 | 107.96 | * |
| 8817 | Elbow 90o for 48.60 mm outer dia SS pipe | each | 840.49 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 8818 | Reducing Elbow 90o for 22.22 mm X 15.88 mm outer dia SS pipe | each | 153.95 | 148.00 | 1.175 | 125.96 | 1.0936 | 137.75 | * |
| 8819 | Reducing Elbow 90o for 28.58 mm X 15.88 mm outer dia SS pipe | each | 224.68 | 191.00 | 1.175 | 162.55 | 1.0936 | 177.77 | * |
| 8820 | Reducing Elbow 90o for 28.58 mm X 22.22 mm outer dia SS pipe | each | 229.89 | 221.00 | 1.175 | 188.09 | 1.0936 | 205.69 | * |
| 8821 | Reducing Elbow 90o for 34.00 mm X 22.22 mm outer dia SS pipe | each | 333.91 | 287.00 | 1.175 | 244.26 | 1.0936 | 267.12 | * |
| 8822 | Reducing Elbow 90o for 34.00 mm X 28.58 mm outer dia SS pipe | each | 411.92 | 396.00 | 1.175 | 337.02 | 1.0936 | 368.57 | * |
| 8823 | Reducing Elbow 90o for 42.70 mm X 34.00 mm outer dia SS pipe | each | 726.06 | 179.00 | 1.175 | 152.34 | 1.0936 | 166.60 | * |
| 8824 | Equal Tee for 15.88 mm outer dia SS pipe | each | 165.39 | 159.00 | 1.175 | 135.32 | 1.0936 | 147.99 | * |
| 8825 | Equal Tee for 22.22 mm outer dia SS pipe | each | 240.29 | 231.00 | 1.175 | 196.60 | 1.0936 | 215.00 | * |
| 8826 | Equal Tee for 28.58 mm outer dia SS pipe | each | 307.90 | 273.00 | 1.175 | 232.34 | 1.0936 | 254.09 | * |
| 8827 | Equal Tee for 34.00 mm outer dia SS pipe | each | 641.81 | 437.00 | 1.175 | 371.91 | 1.0936 | 406.73 | * |
| 8828 | Equal Tee for 42.70 mm outer dia SS pipe | each | 898.74 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8829 | Equal Tee for 48.60 mm outer dia SS pipe | each | 1069.33 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8830 | Reducing Tee for 22.22 mm X 15.88 mm outer dia SS pipe | each | 234.04 | 179.00 | 1.175 | 152.34 | 1.0936 | 166.60 | * |

| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due Increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 8831 | Reducing Tee for 28.58 mm X 15.88 mm outer dia SS pipe | each | 291.26 | 273.00 | 1.175 | 232.34 | 1.0936 | 254.09 | * |
| 8832 | Reducing Tee for 28.58 mm X 22.22 mm outer dia SS pipe | each | 302.70 | 273.00 | 1.175 | 232.34 | 1.0936 | 254.09 | * |
| 8833 | Reducing Tee for 34.00 mm X 15.88 mm outer dia SS pipe | each | 570.03 | 437.00 | 1.175 | 371.91 | 1.0936 | 406.73 | * |
| 8834 | Reducing Tee for 34.00 mm X 22.22 mm outer dia SS pipe | each | 580.44 | 437.00 | 1.175 | 371.91 | 1.0936 | 406.73 | * |
| 8835 | Reducing Tee for 34.00 mm X 28.58 mm outer dia SS pipe | each | 586.68 | 437.00 | 1.175 | 371.91 | 1.0936 | 406.73 | * |
| 8836 | Reducing Tee for 42.70 mm X 15.88 mm outer dia SS pipe | each | 851.01 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8837 | Reducing Tee for 42.70 mm X 22.22 mm outer dia SS pipe | each | 854.01 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8838 | Reducing Tee for 42.70 mm X 28.58 mm outer dia SS pipe | each | 855.06 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8839 | Reducing Tee for 42.70 mm X 34.00 mm outer dia SS pipe | each | 863.37 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8840 | Reducing Tee for 48.60 mm X 15.88 mm outer dia SS pipe | each | 929.95 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8841 | Reducing Tee for 48.60 mm X 22.22 mm outer dia SS pipe | each | 949.71 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8842 | Reducing Tee for 48.60 mm X 28.58 mm outer dia SS pipe | each | 956.99 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8843 | Reducing Tee for 48.60mm X 34.00 mm outer dia SS pipe | each | 996.52 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8844 | Reducing Tee for 48.60mm X 42.70mm outer dia SS pipe | each | 1032.92 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8845 | Male thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded | each | 297.50 | 179.00 | 1.175 | 152.34 | 1.0936 | 166.60 | * |
| 8846 | Male thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded | each | 357.83 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 8847 | Male thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded | each | 382.79 | 205.00 | 1.175 | 174.47 | 1.0936 | 190.80 | * |
| 8848 | Male thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded | each | 430.64 | 273.00 | 1.175 | 232.34 | 1.0936 | 254.09 | * |
| 8849 | Male thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded | each | 449.37 | 273.00 | 1.175 | 232.34 | 1.0936 | 254.09 | * |
| 8850 | Male thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded | each | 502.42 | 273.00 | 1.175 | 232.34 | 1.0936 | 254.09 | * |
| 8851 | Male thread Tee for 34.00 mm outer dia X 15 mm nominal dia | each | 526.21 | 437.00 | 1.175 | 371.91 | 1.0936 | 406.73 | * |
| 8852 | Male thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded | each | 677.18 | 437.00 | 1.175 | 371.91 | 1.0936 | 406.73 | * |
| 8853 | Male thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded | each | 808.24 | 437.00 | 1.175 | 371.91 | 1.0936 | 406.73 | * |
| 8854 | Male thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded | each | 1020.44 | 437.00 | 1.175 | 371.91 | 1.0936 | 406.73 | * |
| 8855 | Male thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded | each | 955.95 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8856 | Male thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded | each | 978.84 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8857 | Male thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded | each | 1065.17 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8858 | Male thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded | each | 1182.71 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8859 | Male thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded | each | 1436.52 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8860 | Male thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded | each | 1040.21 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8861 | Male thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded | each | 1071.41 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8862 | Male thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded | each | 1117.18 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |

| ode No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 8863 | Male thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded | each | 1341.87 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8864 | Male thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded | each | 1488.54 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8865 | Male thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded | each | 1819.33 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8866 | Female thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded | each | 303.74 | 179.00 | 1.175 | 152.34 | 1.0936 | 166.60 | * |
| 8867 | Female thread Tee for 22.22 mm outer dia X 15 mm nominal dia | each | 357.83 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 8868 | Female thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded | each | 370.31 | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 8869 | Female thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded | each | 462.89 | 273.00 | 1.175 | 232.34 | 1.0936 | 254.09 | * |
| 8870 | Female thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded | each | 473.30 | 273.00 | 1.175 | 232.34 | 1.0936 | 254.09 | * |
| 8871 | Female thread Tee for 28.58 mm outer dia X 25 mm nominal dia threaded | each | 518.03 | 273.00 | 1.175 | 232.34 | 1.0936 | 254.09 | * |
| 8872 | Female thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded | each | 694.86 | 437.00 | 1.175 | 371.91 | 1.0936 | 406.73 | * |
| 8873 | Female thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded | each | 706.30 | 437.00 | 1.175 | 371.91 | 1.0936 | 406.73 | * |
| 8874 | Female thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded | each | 796.80 | 437.00 | 1.175 | 371.91 | 1.0936 | 406.73 | * |
| 8875 | Female thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded | each | 946.59 | 437.00 | 1.175 | 371.91 | 1.0936 | 406.73 | * |
| 8876 | Female thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded | each | 929.95 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8877 | Female thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded | each | 946.59 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8878 | Female thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded | each | 1063.09 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8879 | Female thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded | each | 1109.90 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8880 | Female thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded | each | 1208.72 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8881 | Female thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded | each | 1107.82 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8882 | Female thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded | each | 1119.26 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8883 | Female thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded | each | 1159.83 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8884 | Female thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded | each | 1231.61 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8885 | Female thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded | each | 1262.58 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8886 | Female thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded | each | 1420.92 | 887.00 | 1.175 | 754.89 | 1.0936 | 825.55 | * |
| 8887 | Female threaded Connector/Adapter for 15.88 mm outer dia X 15mm nominal threaded | each | 197.64 | 190.00 | 1.175 | 161.70 | 1.0936 | 176.84 | * |
| 8888 | Female threaded Connector/Adapter for 22.22 mm outer dia X 15mm nominal threaded | each | 239.25 | 230.00 | 1.175 | 195.74 | 1.0936 | 214.07 | * |
| 8889 | Female threaded Connector/Adapter for 22.22 mm outer dia X 20mm nominal threaded | each | 248.53 | 237.00 | 1.175 | 201.70 | 1.0936 | 220.58 | * |
| 8890 | Female threaded Connector/Adapter for 28.58 mm outer dia X 15mm nominal threaded | each | 288.14 | 277.00 | 1.175 | 235.74 | 1.0936 | 257.81 | * |
| 8891 | Female threaded Connector/Adapter for 28.58 mm outer dia X 20mm nominal threaded | each | 297.50 | 286.00 | 1.175 | 243.40 | 1.0936 | 266.19 | * |
| 8892 | Female threaded Connector/Adapter for 28.58 mm outer dia X 25mm nominal threaded | each | 350.55 | 337.00 | 1.175 | 286.81 | 1.0936 | 313.65 | * |
| 8893 | Female threaded Connector/Adapter for 34.00 mm outer dia X 25mm nominal threaded | each | 425.45 | 409.00 | 1.175 | 348.09 | 1.0936 | 380.67 | * |
| 8894 | Female threaded Connector/Adapter for 34.00 mm outer dia X 32mm nominal threaded | each | 559.64 | 538.00 | 1.175 | 457.87 | 1.0936 | 500.73 | * |

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| S.R NO | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due Increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 8895 | Female threaded Connector/Adapter for 42.70 mm outer dia X 32.mm nominal threaded | each | 599.16 | 576.00 | 1.175 | 490.21 | 1.0936 | 536.10 | * |
| 8896 | Female threaded Connector/Adapter for 42.70 mm outer dia X 40mm nominal threaded | each | 708.38 | 681.00 | 1.175 | 579.57 | 1.0936 | 633.82 | * |
| 8897 | Female threaded Connector/Adapter for 48.60 mm outer dia X 40mm nominal threaded | each | 871.69 | 838.00 | 1.175 | 713.19 | 1.0936 | 779.95 | * |
| 8898 | Female threaded Connector/Adapter for 48.60 mm outer dia X 50mm nominal threaded | each | 1003.80 | 965.00 | 1.175 | 821.28 | 1.0936 | 898.15 | * |
| 8899 | Male threaded Connector/Adapter for 15.88 mm outer dia X 15mm nominal threaded | each | 200.76 | 193.00 | 1.175 | 164.26 | 1.0936 | 179.63 | * |
| 8900 | Male threaded Connector/Adapter for 22.22 mm outer dia X 15mm nominal threaded | each | 236.13 | 227.00 | 1.175 | 193.19 | 1.0936 | 211.27 | * |
| 8901 | Male threaded Connector/Adapter for 22.22 mm outer dia X 20mm nominal threaded | each | 257.97 | 248.00 | 1.175 | 211.06 | 1.0936 | 230.82 | * |
| 8902 | Male threaded Connector/Adapter for 28.58 mm outer dia X 20mm nominal threaded | each | 325.58 | 313.00 | 1.175 | 266.38 | 1.0936 | 291.32 | * |
| 8903 | Male threaded Connector/Adapter for 28.58 mm outer dia X 25mm nominal threaded | each | 332.87 | 320.00 | 1.175 | 272.34 | 1.0936 | 297.83 | * |
| 8904 | Male threaded Connector/Adapter for 34.00 mm outer dia X 25nominal dia threaded | each | 479.54 | 461.00 | 1.175 | 392.34 | 1.0936 | 429.06 | * |
| 8905 | Male threaded Connector/Adapter for 34.00 mm outer dia X 32nominal dia threaded | each | 587.72 | 565.00 | 1.175 | 480.85 | 1.0936 | 525.86 | * |
| 8906 | Male threaded Connector/Adapter for 42.70 mm outer dia X 32nominal dia threaded | each | 675.09 | 649.00 | 1.175 | 552.34 | 1.0936 | 604.04 | * |
| 8907 | Male threaded Connector/Adapter for 42.70 mm outer dia X 40 nominal dia threaded | each | 755.19 | 726.00 | 1.175 | 617.87 | 1.0936 | 675.71 | * |
| 8908 | Male threaded Connector/Adapter for 48.60 mm outer dia X 40 | each | 873.78 | 840.00 | 1.175 | 714.89 | 1.0936 | 781.81 | * |
| 8909 | Male threaded Connector/Adapter for 48.60 mm outer dia X 50 nominal dia threaded | each | 1183.76 | 1138.00 | 1.175 | 968.51 | 1.0936 | 1059.16 | * |
| 8910 | Valve Connector for 15.88 mm outer dia X 15 mm nominal dia nominal dia threaded | each | 243.41 | 234.00 | 1.175 | 199.15 | 1.0936 | 217.79 | * |
| 8911 | Valve Connector for 22.22 mm outer dia X 15 mm nominal dia nominal dia threaded | each | 287.10 | 276.00 | 1.175 | 234.89 | 1.0936 | 256.88 | * |
| 8912 | Valve Connector for 22.22 mm outer dia X 20 mm nominal dia nominal dia threaded | each | 306.86 | 295.00 | 1.175 | 251.06 | 1.0936 | 274.56 | * |
| 8913 | Valve Connector for 28.58 mm outer dia X 25 mm nominal dia nominal dia threaded | each | 441.05 | 424.00 | 1.175 | 360.85 | 1.0936 | 394.63 | * |
| 8914 | Valve Connector for 34.00 mm outer dia X 32 mm nominal dia nominal dia threaded | each | 654.29 | 629.00 | 1.175 | 535.32 | 1.0936 | 585.43 | * |
| 8915 | Valve Connector for 42.70 mm outer dia X 40 mm nominal dia nominal dia threaded | each | 910.18 | 875.00 | 1.175 | 744.68 | 1.0936 | 814.38 | * |
| 8916 | Valve Connector for 48.60 mm outer dia X 50 mm nominal dia nominal dia threaded | each | 1223.28 | 1176.00 | 1.175 | 1000.85 | 1.0936 | 1094.53 | * |
| 8917 | Female Threaded Elbow 90o for 15.88 mm outer dia X 15 mm nominal dia threaded | each | 213.24 | 150.00 | 1.175 | 127.66 | 1.0936 | 139.61 | * |
| 8918 | Female Threaded Elbow 90o for 22.22 mm outer dia X 15 mm nominal dia threaded | each | 286.06 | 191.00 | 1.175 | 162.55 | 1.0936 | 177.77 | * |
| 8919 | Female Threaded Elbow 90o for 22.22 mm outer dia X 20 mm nominal dia threaded | each | 295.42 | 191.00 | 1.175 | 162.55 | 1.0936 | 177.77 | * |
| 8920 | Female Threaded Elbow 90o for 28.58 mm outer dia X 25 mm nominal dia threaded | each | 437.93 | 205.00 | 1.175 | 174.47 | 1.0936 | 190.80 | * |
| 8921 | Female Threaded Elbow 90o for 34.00 mm outer dia X 32 mm nominal dia threaded | each | 762.48 | 287.00 | 1.175 | 244.26 | 1.0936 | 267.12 | * |
| 8922 | Female Threaded Elbow 90o for 42.70 mm outer dia X 32 mm nominal dia threaded | each | 956.99 | 478.00 | 1.175 | 406.81 | 1.0936 | 444.89 | * |
| 8923 | Female Threaded Elbow 90o for 42.70 mm outer dia X40 mm nominal dia threaded | each | 1035.01 | 478.00 | 1.175 | 406.81 | 1.0936 | 444.89 | * |
| 8924 | Female Threaded Elbow 90o for 48.60 mm outer dia X 40 mm nominal dia threaded | each | 1147.35 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8925 | Female Threaded Elbow 90o for 48.60 mm outer dia X 50 mm nominal dia threaded | each | 1337.70 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8926 | Male Threaded Elbow 90o for 15.88 mm outer dia X 15 mm nominal dia threaded | each | 224.68 | 191.00 | 1.175 | 162.55 | 1.0936 | 177.77 | * |

| odeNo | Description | Unit | Precent Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due Increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 8927 | Male Threaded Elbow 90o for 22.22 mm outer dia X 15 mm nominal dia threaded | each | 283.98 | 205.00 | 1.175 | 174.47 | 1.0936 | 190.80 | * |
| 8928 | Male Threaded Elbow 90o for 22.22 mm outer dia X 20 mm nominal dia threaded | each | 299.58 | 205.00 | 1.175 | 174.47 | 1.0936 | 190.80 | * |
| 8929 | Male Threaded Elbow 90o for 28.58 mm outer dia X 25 mm nominal dia threaded | each | 392.15 | 205.00 | 1.175 | 174.47 | 1.0936 | 190.80 | * |
| 8930 | MaleThreaded Elbow 90o for 34.00 mm outer dia X 25 mm nominal dia threaded | each | 629.33 | 287.00 | 1.175 | 244.26 | 1.0936 | 267.12 | * |
| 8931 | Male Threaded Elbow 90o for 34.00 mm outer dia X 32 mm nominal dia threaded | each | 765.60 | 287.00 | 1.175 | 244.26 | 1.0936 | 267.12 | * |
| 8932 | Male Threaded Elbow 90o for 42.70 mm outer dia X 32 mm nominal dia threaded | each | 971.56 | 478.00 | 1.175 | 406.81 | 1.0936 | 444.89 | * |
| 8933 | Male Threaded Elbow 90o for 42.70 mm outer dia X40 mm nominal dia threaded | each | 1102.63 | 478.00 | 1.175 | 406.81 | 1.0936 | 444.89 | * |
| 8934 | Male Threaded Elbow 90o for 48.60 mm outer dia X 40 mm nominal dia threaded | each | 1237.85 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8935 | Male Threaded Elbow 90o for 48.60 mm outer dia X 50 mm nominal | each | 1507.26 | 683.00 | 1.175 | 581.28 | 1.0936 | 635.68 | * |
| 8936 | Cap for 15.88 mm outer dia pipe | each | 46.81 | 45.00 | 1.175 | 38.30 | 1.0936 | 41.88 | * |
| 8937 | Cap for 22.22 mm outer dia pipe | each | 66.57 | 64.00 | 1.175 | 54.47 | 1.0936 | 59.57 | * |
| 8938 | Cap for 28.58 mm outer dia pipe | each | 87.37 | 84.00 | 1.175 | 71.49 | 1.0936 | 78.18 | * |
| 8939 | Cap for 34.00 mm outer dia pipe | each | 179.95 | 173.00 | 1.175 | 147.23 | 1.0936 | 161.02 | * |
| 8940 | Cap for 42.70 mm outer dia pipe | each | 263.17 | 253.00 | 1.175 | 215.32 | 1.0936 | 235.47 | * |
| 8941 | Cap for 48.60 mm outer dia pipe | each | 343.27 | 330.00 | 1.175 | 280.85 | 1.0936 | 307.14 | * |
| 8942 | Pipe Bridge for 15.88 mm outer dia pipe | each | 226.61 | 214.00 | 1.175 | 182.13 | 1.0936 | 199.17 | * |
| 3943 | Pipe Bridge for 15.88 mm outer dia pipe | each | 281.89 | 271.00 | 1.175 | 230.64 | 1.0936 | 252.23 | * |
| 3944 | Pipe Bridge for 28.58 mm outer dia pipe | each | 423.37 | 407.00 | 1.175 | 346.38 | 1.0936 | 378.80 | * |
| 3945 | 4 Point facade glass bracket | Nos | 3451.41 | 3318.00 | 1.175 | 2823.83 | 1.0936 | 3088.14 | * |
| 3946 | 2 Point facade glass bracket | Nos | 1725.70 | 1659.00 | 1.175 | 1411.91 | 1.0936 | 1544.07 | * |
| 3947 | 1 Point facade glass bracket | Nos | 1460.45 | 1300.00 | 1.175 | 1106.38 | 1.0936 | 1209.94 | * |
| 3948 | Flate head bolt | Nos | 677.18 | 651.00 | 1.175 | 554.04 | 1.0936 | 605.90 | * |
| 3949 | 400 fin plate at top | pair | 6169.48 | 5931.00 | 1.175 | 5047.66 | 1.0936 | 5520.12 | * |
| 3953 | Micro Silica | kg | 33.29 | 32.00 | 1.175 | 27.23 | 1.0936 | 29.78 | * |
| 3954 | Stop end tubes for diaphragmwall 600 mm dia. | sqm | 4.68 | 4.50 | 1.175 | 3.83 | 1.0936 | 4.19 | * |
| 3955 | Driving end tubes for diaphragm wall 600 mm dia. | sqm | 74.89 | 72.00 | 1.175 | 61.28 | 1.0936 | 67.01 | * |
| 3956 | Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 15 kN/m in the longitudinal and transverse direction | sqm | | 95.00 | 1.175 | 80.85 | 1.0936 | 88.42 | * |
| 3957 | Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 20kN/m in the longitudinal and transverse direction | sqm | | 109.00 | 1.175 | 92.77 | 1.0936 | 101.45 | * |
| 3958 | Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 30kN/m in the longitudinal and transverse direction | sqm | | 178.00 | 1.175 | 151.49 | 1.0936 | 165.67 | * |
| 3959 | Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 40kN/m in the longitudinal and transverse direction | sqm | | 260.00 | 1.175 | 221.28 | 1.0936 | 241.99 | * |
| 3960 | Geosynthetic Drainage with two filtering nonwoven geotextiles having a "W" configuration as longitudinal parallel channels. Minimum thickness to be 7.2 mm, with two filtering UV stabilized polypropylene nonwoven geotextile of minimum thickness of 0.75mm having pores of 150 micron and tensile strength of 8.0 kN/m and having plane flow capacity of 2.1 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure ,tensile strength of 18 kN/m , with a mass per unit area of 740 gsm. | sqm | | 504.00 | 1.175 | 428.94 | 1.0936 | 469.08 | * |

| Code No | Description | Unit | Present Approved rate | Rate as per DSR-2013 | Deduction for VAT & excise | Rate after deduction vat & excise | Increase due increase in WPI from April 2018 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| 8981 | Geosynthetic Drainage Composite having thermobonding a draining core - HDPE geonet comprises of two sets of parallel overlayed ribs integrally connected to have a rhomboidal shape with a polyethylene film and a nonwoven geotextile having mass per unit area 130 g/m2 and tensile strength of 8.0 kN/m having in plane flow capacity of 0.7 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure and tensile strength of 13.5 kN/m , with mass per unit area of 830 gsm. | sqm | | 600.00 | 1.175 | 510.64 | 1.0936 | 558.43 | * |
| 8962 | Synthetic Geogrid having Ultimate tensile strength- 100 kN/m | sqm | | 200.00 | 1.175 | 170.21 | 1.0936 | 186.14 | * |
| 8963 | Synthetic Geogrid Ultimate tensile strength- 150 kN/m | sqm | | 220.00 | 1.175 | 187.23 | 1.0936 | 204.76 | * |
| 8964 | Synthetic Geogrid Ultimate tensile strength- 200 kN/m | sqm | | 300.00 | 1.175 | 255.32 | 1.0936 | 279.22 | * |
| 8965 | Synthetic Geogrid Ultimate tensile strength- 250 kN/m | sqm | | 330.00 | 1.175 | 280.85 | 1.0936 | 307.14 | * |
| 8966 | Synthetic Geogrid Ultimate tensile strength- 300kN/m | sqm | | 350.00 | 1.175 | 297.87 | 1.0936 | 325.75 | * |
| 8967 | Synthetic Geogrid Ultimate tensile strength- 350kN/m | sqm | | 390.00 | 1.175 | 331.91 | 1.0936 | 362.98 | * |
| 8968 | Synthetic Geogrid Ultimate tensile strength- 400kN/m | sqm | | 420.00 | 1.175 | 357.45 | 1.0936 | 390.90 | * |
| 8969 | Synthetic Geogrid Ultimate tensile strength- 500kN/m | sqm | | 500.00 | 1.175 | 425.53 | 1.0936 | 465.36 | * |
| 8970 | Synthetic Geogrid Ultimate tensile strength- 600kN/m | sqm | | 550.00 | 1.175 | 468.09 | 1.0936 | 511.90 | * |
| 8971 | Synthetic Geogrid Ultimate tensile strength- 700kN/m | sqm | | 650.00 | 1.175 | 553.19 | 1.0936 | 604.97 | * |
| 8972 | Synthetic Geogrid Ultimate tensile strength- 800kN/m | sqm | | 708.00 | 1.175 | 602.55 | 1.0936 | 658.95 | * |
| 8973 | Synthetic Geogrid Ultimate tensile strength- 900kN/m | sqm | | 841.00 | 1.175 | 715.74 | 1.0936 | 782.74 | * |
| 8974 | Synthetic Geogrid Ultimate tensile strength- 1000kN/m | sqm | | 950.00 | 1.175 | 808.51 | 1.0936 | 884.19 | * |
| 8975 | Synthetic Geogrid Ultimate tensile strength- 1100kN/m | sqm | | 1000.00 | 1.175 | 851.06 | 1.0936 | 930.72 | * |
| 8976 | Synthetic Geogrid Ultimate tensile strength- 1200kN/m | sqm | | 1088.00 | 1.175 | 925.96 | 1.0936 | 1012.63 | * |
| 8977 | Aluminium profile industrial troughed sheet of Alloy 31500/31000/ 40800, conforming to IS 1254, IS 737, IS 2676, 0.71 mm thick, the profile detail width 1044/920 mm, cover width 1000/875 mm | sqm | | 570.00 | 1.175 | 485.11 | 1.0936 | 530.51 | * |
| 8978 | Aluminium profile industrial troughed sheet of Alloy 31500/31000/ 40800, conforming to IS 1254, IS 737, IS 2676, 0.91 mm thick, the profile detail width 1044/920 mm, cover width 1000/875 mm | sqm | | 736.00 | 1.175 | 626.38 | 1.0936 | 685.01 | * |
| 9001 | C.P. Brass Centre Hole Basin Mixer With Cast Spout | each | | 1200.00 | 1.175 | 1021.28 | 1.0936 | 1116.87 | * |
| 9977 | Carriage | L.S. | | 1.73 | 1.05 | 1.65 | 1.0936 | 1.80 | * |
| 9988 | Carriage and sundries | L.S. | | 1.73 | 1.05 | 1.65 | 1.0936 | 1.80 | * |
| 9999 | Sundries | L.S. | 1.76 | 1.73 | 1.05 | 1.65 | 1.0936 | 1.80 | * |
| 0842 | Ready mix paint for wood work | Per litre | 211.70 | 211.77 | 1.27 | 166.75 | 1.0936 | 182.36 | * |
| 0843 | Ready mix paint for steel work | Per litre | 211.70 | 211.77 | 1.27 | 166.75 | 1.0936 | 182.36 | * |
| 0288 | Brick Khoa | Per m3 | 1523.55 | | | 1095.00 | | 1095.00 | ** |
| 1002 | Mild steel round bar 12mm dia and below | quintal | 3239.25 | | | 4545.00 | | 4545.00 | ** |
| 1007 | Structural steel | quintal | 3711.75 | | | 4155.00 | | 4155.00 | ** |
| 0993 | Plain A.C sheet standard quality(6mm thick) | sqm | 190.45 | | 1.175 | 162.09 | 1.0936 | 177.26 | **** |
| 8979 | Paver Block | | | | | | | | |
| A | M35 grade 80mm thick | | | | | | | | |
| | White | sqm | 480.12 | | | 433.26 | | 433.26 | ** |
| | Red | sqm | 488.73 | | | 440.98 | | 440.98 | ** |
| | Yellow | sqm | 504.09 | | | 454.82 | | 454.82 | ** |

| Code No | Description | Unit | Present Approved rate | Rate as per DSR-2016 | Deduction for VAT & excise | Rate after deducting vat & excise | Increase due increase in WPI from April 2016 to June 2018[1+(119.2-109.0) / 109] | Approved Rate | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5.00 | 6 | 7 | 8 | 9 | 10 |
| B | M40 grade 80mm thick | | | | | | | | |
| | White | sqm | 551.04 | | | 497.19 | | 497.19 | ** |
| | Red | sqm | 565.43 | | | 510.20 | | 510.20 | ** |
| | Yellow | sqm | 583.63 | | | 526.65 | | 526.65 | ** |
| 8980 | Kerb Stone Block M30 Grade of Size 375mm x 300mm | each | 80.63 | | | 73.25 | | 73.25 | ** |

Note:-

* Rate based on DSR 2016

** Approved rate by State level Schedule rate committee

*** Approved rate of cement by State level schedule rate committee

**** Present BSR 2016

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–
सह–अभियता प्रमुख,
भवन निर्माण विभाग, बिहार, पटना।

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–
सह–अभियन्ता प्रमुख
ग्रामीण कार्य विभाग, बिहार, पटना।

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–
सह–अभियन्ता प्रमुख
लघु जल संसाधन विभाग, बिहार, पटना।

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–
सह–मुख्य अभियता (असैनिक), बिहार स्टेट पावर होल्डिंग कम्पनी
लि0, बिहार, पटना

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–
सह–मुख्य अभियता(विद्युत)
भवन निर्माण विभाग, बिहार, पटना

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–
सह–अभियन्ता प्रमुख, तकनीकी परीक्षण कोषाग,
निगरानी विभाग, बिहार पटना।

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–
सह–अभियता प्रमुख, लोक स्वास्थ्य अभियत्रण सगठन,
बिहार, पटना

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–
सह–अभियंता प्रमुख (मुख्यालय)
जल ससाधन विभाग, बिहार, पटना

सयोजक
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–
अभियन्ता प्रमुख–सह–अपर आयुक्त–सह–विशेष सचिव,
पथ निर्माण विभाग, बिहार, पटना।

राज्यस्तरीय अनुसूचित दर निर्धारण समिति की दिनांक–08.05.2018 की बैठक में निर्माण कार्यो (सड़के, बाँध तथा सिंचाई कार्य) में नियोजित विभिन्न श्रेणी के मजदूरों का संशोधित न्यूनतम दैनिक मजदूरी के अनुमोदन हेतु लिये गये निर्णय :–

जनवरी 2017 से जुन 2017 तक का औसत मूल्य सूचकांक श्रम संसाधन विभाग, बिहार सरकार के अधिसूचना सं0–4835 दिनांक–15.09.2017 के अनुसार 6307.55 है। जुलाई 2017 से दिसम्बर 2017 तक का औसत मूल्य श्रम संसाधन विभाग, बिहार सरकार के अधिसूचना सं0–1453 दिनांक–28.03.2018 के अनुसार सूचकांक 6528.20 है।

सूचकांक में वृद्धि = 6528.20 – 6307.55 = 220.65

सूचकांक में प्रतिशत वृद्धि = 220.65 /6307.55 x 100 = 3.498 %

औसत मूल्य सूचकांक (जनवरी 2017 से जून 2017 तक) पर आधारित न्यूनतम श्रम दर की सूची अनुसूची '1' एवं '2' के स्तम्भ '7' पर अंकित हैं। इसी स्तम्भ के अंकित दर में 3.498% वृद्धि कर न्यूनतम श्रम दर की गणना कर अंकित कर दी गई है।

श्रम संसाधन विभाग, बिहार सरकार की अधिसूचना संख्या–1453, दिनांक–28.03.2018 के आलोक में अनुसूचित दर पुनरीक्षण हेतु उपरोक्त वृद्धि को सम्मिलित करते हुए निर्माण कार्यो, सड़के, बाँध निर्माण तथा सिंचाई कार्यो में नियोजित दैनिक मजदूरों के न्यूनतम दैनिक मजदूरी में संशोधन के लिए संलग्न अनुसूची–1 तथा 2 के स्तंभ '8' के अनुसार राज्यस्तरीय अनुसूचित दर निर्धारण समिति द्वारा सहमति प्रदान की जाती है। यह दर भवन निर्माण, ग्रामीण कार्य, लोक स्वास्थ्य अभियंत्रण विभाग एवं अन्य कार्य विभाग के अंतर्गत कराये जानें वाले समरूप कार्यो के उपयोग में भी लाया जायेगा। विशेष जानकारी हेतु श्रम संसाधन विभाग, बिहार सरकार की अधिसूचना सं0–1453 दिनांक–28.03.2018 द्रष्टव्य।

अनु0–1 एवं 2

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, भवन निर्माण विभाग, बिहार, पटना।

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, लघु जल संसाधन विभाग, बिहार, पटना

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–मुख्य अभियंता (असैनिक) बिहार स्टेट पावर होल्डिंग कंपनी लि0, बिहार, पटना

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–मुख्य अभियंता, (विधुत) भवन निर्माण विभाग, बिहार, पटना

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, तकनीकी परीक्षण कोषांग, निगरानी विभाग, बिहार, पटना

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–राह–अभियंता प्रमुख, लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, गुख्यालय जल संसाधन विभाग बिहार, पटना।

संयोजक
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंताप्रमुख–सह–अपर आयुक्त–सह–विशेष सचिव पथ निर्माण विभाग, बिहार, पटना।

## SCHEDULE - I

Dtd.: 08-05-2018

### Approved Schedule of Rates for labour engaged in construction & maintenance of Roads

| Sl. No. | Category of Employees | Minimum Rates of wages per day as per | | | | | |
|---|---|---|---|---|---|---|---|
| | | Lab. Deptt. Noti. No. 2787 /28.09.11 | Lab. Deptt. Noti. No. 4175/ 30.09.16 | Lab. Deptt. Noti. No. 4971/ 29.11.16 | Lab. Deptt. Noti. No. 1194/ 28.03.17 | Lab. Deptt. Noti. No. 4835/ 15.09.17 | Lab. Deptt. Noti. No. 1453/ 28.03.18 |
| 1 | 2 | 3 | 4 | 5((1.43xcl3)*1.15) | 6(1.02336xcl5) | 7 | 8 |
| 1 | Unskilled labour | 144.00 | 209.00 | 237.00 | 242.00 | 247.00 | 254.00 |
| 2 | Sweeper | 144.00 | 209.00 | 237.00 | 242.00 | 247.00 | 254.00 |
| 3 | Mistry | 144.00 | 209.00 | 237.00 | 242.00 | 247.00 | 254.00 |
| 4 | Cleaner | 144.00 | 209.00 | 237.00 | 242.00 | 247.00 | 254.00 |
| 5 | Helper | 144.00 | 209.00 | 237.00 | 242.00 | 247.00 | 254.00 |
| 6 | Khalsi/Chainman | 144.00 | 209.00 | 237.00 | 242.00 | 247.00 | 254.00 |
| 7 | Marker | 184.00 | 268.00 | 302.00 | 309.00 | 309.00 | 320.00 |
| 8 | Fitter grade-I | 199.00 | 289.00 | 328.00 | 336.00 | 336.00 | 348.00 |
| | Fitter grade-II | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 9 | Turner | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 10 | Mechanic grade-I | 225.00 | 328.00 | 370.00 | 379.00 | 379.00 | 392.00 |
| | Mechanic grade-II | 209.00 | 304.00 | 344.00 | 352.00 | 352.00 | 364.00 |
| 11 | Electrician grade-I | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| | Electrician grade-II | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 12 | Lineman/Wireman | 169.00 | 247.00 | 278.00 | 284.00 | 284.00 | 294.00 |
| 13 | Chargeman | 209.00 | 304.00 | 344.00 | 352.00 | 352.00 | 364.00 |
| 14 | Foreman | 247.00 | 360.00 | 406.00 | 415.00 | 415.00 | 430.00 |
| 15 | Welder grade-I | 220.00 | 320.00 | 362.00 | 370.00 | 370.00 | 383.00 |
| | Welder grade-II | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| 16 | Glazier | 164.00 | 237.00 | 270.00 | 276.00 | 276.00 | 286.00 |
| 17 | Carpenter | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 18 | Head Carpenter | 196.00 | 284.00 | 322.00 | 330.00 | 330.00 | 342.00 |
| 19 | Checker | 177.00 | 256.00 | 291.00 | 298.00 | 298.00 | 308.00 |
| 20 | Hammerman | 153.00 | 224.00 | 252.00 | 258.00 | 258.00 | 267.00 |
| 21 | Tin smith | 199.00 | 289.00 | 328.00 | 336.00 | 336.00 | 348.00 |
| 22 | Tin plate maker | 209.00 | 304.00 | 344.00 | 352.00 | 352.00 | 364.00 |
| 23 | Black Smith | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 24 | Head black smith | 196.00 | 284.00 | 322.00 | 330.00 | 330.00 | 342.00 |
| 25 | Tile layer | 155.00 | 226.00 | 255.00 | 261.00 | 261.00 | 270.00 |
| 26 | Thatcher | 155.00 | 226.00 | 255.00 | 261.00 | 261.00 | 270.00 |
| 27 | Plumber | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| 28 | Grader | 177.00 | 256.00 | 291.00 | 298.00 | 298.00 | 308.00 |
| 29 | Road binder | 164.00 | 237.00 | 270.00 | 276.00 | 276.00 | 286.00 |
| 30 | Mason | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 31 | Head Mason | 196.00 | 284.00 | 322.00 | 330.00 | 330.00 | 342.00 |
| 32 | Stone layer | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 33 | Tarman | 153.00 | 224.00 | 252.00 | 258.00 | 258.00 | 267.00 |
| 34 | Fireman | 155.00 | 226.00 | 255.00 | 261.00 | 261.00 | 270.00 |
| 35 | Grinder | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 36 | Gas cutter | 184.00 | 268.00 | 302.00 | 309.00 | 309.00 | 320.00 |
| 37 | Rigger | 177.00 | 256.00 | 291.00 | 298.00 | 298.00 | 308.00 |
| 38 | Sarang | 209.00 | 304.00 | 344.00 | 352.00 | 352.00 | 364.00 |
| 39 | Chipper-cum-rivetter | 184.00 | 268.00 | 302.00 | 309.00 | 309.00 | 320.00 |
| 40 | Tractor operator | 209.00 | 304.00 | 344.00 | 352.00 | 352.00 | 364.00 |
| 41 | Dozer operator grade-I | 247.00 | 360.00 | 406.00 | 415.00 | 415.00 | 430.00 |
| | Dozer operator grade-II | 220.00 | 320.00 | 362.00 | 370.00 | 370.00 | 383.00 |
| 42 | Dumper operator | 210.00 | 305.00 | 345.00 | 353.00 | 353.00 | 365.00 |
| 43 | Viberator Operator | 163.00 | 236.00 | 268.00 | 274.00 | 274.00 | 284.00 |
| 44 | Pump driver grade-I | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| | Pump driver grade-II | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 45 | Dragline operator grade-I | 247.00 | 360.00 | 406.00 | 415.00 | 415.00 | 430.00 |
| | Dragline operator grade-II | 220.00 | 320.00 | 362.00 | 370.00 | 370.00 | 383.00 |
| 46 | Concrete mixer operator grade-I | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| | Concrete mixer operator grade-II | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 47 | Compressor operator grade-I | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| | Compressor operator grade-II | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |

## SCHEDULE - I

Dtd.: 08.05.2018

### Approved Schedule of Rates for labour engaged in construction & maintenance of Roads

| Sl. No. | Category of Employees | Minimum Rates of wages per day as per | | | | | |
|---|---|---|---|---|---|---|---|
| | | Lab. Deptt. Noti. No. 2787 /28.09.11 | Lab. Deptt. Noti. No. 4175/ 30.09.16 | Lab. Deptt. Noti. No. 4971/ 29.11.16 | Lab. Deptt. Noti. No. 1194/ 28.03.17 | Lab. Deptt. Noti. No. 4835/ 15.09.17 | Lab. Deptt. Noti. No. 1453/ 28.03.18 |
| 1 | 2 | 3 | 4 | 5((1.43xcl3)*1.15) | 6(1.02336xcl5) | 7 | 8 |
| 48 | Earth excavator | | | | | | |
| | (a) For every 110 cu. ft for soft earth | 144.00 | 210.00 | 237.00 | 243.00 | 243.00 | 252.00 |
| | (b) For every 100 cu. ft for hard earth | 144.00 | 210.00 | 237.00 | 243.00 | 243.00 | 252.00 |
| | (c) For every 90 cu. ft for highly hard earth | 144.00 | 210.00 | 237.00 | 243.00 | 243.00 | 252.00 |
| 49 | Truck driver | 209.00 | 304.00 | 344.00 | 352.00 | 352.00 | 364.00 |
| 50 | Car/Jeep driver | 184.00 | 268.00 | 302.00 | 309.00 | 309.00 | 320.00 |
| 51 | Crane operator grade-I | 247.00 | 360.00 | 406.00 | 415.00 | 415.00 | 430.00 |
| | Crane operator grade-II | 220.00 | 320.00 | 362.00 | 370.00 | 370.00 | 383.00 |
| 52 | Winch operator | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| 53 | Road roller driver | 252.00 | 367.00 | 414.00 | 424.00 | 424.00 | 439.00 |
| 54 | Blaster | 243.00 | 353.00 | 399.00 | 408.00 | 408.00 | 422.00 |
| 55 | Painter grade-I | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| 56 | Polisher | 155.00 | 226.00 | 255.00 | 261.00 | 261.00 | 270.00 |
| 57 | Peon / Darvan / Choukidar | 153.00 | 224.00 | 252.00 | 258.00 | 258.00 | 267.00 |
| 58 | Clerk / Typist / Typist clerk | 173.00 | 251.00 | 284.00 | 291.00 | 291.00 | 301.00 |
| 59 | Time keeper | 173.00 | 251.00 | 284.00 | 291.00 | 291.00 | 301.00 |
| 60 | Store Assistant / Storeman | 187.00 | 272.00 | 307.00 | 314.00 | 314.00 | 325.00 |
| 61 | Store head | 178.00 | 257.00 | 293.00 | 300.00 | 300.00 | 310.00 |
| 62 | Materia; chaser | 178.00 | 257.00 | 293.00 | 300.00 | 300.00 | 310.00 |
| 63 | Mate and Road mate | 155.00 | 226.00 | 255.00 | 261.00 | 261.00 | 270.00 |
| 64 | Munshi | 163.00 | 236.00 | 268.00 | 274.00 | 274.00 | 284.00 |
| 65 | Work Supervisor | 164.00 | 237.00 | 270.00 | 276.00 | 276.00 | 286.00 |
| 66 | Amin | 173.00 | 251.00 | 284.00 | 291.00 | 291.00 | 301.00 |
| 67 | Surveyer | 177.00 | 256.00 | 291.00 | 298.00 | 298.00 | 308.00 |
| 68 | Supervisory diploma holder | 237.00 | 343.00 | 390.00 | 399.00 | 399.00 | 413.00 |
| 69 | Supervisory non-diploma holder | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 70 | Any other category of semi-skilled workers not mentioned above | 150.00 | 218.00 | 247.00 | 252.00 | 257.00 | 265.00 |
| 71 | Any other category of skilled workers not mentioned above | 183.00 | 266.00 | 301.00 | 307.00 | 313.00 | 322.00 |
| 72 | Highly skilled labour | 223.00 | 323.00 | 367.00 | 374.00 | 381.00 | 392.00 |

Note :- The above rates has been calculated as 3.498% increase vide Labour Dept. Notification No. 1453 Dtd. 28.03.2018 i.e (1.03498 * column 7).

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख,
भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख,
ग्रामीण कार्य विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-
अभियंता प्रमुख, लघु जल संसाधन विभाग,
बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियंता
(असैo), बिहार स्टेट पावर होल्डिंग कंपनी लिमिटेड, बिहार,
पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-मुख्य अभियंता(विद्युत),
भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-
अभियंता प्रमुख, तकनीकी परीक्षण संगठन,
निगरानी विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख,
लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-
अभियंता प्रमुख, मुख्यालय,
जल संसाधन विभाग, बिहार, पटना।

संयोजक,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-
अभियंता प्रमुख सह-अपर आयुक्त-सह-विशेष सचिव,
पथ निर्माण विभाग, बिहार, पटना।

## SCHEDULE - II

Dtd.:- 08.05.18

### Approved Schedule of Rates for labour engaged in Dam construction & Irrigation works

| Sl. No. | Category of Employees | Minimum Rates of wages per day as per | | | | | |
|---|---|---|---|---|---|---|---|
| | | Lab. Deptt. Noti. No. 2787 /28.09.11 | Lab. Deptt. Noti. No. 4175/ 30.09.16 | Lab. Deptt. Noti. No. 4971/ 29.11.16 | Lab. Deptt. Noti. No. 1194/ 20.03.17 | Lab. Deptt. Noti. No. 4835/ 15.09.17 | Lab. Deptt. Noti. No. 1453/ 28.03.18 |
| 1 | 2 | 3 | 4 | 5((1.43xd3)*1.15) | 6(1.02336xd5) | 7 | 8 |
| 1 | Unskilled labour | 144.00 | 209.00 | 237.00 | 242.00 | 247.00 | 254.00 |
| 2 | Mate | 158.00 | 229.00 | 260.00 | 266.00 | 266.00 | 275.00 |
| 3 | Head Mason | 196.00 | 284.00 | 322.00 | 330.00 | 330.00 | 342.00 |
| 4 | Mason | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 5 | Printer Class-I | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| 6 | Printer Class-II | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 7 | Head Carpenter | 196.00 | 284.00 | 322.00 | 330.00 | 330.00 | 342.00 |
| 8 | Carpenter | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 9 | Head black smith | 196.00 | 284.00 | 322.00 | 330.00 | 330.00 | 342.00 |
| 10 | Black Smith | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 11 | Glazier | 155.00 | 226.00 | 255.00 | 261.00 | 261.00 | 270.00 |
| 12 | Stone Dresser | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| 13 | Water Carrier | 144.00 | 210.00 | 237.00 | 243.00 | 243.00 | 252.00 |
| 14 | Fitter Class-I | 199.00 | 289.00 | 328.00 | 336.00 | 336.00 | 348.00 |
| 15 | Fitter Class-II | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 16 | Helper | 153.00 | 224.00 | 252.00 | 258.00 | 258.00 | 267.00 |
| 17 | Hammer man | 153.00 | 224.00 | 252.00 | 258.00 | 258.00 | 267.00 |
| 18 | Bellowman | 144.00 | 210.00 | 237.00 | 243.00 | 243.00 | 252.00 |
| 19 | Road Roller Driver | 252.00 | 367.00 | 414.00 | 424.00 | 424.00 | 439.00 |
| 20 | Concrete Mixer Operator, Class-I | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| 21 | Concrete Mixer Operator, Class-II | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 22 | Stone Crusher Driver, Class-I | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| 23 | Stone Crusher Driver, Class-II | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 24 | Truck Driver | 209.00 | 304.00 | 344.00 | 352.00 | 352.00 | 364.00 |
| 25 | Compresser Operator, Class-I | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| 26 | Compresser Operator, Class-II | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 27 | Pump Driver, Class-I | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| 28 | Pump Driver, Class-II | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 29 | Concrete Mixer Attendant | 153.00 | 224.00 | 252.00 | 258.00 | 258.00 | 267.00 |
| 30 | Cleaner or Oilman | 148.00 | 216.00 | 244.00 | 250.00 | 250.00 | 259.00 |
| 31 | TarBoiler Man | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 32 | Plumber | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| 33 | Thatcher | 155.00 | 226.00 | 255.00 | 261.00 | 261.00 | 270.00 |
| 34 | Khalasi / Chainman | 155.00 | 226.00 | 255.00 | 261.00 | 261.00 | 270.00 |
| 35 | Sweeper | 148.00 | 216.00 | 244.00 | 250.00 | 250.00 | 259.00 |
| 36 | Watchamn | 148.00 | 216.00 | 244.00 | 250.00 | 250.00 | 259.00 |
| 37 | Stone Breaker | 148.00 | 216.00 | 244.00 | 250.00 | 250.00 | 259.00 |
| 38 | Work Sarker | 164.00 | 237.00 | 270.00 | 276.00 | 276.00 | 286.00 |
| 39 | Time Keeper | 173.00 | 251.00 | 284.00 | 291.00 | 291.00 | 301.00 |
| 40 | Welder, Grade-I | 220.00 | 320.00 | 362.00 | 370.00 | 370.00 | 383.00 |
| 41 | Welder, Grade-I | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| 42 | Wireman/Lineman | 169.00 | 247.00 | 278.00 | 284.00 | 284.00 | 294.00 |
| 43 | Mechanic, Grade-I | 225.00 | 328.00 | 370.00 | 379.00 | 379.00 | 392.00 |
| 44 | Mechanic, Grade-II | 209.00 | 304.00 | 344.00 | 352.00 | 352.00 | 364.00 |
| 45 | Sarang | 209.00 | 304.00 | 344.00 | 352.00 | 352.00 | 364.00 |
| 46 | Drill Operator | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 47 | Tractor Operator | 209.00 | 304.00 | 344.00 | 352.00 | 352.00 | 364.00 |
| 48 | Gauge Reader-cum-silt Observer | 153.00 | 224.00 | 252.00 | 258.00 | 258.00 | 267.00 |
| 49 | Crane Operator, Grade-I | 247.00 | 360.00 | 406.00 | 415.00 | 415.00 | 430.00 |
| 50 | Crane Operator, Grade-II | 220.00 | 320.00 | 362.00 | 370.00 | 370.00 | 383.00 |
| 51 | Dragline / Scraper / Showel Operator | 247.00 | 360.00 | 406.00 | 415.00 | 415.00 | 430.00 |
| 52 | Dragline/Scraper/Showel Operator | 220.00 | 320.00 | 362.00 | 370.00 | 370.00 | 383.00 |
| 53 | Dumper Operator | 210.00 | 305.00 | 345.00 | 353.00 | 353.00 | 365.00 |
| 54 | Foreman | 247.00 | 360.00 | 406.00 | 415.00 | 415.00 | 430.00 |

## SCHEDULE - II

Dtd.:-08.05.18

### Approved Schedule of Rates for labour engaged in Dam construction & Irrigation works

| Sl. No. | Category of Employees | Minimum Rates of wages per day as per | | | | | |
|---|---|---|---|---|---|---|---|
| | | Lab. Deptt. Noti. No. 2787 /28.09.11 | Lab. Deptt. Noti. No. 4175/ 30.09.16 | Lab. Deptt. Noti. No. 4971/ 29.11.16 | Lab. Deptt. Noti. No. 1194/ 28.03.17 | Lab. Deptt. Noti. No. 4835/ 15.09.17 | Lab. Deptt. Noti. No. 1453/ 28.03.18 |
| 1 | 2 | 3 | 4 | 5((1.43xd3)*1.15) | 6(1.02336xd5) | 7 | 8 |
| 55 | Junior Forman | 220.00 | 320.00 | 362.00 | 370.00 | 370.00 | 383.00 |
| 56 | Chargeman | 210.00 | 305.00 | 345.00 | 353.00 | 353.00 | 365.00 |
| 57 | Electrician, Grade-I | 185.00 | 269.00 | 305.00 | 312.00 | 312.00 | 323.00 |
| 58 | Electrician, Grade-II | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 59 | Electrician, Grade-III | 153.00 | 224.00 | 252.00 | 258.00 | 258.00 | 267.00 |
| 60 | Turner | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 61 | Compounder | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 62 | Superviser / (Diploma holder) | 237.00 | 343.00 | 390.00 | 399.00 | 399.00 | 413.00 |
| 63 | Surveyer / Supervisor | 175.00 | 253.00 | 288.00 | 295.00 | 295.00 | 305.00 |
| 64 | Blue Printer | 153.00 | 224.00 | 252.00 | 258.00 | 258.00 | 267.00 |
| 65 | Tracer | 153.00 | 224.00 | 252.00 | 258.00 | 258.00 | 267.00 |
| 66 | Vibrator Operator | 163.00 | 236.00 | 268.00 | 274.00 | 274.00 | 284.00 |
| 67 | Clerk / Typist / Typist Clerk | 173.00 | 251.00 | 284.00 | 291.00 | 291.00 | 301.00 |
| 68 | Earth Excavator, | | | | | | |
| | (a) For every 110 cubic feet of soft | 144.00 | 210.00 | 237.00 | 243.00 | 243.00 | 252.00 |
| | (b) For every 100 cubic feet of hard | 144.00 | 210.00 | 237.00 | 243.00 | 243.00 | 252.00 |
| | (c) For every 90 cubic feet of highly | 144.00 | 210.00 | 237.00 | 243.00 | 243.00 | 252.00 |
| 69 | Any other category of semi-skilled workers not mentioned above | 150.00 | 218.00 | 247.00 | 252.00 | 257.00 | 265.00 |
| 70 | Any other category of skilled workers not mentioned above | 183.00 | 266.00 | 301.00 | 307.00 | 313.00 | 322.00 |
| 71 | Highly skilled labour | 223.00 | 323.00 | 367.00 | 374.00 | 381.00 | 392.00 |

Note :- The above rates has been calculated as 3.498% increase vide Labour Dept. Notification No. 1453 Dtd. 28.03.2018 i.e (1.03498 * column 7).

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख,
भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख,
ग्रामीण कार्य विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-
अभियंता प्रमुख, लघु जल संसाधन विभाग,
बिहार, पटना।

08.5.18
सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य
अभियंता (असै०), बिहार स्टेट पावर होल्डिंग कंपनी
लिमिटेड, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-मुख्य अभियंता(विद्युत),
भवन निर्माण विभाग, बिहार, पटना।

8/5/18
सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति -सह-
अभियंता प्रमुख, तकनीकी परीक्षण कोषांग,
निगरानी विभाग, बिहार, पटना।

8.5.18
सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख,
लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना।

8/5/18
सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-
अभियंता प्रमुख, मुख्यालय,
जल संसाधन विभाग, बिहार, पटना।

8/5/18
संयोजक,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-
अभियंता प्रमुख सह-अपर आयुक्त-सह-विशेष सचिव,
पथ निर्माण विभाग, बिहार, पटना।

# बिहार सरकार
## राज्य स्तरीय अनुसूचित दर निर्धारण समिति
## पथ निर्माण विभाग, बिहार, पटना।

E-mail ID-sorrcd2012@gmail.com

पत्रांकः– मु0नि0(पथ) 53 / 2018 29 (3+9) /दिनांकः– 19/7/2018

प्रेषक,

अधीक्षण अभियंता,
मुख्यालय निरूपण अंचल,
पथ निर्माण विभाग,बिहार,पटना ।

सेवा में,

1. अभियंता प्रमुख,
   ग्रामीण कार्य विभाग सह सदस्य राज्य स्तरीय अनुसूचित दर निर्धारण समिति, बिहार, पटना।
2. अभियंता प्रमुख (मुख्यालय)
   जल संसाधन विभाग सह सदस्य राज्य स्तरीय अनुसूचित दर निर्धारण समिति, बिहार, पटना।
3. अभियंता प्रमुख,
   लोक स्वास्थ्य अभियंत्रण विभाग सह सदस्य राज्य स्तरीय अनुसूचित दर निर्धारण समिति,बिहार, पटना।
4. अभियंता प्रमुख,
   तकनीकी परीक्षण कोषांग, निगरानी विभाग सह सदस्य राज्य स्तरीय अनुसूचित दर निर्धारण समिति, बिहार, पटना।
5. अभियंता प्रमुख,
   भवन निर्माण विभाग सह सदस्य राज्य स्तरीय अनुसूचित दर निर्धारण समिति, बिहार, पटना।
6. अभियंता प्रमुख,
   लघु जल संसाधन विभाग सह सदस्य राज्य स्तरीय अनुसूचित दर निर्धारण समिति, बिहार, पटना।
7. मुख्य अभियंता (असैनिक)
   बिहार स्टेट पावर होल्डिंग कंपनी लिमिटेड सह सदस्य राज्य स्तरीय अनुसूचित दर निर्धारण समिति, बिहार, पटना।
8. मुख्य अभियंता (विद्युत)
   भवन निर्माण विभाग सह सदस्य राज्य स्तरीय अनुसूचित दर निर्धारण समिति, बिहार, पटना।

विषयः–**राज्य स्तरीय अनुसूचित दर निर्धारण समिति द्वारा दिनांक–17.07.2018 की बैठक में लिये गये निर्णयानुसार सीमेंट, बिटुमेन, इम्लशन एवं स्टील से संबंधित निर्माण सामग्रियों के दर की सूची के प्रेषण के संबंध में।**

महाशय,

उपर्युक्त विषय के संबंध में कहना है कि दिनांक–17.07.2018 की बैठक में राज्य स्तरीय अनुसूचित दर निर्धारण समिति द्वारा अनुमोदित सीमेंट, बिटुमेन, इम्लशन, स्टील, की पुनरीक्षित दर की सूची "M1", "M3A", "M3B", "M4", "M5", "M6", "M8", "M9", "M10A", एवं कार्यवाही की प्रति आवश्यक कार्रवाई हेतु संलग्न की जा रही है।

**अनु0**–यथोक्त।

विश्वास भाजन

19/7/2018

अधीक्षण अभियंता,
मुख्यालय निरूपण अंचल,
पथ निर्माण विभाग, बिहार, पटना।

19/7/18

## Schedule : M1

**Date: 17.07.18**

**List of Rates of Ordinary Portland Cement approved by State Level Schedule Rate Committee for the year 2018 - 19 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MORT&H Specifications.**

**Rates are exclusive of GST.**

| Sl. No. | Name & Description of Material | Unit | Zones | Approved Rate | |
|---|---|---|---|---|---|
| | | | | in figure (₹) | in words |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Ordinary Portland Cement | Per bag of 50 Kg | Patna | 257.80 | Rupees Two Hundred Fifty Seven and Paise Eighty Only |
| | (O.P.C. - 43 Grade) | | Muzaffarpur | 257.80 | Rupees Two Hundred Fifty Seven and Paise Eighty Only |
| | | | Darbhanga | 257.80 | Rupees Two Hundred Fifty Seven and Paise Eighty Only |
| | | | Bhagalpur | 253.80 | Rupees Two Hundred Fifty Three and Paise Eighty Only |
| | | | Munger | 253.80 | Rupees Two Hundred Fifty Three and Paise Eighty Only |
| | | | Saharsa | 257.80 | Rupees Two Hundred Fifty Seven and Paise Eighty Only |
| | | | Purnea | 257.80 | Rupees Two Hundred Fifty Seven and Paise Eighty Only |
| | | | Gaya | 244.10 | Rupees Two Hundred Forty Four and Paise Ten Only |
| | | | Saran | 253.40 | Rupees Two Hundred Fifty Three and Paise Forty Only |

**Note:- The above rate of cement is exclusive of 28% GST.**

17/7/18

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख,
भवन निर्माण विभाग, बिहार, पटना।

17/7/18

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख,
ग्रामीण कार्य विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख,
लघु जल संसाधन विभाग, बिहार, पटना।

17/7/18

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-मुख्य अभियंता (असै0) , बिहार स्टेट पावर होल्डिंग कंपनी लिमिटेड, बिहार, पटना।

17/7/18

सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति,
-सह-मुख्य अभियंता (विद्युत),
भवन निर्माण विभाग, बिहार, पटना।

17/7/18

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख, तकनीकी परीक्षण कोषांग,
निगरानी विभाग, बिहार, पटना।

17.7.18

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख,
लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख, मुख्यालय,
जल संसाधन विभाग, बिहार, पटना।

17/7/18

संयोजक,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख-सह- अपर आयुक्त-सह-विशेष सचिव,
पथ निर्माण विभाग, बिहार, पटना।

## Schedule : M3A

Date: 17.07.18

**List of Rates of Portland Pozzolana Cement approved by State Level Schedule Rate Committee for the year 2018 - 19 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MGRT&H Specifications.**

**Rates are exclusive of GST.**

| Sl. No. | Name & Description of Material | Unit | Zones | Approved Rate | |
|---|---|---|---|---|---|
| | | | | In figure (₹) | in words |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Portland Pozzolana Cement (P.P.C.) | Per bag of 50 Kg | Patna | 226.60 | Rupees Two Hundred Twenty Six and Paise Sixty Only |
| | | | Muzaffarpur | 218.80 | Rupees Two Hundred Eighteen and Paise Eighty Only |
| | | | Darbhanga | 218.80 | Rupees Two Hundred Eighteen and Paise Eighty Only |
| | | | Bhagalpur | 226.60 | Rupees Two Hundred Twenty Six and Paise Sixty Only |
| | | | Munger | 224.50 | Rupees Two Hundred Twenty Four and Paise Fifty Only |
| | | | Saharsa | 222.70 | Rupees Two Hundred Twenty Two and Paise Seventy Only |
| | | | Purnea | 230.30 | Rupees Two Hundred Thirty and Paise Thirty Only |
| | | | Gaya | 199.20 | Rupees One Hundred Ninety Nine and Paise Twenty Only |
| | | | Saran | 221.40 | Rupees Two Hundred Twenty One and Paise Forty Only |

**Note:- The above rate of cement is exclusive of 28% GST.**

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-
अभियंता प्रमुख,
भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
सदस्य, राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह- अभियंता प्रमुख,
ग्रामीण कार्य विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख,
लघु जल संसाधन विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-मुख्य अभियंता (असै0) , बिहार स्टेट पावर
होल्डिंग कंपनी लिमिटेड, बिहार, पटना।

सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति,
-सह-मुख्य अभियंता (विद्युत),
भवन निर्माण विभाग,
बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख, तकनीकी परीक्षण कोषांग,
निगरानी विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख, लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख, मुख्यालय,
जल संसाधन विभाग, बिहार, पटना।

संयोजक,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख-सह- अपर
आयुक्त-सह-विशेष सचिव,
पथ निर्माण विभाग, बिहार, पटना।

## Schedule : M3B

**Date: 17.07.18**

**List of Rates of Portland Slag Cement approved by State Level Schedule Rate Committee for the year 2018 - 19 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MORT & H Specifications.**

**Rates are exclusive of GST.**

| Sl. No. | Name & Description of Material | Unit | Zones | Approved Rate | |
|---|---|---|---|---|---|
| | | | | in figure (₹) | in words |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Portland Slag Cement (P.S.C.) | Per bag of 50 Kg | Patna | 285.90 | Rupees Two Hundred Eighty Five and Paise Ninety Only |
| | | | Muzaffarpur | 284.40 | Rupees Two Hundred Eighty Four and Paise Forty Only |
| | | | Darbhanga | 278.60 | Rupees Two Hundred Seventy Eight and Paise Sixty Only |
| | | | Bhagalpur | 285.20 | Rupees Two Hundred Eighty Five and Paise Twenty Only |
| | | | Munger | 274.60 | Rupees Two Hundred Seventy Four and Paise Sixty Only |
| | | | Saharsa | 283.50 | Rupees Two Hundred Eighty Three and Paise Fifty Only |
| | | | Purnea | 278.60 | Rupees Two Hundred Seventy Eight and Paise Sixty Only |
| | | | Gaya | 273.70 | Rupees Two Hundred Seventy Three and Paise Seventy Only |
| | | | Saran | 281.50 | Rupees Two Hundred Eighty One and Paise Fifty Only |

**Note:- The above rate of cement is exclusive of 28%GST.**

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह- अभियंता प्रमुख,
भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-
अभियंता प्रमुख,
ग्रामीण कार्य विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख,
लघु जल संसाधन विभाग, बिहार, पटना।

राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-मुख्य अभियंता (असै0) , बिहार स्टेट
पावर होल्डिंग कंपनी लिमिटेड, बिहार,
पटना।

सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति,
-सह-मुख्य अभियंता (विद्युत),
भवन निर्माण विभाग,
बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख, तकनीकी परीक्षण कोषांग,
सिंचाई विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख,
लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख, मुख्यालय,
जल संसाधन विभाग, बिहार, पटना।

संयोजक,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख-सह- अपर आयुक्त-सह-विशेष सचिव,
पथ निर्माण विभाग, बिहार, पटना।

## Schedule : M4

Date: 17.07.18

**List of Rates of Different Grades of Bitumen approved by State Level Schedule Rate Committee for the year 2018 - 19 for the preparation of Schedule of Rates only. Materials should confirm to relevant BIS/IRC/MORT&H Specifications.**

**Rates are exclusive of GST @ 18%.**

| Sl. No. | Name & Description of Material | Unit | Approved Rate | |
|---|---|---|---|---|
| | | | In figure(₹) | In words |
| 1 | 2 | 3 | 4 | 5 |
| 1 | Bitumen Grade VG-40(30/40 )Packed | | | |
| | (iv)Ex. Patna | Per MT | 34257.50 | Rupees Thirty Four Thousand Two Hundred Fifty Seven and Paise Fifty Only |
| | (v)Ex. Muzaffarpur | Per MT | 34507.50 | Rupees Thirty Four Thousand Five Hundred Seven and Paise Fifty Only |
| | (vi) Ex. Gaya | Per MT | 34060.00 | Rupees Thirty Four Thousand Sixty and Paise Zero Only |
| 2 | Bitumen Grade VG-30(60/70) Packed | | | |
| | (i)Ex.Barauni | Per MT | 32850.00 | Rupees Thirty Two Thousand Eight Hundred Fifty and Paise Zero Only |
| | (ii) Ex. Gaya | Per MT | 32730.00 | Rupees Thirty Two Thousand Seven Hundred Thirty and Paise Zero Only |
| | (vi) Ex. Patna | Per MT | 32927.00 | Rupees Thirty Two Thousand Nine Hundred Twenty Seven and Paise Zero Only |
| | (vii) Ex. Muzaffarpur | Per MT | 33177.50 | Rupees Thirty Three Thousand One Hundred Seventy Seven and Paise Fifty Only |
| 3 | Bitumen Grade VG-10( 80/100) Packed | | | |
| | (i ) Ex. Barauni | Per MT | 32050.00 | Rupees Thirty Two Thousand Fifty and Paise Zero Only |
| | (ii) Ex. Gaya | Per MT | 31930.00 | Rupees Thirty One Thousand Nine Hundred Thirty and Paise Zero Only |
| | (vi) Ex. Patna | Per MT | 32127.50 | Rupees Thirty Two Thousand One Hundred Twenty Seven and Paise Fifty Only |
| | (vii) Ex. Muzaffarpur | Per MT | 32377.50 | Rupees Thirty Two Thousand Three Hundred Seventy Seven and Paise Fifty Only |
| 4 | Bitumen Grade VG-40( 30/40) Bulk | | | |
| | (i) Ex. Barauni | Per MT | 28900.00 | Rupees Twenty Eight Thousand Nine Hundred and Paise Zero Only |
| 5 | Bitumen Grade VG-30( 60/70) Bulk | | | |
| | (i) Ex. Barauni | Per MT | 28370.00 | Rupees Twenty Eight Thousand Three Hundred Seventy and Paise Zero Only |
| 6 | Bitumen Grade VG-10(80/100) Bulk | | | |
| | (i) Ex. Barauni | Per MT | 27970.00 | Rupees Twenty Seven Thousand Nine Hundred Seventy and Paise Zero Only |
| 7 | Modified Graded Bitumen | | | |
| | (i) CRMB-50 Packed Ex. Barauni | Per MT | | |
| | (ii) CRMB-50 Packed Ex. Muzaffarpur | Per MT | | |
| | (iii) CRMB-50 Packed Ex. Gaya | Per MT | | |
| | (vi) CRMB-50 Packed Ex. Patna | Per MT | | |
| | (v) CRMB-55 Packed Ex. Barauni | Per MT | | |
| | (vi) CRMB-55 Packed Ex. Gaya | Per MT | 36190.00 | Rupees Thirty Six Thousand One Hundred Ninety and Paise Zero Only |
| | (vii) CRMB-55 Packed Ex. Patna | Per MT | 36387.50 | Rupees Thirty Six Thousand Three Hundred Eighty Seven and Paise Fifty Only |
| | (viii) CRMB-55 Packed Ex. Muzaffarpur | Per MT | 36637.50 | Rupees Thirty Six Thousand Six Hundred Thirty Seven and Paise Fifty Only |
| | (ix) CRMB-60 Packed Ex. Barauni | Per MT | | |
| | (x) CRMB-60 Packed Ex. Patna | Per MT | | |
| | (xi) CRMB-60 Packed Ex. Muzaffarpur | Per MT | | |
| | (xii) CRMB-60 Packed Ex. Gaya | Per MT | | |

| Sl. No. | Name & Description of Material | Unit | Approved Rate | |
|---|---|---|---|---|
| | | | in figure(₹) | in words |
| 8 | Bitumen Emulsion RS1(Packed) Drum | | | |
| | (i) Ex. Patna | Per MT | 37399.00 | Rupees Thirty Seven Thousand Three Hundred Ninety Nine and Paise Zero Only |
| | (ii) Ex. Gaya | Per MT | 37599.00 | Rupees Thirty Seven Thousand Five Hundred Ninety Nine and Paise Zero Only |
| | (iii) Ex. Muzaffarpur | Per MT | 37149.00 | Rupees Thirty Seven Thousand One Hundred Forty Nine and Paise Zero Only |
| 9 | Bitumen Emulsion MS(Packed) Drum | | | |
| | (i) Ex. Patna | Per MT | 39393.00 | Rupees Thirty Nine Thousand Three Hundred Ninety Three and Paise Zero Only |
| | (ii) Ex. Gaya | Per MT | 39543.00 | Rupees Thirty Nine Thousand Five Hundred Forty Three and Paise Zero Only |
| | (iii) Ex. Muzaffarpur | Per MT | 39093.00 | Rupees Thirty Nine Thousand Ninety Three and Paise Zero Only |
| 10 | Bitumen Emulsion SS1(Packed) Drum | | | |
| | (i) Ex. Patna | Per MT | 39475.00 | Rupees Thirty Nine Thousand Four Hundred Seventy Five and Paise Zero Only |
| | (ii) Ex. Gaya | Per MT | 39675.00 | Rupees Thirty Nine Thousand Six Hundred Seventy Five and Paise Zero Only |
| | (iii) Ex. Muzaffarpur | Per MT | 39225.00 | Rupees Thirty Nine Thousand Two Hundred Twenty Five and Paise Zero Only |

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह- अभियंता प्रमुख,
भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह- अभियंता प्रमुख,
ग्रामीण कार्य विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख,
लघु जल संसाधन विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-मुख्य अभियंता (असै0) , बिहार स्टेट पावर
होल्डिंग कंपनी लिमिटेड, बिहार, पटना।

सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति,
-सह-मुख्य अभियंता (विद्युत)
भवन निर्माण विभाग,
बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख, तकनीकी परीक्षण कोषांग,
निगरानी विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह- अभियंता प्रमुख, लोक स्वास्थ्य
अभियंत्रण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख, मुख्यालय,
जल संसाधन विभाग, बिहार, पटना।

संयोजक,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख-सह- अपर आयुक्त-सह-विशेष सचिव,
पथ निर्माण विभाग, बिहार, पटना।

## Schedule : M5

Date: 17.07.18

**Approved new rate of G.C. Sheet by State Level Schedule Rate Committee for the year 2018 - 19 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MORT & H Specifications.**

**Rates are exclusive of GST@ 18%.**

| Sl. No. | Name & Description of Material | Unit | Approved Rate | |
|---|---|---|---|---|
| | | | in figure (₹) | in words |
| 1 | 2 | 3 | 4 | 5 |
| | G. C. Sheet in mm | | | |
| 1 | 0.63 | Per MT | 55762.71 | Rupees Fifty Five Thousand Seven Hundred Sixty Two and Paise Seventy One Only |
| 2 | 0.50 | Per MT | 57288.13 | Rupees Fifty Seven Thousand Two Hundred Eighty Eight and Paise Thirteen Only |
| 3 | 0.40 | Per MT | 73357.62 | Rupees Seventy Three Thousand Three Hundred Fifty Seven and Paise Sixty Two Only |
| 3 | 0.35 | Per MT | 75492.37 | Rupees Seventy Five Thousand Four Hundred Ninety Two and Paise Thirty Seven Only |

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह- अभियंता प्रमुख,
भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह- अभियंता प्रमुख,
ग्रामीण कार्य विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख,
लघु जल संसाधन विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-मुख्य अभियंता (असै0) , बिहार स्टेट पावर
होल्डिंग कंपनी लिमिटेड, बिहार, पटना।

सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति,
-सह-मुख्य अभियंता (विद्युत)
भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख, तकनीकी परीक्षण कोषांग,
निगरानी विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख,
लोक स्वास्थ्य अभियंत्रण विभाग, बिहार,पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख, मुख्यालय
जल संसाधन विभाग, बिहार, पटना।

संयोजक,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख-सह- अपर आयुक्त-सह-विशेष सचिव,
पथ निर्माण विभाग, बिहार, पटना।

## Schedule : M6

Date: 17.07.18

**Approved rate of Steel - Wire Rod in Coil by State Level Schedule Rate Committee for the year 2018 - 19 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MORT&H Specifications.**

**Rates are exclusive of GST@ 18%.**

| Sl. No. | Name & Description of Material | Unit | Approved Rate | |
|---|---|---|---|---|
| | | | in figure (₹) | in words |
| 1 | 2 | 3 | 4 | 5 |
| | **Wire Rod in Coil** | | | |
| 1 | 5.5 mm | Per MT | 45450.00 | Rupees Forty Five Thousand Four Hundred Fifty and Paise Zero Only |
| 2 | 6.0 mm | Per MT | 45320.00 | Rupees Forty Five Thousand Three Hundred Twenty and Paise Zero Only |
| 3 | 6.5 mm | Per MT | 45180.00 | Rupees Forty Five Thousand One Hundred Eighty and Paise Zero Only |
| 4 | 7.0 mm | Per MT | 45050.00 | Rupees Forty Five Thousand Fifty and Paise Zero Only |
| 5 | 8.0 mm | Per MT | 44920.00 | Rupees Forty Four Thousand Nine Hundred Twenty and Paise Zero Only |
| 6 | 10.0 mm | Per MT | 45450.00 | Rupees Forty Five Thousand Four Hundred Fifty and Paise Zero Only |
| 7 | 12.0/12.7 mm | Per MT | 45450.00 | Rupees Forty Five Thousand Four Hundred Fifty and Paise Zero Only |

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह- अभियंता प्रमुख,
भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह- अभियंता प्रमुख,
ग्रामीण कार्य विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख,
लघु जल संसाधन विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-मुख्य अभियंता (असै0) , बिहार स्टेट पावर
होल्डिंग कंपनी लिमिटेड, बिहार, पटना।

सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति,
-सह-मुख्य अभियंता (विद्युत),
भवन निर्माण विभाग,
बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख, तकनीकी परीक्षण कोषांग,
निगरानी विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख,
लोक स्वास्थ्य अभियंत्रण विभाग, बिहार,पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख, मुख्यालय
जल संसाधन विभाग, बिहार, पटना।

संयोजक,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख-सह- अपर आयुक्त-सह-विशेष सचिव,
पथ निर्माण विभाग, बिहार, पटना।

## Schedule : M8

Date: 17.07.18

**Approved rate of Steel Channel by State Level Schedule Rate Committee for the year 2018 - 19 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MORT&H Specifications.**

**Rates are exclusive of GST@ 18%.**

| Sl. No. | Name & Description of Material | Unit | Approved Rate | |
|---|---|---|---|---|
| | | | in figure (₹) | in words |
| 1 | 2 | 3 | 4 | 5 |
| | STEEL CHANNEL | | | |
| 1 | Channel 100 x 50 | Per MT | 43260.00 | Rupees Forty Three Thousand Two Hundred Sixty and Paise Zero Only |
| 2 | Channel 125 x 65 | Per MT | 43260.00 | Rupees Forty Three Thousand Two Hundred Sixty and Paise Zero Only |
| 3 | Channel 150 x 75 | Per MT | 43260.00 | Rupees Forty Three Thousand Two Hundred Sixty and Paise Zero Only |
| 4 | Channel 200 x 75 | Per MT | 43530.00 | Rupees Forty Three Thousand Five Hundred Thirty and Paise Zero Only |

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह- अभियंता प्रमुख,
भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह- अभियंता प्रमुख,
ग्रामीण कार्य विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख,
लघु जल संसाधन विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-मुख्य अभियंता (असै0) , बिहार स्टेट पावर
होल्डिंग कंपनी लिमिटेड, बिहार, पटना।

सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति,
-सह-मुख्य अभियंता (विद्युत)
भवन निर्माण विभाग,
बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख, तकनीकी परीक्षण कोषांग,
निगरानी विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख,
लोक स्वास्थ्य अभियंत्रण विभाग, बिहार,पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख, मुख्यालय
जल संसाधन विभाग, बिहार, पटना।

संयोजक,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख-सह- अपर आयुक्त-सह-विशेष सचिव,
पथ निर्माण विभाग, बिहार, पटना।

## Schedule : M9

Date: 17.07.18

**Approved rate of Steel Angles by State Level Schedule Rate Committee for the year 2018 - 19 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MORT&H Specifications.**

**Rates are exclusive of GST@ 18%.**

| Sl. No. | Name & Description of Material | Unit | Approved Rate | |
|---|---|---|---|---|
| | | | in figure (₹) | in words |
| 1 | 2 | 3 | 4 | 5 |
| | STEEL ANGLES | | | |
| 1 | 75 x 75 x 6 | Per MT | 41550.00 | Rupees Forty One Thousand Five Hundred Fifty and Paise Zero Only |
| 2 | 80 x 80 x 8 /10/12 | Per MT | 41550.00 | Rupees Forty One Thousand Five Hundred Fifty and Paise Zero Only |
| 3 | 90 x 90 x 6/8 | Per MT | 41550.00 | Rupees Forty One Thousand Five Hundred Fifty and Paise Zero Only |
| 4 | 100 x 100 x 8/10/12 | Per MT | 41550.00 | Rupees Forty One Thousand Five Hundred Fifty and Paise Zero Only |
| 5 | 110 x 110 x 8/10/12 | Per MT | 41550.00 | Rupees Forty One Thousand Five Hundred Fifty and Paise Zero Only |
| 6 | 130 x 130 x 10/12 | Per MT | 41550.00 | Rupees Forty One Thousand Five Hundred Fifty and Paise Zero Only |
| 7 | 150 x 150 x 12/16/20 | Per MT | 41550.00 | Rupees Forty One Thousand Five Hundred Fifty and Paise Zero Only |
| 8 | 200 x 200 x 16/18/20 | Per MT | 41550.00 | Rupees Forty One Thousand Five Hundred Fifty and Paise Zero Only |

17/7/18
सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह- अभियंता प्रमुख,
भवन निर्माण विभाग, बिहार, पटना।

17/7/18
सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह- अभियंता प्रमुख,
ग्रामीण कार्य विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख,
लघु जल संसाधन विभाग, बिहार, पटना।

17.7.18
सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारिण समिति
-सह-मुख्य अभियंता (असै०), बिहार स्टेट पावर
होल्डिंग कंपनी लिमिटेड, बिहार, पटना।

17/7/18
सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति,
-सह-मुख्य अभियंता (विद्युत),
भवन निर्माण विभाग,
बिहार, पटना।

17/07/18
सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख, तकनीकी परीक्षण कोषांग,
निगरानी विभाग, बिहार, पटना।

17.7.18
सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख,
लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख, मुख्यालय,
जल संसाधन विभाग, बिहार, पटना।

17/7/18
संयोजक,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख-सह- अपर आयुक्त-सह-विशेष सचिव,
पथ निर्माण विभाग, बिहार, पटना।

## Schedule : M10A

Date: 17.07.18

**Approved rate of Steel - TMT BARS (Fe 500) State Level Schedule Rate Committee for the year 2018- 19 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MORT&H Specifications.**

**Rates are exclusive of GST@ 18%.**

| Sl. No. | Name & Description of Material | Unit | Approved Rate | |
|---|---|---|---|---|
| | | | in figure (₹) | in words |
| 1 | 2 | 3 | 4 | 5 |
| | STEEL TMT BARS | | | |
| 1 | TMT Fe 500 - 8 mm | Per MT | 45932.00 | Rupees Forty Five Thousand Nine Hundred Thirty Two and Paise Zero Only |
| 2 | TMT Fe 500 -10 mm | Per MT | 45424.00 | Rupees Forty Five Thousand Four Hundred Twenty Four and Paise Zero Only |
| 3 | TMT Fe 500 -12 mm | Per MT | 44915.00 | Rupees Forty Four Thousand Nine Hundred Fifteen and Paise Zero Only |
| 4 | TMT Fe 500 -16 mm | Per MT | 44915.00 | Rupees Forty Four Thousand Nine Hundred Fifteen and Paise Zero Only |
| 5 | TMT Fe 500 -20 mm | Per MT | 44915.00 | Rupees Forty Four Thousand Nine Hundred Fifteen and Paise Zero Only |
| 6 | TMT Fe 500 -25 mm | Per MT | 44915.00 | Rupees Forty Four Thousand Nine Hundred Fifteen and Paise Zero Only |
| 7 | TMT Fe 500 -28 mm | Per MT | 44915.00 | Rupees Forty Four Thousand Nine Hundred Fifteen and Paise Zero Only |
| 8 | TMT Fe 500 -32 mm | Per MT | 44915.00 | Rupees Forty Four Thousand Nine Hundred Fifteen and Paise Zero Only |

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह- अभियंता प्रमुख,
भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह- अभियंता प्रमुख,
ग्रामीण कार्य विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख,
लघु जल संसाधन विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-मुख्य अभियंता (असै0) , बिहार स्टेट पावर
होल्डिंग कंपनी लिमिटेड, बिहार, पटना।

सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति,
-सह-मुख्य अभियंता (विद्युत)
भवन निर्माण विभाग,बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख, तकनीकी परीक्षण कोषांग,
निगरानी विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख, सह- अपर आयुक्त-सह-विशेष सचिव,
लोक स्वास्थ्य अभियंत्रण विभाग, बिहार,पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख, मुख्यालय
जल संसाधन विभाग, बिहार, पटना।

संवीजक,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-अभियंता प्रमुख-सह- अपर आयुक्त-सह-विशेष सचिव,
पथ निर्माण विभाग, बिहार, पटना।

## Schedule: M11

Date:13.03.18

**Approved Rate of Bricks & Bricks related materials by the State Level Schedule Rate Committee for the year 2018-19 (for preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MoRT&H Specifications.**

**Rates are Exclusive of all taxes,Royalty, Contractor's profit and Overhead charges (Rates at source).**

| Sr. No. | Materials | Unit | Approved Rate | |
|---|---|---|---|---|
| | | | in figure (₹) | in words |
| 1 | **100 A Bricks** | | | |
| | (i) For urban Patna | Nos/1000 | 6247.00 | Rupees Six Thousand Two Hundred Forty Seven and Paise Zero Only |
| | (ii) For Darbhanga,Bhagalpur, Munger & Muzaffarpur | Nos/1000 | 5267.00 | Rupees Five Thousand Two Hundred Sixty Seven and Paise Zero Only |
| | (iii) For Gaya & Saran | Nos/1000 | 4981.00 | Rupees Four Thousand Nine Hundred Eighty One and Paise Zero Only |
| | (iv) For Saharsa | Nos/1000 | 5411.00 | Rupees Five Thousand Four Hundred Eleven and Paise Zero Only |
| | (v) For Purnea | Nos/1000 | 5699.00 | Rupees Five Thousand Six Hundred Ninety Nine and Paise Zero Only |
| | (vi) For rural Patna | Nos/1000 | 5196.00 | Rupees Five Thousand One Hundred Ninety Six and Paise Zero Only |
| 2 | **100 B Bricks** | | | |
| | (i) For urban Patna | Nos/1000 | 5796.00 | Rupees Five Thousand Seven Hundred Ninety Six and Paise Zero Only |
| | (ii) For Darbhanga, Bhagalpur, Munger & Muzaffarpur | Nos/1000 | 4835.00 | Rupees Four Thousand Eight Hundred Thirty Five and Paise Zero Only |
| | (iii) For Gaya & Saran | Nos/1000 | 4549.00 | Rupees Four Thousand Five Hundred Forty Nine and Paise Zero Only |
| | (iv) For Saharsa | Nos/1000 | 4981.00 | Rupees Four Thousand Nine Hundred Eighty One and Paise Zero Only |
| | (v) For Purnea | Nos/1000 | 5267.00 | Rupees Five Thousand Two Hundred Sixty Seven and Paise Zero Only |
| | (vi) For rural Patna | Nos/1000 | 4746.00 | Rupees Four Thousand Seven Hundred Forty Six and Paise Zero Only |
| 3 | **Brick Tiles (300mmx150mmx50mm)** | | | |
| | (i) For urban Patna and rural Patna | Nos/1000 | 6247.00 | Rupees Six Thousand Two Hundred Forty Seven and Paise Zero Only |
| | (ii) For Saharsa, Bhagalpur, Darbhanga & Muzaffarpur | Nos/1000 | 6274.00 | Rupees Six Thousand Two Hundred Seventy Four and Paise Zero Only |
| | (iii) For Purnea | Nos/1000 | 6563.00 | Rupees Six Thousand Five Hundred Sixty Three and Paise Zero Only |
| | (iv) For other places | Nos/1000 | 5986.00 | Rupees Five Thousand Nine Hundred Eighty Six and Paise Zero Only |
| 4 | **Picket Jhama Bricks** | | | |
| | (i) For urban Patna | Nos/1000 | 5348.00 | Rupees Five Thousand Three Hundred Forty Eight and Paise Zero Only |
| | (ii) For Darbhanga, Bhagalpur, Munger & Muzaffarpur | Nos/1000 | 4406.00 | Rupees Four Thousand Four Hundred Six and Paise Zero Only |
| | (iii) For Gaya & Saran | Nos/1000 | 4114.00 | Rupees Four Thousand One Hundred Fourteen and Paise Zero Only |
| | (iv) For Purnea | Nos/1000 | 4835.00 | Rupees Four Thousand Eight Hundred Thirty Five and Paise Zero Only |
| | (v) For Saharsa | Nos/1000 | 4549.00 | Rupees Four Thousand Five Hundred Forty Nine and Paise Zero Only |
| | (vi) For rural Patna | Nos/1000 | 4306.00 | Rupees Four Thousand Three Hundred Six and Paise Zero Only |
| 5 | **Brick Bats** | | | |
| | (i) For urban Patna | Per $m^3$ | 1095.00 | Rupees One Thousand Ninety Five and Paise Zero Only |
| | (ii) For Purnea, Saharsa, Bhagalpur, Munger & Darbhanga | Per $m^3$ | 1050.00 | Rupees One Thousand Fifty and Paise Zero Only |
| | (iii) For other places | Per $m^3$ | 1004.00 | Rupees One Thousand Four and Paise Zero Only |
| | (iv) For rural Patna | Per $m^3$ | 1049.00 | Rupees One Thousand Forty Nine and Paise Zero Only |
| 6 | **Jhama Metals** | | | |
| | **(a) 63 mm to 40 mm size** | | | |
| | (i) For urban Patna | Per $m^3$ | 1303.00 | Rupees One Thousand Three Hundred Three and Paise Zero Only |
| | (ii) For Purnea, Saharsa, Bhagalpur, Munger & Darbhanga | Per $m^3$ | 1247.00 | Rupees One Thousand Two Hundred Forty Seven and Paise Zero Only |
| | (iii) For other places | Per $m^3$ | 1222.00 | Rupees One Thousand Two Hundred Twenty Two and Paise Zero Only |
| | (iv) For rural Patna | Per $m^3$ | 1273.00 | Rupees One Thousand Two Hundred Seventy Three and Paise Zero Only |
| | **(b) 40 mm to 20 mm size** | | | |
| | (i) For urban Patna | Per $m^3$ | 1452.00 | Rupees One Thousand Four Hundred Fifty Two and Paise Zero Only |
| | (ii) For Purnea, Saharsa, Bhagalpur, Munger & Darbhanga | Per $m^3$ | 1392.00 | Rupees One Thousand Three Hundred Ninety Two and Paise Zero Only |
| | (iii) For other places | Per $m^3$ | 1351.00 | Rupees One Thousand Three Hundred Fifty One and Paise Zero Only |
| | (iv) For rural Patna | Per $m^3$ | 1408.00 | Rupees One Thousand Four Hundred Eight and Paise Zero Only |
| | **(c) 20 mm and down** | | | |
| | (i) For urban Patna | Per $m^3$ | 1665.00 | Rupees One Thousand Six Hundred Sixty Five and Paise Zero Only |
| | (ii) For Purnea, Saharsa, Bhagalpur, Munger & Darbhanga | Per $m^3$ | 1595.00 | Rupees One Thousand Five Hundred Ninety Five and Paise Zero Only |
| | (iii) For other places | Per $m^3$ | 1538.00 | Rupees One Thousand Five Hundred Thirty Eight and Paise Zero Only |
| | (iv) For rural Patna | Per $m^3$ | 1606.00 | Rupees One Thousand Six Hundred Six and Paise Zero Only |

| Sr. No. | Materials | Unit | Approved Rate | |
|---|---|---|---|---|
| | | | in figure (₹) | in words |
| 7 | **Surkhi** | | | |
| | (i) For urban Patna | Per $m^3$ | 1724.00 | Rupees One Thousand Seven Hundred Twenty Four and Paise Zero Only |
| | (ii) For Purnea, Saharsa, Bhagalpur, Munger & Darbhanga | Per $m^3$ | 1653.00 | Rupees One Thousand Six Hundred Fifty Three and Paise Zero Only |
| | (iii) For other places | Per $m^3$ | 1595.00 | Rupees One Thousand Five Hundred Ninety Five and Paise Zero Only |
| | (iv) For rural Patna | Per $m^3$ | 1665.00 | Rupees One Thousand Six Hundred Sixty Five and Paise Zero Only |

सदस्य
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख भवन निर्माण विभाग, बिहार, पटना।

सदस्य
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना।

सदस्य
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, लघु जल संसाधन विभाग, बिहार, पटना।

सदस्य
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–सह–मुख्य अभियंता (असैनिक), बिहार स्टेट पावर होल्डिंग कंपनी लि0 बिहार, पटना।

सदस्य
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–सह–मुख्य अभियंता (विद्युत), भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति –सह–अभियंता प्रमुख, तकनीकी परीक्षण कोषांग, निगरानी विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, मुख्यालय, जल संसाधन विभाग, बिहार, पटना।

**संयोजक,**
**राज्यस्तरीय अनुसूचित दर निर्धारण समिति –सह–अभियंता प्रमुख–सह–अपर आयुक्त–सह–विशेष सचिव, पथ निर्माण विभाग, बिहार, पटना।**

# Approved Rate for Coarse Sand (Yellow Sand) for year 2018-19

खान एवं भूतत्व विभाग, बिहार सरकार, पटना के ज्ञापांक–प्र0–1 (विविध) बैठक–15/17–285/एम0, पटना दिनांक–15.01.2018 एवं ज्ञापांक–5015 दिनांक–20.10.2017 के अनुसार

1) Rate of Coarse Sand (Yellow Sand) at source (with Royalty & loading)

= Rs 900/-per 100 cft+5% BSMC Commission

= Rs 945/- per 100 cft

i.e. Rs 333.69/cum

Taking Royalty of Sand = Rs 50.00/m3 & loading-unloading charge (by tipper)

= Rs 173.00/m3

Now Rate of Coarse Sand at source excluding Royalty, loading-unloading charge & GST Charge = Rs 333.69 - 50 – 173.00

= Rs 110.69 /m3

समिति के सदस्यों द्वारा पूर्ण विचारोपरान्त Schedule-M/MORTH-1 के मद संख्या M-004 एवं M-005 पर अंकित Coarse Sand का दर Rs 110.69/cum अनुमोदित करने का निर्णय लिया गया।

सदस्य
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख भवन निर्माण विभाग, बिहार, पटना।

सदस्य
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना।

सदस्य
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, लघु जल संसाधन विभाग, बिहार, पटना।

सदस्य
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–सह–मुख्य अभियंता (असैनिक), बिहार स्टेट पावर होल्डिंग कंपनी लि0 बिहार, पटना।

सदस्य
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–सह–मुख्य अभियंता (विद्युत), भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति –सह–अभियंता प्रमुख, तकनीकी परीक्षण कोषांग, निगरानी विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख, मुख्यालय, जल संसाधन विभाग, बिहार, पटना।

संयोजक,
**राज्यस्तरीय अनुसूचित दर निर्धारण समिति –सह–अभियंता प्रमुख–सह–अपर आयुक्त–सह–विशेष सचिव, पथ निर्माण विभाग, बिहार, पटना।**

## Schedule - M / MORTH - 1 Date: 13.03.18

**List of Approved Rates of Stone Materials for the Preparation of Schedule of Rates only by the State Level Schedule Rate Committee (Materials Should conform to relevant BIS, MoRD and MoRT&H Specifications). The rates are exclusive of Royality ,GST and Contractor's profit. "Rates are at source"**

| Sl. No. | Description of materials | Unit | Approved Rate (₹) | Remarks |
|---|---|---|---|---|
| M-001 | Stone Boulder of size 150 mm and below at Crusher Plant | cum | 206.33 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-002 | Supply of quarried stone 150 - 200 mm size for Hand Broken at site | cum | 206.33 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-003 | Boulder with minimum size of 300 mm for Pitching at Site | cum | 206.33 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-004 | Coarse sand i) at source Quarry Koilwar/Sone sand | cum | 110.69 | Excluding Royalty @ ₹ 50.0 per Cum |
| M-005 | Coarse sand ii) Equivalent to Koilwar/ Sone sand | cum | 110.69 | Excluding Royalty @ ₹ 50.0 per Cum |
| M-006 | Fine sand at Site | cum | 67.66 | Excluding Royalty @ ₹ 50.0 per Cum |
| M-007 | Moorum at Site | cum | 77.21 | Excluding Royalty @ ₹ 55.0 per Cum |
| M-008 | Gravel/Quarry spall at Site | Cum | 206.33 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-009 | Granular Material or hard murrum for GSB works at Site | Cum | 82.52 | Excluding Royalty @ ₹ 50.0 per Cum |
| M-010 | Granular Material or hard murrum for GSB works at Mixing Plant | Cum | 82.52 | Excluding Royalty @ ₹ 50.0 per Cum |
| M-011 | Fly ash conforming to IS: 3812 (Part II & I) at HMP Plant / Batching Plant / Crushing Plant | Cum | 0.00 | Nil |
| M-012 | Filter media/Filter Material as per Table 300-3 (MORT&H Specification) | Cum | 363.19 | Excluding Royalty @ ₹ 50.0 per Cum |
| M-013 | Close graded Granular sub-base Material 53 mm to 9.5 mm | cum | 472.08 | Excluding Royalty @ ₹ 50.0 per Cum |
| M-014 | Close graded Granular sub-base Material 37.5 mm to 9.5 mm | cum | 448.09 | Excluding Royalty @ ₹ 50.0 per Cum |
| M-015 | Close graded Granular sub-base Material 26.5 mm to 9.5 mm | cum | 509.43 | Excluding Royalty @ ₹ 50.0 per Cum |
| M-016 | Close graded Granular sub-base Material 9.5 mm to 4.75 mm | cum | 487.25 | Excluding Royalty @ ₹ 50.0 per Cum |
| M-017 | Close graded Granular sub-base Material 9.5 mm to 2.36 mm | cum | 365.72 | Excluding Royalty @ ₹ 50.0 per Cum |
| M-018 | Close graded Granular sub-base Material 4.75mm to 2.36 mm | cum | 154.77 | Excluding Royalty @ ₹ 50.0 per Cum |
| M-019 | Close graded Granular sub-base Material 4.75mm to 75 micron mm | cum | 140.08 | Excluding Royalty @ ₹ 50.0 per Cum |
| M-020 | Close graded Granular sub-base Material 2.36 mm | cum | 140.08 | Excluding Royalty @ ₹ 50.0 per Cum |
| M-021 | Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve. | cum | 89.38 | Excluding Royalty @ 10.0 % of price |
| M-022 | Coarse graded Granular sub-base Material 2.36 mm & below | cum | 86.98 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-023 | Coarse graded Granular sub-base Material 4.75mm to 75 micron mm | | 86.98 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-024 | Coarse graded Granular sub-base Material 4.75 mm to 2.36 mm | cum | 101.67 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-025 | Coarse graded Granular sub-base Material 9.5 mm to 4.75 mm | cum | 434.15 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-026 | Coarse graded Granular sub-base Material 26.5 mm to 4.75 mm | cum | 404.62 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-027 | Coarse graded Granular sub-base Material 26.5 mm to 9.5 mm | cum | 456.33 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-028 | Coarse graded Granular sub-base Material 37.5 mm to 9.5 mm | cum | 394.98 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-029 | Coarse graded Granular sub-base Material 53 mm to 26 .5mm | cum | 362.57 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-030 | Aggregates below 5.6 mm | cum | 101.67 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-031 | Aggregates 22.4 mm to 2.36 mm | cum | 433.34 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-032 | Aggregates 22.4 mm to 5.6 mm | cum | 433.34 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-033 | Aggregates 45 mm to 2.8 mm | cum | 375.44 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-034 | Aggregates 45 mm to 22.4 mm | cum | 383.71 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-035 | Aggregates 53 mm to 2.8 mm | cum | 375.44 | Excluding Royalty @ ₹ 100.0 per Cum |

| Sl. No. | Description of materials | Unit | Approved Rate (₹) | Remarks |
|---|---|---|---|---|
| M-036 | Aggregates 53 mm to 22.4 mm | cum | 362.57 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-037 | Aggregates 63 mm to 2.8 mm | cum | 331.78 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-038 | Aggregates 63 mm to 45 mm | cum | 331.67 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-039 | Aggregates 90 mm to 45 mm | cum | 299.84 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-040 | Aggregates 10 mm to 5 mm | cum | 434.15 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-041 | Aggregates 11.2 mm to 0.09 mm | cum | 248.50 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-042 | Aggregates 13.2 mm to 0.09 mm | cum | 374.53 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-043 | Aggregates 13.2 mm to 5.6 mm | cum | 520.42 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-044 | Aggregates 13.2 mm to 10 mm | cum | 549.26 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-045 | Aggregates 20 mm to 10 mm | cum | 549.26 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-046 | Aggregates 25 mm to 10 mm | cum | 518.82 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-047 | Aggregates 19 mm to 6 mm | cum | 433.34 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-048 | Aggregates 37.5 mm to 19 mm | cum | 383.71 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-049 | Aggregates 37.5 mm to 25 mm | cum | 383.71 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-050 | Aggregates 6 mm nominal size | cum | 312.49 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-051 | Aggregates 10 mm nominal size | cum | 520.42 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-052 | Aggregates 13.2/12.5 mm nominal size | cum | 549.26 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-053 | Aggregates 20 mm nominal size | cum | 456.33 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-054 | Aggregates 25 mm nominal size | cum | 430.48 | Excluding Royalty @ ₹ 100.0 per Cum |
| M-055 | Aggregates 40 mm nominal size | cum | 345.22 | Excluding Royalty @ ₹ 100.0 per Cum |

सदस्य
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति–सह–अभियंता प्रमुख
भवन निर्माण विभाग, बिहार, पटना।

सदस्य
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति–सह–अभियंता प्रमुख,
ग्रामीण कार्य विभाग, बिहार, पटना।

सदस्य
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति–सह–अभियंता प्रमुख,
लघु जल संसाधन विभाग, बिहार, पटना।

सदस्य
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति–सह–मुख्य अभियंता (असैनिक),
बिहार स्टेट पावर होल्डिंग कंपनी लि0
बिहार, पटना।

सदस्य
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–सह–मुख्य अभियंता (विद्युत),
भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
–सह–अभियंता प्रमुख, तकनीकी परीक्षण कोषांग,
निगरानी विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति–सह–अभियंता प्रमुख, लोक
स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–सह–अभियंता प्रमुख,
मुख्यालय, जल संसाधन विभाग, बिहार, पटना।

**संयोजक,**
**राज्यस्तरीय अनुसूचित दर निर्धारण समिति**
**–सह–अभियंता प्रमुख–सह–अपर आयुक्त–सह–**
**विशेष सचिव, पथ निर्माण विभाग, बिहार, पटना।**

# RAILWAY ROUTE CHART & FREIGHT

Government of India (Bharat Sarkar )
Ministry of Railways ( Rail Mantralaya)
(Railway Board)

No. 2009/TT-III/S/27/1 New Delhi, dt. 6-10-2009

The General Managers (Operating)/(Commercial),

All Indian Railways including Production Units

**GENERAL ORDER NO. 1/2009**
**(RATIONALISATION SCHEME)**
**(EFFECTIVE FROM 15.10.2009)**

Whereas in the opinion of the Railway Board it is necessary to do so in the public interest:

Now, therefore, in exercise of the powers conferred by Section 71 of the Railways Act, 1989 (24 of 1989) read with notification of the Government of India in the Ministry of Railways number G.S.R. 53(E) dated the 23rd January, 1995, the Railway Board hereby directs that all Railway Administration shall carry, unless it is necessary to divert such wagons for operational convenience after the consignments are booked, any goods or class of goods by such route or routes as specified in this order:

| S.No. | From | To | Via |
|---|---|---|---|
| 1 | | **Eastern Railway** | |
| 1.1 | Coal Traffic from PANEM served by Pakur | Destinations on N.R. and N.C.R. | via Pakur-Sainthia-Andal-Pradhankhunta-Mughalsarai |
| 2 | | **East Coast Railway** | |
| 2.1 | All goods traffic | Stations reached via Cuttuck except stations on Nergundi-Cuttuck-Paradeep section | via Barang-Kapilas Road-bye pass avoiding Cuttuck |
| 2.2 | All Goods traffic loaded on ECOR, SCR and SR (except for traffic originating/terminating on the section Jakhapura - Jarauli - DPS) | To destinations for which shortest route is Jakhapura-Nayagarh-Jarauli-Baspani | via Bhadrak |
| 3 | | **Northern Railway** | |
| 3.1 | All Goods Traffic | Destinations reached via Delhi Area or originating / terminating in Delhi Area | via Goods Avoiding Line/Delhi Avoiding Line/Tughalakabad which ever is applicable |
| | Note: (1) Traffic for Subzi Mandi will also be routed by the direct route. | | |
| 3.2 | All Goods Traffic from and via Varanasi | Lucknow and beyond | via Janghai - Pratapgarh - Rai Bareily |
| 3.3 | Foodgrains traffic originating on Northern Railway and Jodhpur and Bikaner Divisions of North Western Railway | Station on Nagpur – Rourkela ( excl.) section including Raipur – Vizianagaram and Jharsuguda – Titlagarh sections for which the shorter route is via Anuppur – Bilaspur | Via Itarsi – Amla – Nagpur / Ajni Bye Pass. |

Contd.../3/

| | | | |
|---|---|---|---|
| **4** | | **North Eastern Railway** | |
| 4.1 | All goods traffic from stations of ER, ECR,SER and ECOR and vice versa | To stations on CR,WCR, NR, NCR, NWR and WR and vice versa for which the present shortest route is via MGS-BSB-MBS-ALY | via Mughalsarai - Mirzapur-Allahabad |
| **5** | | **South Eastern Railway** | |
| 5.1 | Iron Ore traffic from Barsuan – Bondamunda section of S.E.Railway | To stations for which shortest route is via Jaruli – Jakhpura and to stations on Kharagpur-Bhadrak-Jhakhpura –Vizianagaram (inclusive) section , Jhakhpura – Paradeep Port and Jhakhpura - Budhapank | Via Tatanagar – Kharagpur- Bhadrak subject to observing Para 2.1 above. |
| 5.2 | Iron ore traffic originating at Bolanikhadan, Barbil, Barajamda, Gua , Noamundi and Dongoaposi stations and their associate sidings on South Eastern Railway | Stations on Jaruli-Jakhpura-Cuttack-Paradeep section for which the shortest route is via Banspani-Jaruli-Jakhapura | Via Tatanagar-Kharagpur-Bhadrak |
| 5.3 | Iron ore traffic originating at Bolanikhadan, Barbil, Barajamda, Gua and Noamundi stations and their associate sidings on South Eastern Railway | Stations on Kapilas Road – Barang Bye pass and stations on Barang – Visakhapatnam section and via Duvada for which the shortest route is via Banspani-Jaruli-Jakhapura | Via Tatanagar - Kharagpur - Bhadrak subject to observing Para 2.1 above. |
| **6** | | **South East Central Railway** | |
| 6.1 | Coal from Korea-Rewa Coal field of Bilaspur Division of SECR | Stations on Central and via | Via Katni Marwara (KMZ) |

6.10.09

Contd... 4/-

| | | | |
|---|---|---|---|
| 6.2 | Coal from Korea-Rewa Coal field of Bilaspur Division of SECR | Stations on Southern and South Central Railway and Stations of Bombay Division of Western Railway | Via Katni Marwara (KMZ)-Bina-Khandwa-Bhusaval |
| 6.3 | All goods traffic originating on main line of Bilaspur Division {Jharsuguda (exclusive) - Durg (Inclusive) and Uslapur (exclusive)} including all branch lines connected on this section. | Stations on Vadodara & Rajkot Divisions of Western Railway | Via Nagpur - Bhusawal - Jalgaon - Surat. |
| 6.4 | All Goods Traffic originating from Bhilai Steel Plant and Durg | Stations on Southern Railway | via Nagpur- Balharshah instead of via R.V. line. |

7. The provisions of the Rationalisation Scheme shall not apply to Over Dimensional Consignments, POL traffic and edible salt i.e. salt for human consumption.

8. The rate to be charged will be those chargeable by the route specified above.

9. The provisions of the Rationalisation Scheme will also apply to the branch lines connected with the different sections covered by the Rationalisation Scheme General Order unless categorically specified otherwise.

10. This order is issued in suppression of General Order No. 1/2008 issued under Board's letter No. 2008/TT-III/27/1 dated 11.06.2008 and will come into force with effect from 15.10.2009 and unless cancelled earlier will remain in force up to 31.10.2010.

Please acknowledge receipt.

6-10-09

(Sarat Kumar )
Joint Director Traffic Transp.
Railway Board

DA: 25 spares

Contd..../5/..

No. 2009/TT-III(S)/27/1 New Delhi, dt: 6-10-09

Copy forwarded for information and necessary action to:

1. The Joint Director (Rail Movement), Eastern Railway House, Fairlie Place, 17, N.S. Road, Kolkata.
2. The FA&CAOs ,All Indian Railways.
3. ADAI (Railways) with 10 copies spare, 2nd floor, Rail Bhawan, New Delhi.
4. The Principal, Railway Staff College, Vadodara.
5. Managing Director, Centre for Railway Information System (CRIS), Chanakya Puri, New Delhi.
6. The CAO, FOIS C/o CRIS, Chanakyapuri, New Delhi.
7. The Managing Director, Container Corporation of India Ltd. (CONCOR), CONCOR Bhavan, C-3 Mathura Road, Opposite Apollo Hospital, New Delhi 110076
8. Managing Director, Konkan Railway Corporation Limited, Belapur Bhavan, Plot No.6, Sector 11, CBD, Belapur, Navi Mumbai 400614.
9. The Cabinet Secretariat, Rashtrapati Bhawan, New Delhi.
10. The Planning Commission, Yojna Bhawan, New Delhi.
11. All Ministries of Government of India.
12. The Chief Secretaries, All State Governments.
13. The Salt Commissioner, 2-A Lawan Bhawan, Lawan Marg, Jhalana Dhungari, Post Box No. 139, Jaipur – 302 004.
14. The Dy. Director General, Railway Movement, Army Headquarters, QMG's Branch, DHQ P.O. Sena Bhawan, New Delhi.
15. The Director, Indian Bureau of Mines, Nagpur.
16. The Traffic Manager, Kolkata Port Trust Railway, Kolkata.
17. The Manager, Madras Port Trust Railway, Chennai
18. The Manager, Bombay Port Trust Railway, Mumbai
19. The Chief Traffic Manager, FCI, 16-20 Barakhamba Lane, New Delhi.
20. The Dy.Traffic Manager (Movement) Rates, FCI, 16-20 Barakhamba Lane, New Delhi.
21. The Coal Controller, 1 Council House Street, Kolkata.
22. The State Trading Corporation of India, Chandralok, 30th Janpath, New Delhi.
23. The Chairman, Paradeep Port Trust, Paradip Port, Orissa 754142
24. The Chairman, Tuticorin Port Trust, Tuticorin, 628004.
25. The Chairman, Cochin Port Trust, Willington Island, cochin 682009.
26. The Chairman, Chennai Port Trust, Chennai 600001.
27. The Chairman, Kandala Port Trust, P.O.Box. No.50, Administrative Building, Gandhidham, Kutch, 370201.

6.10.09

(Sanat Kumar)
Joint Director Traffic Trans.
Railway Board

EDTT(M), EDTT(S), EDTT(F), EDFM, EDPM, EDFC, ED(C&IS), EDV (T), EDP, ED(T&C), ED (LRDSS), E.D.A. DTT(G), DTT(COORD), DF(C), DTC (G), DPM, Dir(T&C), DFM, DFA, DF(CCA), DTC (R), Dir(FM), JDTT(POL) CHG/CONTROL,DDTC(CR), DTT(F), DDTT(V), DDTT-III(M), DDTT-III(NB),DDTT-I, DDTC(R),TT-I, TT-II, TT-IV, TT-V, FC, TC (CR), TC-I, TC-II, TC-III, TC-IV, TC (FM), Branches of Railway Board.

**भारत सरकार(GOVERNMENT OF INDIA)**
**रेल मंत्रालय(MINISTRY OF RAILWAYS)**
**रेलवे बोर्ड (RAILWAY BOARD)**

No.TCR/1078/2015/07 New Delhi, dated: 18.11.2016

**General Managers**
**All Indian Railways**

**Sub: Adjustment in Base Freight Rates- Classification of Commodities**

**Ref: Board's letter No. TCR/1078/2015/07 dated 16.03.2015 and 20.03.2015 (Rates Circular No. 8 of 2015 and Corrigendum thereto).**

1.0 Please refer Board's letter under reference notifying adjustment in Base Freight Rates with effect from 01.04.2015.

2.1 Sanction of the competent authority is hereby accorded to revise the classification of **"Ochre"** appearing under the Main Commodity Head- Clay and Sand from Class-150 to Class-120.

2.2 Accordingly the entries "**Ochre in lumps; Ochre in powder and Ochre, NOC**" may be deleted from Group 7 (a) and be placed in Group No. 7 (b) under the Main Commodity Head- Clay and Sand at Page No. 11 in the Goods Tariff No. 48 Part I (Vol. II).

3.0 All other details of the Rates Circular under reference will continue to apply unchanged.

4.0 These instructions shall come into effect from 24.11.2016 and shall remain in force till further advice.

5.0 This issues with the concurrence of Finance Directorate of Ministry of Railways.

latakumari

**(Lata Kumari)**
**Director, Traffic Commercial (Rates)**
**(Railway Board)**

No.TCR/1078/2015/07 New Delhi, dated: 18.11.2016

FA & CAO, All Indian Railways.
Dy. C&AG(Rlys), Room No.222, Rail Bhavan, New Delhi.

18/11/16.

***for* Financial Commissioner(Railways)**

...2/-

No.TCR/1078/2015/07 New Delhi, dated: 18.11.2016

Copy for information and necessary action to:

1. CCM, All Indian Railways
2. COMs, All Indian Railways
3. Managing Director, CRIS, Chanakya Puri, New Delhi-23
4. The Chief Administrative Officer, FOIS, Northern Railway, Camp: CRIS, Chanakya Puri, New Delhi-23.
5. Managing Director, Konkan Railway Corporation, Belapur Bhavan, Sector-11, CBD Belapur, New Mumbai-400614.
6. Director General, National Academy of Indian Railways, Vadodara.
7. Director, Indian Railways Institute of Transport Management, Campus: Hardoi Bye Pass Road, Village & Post office: Kanausi, Manaknagar, Lucknow.
8. Secretary, Railway Rates Tribunal, 5, P.V.Cherian Road, Crecent Road, Egmore, Chennai- 600105
9. Commissioner of Railway Safety (CRS), Lucknow.

latakumari

**(Lata Kumari)**
**Director, Traffic Commercial (Rates)**
**(Railway Board)**

Copy to:-
OSD to MT
PSO to FC
PPS to: AM(C), AM(T), AM (Vig),
Adv(F), AdvTT(M),
ED(FM),EDTC(R), EDF(C), EDTT(F), EDTT(S), EDME(Frt.),
DF(C), DME(Frt.), D(FM), DDF(C),
TC(CR),TC-I, TC(FM), TT-IV, F(C), Stat-II, Stat(CA), Stat-V, Stat(Econ),
Economic Cell and Budget Branches of Railway Board.

**भारत सरकार( GOVERNMENT OF INDIA)**
**रेल मंत्रालय( MINISTRY OF RAILWAYS)**
**रेलवे बोर्ड (RAILWAY BOARD)**

No. TCR/1078/2015/07 New Delhi, dated 16.03.2015

**The General Managers,**
**All Indian Railways.**

**Sub: *Adjustments in Base Freight rates effective from 01.04.2015.***

1. Sanction of the Central Government is hereby accorded for the following adjustments in Base Freight rates **with effect from 01.04.2015.**

1.1 The freight structure for the Base Class-100 has been increased by 10%.

1.2 The classification of following commodities has been reduced as under:-

| S.No. | Commodity | Existing Class | **Revised Class** |
|---|---|---|---|
| 1 | Salt for Human consumption | 110 | **100** |
| 2 | Cement | 150 | **140** |
| 3 | Coal and Coke | 150 | **145** |
| 4 | Limestone, Dolomite & Manganese ore | 160 | **145** |
| 5 | Metal Scrap and Pig Iron | 160 | **150** |
| 6 | Slag | 150 | **140** |
| 7 | Iron or Steel | 180 | **165** |
| 8 | Iron ores | 180 | **165** |
| 9 | Petroleum Products | 200 | **180** |
| 10 | Bitumen, Coal Tar and Coal Tar Pitch | 170 | **160** |
| 11 | Kerosene Oil, Liquefied Petroleum Gas (LPG) | 180 | **165** |

**2. Rationalisation of Distance Slabs**

2.1 The distance slabs beyond 1500 kms have been revised from 250 km to125 km between1501-3500 kms.

2.2 A copy of the combined revised Goods Tariff No.48 Part I (Vol.II) and Goods Tariff No.48, Part-II (Freight Rates Tables) is enclosed herewith.

**3.** Zonal Railways should ensure that requisite number of copies of the revised Goods Tariff No.48 Part.I (Vol.II) and Goods Tariff No.48 Part.II (Freight Rates Tables) are collected from the General Secretary, IRCA and distributed in time.

...2/-

***Rates Circular No 8 of 2015***

**4.** Steps should also be taken to ensure that all relevant personnel are made conversant with the aforesaid revisions, related instructions, etc. promptly. Commercial Inspectors (CMIs) and Traffic Inspectors of Accounts (TIAs) may be deputed to goods sheds/ stations/ sidings etc. for ensuring correct implementation of the instructions, particularly during the initial phase.

This issues with the concurrence of the Finance Directorate of the Ministry of Railways.

**( Aashima Mehrotra )**
**Director, Traffic Comml (Rates)**
**Railway Board.**

No. TCR/1078/2015/07 New Delhi, dated 16.03.2015

**Copy for information:-**

FA & CAOs, All Indian Railways
Dy.C&AG (Rlys.), Room No.222, Rail Bhavan, New Delhi.

***for* Financial Commissioner(Railways)**

No. TCR/1078/2015/07 New Delhi, dated 16.03.2015

**Copy for information and necessary action to:**

1. Chief Commercial Managers, All Indian Railways.
2. Executive Director, CRIS Chanakya Puri, New Delhi-21.
3. The Chief Administrative Officer, FOIS, Northern Railway, CRIS, Chanakya Puri, New Delhi-21, to ensure that all relevant provision are duly incorporated in TMS.
4. Managing Director, Konkan Railway Corporation, Belapur Bhavan, Sector-11, CBD Belapur, New Mumbai-400614.
5. Director General, National Academy for IR, Vadodara.
6. GS/IRCA, New Delhi.
7. Director, IRITM, Campus: Hardoi Bye Pass Road, Village & Post office, Kanausi, Manaknagar, Lucknow.
8. Managing Director, Pipavav Railway Corporation Ltd., Jeevan Tara Building, 1st Floor, Gate No.4, Sansad Marg, New Delhi - 110001.

**( Aashima Mehrotra )**
**Director, Traffic Comml (Rates)**
**Railway Board.**

**Copy to:-**

CRB, FC, MT,
AM.(C ),AM (Vig), AM (T&C), AM (C&IS), AM(T), Adv.(F), EDPG, EDPM, ED(T&C), EDTT(F), EDTT(M), EDVT, EDF(C), D(FM),
TC(CR),TC-I, TC-II, TC-III, TC-IV, TT-I, TT-II,TC(FM), STAT-II, STAT(CA),
STAT-V, STAT(Econ), F(C), Economic Cell and Budget Branches of Railway Board.

# GUIDING PRINCIPLES FOR CLASSIFICATION AND GENERAL RULES FOR CHARGING OF FREIGHT

1.0 Classifications of the commodities have been given in the Goods Tariff under Main Commodity Heads and three divisions of low rated commodities.

2.0 The classification of different commodities under the Main Commodity Head given in the Goods Tariff, if not explicitly mentioned otherwise, will be same for their different physical forms/shapes and different conditions, (whether raw or manufactured etc).

2.1 Certain articles have been arranged into divisions distinguished by letters of the alphabet, and certain other into group indexed to a main-head to which they belong under the words *"Includes"* or *"As under"*. They are also entered in their position in alphabetical order in the classification. The items indexed to a main-head under the word *"Includes"* do not necessarily exhaust the definition of the main head but items indexed to a main-head under the words *"As under"* must be considered as exhaustive.

3.0 A commodity, which has not been included in any of the Main Commodity Heads or three divisions of low rated commodities given in the Goods Tariff, will be charged at Composite Base freight rates applicable for the wagon type in which it is loaded. The base rates are as under:-

| Type of wagon | Applicable Class |
|---|---|
| Tank Wagons | Class-200 |
| Flat Wagons | Class-180 |
| Open (including Hoppers) Wagons | Class-160 |
| Covered Wagons | Class-150 |

4.0 Proposal for assigning trainload classification of a commodity not indicated in the Goods Tariff but having a potential for block rake loading may be sent to Railway Board.

5.0 Only train load classification of commodities has been indicated in the Goods Tariff. The classification for wagonload movement of the commodity will be as under:-

| | **Trainload Class** | **Wagonload Class** |
|---|---|---|
| (a) | Up to Class $LR_1$ | Class 120 |
| (b) | Above Class $LR_1$ And up to Class-190 | One Class higher than Trainload class rate or Class-150, whichever is higher |
| (C) | Class-200 | Base Freight rate of Class-200 + 5% |

5.1 MG and NG System: Notwithstanding anything contained in Para 5.0, the Wagonload Class of all commodities shall be one Class higher than their respective Trainload class when loaded on Metre Gauge (MG) and Narrow Gauge (NG) system. However, for the commodities in the highest Class, the Wagonload Class will be same as Trainload Class.

6.0 Exceptions in the classification or weight for charge etc. have been indicated in a "subhead" given in the Goods Tariff below the particular Main Commodity Head.

7.0 In case of any disparity in classification between English and Hindi version, the classification given in English version shall prevail.

8.0 Dangerous/hazardous commodities are indicated with alphabet "d" in the column 'Type of commodity'. These commodities are to be charged at the class indicated for the Main Commodity Head. However, all other dangerous/hazardous commodities, not listed in the Goods Tariff but listed in the "Red Tariff", will be charged at the highest Class-200. Dangerous commodities will not be booked for transportation by Rail unless they are listed in the "Red Tariff".

8.1 All conditions for carriage of dangerous/hazardous commodities, as laid down in the Red Tariff, must be followed.

9.0 The chargeable weight for all commodities shall be Permissible Carrying Capacity (PCC) of the wagon notified from time to time.

10.0 Minimum distance for charge shall be 125 kms for all commodities.

11.0 Freight charges for traffic booked under provisions of Goods Tariff will be rounded off to the next higher rupee. Such rounding off of freight per Railway Receipt will be done only once after adding all

applicable charges/surcharges like surcharges under Dynamic Pricing policy, etc.

12.0 Pre-payment of freight is compulsory for all commodities. In case of E-payment, TMS will permit issue of 'Paid E-RR' when a positive confirmation from Bank is received regarding collection of freight. If Bank sends a message of insufficient funds, system will issue 'To-pay' E-RR. If no message is received from the Bank within 150 seconds for any reason whatever, then system will issue a Paid E-RR subject to conditions laid down for 'Procedure in case of exigencies' under e-payment guidelines.

13.0 The commodities attached with "OR" in the column "Risk Rate" will be charged/booked at Owner's Risk. However, commodities with OR rate can be booked at RR rate on payment of 20% surcharge. In all other cases, where "OR" does not appear, commodities be treated to have been charged/booked at Railway Risk Rate.

14.0 Packing condition given against the main commodity head shall also apply to all commodities mentioned under that main commodity head unless other packing condition is specifically mentioned against the respective commodity.

14.1 Consignors will have to ensure that the commodities offered for transportation by railways are not defectively or improperly packed depending upon the nature of the commodity and the method of transportation such as in loose condition, in bulk, in bagged condition etc. It should be ensured that the commodities are packed in such a manner that they are not liable to damage, deterioration, leakage or wastage during transit.

14.2 It should be ensured that the commodities are packed in bags, containers, drums, cases, cartons etc. of high quality and adequate strength, which can withstand the rigours of transportation and also provide ease of handling. Commodities loaded in loose condition such as bamboos, timber, Iron & steel etc. must be securely tied.

****

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## Commodity Index


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| ix) | Timber | 8 |
| x) | Vegetable oil pitches | 8 |
| xi) | Water | 8 |
| **24** | **DIVISION -'B'** | 8 |
| i) | Boiler Components | 8 |
| ii) | Charcoal | 8 |
| iii) | Paper | 8 |
| **25** | **DIVISION -'C'** | 8 |
| i) | Bamboos | 8 |
| ii) | Brooms | 8 |
| iii) | Coffee and Tea | 8 |
| iv) | Coir | 8 |
| v) | Cotton and other Textiles | 8 |
| vi) | Fodder and Husk | 8 |
| vii) | Fruits and Vegetables | 9 |
| viii) | Groceries | 9 |
| ix) | I V and Insecticide fluid | 9 |
| x) | Live stock | 9 |
| xi) | Motor vehicles | 9 |
| xii) | Sugarcane & Bagasse | 9 |

## GENERAL CLASSIFICATION OF GOODS

| Group No | Commodity | Packing Conditions | Chargeable Weight | Payment freight | Risk Rate | Type of commodity | Base Class (Trainload) |
|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| **GENERAL TARIFF LINES** | | | | | | | |
| **1** | **Acids and Alcohols** | P5 | PCC | p | RR | | **200** |
| | *As under:-* | | | | | | |
| | Absolute Alcohols | | | | | d | |
| | Acetic Acid | | | | | d | |
| | Benzoic Acid | | | | | | |
| | Benzyl Alcohols | | | | | | |
| | Boric Acid | | | | | | |
| | Butyl alcohol | | | | | | |
| | Citric Acid | | | | | | |
| | Hydrochloric Acid | | | | | d | |
| | Nitric Acid | | | | | d | |
| | Phosphoric Acid | | | | | d | |
| | Spirit | | | | | d | |
| | Sulphuric Acid | | | | | d | |
| **2** | **Alloys and Metals** | P2(a) | PCC | p | RR | | **180** |
| | *As under:-* | | | | | | |
| | Alloy pipes | | | | | | |
| | Alloy Steel | | | | | | |
| | Alumina | | | | | | |
| | Aluminimum Ingots & Billets | | | | | | |
| | Aluminium Powder | | | | | d | |
| | Brass | | | | | | |
| | Copper Anode & Cathode | | | | | | |
| | Copper concentrates | | | | | | |
| | Copper Ingot & Slab | | | | | | |
| | Ferro Chrome | | | | | | |
| | Ferro Manganese | | | | | | |
| | Ferro Silicon | | | | | d | |
| | Kansa | | | | | | |
| | Lead | | | | | | |
| | Silico Chrome | | | | | | |
| | Silicon | | | | | | |
| | Silicon Manganese | | | | | | |
| | Tin plate | | | | | | |
| | Zinc | | | | | | |
| **3** | **Bricks and Stones** | P2(a) | PCC | p | OR | | **150** |
| | *As under:-* | | | | | | |
| | Ballast | | | | | | |
| | Ballast chips | | | | | | |
| | Ceramic tiles | | | | | | |
| | Chakkees | | | | | | |
| | Flooring tiles | | | | | | |
| | Flooring Stone | | | | | | |
| | Glass Stone | | | | | | |
| | Granite | | | | | | |
| | Gravel | | | | | | |
| | Kota Stone | | | | | | |
| | Kunker | | | | | | |
| | Marble chips | | | | | | |
| | Marble dressed | | | | | | |
| | Marble un-dressed | | | | | | |
| | Mill Stone | | | | | | |
| | Quartz (Chips, Gravels, Powder & Stone) | | | | | | |
| | Roller Stone | | | | | | |

## GENERAL CLASSIFICATION OF GOODS

| Group No | Commodity | Packing Conditions | Chargeable Weight | Payment freight | Risk Rate | Type of commodity | Base Class (Trainload) |
|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| | Sanitory wares | | | | | | |
| | Slate | | | | | | |
| | Slate Stone | | | | | | |
| | Stone Dust | | | | | | |
| | Stone Grit | | | | | | |
| | Stone Pillars | | | | | | |
| | Stone Ware | | | | | | |
| | Stone, Cut and/or Engraved | | | | | | |
| 3 (a) | Bricks broken | | | | | | **130** |
| | Fire bricks | | | | | | |
| **4** | **Caustic Potash and Soda** | P1 or P5 | PCC | p | RR | | **140** |
| | *As under:-* | | | | | | |
| | Caustic potash liquor | | | | | d | |
| | Caustic potash solid | | | | | | |
| | Caustic soda | | | | | | |
| | Caustic soda liquor | | | | | d | |
| | Caustic soda lye | | | | | d | |
| | Chlorate of Soda | | | | | d | |
| | Soda ash | | | | | | |
| | Soda Bicarbonate | | | | | | |
| | Sulphur | P1 | | | | | |
| | Washing soda | | | | | | |
| **5** | **Cement** | P1 | PCC | p | RR | | **140** |
| | *As under:-* | | | | | | |
| | Acid resisting Cement | P5 | | | | | |
| | Asbestos | P1 | | | | | |
| | Cement Blocks | | | | | | |
| | Cement Clinker | P2(a) | | | | | |
| | Cement manufactured | P2(b), P4 | | | | | |
| | Cement Pipes | P2(b) | | | | | |
| | Cement sheets | | | | | | |
| | Cement Tiles | P4 | | | | | |
| | Coloured Cement | | | | | | |
| | Superfine Cement | P1 | | | | | |
| | White Cement | | | | | | |
| 5 (a) | Fly ash | P2(a) | | p | | | **120** |
| **6** | **Chemical Manures*** | P1 | PCC | p | RR | | **130** |
| | *As under:-* | | | | | | |
| | Ammonium Nitrophosphate | | | | | | |
| | Ammonium Phosphate | | | | | | |
| | Ammonium Sulphate Nitrate | | | | | | |
| | Bentonite Sulphur Pastilles (Straight Sulphur Fertilizer) | | | | | | |
| | Calcium Ammonium Nitrate | | | | | | |
| | Calcium Nitrate | | | | | d | |
| | Calcium Sulphate | | | | | | |
| | Complex Fertilizers | | | | | | |
| | Cynamide | | | | | | |
| | Di-Ammonium Phosphate | | | | | | |
| | Ground Phosphate | | | | | | |
| | Lime Nitrogen | | | | | | |
| | Manure mixture | | | | | | |
| | Mineral Phosphate | | | | | | |
| | Muriate of Ammonia (Ammonia Chloride) | | | | | | |
| | Muriate of Potash | | | | | | |
| | Mycelium | | | | | | |

## GENERAL CLASSIFICATION OF GOODS

| Group No | Commodity | Packing Conditions | Chargeable Weight | Payment freight | Risk Rate | Type of commodity | Base Class (Trainload) |
|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| | N.P.K.Fertilizer<br>Nitrolim<br>Nitrophoska<br>Rock Phosphate (in Bag)<br>Rock Phosphate (in Loose)<br>Single Super Phosphate<br>Sulphate of Ammonia<br>Sulphate of Zinc<br>Super Phosphate<br>Triple Super Phosphate<br>Urea<br>Urea Ammonium Phosphate 20.20.0<br>Urvara<br>Water Soluble fertilizer | P2(a) | | | | | |
| **Note** | ***Apart from the commodities listed above as Chemical Manures, the Chemical Manures included in the Fertiliser Control Order issued by the Ministry of Agriculture and Rural Development (Department of Agriculture and Co-operation), would be treated as Chemical Manures and may be charged at Class notified for Chemical Manures"*** | | | | | | |
| **7** | **Clay and Sand**<br>*Includes:-*<br>Brick Earth<br>Ground silica<br>Luting sand<br>Ochre<br>Red Mud<br>White Clay (Lumps/Powder) | P2(a) | PCC | p | RR | | **150** |
| 7 (a) | Bentonite powder<br>China Clay<br>Fire Clay | | | | | | **120** |
| **8** | **Coal and Coke**<br>*Includes:-*<br>Calcined Petroleum coke<br>Coal Dust<br>Coal Shale<br>Coke hard<br>Coke soft<br>Coking coal<br>Coke<br>Lignite<br>Metallurgical coke<br>Patent Fuel (as coal)<br>Petroleum coke<br>Raw Petroleum coke<br>Middling<br>Run of Mines Coal (ROM)<br>Steam coal<br>Washed Coal | P2(a) | PCC | p | OR | | **145** |

## GENERAL CLASSIFICATION OF GOODS

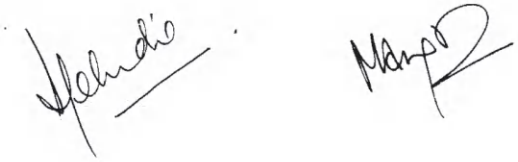
| Group No | Commodity | Packing Conditions | Chargeable Weight | Payment freight | Risk Rate | Type of commodity | Base Class (Trainload) |
|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| **9** | **Foodgrains, Flours and Pulses**<br>*Includes:-*<br>Atta<br>Bajra<br>Besan<br>Chana Dal<br>Gram<br>Jowar<br>Maida<br>Maize<br>Moong Dal<br>Musoor Dal<br>Paddy<br>Rice<br>Suji<br>Toor Dal<br>Urad Dal<br>Wheat | P1 & S2 | PCC | p | RR | | **130** |
| **10** | **Fish Meal**<br>Floating Fish Feed | P1 | PCC | p | RR | | **100** |
| **11** | ***Hydrogenated and Other Edible Oils**<br>*As under:-*<br>All refined & non-refined edible oils<br>Castor oil<br>Groundnut Oil<br>Mustard Oil<br>Palm Oil<br>Sunflower oil<br>Vanaspati Ghee | P5 | PCC | p | RR | | **140** |
| **Note** | ***will be charged at Class-LR3, when booked in covered wagons and Class-100 when booked in 4 wheeled Tank Wagon.*** | | | | | | |
| **12** | **Iron or Steel**<br>*Includes:-*<br>Angles<br>Billets<br>Blooms<br>Cold Rolled Sheets / Coils<br>Colliery Arch & Z-Piling<br>Flat, iron or steel<br>Girders<br>Hot Rolled Sheets / Coils<br>Ingots<br>Iron Mill Scale<br>Stainless steel<br>Lattice/Transmission Tower Parts | P2(b) | PCC | p | RR | | **165** |
| 12(a) | Steel Pipes<br>Wire rod coils | | | | | | **130** |

## GENERAL CLASSIFICATION OF GOODS

| Group No | Commodity | Packing Conditions | Chargeable Weight | Payment freight | Risk Rate | Type of commodity | Base Class (Trainload) |
|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| **13** | **Leather, Rubber and Plastic**<br>*As under:-*<br>Hides & Skins<br>Leather cloth<br>Leather goods<br>Leather refuse<br>Plastic Goods<br>PVC Pipes<br>Rubber crude<br>Rubber Tyres & Tubes | P2(b)or P4<br><br>P3 | PCC | p | OR | | **100** |
| 13 (a) | PVC Powder | | | | | | **110** |
| **14** | **Minerals and Ores**<br>*Includes:-*<br>Alunite<br>Barytes powder<br>Bauxite<br>Calcite<br>Chrome ore<br>Dunite<br>Ilmenite ore<br>Iron pyrites<br>Laterite<br>Lithium ores<br>Pyroxinite<br>Soap Stone<br>Zinc ores | P2(a) | PCC | p | RR | | **160** |
| 14 (a) | Chemical Gypsum<br>Gypsum<br>Gypsum in lumps / powder | | | | | | **150** |
| 14 (b) | Hot Briquetted Iron<br>Iron Ores<br>Iron ores for Export *(distance based charge shall be levied in addition)*<br>Sinter | | | | | | **165** |
| 14 (c) | Dolomite<br>Dolomite powder/lumps<br>Lime (including Hydrated Lime, Quick Lime, Burnt Lime & Lime Powder)<br>Lime stone<br>Lime stone powder / lumps<br>Manganese ores | | | | | | **145** |
| **15** | **Machinery and Machine tools**<br>*As under:-*<br>Boilers<br>Cranes<br>Engines<br>Machinery parts<br>Sewing machine | P4 | PCC | p | OR | | **100** |

## GENERAL CLASSIFICATION OF GOODS

| Group No | Commodity | Packing Conditions | Chargeable Weight | Payment freight | Risk Rate | Type of commodity | Base Class (Trainload) |
|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| **16** | **Metal Scrap and Pig Iron**<br>*As under:-*<br>Brass scrap<br>Copper scrap<br>Iron scrap<br>Sponge Iron | P2(a) & S1 | PCC | p | RR | | **150** |
| 16 (a) | Ground Granulated Blast Furnace Slag<br>Slag | | | | | | **140** |
| **17** | **Oil Cakes and Seeds**<br>*As under:-*<br>Cotton Seed<br>Cotton Seed oil cakes<br>Cotton Seed waste<br>De-oiled Cakes (Pellets/Powder)<br>De-oiled rice bran<br>Gingerly Seed<br>Linseed<br>Mustard Seed<br>Rape Seed<br>Soyabean<br>Sunflower<br>Sal Seed | P1 | PCC | p | RR | | **120** |
| **18** | **Petroleum Products and *Gases**<br>*As under:-*<br>Aviation spirit<br>Aviation Turbine Fuel (ATF)<br>Carbon Black Feed Stock (CBFS)<br>Compressed gases<br>Crude oil<br>Diesel Oil<br>Furnace oil<br>Hexane<br>High Speed Diesel (HSD)<br>Light Diesel Oil<br>Low sulphur heavy stock<br>Methane gas<br>Naphtha<br>Paraffin oil<br>Petrol (Motor Spirit)<br>Alkylate<br>Reformat<br>Residual Fuel Oil (RFO) | | PCC | p | RR | d | **180** |
| 18 (a) | Bitumen<br>Coal Tar<br>Coal Tar Pitch (Solid)<br>Coal Tar Pitch | P5<br><br>P1 | | | | | **160** |
| 18 (b) | Kerosene Oil<br>Liquefied Petroleum Gas (LPG) | | | | | d | **165** |
| 18 (c)* | *Ammonia liquified gas*<br>*Argon gas*<br>*Nitrogen gas* | | | | | | **200** |



## GENERAL CLASSIFICATION OF GOODS

| Group No | Commodity | Packing Conditions | Chargeable Weight | Payment freight | Risk Rate | Type of commodity | Base Class (Trainload) |
|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| **19** | **Salt**<br>*As under:-*<br>Earth Salt<br>Iodised Salt<br>Non-refined Salt<br>Ordinary non-refined salt for human consumption (Iodised Salt / Salt meant for human consumption)<br>Refined Salt<br>Rock Salt<br>Vacuum Salt | P1 & S3 | PCC | p | OR | | **100** |
| 19 (a) | Salt for Industrial use | P1 | | | | | **120** |
| **20** | **Soap**<br>*As under:-*<br>Liquid soap<br>Synthetic soap | P1 or P2(a) or P4 or P5 | PCC | p | RR | | **120** |
| **21** | **Sugar**<br>*As under:-*<br>Sugar candy | P1 | PCC | p | RR | | **120** |
| **22** | **Miscellaneous** | | PCC | p | RR | | |
| | Betel Nuts | P1 | | | | | **150** |
| | Chalk Calcium Carbonate | P1 | | | | | **140** |
| | Chalk in lumps or powder | P1 | | | | | **140** |
| | Glucose | P4 or P5 | | | | | **150** |
| | Gunnies | P3 | | | | | **120** |
| | Household effects | P3 | | | | | **150** |
| | Molasses | P5 | | | | | **150** |
| | Mono Calcium Phosphate for Animal, Aqua and Poultry feed | P1 | | | | | **130** |
| | Putty | P2(a) | | | | | **150** |
| | Starch | P1 or P4 or P5 | | | | | **120** |
| **LOW RATED TARIFF LINES** | | | | | | | |
| **23** | **DIVISION -'A'** | | | | | | |
| | **Electrical appliances and fittings**<br>*As under:-*<br>Dry Batteries, Dynamos<br>Electric Motors / Pumps / Generators<br>Electric wires<br>Electrical Bulbs<br>Electrical Fans<br>Fuse wire | P4 | PCC | p | RR | | **LR1** |
| | **Empty drums, Jerrycans and Barrels** | P2(b) | | | RR | | **LR1** |
| | **Jagree and Jagree Powder** | P1 | | | RR | | |
| | **Fireworks** | | | | RR | d | |
| | **Jute** | P3 | | | RR | | |
| | **Milk and Milk products** | P4 or P5 | | | OR | | |
| | **Organic Manures** | P2(a) | | | RR | | |
| | **Paints and Polishes**<br>Colours and Dyes | P5 | | | RR | | |

## GENERAL CLASSIFICATION OF GOODS

| Group No | Commodity | Packing Conditions | Chargeable Weight | Payment freight | Risk Rate | Type of commodity | Base Class (Trainload) |
|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| | **Timber** | P2(b) | | | RR | | **LR1** |
| | *As under:-* | | | | | | |
| | Fire Wood | | | | OR | | |
| | Plywood in boards, panels | | | | | | |
| | Sandal wood | | | | | | |
| | Splints for matches | | | | | | |
| | Wood pieces | | | | | | |
| | Timber waste | | | | | | **LR2** |
| | **Vegetable oil pitches** | P5 | | | RR | | **LR1** |
| | **Water** | | | | RR | | **LR1** |
| **24** | **DIVISION -'B'** | | | | | | |
| | **Boiler Components** | P4 | PCC | p | RR | | **LR2** |
| | **Charcoal** | P2(a) | | | OR | | |
| | **Paper** | P3 | | | RR | | |
| | *As under:-* | | | | | | |
| | Card Boards | | | | | | |
| | Paper in reels / rolls | | | | | | |
| | Paper waste | | | | | | |
| | Paper cuttings | | | | | | |
| | Paper sludge | | | | | | |
| **25** | **DIVISION -'C'** | | | | | | |
| | **Bamboos** | P2(b) | PCC | p | RR | | **LR3** |
| | *As under:-* | | | | | | |
| | Bamboo chips | | | | | | |
| | Bamboo Crushed | | | | | | |
| | Bamboo pulp | | | | | | |
| | Sticks | | | | | | |
| | **Brooms** | P2(b) | | | RR | | |
| | **Coffee and Tea** | P4 | | | RR | | |
| | **Coir** | P2(b) | | | RR | | |
| | **Cotton and other Textiles** | P3 | | | RR | | **LR3** |
| | *As under:-* | | | | | | |
| | Bed Sheets | | | | | | |
| | Cotton half / full pressed | | | | | | |
| | Cotton raw | | | | | | |
| | Hand spun yarn cotton | | | | | | |
| | Khaddar | | | | | | |
| | Silk | | | | | | |
| | Synthetic Yarns | | | | | | |
| | Towels | | | | | | |
| | Wool | | | | | | |
| | **Fodder and Husk** | P2(a) | | | RR | | **LR3** |
| | *As under:-* | | | | | | |
| | Bhoosa | | | | | | |
| | Chari | | | | | | |
| | Dry Grass | | | | | | |
| | Cotton Seed Husk | | | | | | |
| | Coconut husk | P1 | | | | | |
| | Gram husk | P1 | | | | | |
| | Kirby | P1 | | | | | |
| | Kirby Kutti (Kuttar) | | | | | | |
| | Paddy Husk | P1 | | | | | |
| | Peas husk | P1 | | | | | |
| | Toor husk | | | | | | |
| | Wheat bran (chokar) | P1 | | | | | |
| | Chuni | P1 | | | | | **LR1** |

## GENERAL CLASSIFICATION OF GOODS

| Group No | Commodity | Packing Conditions | Chargeable Weight | Payment freight | Risk Rate | Type of commodity | Base Class (Trainload) |
|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| | **Fruits and Vegetables** | P2(a) | | | OR | | **LR3** |
| | *As under:-* | | | | | | |
| | Banana | | | | | | |
| | Dates | | | | | | |
| | Garlic | | | | | | |
| | Mango | P4 | | | | | |
| | Orange | P4 | | | | | |
| | Onions | P2(a) | | | | | |
| | Potatoes | P2(a) | | | | | |
| | **Groceries** | P1 | | | RR | | **LR3** |
| | *As under:-* | | | | | | |
| | Alum | | | | | | |
| | Chillies, Dry Chillies | | | | | | |
| | Edible snacks | | | | | | |
| | Extruded foods | | | | | | |
| | Jeera | | | | | | |
| | Pepper | | | | | | |
| | Spices | | | | | | |
| | Maize Flakes | | | | | | |
| | Rice flakes | | | | | | |
| | Rice Parched | | | | | | |
| | Sago common | | | | | | |
| | Turmeric | | | | | | |
| | Soya Protein Textured | | | | | | **120** |
| | **I V and Insecticide fluid** | P5 | | | RR | | **LR3** |
| | **Live stock** | | | | OR | | |
| | ***Motor vehicles** | P6 (a)&(b) | | | OR | | |
| Note | ** The "standardized" CC of NMG & BCCN wagons shall be 58.8 tonnes.* | | | | | | |
| | **Sugarcane & Bagasse** | P2(a) | | | RR | | |

# INDIAN RAILWAY CONFERENCE ASSOCIATION

## FREIGHT RATE TABLES

APPLICABLE ON INDIAN RAILWAYS

With effect from 01.04.2015

**GOODS TARIFF NO.48 (Part II)**

| Distance (kilometres) | FREIGHT RATE PER TONNE (in ₹) | | | | | |
|---|---|---|---|---|---|---|
| | LR3 | LR2 | LR1 | Class-100 | Class-110 | Class-120 |
| 1 - 125 | 99.20 | 113.40 | 134.70 | 141.80 | 156.00 | 170.20 |
| 126 - 150 | 115.20 | 131.80 | 164.30 | 172.90 | 190.20 | 207.50 |
| 151 - 175 | 129.30 | 147.70 | 184.10 | 193.80 | 213.20 | 232.60 |
| 176 - 200 | 144.40 | 165.10 | 205.90 | 216.70 | 238.40 | 260.00 |
| 201 - 225 | 158.60 | 181.30 | 226.00 | 237.90 | 261.70 | 285.50 |
| 226 - 250 | 173.80 | 198.70 | 247.70 | 260.70 | 286.80 | 312.80 |
| 251 - 275 | 189.00 | 215.90 | 269.30 | 283.50 | 311.90 | 340.20 |
| 276 - 300 | 204.10 | 233.10 | 290.70 | 306.00 | 336.60 | 367.20 |
| 301 - 325 | 218.10 | 249.30 | 310.90 | 327.30 | 360.00 | 392.80 |
| 326 - 350 | 232.90 | 266.10 | 331.90 | 349.40 | 384.30 | 419.30 |
| 351 - 375 | 247.60 | 283.00 | 352.90 | 371.50 | 408.70 | 445.80 |
| 376 - 400 | 262.80 | 300.30 | 374.30 | 394.00 | 433.40 | 472.80 |
| 401 - 425 | 277.90 | 317.50 | 395.90 | 416.70 | 458.40 | 500.00 |
| 426 - 450 | 292.80 | 334.60 | 417.20 | 439.20 | 483.10 | 527.00 |
| 451 - 475 | 307.60 | 351.50 | 438.20 | 461.30 | 507.40 | 553.60 |
| 476 - 500 | 323.00 | 369.10 | 460.20 | 484.40 | 532.80 | 581.30 |
| 501 - 550 | 353.30 | 403.90 | 503.60 | 530.10 | 583.10 | 636.10 |
| 551 - 600 | 383.60 | 438.40 | 546.60 | 575.40 | 632.90 | 690.50 |
| 601 - 650 | 413.50 | 472.60 | 589.30 | 620.30 | 682.30 | 744.40 |
| 651 - 700 | 443.40 | 506.70 | 631.80 | 665.00 | 731.50 | 798.00 |
| 701 - 750 | 473.30 | 541.00 | 674.60 | 710.10 | 781.10 | 852.10 |
| 751 - 800 | 502.80 | 574.60 | 716.60 | 754.30 | 829.70 | 905.20 |
| 801 - 850 | 532.40 | 608.40 | 758.70 | 798.60 | 878.50 | 958.30 |
| 851 - 900 | 561.90 | 642.10 | 800.60 | 842.70 | 927.00 | 1011.20 |
| 901 - 950 | 591.10 | 675.60 | 842.40 | 886.70 | 975.40 | 1064.00 |
| 951 - 1000 | 620.50 | 709.20 | 884.20 | 930.70 | 1023.80 | 1116.80 |
| 1001 - 1100 | 679.70 | 776.90 | 968.60 | 1019.60 | 1121.60 | 1223.50 |
| 1101 - 1200 | 739.20 | 844.80 | 1053.30 | 1108.70 | 1219.60 | 1330.40 |
| 1201 - 1300 | 798.30 | 912.30 | 1137.50 | 1197.40 | 1317.10 | 1436.90 |
| 1301 - 1400 | 857.10 | 979.60 | 1221.30 | 1285.60 | 1414.20 | 1542.70 |
| 1401 - 1500 | 915.90 | 1046.70 | 1305.10 | 1373.80 | 1511.20 | 1648.60 |
| 1501 - 1625 | 973.10 | 1111.90 | 1386.40 | 1459.40 | 1605.30 | 1751.30 |
| 1626 - 1750 | 1047.90 | 1197.50 | 1493.10 | 1571.70 | 1728.90 | 1886.00 |
| 1751 - 1875 | 1077.50 | 1231.50 | 1535.40 | 1616.20 | 1777.80 | 1939.40 |
| 1876 - 2000 | 1149.30 | 1313.50 | 1637.70 | 1723.90 | 1896.30 | 2068.70 |
| 2001 - 2125 | 1160.80 | 1326.70 | 1654.20 | 1741.30 | 1915.40 | 2089.60 |
| 2126 - 2250 | 1229.10 | 1404.70 | 1751.50 | 1843.70 | 2028.10 | 2212.40 |
| 2251 - 2375 | 1240.40 | 1417.50 | 1767.40 | 1860.40 | 2046.40 | 2232.50 |
| 2376 - 2500 | 1305.60 | 1492.00 | 1860.40 | 1958.30 | 2154.10 | 2350.00 |
| 2501 - 2625 | 1325.90 | 1515.50 | 1889.60 | 1989.10 | 2188.00 | 2386.90 |
| 2626 - 2750 | 1389.10 | 1587.60 | 1979.60 | 2083.80 | 2292.20 | 2500.60 |
| 2751 - 2875 | 1408.90 | 1610.20 | 2007.60 | 2113.30 | 2324.60 | 2536.00 |
| 2876 - 3000 | 1470.20 | 1680.10 | 2094.90 | 2205.20 | 2425.70 | 2646.20 |
| 3001 - 3125 | 1489.10 | 1701.70 | 2121.90 | 2233.60 | 2457.00 | 2680.30 |
| 3126 - 3250 | 1548.60 | 1769.80 | 2206.90 | 2323.00 | 2555.30 | 2787.60 |
| 3251 - 3375 | 1567.20 | 1791.00 | 2233.30 | 2350.80 | 2585.90 | 2821.00 |
| 3376 - 3500 | 1625.30 | 1857.40 | 2315.90 | 2437.80 | 2681.60 | 2925.40 |

| Distance (kilometres) | | | FREIGHT RATE PER TONNE (in ₹) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Class-130 | Class-140 | Class-145 | Class-150 | Class-160 | Class-165 |
| 1 | - | 125 | 184.30 | 198.50 | 205.60 | 212.70 | 226.90 | 234.00 |
| 126 | - | 150 | 224.80 | 242.10 | 250.70 | 259.40 | 276.60 | 285.30 |
| 151 | - | 175 | 251.90 | 271.30 | 281.00 | 290.70 | 310.10 | 319.80 |
| 176 | - | 200 | 281.70 | 303.40 | 314.20 | 325.10 | 346.70 | 357.60 |
| 201 | - | 225 | 309.30 | 333.10 | 345.00 | 356.90 | 380.60 | 392.50 |
| 226 | - | 250 | 338.90 | 365.00 | 378.00 | 391.10 | 417.10 | 430.20 |
| 251 | - | 275 | 368.60 | 396.90 | 411.10 | 425.30 | 453.60 | 467.80 |
| 276 | - | 300 | 397.80 | 428.40 | 443.70 | 459.00 | 489.60 | 504.90 |
| 301 | - | 325 | 425.50 | 458.20 | 474.60 | 491.00 | 523.70 | 540.00 |
| 326 | - | 350 | 454.20 | 489.20 | 506.60 | 524.10 | 559.00 | 576.50 |
| 351 | - | 375 | 483.00 | 520.10 | 538.70 | 557.30 | 594.40 | 613.00 |
| 376 | - | 400 | 512.20 | 551.60 | 571.30 | 591.00 | 630.40 | 650.10 |
| 401 | - | 425 | 541.70 | 583.40 | 604.20 | 625.10 | 666.70 | 687.60 |
| 426 | - | 450 | 571.00 | 614.90 | 636.80 | 658.80 | 702.70 | 724.70 |
| 451 | - | 475 | 599.70 | 645.80 | 668.90 | 692.00 | 738.10 | 761.10 |
| 476 | - | 500 | 629.70 | 678.20 | 702.40 | 726.60 | 775.00 | 799.30 |
| 501 | - | 550 | 689.10 | 742.10 | 768.60 | 795.20 | 848.20 | 874.70 |
| 551 | - | 600 | 748.00 | 805.60 | 834.30 | 863.10 | 920.60 | 949.40 |
| 601 | - | 650 | 806.40 | 868.40 | 899.40 | 930.50 | 992.50 | 1023.50 |
| 651 | - | 700 | 864.50 | 931.00 | 964.30 | 997.50 | 1064.00 | 1097.30 |
| 701 | - | 750 | 923.10 | 994.10 | 1029.60 | 1065.20 | 1136.20 | 1171.70 |
| 751 | - | 800 | 980.60 | 1056.00 | 1093.70 | 1131.50 | 1206.90 | 1244.60 |
| 801 | - | 850 | 1038.20 | 1118.00 | 1158.00 | 1197.90 | 1277.80 | 1317.70 |
| 851 | - | 900 | 1095.50 | 1179.80 | 1221.90 | 1264.10 | 1348.30 | 1390.50 |
| 901 | - | 950 | 1152.70 | 1241.40 | 1285.70 | 1330.10 | 1418.70 | 1463.10 |
| 951 | - | 1000 | 1209.90 | 1303.00 | 1349.50 | 1396.10 | 1489.10 | 1535.70 |
| 1001 | - | 1100 | 1325.50 | 1427.40 | 1478.40 | 1529.40 | 1631.40 | 1682.30 |
| 1101 | - | 1200 | 1441.30 | 1552.20 | 1607.60 | 1663.10 | 1773.90 | 1829.40 |
| 1201 | - | 1300 | 1556.60 | 1676.40 | 1736.20 | 1796.10 | 1915.80 | 1975.70 |
| 1301 | - | 1400 | 1671.30 | 1799.80 | 1864.10 | 1928.40 | 2057.00 | 2121.20 |
| 1401 | - | 1500 | 1785.90 | 1923.30 | 1992.00 | 2060.70 | 2198.10 | 2266.80 |
| 1501 | - | 1625 | 1897.20 | 2043.20 | 2116.10 | 2189.10 | 2335.00 | 2408.00 |
| 1626 | - | 1750 | 2043.20 | 2200.40 | 2279.00 | 2357.60 | 2514.70 | 2593.30 |
| 1751 | - | 1875 | 2101.10 | 2262.70 | 2343.50 | 2424.30 | 2585.90 | 2666.70 |
| 1876 | - | 2000 | 2241.10 | 2413.50 | 2499.70 | 2585.90 | 2758.20 | 2844.40 |
| 2001 | - | 2125 | 2263.70 | 2437.80 | 2524.90 | 2612.00 | 2786.10 | 2873.10 |
| 2126 | - | 2250 | 2396.80 | 2581.20 | 2673.40 | 2765.60 | 2949.90 | 3042.10 |
| 2251 | - | 2375 | 2418.50 | 2604.60 | 2697.60 | 2790.60 | 2976.60 | 3069.70 |
| 2376 | - | 2500 | 2545.80 | 2741.60 | 2839.50 | 2937.50 | 3133.30 | 3231.20 |
| 2501 | - | 2625 | 2585.80 | 2784.70 | 2884.20 | 2983.70 | 3182.60 | 3282.00 |
| 2626 | - | 2750 | 2708.90 | 2917.30 | 3021.50 | 3125.70 | 3334.10 | 3438.30 |
| 2751 | - | 2875 | 2747.30 | 2958.60 | 3064.30 | 3170.00 | 3381.30 | 3486.90 |
| 2876 | - | 3000 | 2866.80 | 3087.30 | 3197.50 | 3307.80 | 3528.30 | 3638.60 |
| 3001 | - | 3125 | 2903.70 | 3127.00 | 3238.70 | 3350.40 | 3573.80 | 3685.40 |
| 3126 | - | 3250 | 3019.90 | 3252.20 | 3368.40 | 3484.50 | 3716.80 | 3833.00 |
| 3251 | - | 3375 | 3056.00 | 3291.10 | 3408.70 | 3526.20 | 3761.30 | 3878.80 |
| 3376 | - | 3500 | 3169.10 | 3412.90 | 3534.80 | 3656.70 | 3900.50 | 4022.40 |

| Distance (kilometres) | FREIGHT RATE PER TONNE (in ₹) | | | |
|---|---|---|---|---|
| | Class-170 | Class-180 | Class-190 | Class-200 |
| 1 - 125 | 241.10 | 255.20 | 269.40 | 283.60 |
| 126 - 150 | 293.90 | 311.20 | 328.50 | 345.80 |
| 151 - 175 | 329.50 | 348.80 | 368.20 | 387.60 |
| 176 - 200 | 368.40 | 390.10 | 411.70 | 433.40 |
| 201 - 225 | 404.40 | 428.20 | 452.00 | 475.80 |
| 226 - 250 | 443.20 | 469.30 | 495.30 | 521.40 |
| 251 - 275 | 482.00 | 510.30 | 538.70 | 567.00 |
| 276 - 300 | 520.20 | 550.80 | 581.40 | 612.00 |
| 301 - 325 | 556.40 | 589.10 | 621.90 | 654.60 |
| 326 - 350 | 594.00 | 628.90 | 663.90 | 698.80 |
| 351 - 375 | 631.60 | 668.70 | 705.90 | 743.00 |
| 376 - 400 | 669.80 | 709.20 | 748.60 | 788.00 |
| 401 - 425 | 708.40 | 750.10 | 791.70 | 833.40 |
| 426 - 450 | 746.60 | 790.60 | 834.50 | 878.40 |
| 451 - 475 | 784.20 | 830.30 | 876.50 | 922.60 |
| 476 - 500 | 823.50 | 871.90 | 920.40 | 968.80 |
| 501 - 550 | 901.20 | 954.20 | 1007.20 | 1060.20 |
| 551 - 600 | 978.20 | 1035.70 | 1093.30 | 1150.80 |
| 601 - 650 | 1054.50 | 1116.50 | 1178.60 | 1240.60 |
| 651 - 700 | 1130.50 | 1197.00 | 1263.50 | 1330.00 |
| 701 - 750 | 1207.20 | 1278.20 | 1349.20 | 1420.20 |
| 751 - 800 | 1282.30 | 1357.70 | 1433.20 | 1508.60 |
| 801 - 850 | 1357.60 | 1437.50 | 1517.30 | 1597.20 |
| 851 - 900 | 1432.60 | 1516.90 | 1601.10 | 1685.40 |
| 901 - 950 | 1507.40 | 1596.10 | 1684.70 | 1773.40 |
| 951 - 1000 | 1582.20 | 1675.30 | 1768.30 | 1861.40 |
| 1001 - 1100 | 1733.30 | 1835.30 | 1937.20 | 2039.20 |
| 1101 - 1200 | 1884.80 | 1995.70 | 2106.50 | 2217.40 |
| 1201 - 1300 | 2035.60 | 2155.30 | 2275.10 | 2394.80 |
| 1301 - 1400 | 2185.50 | 2314.10 | 2442.60 | 2571.20 |
| 1401 - 1500 | 2335.50 | 2472.80 | 2610.20 | 2747.60 |
| 1501 - 1625 | 2481.00 | 2626.90 | 2772.90 | 2918.80 |
| 1626 - 1750 | 2671.90 | 2829.10 | 2986.20 | 3143.40 |
| 1751 - 1875 | 2747.50 | 2909.20 | 3070.80 | 3232.40 |
| 1876 - 2000 | 2930.60 | 3103.00 | 3275.40 | 3447.80 |
| 2001 - 2125 | 2960.20 | 3134.30 | 3308.50 | 3482.60 |
| 2126 - 2250 | 3134.30 | 3318.70 | 3503.00 | 3687.40 |
| 2251 - 2375 | 3162.70 | 3348.70 | 3534.80 | 3720.80 |
| 2376 - 2500 | 3329.10 | 3524.90 | 3720.80 | 3916.60 |
| 2501 - 2625 | 3381.50 | 3580.40 | 3779.30 | 3978.20 |
| 2626 - 2750 | 3542.50 | 3750.80 | 3959.20 | 4167.60 |
| 2751 - 2875 | 3592.60 | 3803.90 | 4015.30 | 4226.60 |
| 2876 - 3000 | 3748.80 | 3969.40 | 4189.90 | 4410.40 |
| 3001 - 3125 | 3797.10 | 4020.50 | 4243.80 | 4467.20 |
| 3126 - 3250 | 3949.10 | 4181.40 | 4413.70 | 4646.00 |
| 3251 - 3375 | 3996.40 | 4231.40 | 4466.50 | 4701.60 |
| 3376 - 3500 | 4144.30 | 4388.00 | 4631.80 | 4875.60 |

# FREIGHT RATE CIRCULARS - 2017

| Rate Ins. No. | Letter No. | Subject | Issued Date | Ref. | Supersedes | Superseded by | Validity | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | From | To |
| Corrigendum No- 12 to Rates Master Circular/PCC/2015/0 NEW! | TCR/1394/2017/05 | Designed Tre weight, Permissible Carrying Capacity and Loading Tolerance of BRN wagon | 21.12.2017 | RMC/PCC/2015/0 dated 19.10.2015 and corrigenda thereto. | - | - | 25.12.2017 | TFA |
| Corrigendum No- 11 to Rates Master Circular/PCC/2015/0 NEW! | TCR/1394/2017/04 | Permissible Carrying Capacity (PCC), Standard Rake Size and Loading Tolerance of BOXNS Wagons. | 15.12.2017 | RMC/2016 dated 14.07.2016 on Block Rake/Mini Rake/Two point combination and corrigenda thereto. And<br><br>RMC/PCC/2015/0 dated 19.10.2015 and corrigenda thereto. | - | - | 18.12.2017 | TFA |
| Corrigendum No- 11 to Rates Master Circular dated 14.07.2006 /Block Rakes/Mini Rake/Two Point Combination etc | TCR/1394/2017/04 | Permissible Carrying Capacity (PCC), Standard Rake Size and Loading Tolerance of BOXNS Wagons. | 15.12.2017 | RMC/2016 dated 14.07.2016 on Block Rake/Mini Rake/Two point combination and corrigenda thereto. And<br><br>RMC/PCC/2015/0 dated 19.10.2015 and corrigenda thereto. | - | - | 18.12.2017 | TFA |
| Corrigendum No- 10 to RMC/2016 on Block Rakes/ Mini Rakes/ Two Point Combination Etc. | TCR/1017/2017/03 | Policy Guidelines-Transportation Products- Two point combination for steel traffic. | 20.11.2017 | RMC/2016 dated 14.07.2016 on Block Rake/Mini Rake/Two point combination and corrigenda thereto. | Corrigendum No- 09 to RMC/2016 on Block Rakes/ Mini Rakes/ Two Point Combination Etc. | - | 21.11.2017 | TFA |
| Corrigendum No- 09 to RMC/2016/Block Rakes/ Mini Rakes/ Two Point Combination Etc. | TCR/1017/2017/03 | Policy Guidelines-Transportation Products- Two point combination for steel traffic | 20.11.2017 | RMC/2016 dated 14.07.2016 on Block Rake/Mini Rake/Two point combination and corrigenda thereto | - | Corrigendum No- 10 to RMC/2016 on Block Rakes/ Mini Rakes/ Two Point Combination Etc. | 21.11.2017 | TFA |
| Corrigendum-2 to RMC/Demurrage-Wharfage/2016/0 | TC-I/2016/201/1 | Free Time for loading of Rakes of Coal and Iron Ore | 07.11.2017 | | | | 07.11.2017 | 31.03.2018 |
| Corigendum No. 13to RMC/CRT-CCR-Hub & Spoke/2015/0 | TC-1/2014/302/2 | Container Rail Terminal (CRT), Container Class Rate(CCR) and Hub & Spoke System of Charging | 06.11.2017 | - | - | - | 06.11.2017 | TFA |
| Corrigendum No 10 to Rates Master Circular/PCC/2015/0 | TCR/1394/2017/02 | Permissible Carrying Capacity of "BFNS 22.9" Wagons (Maximum Axle Load 22.9 T) | 30.10.2017 | Board's Rates Master Circular/PCC/2015/0 dated 19.10.2015 | - | - | 03.11.2017 | TFA |
| Corrigendum No. 8 to Rates Master Circular/ 2016 dated 14.07.2016 on Block Rakes/Mini Rakes/Two Point Combination etc. | TCR/1017/2016/1 | Standard Rake composition of BTFLN | 24.10.2017 | RMC dated 14.07.2016 on Block Rakes/Two Point Combination etc./2016/0 and its corrigendum 1 to 7 | - | - | 27.10.2017 | TFA |
| Corrigendum to RC-27 of 2016 | TCR/1078/2015/05 Pt | Freight Incentive Scheme for Loading of Bagged Consignmenty in Open and Flat Wagons | 23.10.2017 | RC 27 of 2016 | - | - | 24.10.2016 | 23.10.2017 |
| RC-25 | TCR/1644/2014/03 | Rebate in Freight for traffic transported in privately owned wagons. | 29.09.2017 | RC-26 of 2015 | - | - | 01.10.2017 | 30.09.2019 |
| Corrigendum No.7 to Rates Master Circular/2016 dated 14.07.2016 on Block Rakes/Mini Rake/Two Point Combination etc. | TCR/1017/2017/01 | Policy Guidelines-Transportation Products (Block Rake/Mini Rake/Two Point Combination) | 28.09.2017 | - | - | - | - | - |
| RC-24 | TCR/1078/2016/05 | Adjustment in Base Freight Rates for short lead goods traffic. | 28.09.2017 | RC-20 of 2017 | - | - | 01.10.2017 | 31.03.2018 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| RC-23 Addendum dated 25.08.2017 e-gazette website | TC-I/2015/223/1 | Notified Stations. | 24.08.2017 | RC-04 of 2017 | - | - | 25.08.2017 | 25.02.2018 |
| Corrigendum No. 12 to RMC/CRT-CCR-Hub & Spoke/2015/0 NEW! | TC-I/2014/302/2 | Container Rail Terminal (CRT), Container Class Rate (CCR) and Hub & Spoke System of charging | 25.07.2017 | RMC/CRT-CCR-Hub&Spoke/2015/0 | - | - | 27.07.2017 | 26.07.2018 |
| Corrigendum No. 21 to RC- 08 of 2015 | TCR/1078/2015/07 | Adjustment in Base Freight Rates-Rationlization of Coal & Coke Tariff structure.. | 24.07.2017 | Corrigenda No. 20 to RC- 08 of 2015 | - | - | 26.07.2017 | 30.06.2018 |
| RC.22 of 2017 | TC-I/2014/302/2 | Haulage charges for running of Double Stack Dwarf Container | 14.07.2017 | RC.41 of 2014 | - | - | 14.07.2017 | 31.03.2018 |
| Corrigendum No. 20 to RC- 08 of 2015 | TCR/1078/2015/07 | Adjustment in Base Freight Rates-Rationlization of Coal & Coke Tariff structure.. | 06.07.2017 | Corrigenda No. 14 & 15 to RC- 08 of 2015 | - | - | 10.07.2017 | TFA |
| RC-21 | TCR/1078/2017/24 | Classification of Purified Terephthalic Acid (PTA) in powder form | 05.07.2017 | - | - | - | 10.07.2017 | TFA |
| RC-20 | TCR/1078/2016/05 | Adjustment in Base Freight Rates for Short Lead Goods Traffic. | 30.06.2017 | RC-20 of 2016, RC-24 of 2016 & RC-15 of 2017 | - | - | 01.07.2017 | 30.09.2017 |
| RC-19 | TCR/1078/2017/19 | Levy of Goods and Service Tax (GST) on Transportation of Goods by Rail | 30.06.2017 | Board's letter no TC-II/2910/2017/GST/2 dated 09.06.2017 | - | - | 01.07.2017 | TFA |
| RC-18 | 2016/TC-I/104/2 Pt. | Payment of freight charges through Debit/Credit cards using Point of Sale(PoS) machines | 01.06.2017 | Commercial Circular No.69 of 2016 | - | - | with immediate effect | - |
| RC-17 NEW! | TCR/1015/2015/01 | Rates for Automobile Traffic carried on NMG/BCCNR and BCACM wagons. | 23.05.2017 | Rates Circular No 19 of 2016 dated 07.06.2016. | - | - | 01.06.2017 | 31.05.2018 |
| RC-16 of 2017 | TC-I/2002/2014/5 | All India Engine Hour Cost (AIEHC) for recovery of Siding and Shunting Charges | 16.05.2017 | - | - | - | 01.07.2017 | TFA |
| Addendum to RC-27 of 2016 | TCR/1078/2015/05 Pt. | Freight Incentive Scheme for Loading Bagged Consignment in Open and Flat Wagons. | 26.04.2017 | RC-27 of 2016 | - | - | 01.05.2017 | TFA |
| Addendum to RMC/CRT-CCR-Hub& Scope/2015/0 | TC-I/2016/103/1 | Issue of multiple RRs for a single container train | 20.04.2017 | RMC/CRT-CCR-Hub&Spoke/2015/0 | - | - | - | - |
| Corrigendum No. 9 to RMC/PCC/2015/0 | TCR/1394/2017/02 | Permissible Carrying Capacity of "BFNS 22.9" Wagons (Maximum Axle Load 22.9 T). | 19.04.2017 | Rates Master Circular/PCC/2015/0 | - | - | 19.04.2017 | TFA |
| Corrigendum No. 11 to Rates Master Circular/CRT-CCR-Hub & Spoke/2015/0 | No.2007/TC-I/302/1 Pt.H | Container Rail Terminal (CRT), Container Class Rate(CCR) and Hub & Spoke System of charging | 10.04.2017 | Rates Master Circular/CRT-CCR-Hub & Spoke/2015/0 dt.07.04.2015 and its corrigenda | - | - | 10.04.2017 | 10.04.2018 |
| Corrigendum 10 to Rates Master Circular/CRT-CCR-Hub Spoke/2015/0 | No.2007/TC-I/302/1 Pt.H | Container Class Rate(CCR) and Hub & Spoke System of charging | 10.04.2017 | Rates Master Circular/CRT-CCR-Hub & Spoke/2015/0 and its corrigenda | - | - | 12.04.2017 | 11.04.2018 |

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|---|---|---|---|---|---|---|---|---|
| RC-15 | TCR/1078/2016/05 | Adjustment in Base Freight Rates for Short Lead goods traffic | 31.03.2016 | RC-20 & RC-24 of 2016 | - | - | 01.04.2017 | 30.06.2017 |
| RC-14 | TCR/1078/2016/14 | Long Term Tariff Contract (LTTC) with Key Customers using pre-determined price escalation principle | 30.03.2017 | - | - | - | - | - |
| Corrigendum 9 to RMC/CRT-CCR-Hub Spoke/2015/0 | TC-I/2014/302/2 | Container Rail Terminal (CRT)m Container Class Rate(CCR) and Hub & Spoke System of charging. | 30.03.2017 | RMC/CRT-CCR-Hub & Spoke/2015/0 and it corrigendum 4 dated 15.06.2016 | - | - | - | - |
| Corrigendum No. 2 to RC 23 of 2015 | TCR/1078/2008/11 Pt. | Levy of Congestion Surcharge for traffic booked to Bangladesh | 30.03.2017 | Corrigendum to RC 23 of 2015 dated 10.01.2017 | - | - | 01.04.2017 | 31.03.2018 |
| Corrigendum No. 19 to RC 08 of 2015 | TCR/1078/2015/07 | Adjustment in Freight Rates-Classification of Commodities | 30.03.2017 | Corrigendum No. 13 to RC 08 of 2015 dated 31.05.2016 | - | - | 01.04.2017 | 31.03.2018 |
| Corrigendum No. 2 to RC 29 of 2016 | TCR/1078/2015/05 Pt. I | Liberalized Automatic Freight Rebate Scheme for traffic loaded in Traditional Empty Flow Directions (TEFD) | 30.03.2017 | RC 29 of 2016 and Corrigendum No. 1 thereto | - | - | 01.04.2017 | 31.03.2018 |
| Corrigendum No.6 to Rates Master Circular/provision of Weighbridges/2014/0 NEW! | TC-I/2005/108/3-Pt.III | Guidelines regarding provision,installation and functioning of weighbridges | 29.03.2017 | Corrigendum No.5 dt.30.10.2015 | - | - | 01.04.2017 | 31.03..2018 |
| RC-13 NEW! | TCR/1078/2014/27 | Congestion Surcharge on Goods Traffic Originating from Ports. | 24.03.2017 | RC-13 of 2016 | - | - | 31.03.2017 | 31.03.2018 |
| RC-12 NEW! | TCR/1078/2015/24 | Classification of Iron Ore | 21.03.2016 | RC-16 of 2016 | - | - | 01.04.2017 | 31.03.2018 |
| RC-11 | TCR/2201/2004/1 | Revision of Rates of Miscellaneous charges | 21.03.2017 | - | - | - | 01.04.2017 | 31.03.2018 |
| RC-10 | TCR/1543/2009/01 | Rates of Terminal Charges to be collected by Port Trust Railways from Customers | 17.03.2017 | RC 07 of 2015 & 88 of 2007 | - | - | 01.04.2017 | 31.03.2019 |
| RC-09 | TCR/1055/95/01 | Revision of Charges payable to Tuticorin Port Trust Railway | 08.03.2017 | RC 12 of 2015 | RC 12 of 2015 | | W.e.f. the date of publication in official Gazette | TFA |
| RC-08 | TCR/1055/95/01 | Revision of rates on Port Trust Railway | 08.03.2017 | RC 11 of 2015 | RC 11 of 2015 | | W.e.f. Suitable date after proper notice to Public & other Railways | TFA |
| RC-07 NEW! | TCR/1055/95/01 | Revision of Haulage charges payable to Port Trusts | 08.03.2017 | RC 10 of 2015 | RC 10 of 2015 | | 01.04.2015 | TFA |
| Corrigendum No. 6 to Rates Master Circular/2016 dated 14.07.2016 on Block Rakes/Mini Rake/Two Point Combination etc. | TCR/1017/2017/02 | Policy Guidelines-Transportation Products- Block Rake, Mini Rake, Two Point Combination etc. | 08.03.2017 | Rates Master Circular/2016 dated 14.07.2016 on Block Rakes/Mini Rake/Two Point Combination etc. | - | - | 10.03.2017 | TFA |
| Corrigendum No.08 to RMC/PCC/2015/0 | TCR/1394/2004/02/Vol.IV | Notification of CC+8 Routes | 08.03.2017 | RMC/PCC/2015/0 | - | - | 10.03.2017 | TFA |
| RC-06 | 2007/TC-I/302/1 Pt.B | Operation of container trains by Private Container Operator (PCO) in Railway owned terminals | 07.03.2017 | RC-08 of 2016 | - | - | 01.04.2017 | 31.03.2018 |

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|---|---|---|---|---|---|---|---|---|
| Corrigendum-18 to RC-08 of 2015 | TCR/1078/2015/07 | Adjustment in Base Freight Rates-Classification of Commodities | 07.03.2017 | Rate Circular No.08 | - | - | | |
| RC-04<br>Addendum dated 07.03.2017 | TC-I/2015/223/1 | Notified Stations | 22.02.2017 | Rates Circular No. 22 of 2016 and Addendum thereto | - | - | 25.02.2017 | 24.08.2017 |
| RC-03 | TCR/1099/2016/03 | Inflation in distance for charge between Bibinagar to Nadikude section of Guntur Division of South Central Railway | 13.02.2017 | Board's letter No. TCR/1099/87/6 dt. 17.02.1989 & XXR wireless No. TCR/1099/92/6 dt. 28.07.1992 | - | - | 15.02.2017 | TFA |
| Addendum to RC 06 of 2016 | **TCR/1078/2007/22** | Movement of HSD Oil in BTPN rakes from Numaligarh Refinery Siding (NRSR) to Parbatipur, Bangladesh via Radhikapur- Birol route. | 07.02.2017 | RC 06 of 2016 | - | - | 13.02.2017 | TFA |
| Corrigendum No. 2 to RMC of E-Payment | TC-I/2015/104/5 | Guidelines for Electronic Payment System. | 03.02.2017 | RMC/E-Payment/2014/1 and itw corrigendum & addendum | - | - | - | - |
| Corrigendum No. 4 to RMC Block Rake/Mini Rake/Two Point Combination | TCR/1017/2017/01 | Policy Guidedlines-Transportation Products | 03.02.2017 | - | - | - | - | - |
| RC-02 | TC-I/2015/104/5 | Issue of Railway Receipt (RR) under conventional mode of payment | 03.02.2017 | Board's Letter No. TC-I/2014/103/3 dt. 26.12.2014 | - | - | 15.02.2017 | - |
| Corrigendum to RC-03 of 2016 | TCR/1394/2016/01 | Carrying Capacity of BTAP Wagons | 20.01.2017 | RC-03 of 2016 | - | - | 23.01.2017 | TFA |
| Corrigendum No. 8 to RMC/CRT-CCR-Hub Spoke/2015/0 | 2007/TC-I/302/1 Pt.B | Container Rail Terminal (CRT) | 20.01.2017 | RMC/CRT-CCR-Hub & Spoke/2015/0 & corrigenda thereto | - | - | - | - |
| Corrigendum to RC-23 of 2015 | TCR/1078/2008/11 | Levy of Congestion Surcharge for traffic booked to Bangladesh. | 10.01.2017 | Ref: RC 23 of 2015 & Corrigendum thereto | - | - | 12.01.2017 | 31.03.2017 |
| Corrigendum No. 1 to RC-29 of 2016<br>TCR/1078/2015/05 Pt.1 dated 05.01.2017 | TCR/1078/2015/05 Pt. I | Liberalized Automatic Freight Rebate Scheme for traffic loaded in Traditional Empty Flow Directions (TEFD) | 05.01.2017 | RC-29 of 2016 | - | - | 05.01.2017 | - |
| RC-01 | TC-I/2011/109/11 | Exemption from mandatory (100%) weighment for the commodities loaded in standard bags of uniform size | 04.01.2017 | RMC/Weighment/ 2014/0 | TC-I/2011/109/11/ dated 18.09.2015 | TC-I/2011/109/11 dated 04.01.2017 | 04.01.2017 | TFA |

# FREIGHT RATE CIRCULARS - 2018

| Rate Ins. No. | Letter No. | Subject | Issued Date | Ref. | Supersedes | Superseded by | Validity | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | From | To |
| Corrigendum No. 22 to RC-08 of 2015 | TCR/1078/2015/07 | Adjustment in Base Freight Rates - Classification of commodities | 27.02.2018 | RC-08 of 2015 & corrigendum thereto | - | - | 01.04.2018 | 31.03.2019 |
| Corrigendum No. 14 to RMC/CRT-CCR-Hub & Spoke/2015/0 | TC-I/2014/302/2 | Charging of Kota Stone in containers. | 27.02.2018 | RMC/CRT-CCR-Hub & Spoke/2015/0, its corrigendum No. 9,<br><br>RC-41 of 2014 | - | - | - | - |
| RC-05 | TC-I/2018/302/2 | Operation of container trains by Private Container Operator (PCO) in Railway owned terminals. | 27.02.2018 | - | - | - | 01.04.2018 | 31.03.2019 |
| RC-04 New! | TCR/2201/2004/1 | Revision of Rates of miscellaneous charges. | 27.02.2018 | - | - | - | 01.04.2018 | 31.03.2019 |
| RC-3 New! | TCR/1078/2014/27 | Congestion Surcharge on Goods Traffic Oginating from Ports. | 26.02.2018 | RC-13 of 2017 | - | - | 01.04.2018 | 31.03.2019 |
| Corrigendum No. 14 to RMC/PCC/2015/0 | TCR/1394/2004/2 Vol.IV-Pt.I | Running of freight trains on CC+8 routes | 23.02.2018 | RMC/PCC/2015/0 dated 19.10.2015 and corrigendum thereto. | - | - | 25.02.2018 | TFA |
| RC-2 of 2018<br><br>Addendum dated 26.02.2018 New!<br><br>e-Gazette.nic.in | TC-I/2015/223/1 | Notified Stations | 16.02.2018 | - | - | | 25.02.2018 | 24.08.2018 |
| Corrigendum No.03 to RC-23 of 2015 | TCR/1078/2008/11 Pt. | Levy of Congestion Surcharge for traffic booked to Bangladesh | 13.02.2018 | RC-13 of 2015 and corrigendun thereto. | - | - | 01.04.2018 | 31.03.2019 |
| Crrigendum No 13 to Rates Master Circular/PCC/2015/0 and Corrigendum No 02 to Letter No TC-I/2010/108/4 dated 16.09.2011 | TCR/1394/2017/05 | Designed Tare Weight, Permissible Carrying Capacity and Loading Tolerance of BRN Wagons. | 18.01.2018 | Corrigendum No 12 to RMC/PCC/2015/0 and Corrigendum No 01 to Letter No TC-I/2010/108/4 dated 16.09.2011 | - | - | - | - |
| Corrigendum No. 7 to RMC/Weighbridge/2014/0 | TC-I/2017/109/8 | Guidelines regarding provision, installation and functioning of weighbridges. | 10.01.2018 | RMC/Weighbridge/2014/0 | - | - | 11.01.2018 | TFA |
| Corrigendum No. 2 to RMC/Weighment/2014/0 | TC-I/2017/109/8 | Weighment of wagons/rake, exeption from weightment, | 10.01.2018 | RMC/Weighment/2014/0 | - | - | 11.01.2018 | TFA |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | procedure to deal with overloaded wagon(s) and levy of Detention Charge etc. | | | | | | |
| RC- 01 | TCR/1078/2015/07 | Adjustment in Base Freight Rates- Rationalization of tariff structure for transportation of Coal & Coke by Rail. | 09.01.2018 | Corrigenda Nos. 14, 15, 20 & 21 to RC No. 08 of 2015. | - | - | 15.01.2018 | TFA |

बिहार सरकार

खान एवं भूतत्व विभाग

**अधिसूचना**

पटना, दिनांक- 27/1/12

एस0ओ0सं0- 245 /ए.40, बिहार लघु खनिज समनुदान नियमावली, 1972 के नियम 26(क) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुये राज्य के अन्तर्गत स्थित विभिन्न क्षेत्रों में असैनिक निर्माण कार्य की स्थिति, जनसंख्या स्थिति; औद्योगिक निर्माण कार्य की स्थिति, शहरीकरण की अवस्था एवं औद्योगिक विकास की गति को ध्यान में रखते हुये बिहार के राज्यपाल के पूर्व की अधिसूचना एस0ओ0सं0 27 दिनांक 24.3.2001 का संशोधन करते हैं एवं विभिन्न क्षेत्रों को श्रेणियों में विभाजित करते हुये प्रत्येक स्थायी चिमनी एवं बंगला ईट भट्ठों के लिये ईंटों की संख्या और उस पर ईट भट्ठा मालिकों / ईंट मिट्टी हटाने वालों द्वारा प्रति भट्ठा प्रति वर्ष राज्य सरकार को देय समेकित स्वामित्व की राशि निर्धारित करते हैं जो निम्नलिखित तालिका में दिखाई गई है:-

तालिका

| क्रमांक | क्षेत्र की श्रेणी | जिला का नाम तथा क्षेत्र | क्षमता स्तंभ 3 में दिखाये गये क्षेत्र में स्थित प्रति स्थायी चिमनी अथवा बंगला ईट भट्ठा के निर्मित ईट | स्वामित्व - प्रति भट्ठा प्रति वर्ष देय स्वामित्व की राशि जो स्तंभ 4 में निर्धारित ईट की संख्या पर देय है (रूपये में) |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
| 1 | I | पटना, मुजफ्फरपुर, भागलपुर, गया, दरभंगा जिलों का शहरी क्षेत्र | 45 लाख ईट | 130500/-रू0 |
| 2 | II | अन्य शहरी क्षेत्र | 35 लाख ईट | 101500/-रू0 |
| 3 | III | ग्रामीण क्षेत्र | 25 लाख ईट | 72500/-रू0 |
| 4 | IV | बंगला भट्ठा | 1 (एक लाख) ईट | 4350/-रू0 |

2- यह अधिसूचना निर्गत की तिथि से प्रवृत्त होगी ।

टिप्पणी I- समेकित स्वामिस्व का भुगतान दो किस्तों में किया जायेगा, यथा:-

(i) प्रथम किस्त - कुल देय स्वामिस्व राशि का 50 प्रतिशत भट्ठा आरंभ करने के पूर्व, तथा

(ii) द्वितीय किस्त :- कुल राशि का शेष 50 प्रतिशत 31 मार्च के पूर्व ।

(iii) भट्ठेदारों द्वारा कुल देय स्वामिस्व का भुगतान अगर एक मुस्त कर दिया जाता है तो कुल भुगतेय स्वामिस्व पर 5 प्रतिशत की छूट दी जायेगी ।

टिप्पणी II- "शहरी क्षेत्र" से अभिप्रेत किसी नगर निगम या नगरपालिका या अधिसूचित क्षेत्र समिति की स्थानीय सीमा के भीतर के क्षेत्रों से है और, यथास्थिति, उस नगर निगम या नगरपालिका या अधिसूचित क्षेत्र समिति की सीमा रेखा से चार किलोमीटर की बाहरी दूरी की भीतर पड़ने वाले क्षेत्र भी इसमें शामिल हैं ।

टिप्पणी III- अव्यवसायिक, व्यक्तिगत उपयोग हेतु बंगला भट्ठा में निर्मित ईंट / ईंट मिट्टी पर कोई स्वामिस्व भुगतेय नहीं होगा ।

4/बी0मु020-22/09

बिहार राज्यपाल के आदेश से,

27.1.12

सरकार के संयुक्त सचिव ।

एस0ओ0सं0- 245 /एम0, पटना, दिनांक- 27/1/12 का अंग्रेजी में निम्नलिखित अनुवाद बिहार राज्यपाल के प्राधिकार से इसके द्वारा प्रकाशित किया जाता है जिसे भारतीय संविधान के अनुच्छेद 348 के खण्ड (3) के अधीन अंग्रेजी भाषा में उसका प्राधिकृत पाठ समझा जायेगा ।

4/बी0मु020-22/09

बिहार राज्यपाल के आदेश से,

27.1.12

सरकार के संयुक्त सचिव ।

S.O. No. 245 /M, 27.1.12 In exercise of the powers conferred by rule 26(A) of the Bihar Minor Mineral Concession Rules, 1972 and having regard to position of Civil Construction, work position of Industrial Construction, position of situated population, position of Urbanisation and pace of industrial growth in different areas of the State, the Governor of Bihar is pleased to amend the previous notification S.O. No. 27 dated 24 March 2001 and reclassify such areas to determine the number of bricks per fixed kiln and Bangla Bhatta and consolidated amount of royalty to be paid thereon by brick kiln owner/brick earth remover per kiln per annum to the State Government for different areas as shown in the table below:-

# अधिसूचना

पटना, दिनांक 27/1/12

एस0 ओ0 सं0 250 एम0,खान एवं खनिज (विकास एवं विनियमन) अधिनियम,1957 (अधिनियम सं0 67,1957) की धारा–15 के द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए बिहार राज्यपाल बिहार लघु खनिज समनुदान नियमावली,1972 के नियम 26 (1) (क) और (ख) की क्रमशः अनुसूची I एवं II में निम्नलिखित संशोधन करते है जो तुरत प्रवृत्त होगा :–

## संशोधन

उक्त नियमावली में.

1. विद्यमान अनुसूची I, निम्नलिखित द्वारा प्रतिस्थापित की जायेगी, यथा:–

अनुसूची I

[नियम 26 (1) (क) द्रष्टव्य ]

अनिवार्य लगान

| अवधि | अनिवार्य लगान की दर (रूपये में) |
|---|---|
| 1 | 2 |
| पट्टा की सम्पूर्ण अवधि के लिएप्रति वर्ष की दर | 30,000 रू0 प्रति एकड़ प्रति वर्ष |

2. विद्यमान अनुसूची II निम्नलिखित द्वारा प्रतिस्थापित की जायेगी :–

अनुसूची II

[नियम 26 (1) (ख) द्रष्टव्य ]

स्वामित्व (रॉयल्टी)

| क्रम संख्या | खनिज का नाम | प्रति घन मीटर दर (रूपये में) |
|---|---|---|
| 1 | 2 | 3 |
| 1 | (क) किसी भी नाम से यथा परिभाषित बोल्डर,ग्रेवेल शिंगिल अथवा पत्थर<br>(ख) नीलामी द्वारा बंदोबस्त पत्थर | 100=00<br><br>नीलामी की दशा में नीलामी की राशि |
| 2 | (क) निर्माण प्रयोजनों में व्यवहृत साधारण बालू<br>(ख) नीलाम घाटों का साधारण बालू | 50=00<br>नीलामी की दशा में नीलामी की राशि |
| 3 | ईंट बनाने की मिट्टी (400 मानक ईंट के समतुल्य) | 11=60(एस0 ओ0 सं0 244,दिनांक 27-01-12 द्वारा प्रख्यापित) |
| 4 | साधारण मिट्टी-मिट्टी जिसका उपयोग रानीगंज खपड़ा,वाणिज्यिक कार्यों, यथा बांध, सड़क,भवन आदि के निर्माण या उसे समतल करने अथवा अन्य वाणिज्यिक कार्यों के लिए किया जाता हो। | 22=00 |

| | | |
|---|---|---|
| 5 | निर्माण सामग्री के रूप में व्यवहृत चूने के विनिर्माण के लिए भट्ठे में काम आनेवाला लाईम शेल,चूना पत्थर और कंकड़ तथा बटन के विनिर्माण में व्यवहृत लाईम शेल। | 110=00 |
| 6 | मोरम | 55=00 |
| 7 | केवल गोला मिल (बॉल मिल) के प्रयोजनार्थ व्यवहृत केल्सेडोनी गुटिका (पेबल)। | 73=00 |
| 8 | कंकड़युक्त पहाड़ी मिट्टी (ग्रैंडुलर अर्थ) | 55=00 |
| 9 | भवन निर्माण के प्रयोजनार्थ या सड़क बनाने के काम में आनेवाला क्वार्टजाईट | 73=00 |
| 10 | रेह मिट्टी | 26=00 |
| 11 | शोरा (साल्ट पीटर) | 29=00 |
| 12 | स्लेट और शेल जब उनका उपयोग भवन निर्माण सामग्री के रूप में किया जाय | 73=00 |
| 13 | मुल्तानी मिट्टी (फुलर्स अर्थ) | 95=00 |
| 14 | चक्की (ग्राइनडिग) पत्थर सहित घरेलू बर्तन बनाने के काम में आनेवाला पत्थर | 36=00 |
| 15 | प्रति सैकड़ा स्टोन सेट्स तथा पत्थर ईट (स्टोन ब्रिक्स) | 73=00 |
| 16 | पत्थर चूर्ण (स्टोन डस्ट) | विक्रय मूल्य की 10 प्रतिशत राशि |
| 17 | ग्रेनाईट (सजावट पत्थर के रूप में उपयोग होने पर) प्रति सैकड़ा<br>(i) 60 से0 मी0 से अधिक के ब्लॉक के लिये ।<br>(ii) 60 से0 मी0 से कम के ब्लॉक के लिये । | <br><br>545=00<br>273=00 |
| 18 | अन्य सभी खनिज | बिक्रय मूल्य का 25 प्रतिशत राशि |

टिप्पणी I बिहार लघु खनिज समानुदान नियमावली,1972 या अन्यथा में किसी विरूद्ध बात के अन्तर्विष्ट होते हुए भी, नीलामी की राशि के समतुल्य से अधिक पत्थर का उत्खनन एवं प्रेषित किये जाने पर, बंदोबस्तधारी अधिक उत्खनित पत्थर की मात्रा के लिए अतिरिक्त स्वामित्व (रॉयलटी) का भुगतान करेगा।

टिप्पणी II नीलामी की राशि के समतुल्य बालू की मात्रा से अधिक बालू के निकाले जाने और प्रेषित किये जाने पर, बंदोबस्तधारी अधिक निकाले गए बालू की मात्रा के लिए अतिरिक्त स्वामित्व (रॉयलटी) का भुगतान करेगा।

12/वी0/मु0 70–2/03
बिहार राज्यपाल के आदेश से
27.10.72
सरकार के उप सचिव।

एस0ओ0 ..... 250 ..... एम0,का अंग्रेजी में निम्नलिखित अनुवाद बिहार राज्यपाल के प्राधिकार से इसके द्वारा प्रकाशित किया जाता है जिसे भारतीय संविधान के अनुच्छेद 348 के खण्ड (3) के अधीन अंग्रजी में उसका प्राधिकृत पाठ समझा जायेगा।

12/वी0/मु0 70–2/03
बिहार राज्यपाल के आदेश से
27.1.12
सरकार के उप सचिव।

S.O No. 250 /M, In exercise of the power conferred by Section 15 of the Mines & Mineral (Development and Regulation) Act. 1957 (Act no.67 of 1957), The Governor of Bihar is pleased to make the following amendment in schedule I & II of Rule 26(1) (a) & (b) respectively of Bihar Minor Mineral concession Rule,1972 which shall come into force with immediate effect:-

AMENDMENTS

In the said Rules:-

1. Existing schedule I shall be substituted by the following, namely:-

Schedule I

(see Rule 26(1) (a))

Dead Rent

| Period | Rate of dead rent (In Rs.) |
|---|---|
| 1 | 2 |
| Rate per year for entire period of lease | 30,000 per acre per year |

2. Exiting Schedule II shall be substituted by the following, namely:-

**Schedule II**

(see Rule 26(1) (b))

**Royalty**

| Sr.No. | Name of minerals | Rate per Cubic meter in Rupess. |
|---|---|---|
| 1 | 2 | 3 |
| 1 | (a) Boulder, Gravel, shingle or stone as defined by name whichever<br>(b) Stone settled by way of auction | 100–00<br>In case of auction the amount of auction |
| 2 | (a) Ordinary sand used for construction purpose<br>(b) Ordinary sand of auctioned ghats | 50=00<br>In case of auction the amount of auction |
| 3 | Brick earth (equivalent to 400 standard bricks) | 11=60 (S.O. No. 244, Dated 27-01-12) |
| 4 | Ordinary clay- clay which is used for manufacturing of Rani ganj tiles, commercial works which is used for construction of embankment, Road. Building or levelling the same of used for other commercial orks. | 22=00 |
| 5 | Lime shell, Lime stone and kankar used in Kilns for manufacturing of lime used as construction material and Lime shall used for manufacture of bottons. | 110=00 |

| | | |
|---|---|---|
| 6 | Murram | 55=00 |
| 7 | Chalcedony Pebbles used for Boll Mill purpose only | 73=00 |
| 8 | Granduler earth | 55=00 |
| 9 | Quartzite used for the purpose of Building Construction or for making road. | 73=00 |
| 10 | Reh Mitti | 26=00 |
| 11 | Saltpetre | 29=00 |
| 12 | Slate and shell when used for making Building material | 73=00 |
| 13 | Fullers earth | 95=00 |
| 14 | Stone used for making houschold utensils including grinding stone | 36=00 |
| 15 | Stone sets and Stone Bricks Per hundred | 73=00 |
| 16 | Stone dust | 10 Percent Amount of sale price . |
| 17 | Granite (In case of use for decorating stone) per hundred<br>(i) Block more than 60 c.m<br>(ii) Block less than 60 c.m | <br><br>545=00<br>273=00 |
| 18 | All other minerals | 25 Percent of sale price |

**Note** :- (I) Notwithstanding any thing contained repugnant in Bihar Minor Mineral Concession Rules,1972 or otherwise, the settlee shall pay the extra Royalty for the excess quantity of extracted and dispatched stone more than the equivalent auction amount .

**Note** :- (II) The settlee shall pay the extra Royalty for the excess quantity of extracted and dispatched sand more than the equivalent auction amount.

12/B/MU 70-2/03

By the order of Governor of Bihar

27-1-2012

Deputy Secretary to Government

ज्ञापांक 12/वी0/मु0 70–2/03 200 /एम0,दिनांक 27/1/12

प्रतिलिपि अवर सचिव,वित्त विभाग,बिहार,पटना को सी0डी0 के साथ प्रेषित करते हुये उनसे अनुरोध है कि अधिसूचना की 500 प्रतियॉ बिहार राजपत्र (गजट) में प्रकाशित कराने हेतु राजकीय मुद्रणालय,गुलजार बाग, पटना को भेजी जाय तथा उसकी प्रतियॉ विभाग को उपलब्ध करायी जाय।

27-1-2012

सरकार के उप सचिव।

ज्ञापांक 200 /एम0,दिनांक 27/1/12

प्रतिलिपि: सभी प्रमण्डीय आयुक्त/सभी जिला पदाधिकारी/अपर निदेशक/सभी उप निदेशक/सभी सहायक निदेशक,खान एवं भूतत्व विभाग/सभी खनिज विकास पदाधिकारी,खान एवं भूतत्व विभाग/सभी खान निरीक्षक,खान एवं भूतत्व विभाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

27-1-2012

सरकार के उप सचिव।

ज्ञापांक 350 /एम0,दिनांक 27/1/12

प्रतिलिपिः सचिव सह–विधि परामर्शी,विधि विभाग,बिहार/प्रधान सचिव,वित्त विभाग,बिहार/प्रधान सचिव, मंत्रिमंडल सचिवालय एवं समन्वय विभाग, बिहार, पटना को सूचनार्थ एवं प्रेषित।

27.1.2012

सरकार के उप सचिव।

# बिहार सरकार

## राज्य स्तरीय अनुसूचित दर निर्धारण समिति

पथ निर्माण विभाग, बिहार, पटना।

पत्रांक – मु0 नि0 (पथ) - 38(अनु0) पटना/दिनांक - 13/05/10

प्रेषक,

**रामध्यान राम,**
संयोजक,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
–सह–अभियंता प्रमुख–सह–अपर आयुक्त–सह–
विशेष सचिव, पथ निर्माण विभाग, बिहार, पटना।

सेवा में,

सभी मुख्य अभियंता(राष्ट्रीय उच्च पथ सहित), पथ निर्माण विभाग, बिहार, पटना।
सभी अधीक्षण अभियंता(राष्ट्रीय उच्च पथ सहित), पथ निर्माण विभाग, बिहार, पटना।
प्रबंध निदेशक, बिहार राज्य पुल निर्माण निगम, बिहार, पटना।
प्रबंध निदेशक, बिहार राज्य पथ विकास निगम, बिहार, पटना।
सभी कार्यपालक अभियंता(राष्ट्रीय उच्च पथ सहित), पथ निर्माण विभाग, बिहार, पटना।

विषयः– बिहार भवन एवं अन्य सन्निमार्ण कर्मकार कल्याण बोर्ड में प्रत्येक योजनाओं के लागत का 1 % (एक प्रतिशत) "सेस" के रूप में जमा करने के संबंध में ।

प्रसंगः– पथ निर्माण विभाग, बिहार का पत्रांक 746(E) We पटना, दिनांक – 25.02.2010 ।

महाशय,

वित्त विभाग, बिहार सरकार द्वारा लिये गये निर्णय के आलोक में विभिन्न निर्माण कार्यों के विपत्रों से 1% (एक प्रतिशत) की राशि की कटौती श्रमिक कल्याण कोष हेतु सेस के रूप में की जानी है ।

उक्त आलोक में कराये जानेवाले योजनाओं के प्राक्कलन के सृजन हेतु प्रयुक्त प्रत्येक मद के दर में वर्णित सेस हेतु 1 % (एक प्रतिशत) की राशि का अतिरिक्त प्रावधान श्रमिक कल्याण कोष के लिये करते हुए दर विश्लेषण करना सुनिश्चित करें ।

अनु0:– 1. प्रसंगाधीन पत्र की छाया प्रति ।
2. श्रम संसाधन विभाग का पत्रांक 4984 पटना दिनांक–01.10.08 ।

विश्वासभाजन

13.5.10

**(रामध्यान राम)**
संयोजक,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति
–सह–अभियंता प्रमुख–सह–अपर आयुक्त–सह–
विशेष सचिव, पथ निर्माण विभाग, बिहार, पटना

## अभियंता प्रमुख–सह–अपर आयुक्त–सह–विशेष सचिव का कार्यालय,
## पथ निर्माण विभाग बिहार, पटना

प्रत्रांकः– प्र.6 / नियम–10 / 2008 746(E)W पटना, दिनांक 25/2/2010

प्रेषक,

अभियंता प्रमुख–सह–अपर आयुक्त–सह–विशेष सचिव
पथ निर्माण विभाग,बिहार, पटना।

सेवा में,

सभी मुख्य अभियंता, पथ निर्माण विभाग।
सभी अधीक्षण अभियंता, पथ निर्माण विभाग।
सभी कार्यपालक अभियंता, पथ निर्माण विभाग।
अधीक्षण अभियंता,
मुख्यालय निरूपण अंचल।

विषयः **बिहार भवन एवं अन्य सन्निर्माण कर्मकार कल्याण बोर्ड में प्रत्येक योजनाओं की लागत का एक प्रतिशत "सेस" के रूप में जमा करने के संबंध में।**

महाशय,

उपर्युक्त विषयक संयुक्त श्रमायुक्त–सह–सचिव, बिहार भवन एवं अन्य सन्निर्माण कर्मकार कल्याण बोर्ड, पटना के पत्र संख्या–बी0सी0डब्लू0सी0–14 / 2008–श्र.स.–4984 दिनांक 01.10.08 (सानुलग्नक प्रति संलग्न) से प्राप्त प्रस्ताव की समीक्षा विभागीय उच्चस्तरीय तकनीकी समिति द्वारा की गयी और समिति की अनुशंसा के आलोक में सरकार के निर्णयानुसार कहना है कि:–

1) भवन तथा अन्य सन्निर्माण कर्मकार(नियोजन तथा सेवाशर्त्त विनियमन) अधिनियम, 1996 के निर्देशों के अनुपालनार्थ निर्माण कार्यों के संवेदक के विपत्रों से देय 1% (एक प्रतिशत) सेस के निमित निर्माण कार्य के प्राक्कलन में कार्य मूल्य का 1% (एक प्रतिशत) की दर से "सेस" की राशि जोडकर प्राक्कलन का प्राविधिक स्वीकृति अथवा प्रशासनिक स्वीकृति प्रदान की जाय तथा 1% सेस का भुगतान कल्याण बोर्ड को करना भी सुनिश्चित किया जाय।।

2) प्रस्ताव में महाधिवक्ता, बिहार तथा वित्त विभाग का परामर्श प्राप्त है।

अनु0–यथोक्त।

विश्वासभाजन

(रामध्यान राम)
अभियंता प्रमुख–सह–अपर आयुक्त –सह–विशेष सचिव
पथ निर्माण विभाग,बिहार,पटना।

कृ0पृ0उ0

24/2/10

ज्ञापांक: प्र.6 / नियम–10 / 2008 पटना, दिनांक

प्रतिलिपि महालेखाकार बिहार, बीरचंद पटेल पथ, पटना को सूचना एवं आवश्यक कार्रवाई हेतु प्रेषित।

24.2.10

अभियंता प्रमुख–सह–अपर आयुक्त –सह–विशेष सचिव
पथ निर्माण विभाग,बिहार,पटना।

ज्ञापांक: प्र.6 / नियम–10 / 2008 पटना, दिनांक

प्रतिलिपि सभी प्रधान सचिव / सचिव, सभी विभाग / सभी प्रमंडलीय आयुक्त / सभी जिलाधिकारी / अभियंता प्रमुख, सभी कार्य विभाग / अध्यक्ष, बिहार राज्य पुल निर्माण निगम, बिहार, पटना / अध्यक्ष, बिहार राज्य पथ विकास निगम, बिहार, पटना को सूचना एवं आवश्यक कार्रवाई हेतु प्रेषित।

24.2.10

अभियंता प्रमुख–सह–अपर आयुक्त –सह–विशेष सचिव
पथ निर्माण विभाग,बिहार,पटना।

ज्ञापांक: प्र.6 / नियम–10 / 2008 पटना, दिनांक

प्रतिलिपि संयुक्त श्रमायुक्त–सह–सचिव, बिहार भवन एवं अन्य सन्निर्माण कर्मकार कल्याण बोर्ड, श्रम संसाधन विभाग, बिहार, पटना को सूचनार्थ समर्पित।

24.2.10

अभियंता प्रमुख–सह–अपर आयुक्त –सह–विशेष सचिव
पथ निर्माण विभाग,बिहार,पटना।

24/2/10

संचिका सं0–बी0सी0डब्लू0सी0–14 / 2008, श्र0सं0– 4984

**बिहार सरकार**

**श्रम संसाधन विभाग**

प्रेषक,

राजेन्द्र प्रसाद मण्डल,
संयुक्त श्रमायुक्त–सह–सचिव,
बिहार भवन एवं अन्य सन्निमार्ण कर्मकार कल्याण बोर्ड,पटना ।

सेवा में,

अभियंता प्रमुख–सह–सचिव,
पथ निर्माण विभाग,बिहार,पटना।

पटना, दिनांक– 01-10-08

विषयः– अर्द्ध सरकारी पत्र संख्या– बी0सी0डब्लू0सी0 01 / 2008–922 ,दिनांक–21.02.08 की प्रति उपलब्ध कराने के संबंध में।

महाशय,

उपर्युक्त विषयांतर्गत आपके पत्र के आलोक में प्रधान सचिव, श्रम संसाधन विभाग के अर्द्धसरकारी पत्र सं0–बी0सी0डब्लू0सी0–01 / 2008–922,दिनांक–21.02.08 की प्रति एवं भारत सरकार के राजपत्र में प्रकाशित सेस संग्रह संबंधी अधिसूचना की प्रति संलग्न कर आपके आवश्यक कार्यार्थ भेजी जा रही है।

अनुलग्नकः यथोक्त।

विश्वासभाजन,

1.10.08

( राजेन्द्र प्रसाद मण्डल )
संयुक्त श्रमायुक्त–सह–सचिव,
बिहार भवन एवं अन्य सन्निमार्ण
कर्मकार कल्याण बोर्ड,पटना।

Vyas Ji, IAS
Principal Secretary

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e-mail : vyas56@hotmail.com
secslab-bih@nic.in

बिहार सरकार
श्रम संसाधन विभाग
विकास भवन, पटना 800015, बिहार

Government of Bihar
Department of Labour Resources
Vikas Bhawan, Patna - 800015, Bihar

अर्द्ध सरकारी पत्र सं0 -बी0 सी0 श्रम-सं0-01/2015 श्रम-232 पटना दिनांक 21/2/15

प्रिय महाशय,

निर्माण श्रमिकों के संबंध में वर्ष,1996 से निम्नलिखित दो केन्द्रीय अधिनियम प्रभावशील हैं :–

(i) भवन तथा अन्य सन्निर्माण कर्मकार (नियोजन तथा सेवा शर्त्त विनियमन) अधिनियम,1996 तथा

(ii) भवन तथा अन्य सन्निर्माण कर्मकार कल्याण उपकार अधिनियम, 1996.

2. उक्त द्वितीय अधिनियम के तहत नियम भी केन्द्र सरकार द्वारा ही बनाया गया है, जबकि प्रथम अधिनियम के अन्तर्गत नियम बिहार सरकार द्वारा 7.9.2005 के असाधारण अंक राजपत्र में प्रकाशित किये भवन एवं अन्य सन्निर्माण कर्मकार कल्याण बोर्ड का गठन भी राज्य सरकार द्वारा दिनांक 18.2.15 की प्रकाशित अधिसूचना द्वारा कर दिया है ।

3. उक्त द्वितीय अधिनियम के धारा 3 के तहत् निर्माण कार्यो की लागत का एक प्रतिशत की दर से उपकर लिए जाने का प्रावधान किया गया है, जो उपरोक्त कल्याण बोर्ड को भेजा जाएगा । बोर्ड द्वारा इसका उपयोग निमार्ण श्रमिकों के कल्याण की विभिन्न गतिविधियों के संचालन में किया जाएगा । ( केन्द्र सरकार की अधिसूचना संलग्न )

4. निर्माण कार्य कराने वाले शासकीय विभागों, सार्वजनिक उपक्रमों,स्थानीय निकायों,संविधिक प्राधिकारियों के जानकारी के लिये यह स्पष्ट करना है कि बिहार भवन एवं अन्य सन्निर्माण कर्मकार ( नियोजन तथा सेवा शर्त्ते विनियमन ) नियमावली,2005 तथा कल्याण बोर्ड के गठन के साथ प्रदेश उक्त दोनों अधिनियमों के कार्यान्वयन किया जाना है। तदनुसार निवेदन है कि आप के विभाग तथा उसके अधीन आनेवाले सार्वजनिक उपक्रमों तथा संविधिक प्राधिकारियों ( मुख्य ठेकेदार तथा ठेकेदार, यदि कोई हो ) के तहत संचालित होने वाले निर्माण कार्यो में कृपया उक्त अधिनियमों / नियमों का पालन सूनिश्चित करने का कष्ट करें । इस सबंध में निम्नलिखित विन्दु ध्यान देने योग्य है :–

(i) विभाग / सार्वजनिक उपक्रम / संविधिक प्राधिकारिय के कार्यो में निर्माण श्रमिकों को नियोजित करने वाले सभी ठेकेदार अपनी–अपनी स्थापनाओं को उक्त प्रथम अधिनियम की धारा –7 के तहत अविलम्ब पंजीकृत करा लें, और भविष्य में आरम्भ होने वाले सभी निर्माण कार्यो के मामले में भी इसी प्रकार का पंजीयन कराते रहें । इस प्रयोजन के लिए प्रदेश के सभी श्रम अधीक्षकों को पंजीयन पदाधिकारी नियुक्त किया गया है । बिहार भवन और अन्य सन्निर्माण कर्मकार ( नियोजन तथा सेवा शर्ते विनियमन ) नियमावली, 2005 के निमय 27के अनुसार निबंधन हेतु विहित शुल्क देय होगी ।

(ii) प्रत्येक नवीन निर्माण कार्य आरंभ होने के न्यूनतम 30 दिन पूर्व नियोजक उक्त प्रथम अधिनियम की धारा 46 के तहत् तदविषयक लिखित नोटिस संबंधित "निरीक्षक" को देय,और आरम्भ होने से अधिकतम 30 दिना में " उपकर निर्धारण अधिकारी " को भी विहित प्रपत्र में सूचना दें ।

(iii) उक्त अधिनियम के अध्याय 6 एवं 7 तथा उसके तहत् बने राज्य नियमावली के भाग 3 तथा 4 में निर्माण श्रमिकों की कार्य दशाओं और स्वास्थ्य तथा सुरक्षा के बारे में विस्तृत प्रावधानों का समुचित पालन हो ।

(iv) आपके विभाग, अधीनस्थ सार्वाजनिक उपकर्मो तथा सांविधिक प्राधिकारियों द्वारा निर्माण कार्यो के लिये भविष्य में जो निविदा प्रपत्र तथा अनुबंध के प्रारूप का उपयोग किया जाय । उनमें कंडिका 1 में उल्लेखित अधिनियमों के पालन की शर्त्तो का विशिष्ठ उल्लेख कर दिया जाना उपयुक्त होगा ।

(v) महत्वपूर्ण

ऊपर कंडिका 1 में उल्लेखित द्वितीय अधिनियम ( भवन तथा अन्य सन्निर्माण कर्मकार कल्याण उपकर अधिनियम,1996 ) के तहत् निर्माण कार्यो पर देय उपकर की दर, भारत सरकार की अधिसूचना दिनांक 26.9.1996 द्वारा, निर्माण लागत का एक प्रतिशत निर्धारित किया गया है । इस अधिनियम के तहत् बने केन्द्रीय नियमों के नियम 4 (3) के अनुसार शासकिय विभागों और सार्वजनिक उपक्रमों के निर्माण कार्यो पर लगने वाला उपकर ऐसे विभागों / उपक्रमों द्वारा नियत दर से कार्य के लिये भुगतान किये गये बिलों से कटा जाना और इस प्रकार काटे जाने के 30 दिन की अवधि में कल्याण बोर्ड को क्रोस्ड डीमान्ड ड्राफ्ट द्वारा भेजा जाना अपेक्षित है ।

तदनुसार कृपया अपने विभाग और अधीनस्थ उपक्रमों के सभी संबंधित अधिकारियों को अविलम्ब निर्देश दे कि उनके अधीन चल रहें निर्माण कार्यो के लिये उपकर की राशि नियमित रूप से वसूल कर उसे निम्नलिखित पते पर भेजे।

संयुक्त श्रमायुक्त सह सचिव,
बिहार भवन एवं अन्य सन्निर्माण कर्मकार कल्याण बोर्ड,
विकास भवन, नया सचिवालय, बेली रोड, पटना ।

5. मैं, अभारी हाऊगा यदि पत्र के प्रसंग में की गई कार्रवाई से आप मुझे अवगत करा दें और इसे विषय पर अधीनस्थ अधिकारियों, सार्वजनिक उपक्रमों तथा संविधिक प्रधिकारियों को जारी निर्देशों की एक–एक प्रति मुझे तथा श्रमायुक्त सह अध्यक्ष, बिहार भवन एवं अन्य सन्निर्माण कर्मकार कल्याण बोर्ड, विकास भवन पटना को भेज देने की कृपा करें। इस पत्र के साथ निम्न सूचनाएँ संलग्नकी जाती है ।

1. संलग्न अधिसूचना ।
2. कल्याण बोर्ड के संबंध में संक्षिप्त टिप्पणी
3. सेस संग्रह से संबंधित केन्द्र सरकार की अधिसूचना ।

भवदीय

( )

EXTRACT FROM THE GAZETTE OF INDIA : PART II, SEC. 3, SUB-SEC. (ii)

Appeared on page No. 3[illegible]
Dated : 22-10-96

श्रम मंत्रालय

MINISTRY OF LABOUR

अधिसूचना

नई दिल्ली, 26 सितम्बर, 1996

का. आ. 2899.—केन्द्रीय सरकार, भवन और अन्य संनिर्माण कर्मकार उपकर अधिनियम, 1996 (1996 का 28) की धारा 3 की उपधारा (1) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए और भारत सरकार के श्रम मंत्रालय की अधिसूचना सं. का. आ. 1767, तारीख 17 मई, 1996 को अधिक्रमण करते हुए केन्द्र सरकार संनिर्माण कर्मकार (विनियमन तथा सेवा की शर्तें विनियमन) अधिनियम, 1996 (1996 का 27) के प्रयोजनों के लिए किसी नियोक्ता द्वारा वहन की जाने वाली संनिर्माण लागत से 1 प्रतिशत की दर पर उपकर विनिर्दिष्ट करती है।

[सं. ई. एल-जी-101(1)/95-आरडब्ल्यू (भाग I)]
डी. के. त्रेहन, श्रम एवं नियोजन सलाहकार

NOTIFICATION

New Delhi, the 26th September, 1996

S.O. 2899.—In exercise of powers conferred by sub-section (1) of section 3 of the Building and Other Construction Workers' Welfare Cess Act, 1996 (28 of 1996) and in supersession of the notification of the Government of India in the Ministry of Labour No. S.O. 1767 dated the 17th May, 1996, the Central Government specifies a cess for the purposes of the Building and Other Construction Workers (Regulation of Employment and Other Conditions of Service) Act, 1996 (27 of 1996), at the rate of 1 per cent. of the cost of construction incurred by an employer.

[F. No. S-01011/9/95-RW (Part-I)]
D. K. TREHAN, Labour & Employment Adviser

***The 29th June 2017***

**Notification No. 1/2017-State Tax (Rate)**

S.O 65 dated 29th June 2017—In exercise of the powers conferred by sub-section (1) of section 9 of the Bihar Goods and Services Tax Act, 2017 (Bihar Act 12 of 2017), the Governor of Bihar, on the recommendations of the Council, hereby notifies the rate of the State tax of-

(i) 2.5 per cent. in respect of goods specified in Schedule I,

(ii) 6 per cent. in respect of goods specified in Schedule II,

(iii) 9 per cent. in respect of goods specified in Schedule III,

(iv) 14 per cent. in respect of goods specified in Schedule IV,

(v) 1.5 per cent. in respect of goods specified in Schedule V, and

(vi) 0.125 per cent. in respect of goods specified in Schedule VI

appended to this notification (hereinafter referred to as the said Schedules), that shall be levied on intra-State supplies of goods, the description of which is specified in the corresponding entry in column (3) of the said Schedules, falling under the tariff item, sub-heading, heading or Chapter, as the case may be, as specified in the corresponding entry in column (2) of the said Schedules.

**Schedule I – 2.5%**

| S. No. | Chapter / Heading / Sub-heading / Tariff item | Description of Goods |
|---|---|---|
| (1) | (2) | (3) |
| 1. | 0303 | Fish, frozen, excluding fish fillets and other fish meat of heading 0304 |
| 2. | 0304 | Fish fillets and other fish meat (whether or not minced), frozen |
| 3. | 0305 | Fish, dried, salted or in brine; smoked fish, whether or not cooked before or during the smoking process; flours, meals and pellets of fish, fit for human consumption |
| 4. | 0306 | Crustaceans, whether in shell or not, frozen, dried, salted or in brine; crustaceans, in shell, cooked by steaming or by boiling in water, frozen, dried, salted or in brine; flours, meals and pellets of crustaceans, fit for human consumption |
| 5. | 0307 | Molluscs, whether in shell or not, frozen, dried, salted or in brine; aquatic invertebrates other than crustaceans and molluscs, frozen, dried, salted or in brine; flours, meals and pellets of aquatic invertebra other than crustaceans, fit for human consumption |
| 6. | 0308 | Aquatic invertebrates other than crustaceans and molluscs, frozen, dried, salted or in brine; smoked aquatic invertebrates other than crustaceans and molluscs, whether or not cooked before or during the smoking process: flours, meals and pellets of aquatic invertebrates other than crustaceans and molluscs, fit for human consumption |
| 7. | 0401 | Ultra High Temperature (UHT) milk |
| 8. | 0402 | Milk and cream, concentrated or containing added sugar or other sweetening matter, including skimmed milk powder, milk food for babies [other than condensed milk] |
| 9. | 0403 | Cream, yogurt, kephir and other fermented or acidified milk and cream, whether or not concentrated or containing added sugar or other sweetening matter or flavoured or containing added fruit, nuts or cocoa |
| 10. | 0404 | Whey, whether or not concentrated or containing added sugar or other sweetening matter; products consisting of natural milk constituents, whether or not containing added sugar or other sweetening matter, not |

| S. No. | Chapter / Heading / Sub-heading / Tariff item | Description of Goods |
|---|---|---|
| (1) | (2) | (3) |
| 3. | 7104 | Synthetic or reconstructed precious or semi-precious stones, unworked or simply sawn or roughly shaped |

*Explanation.* –For the purposes of this notification,-

(i) The phrase "unit container" means a package, whether large or small (for example, tin, can, box, jar, bottle, bag, or carton, drum, barrel, or canister) designed to hold a pre-determined quantity or number, which is indicated on such package.

(ii) The phrase "brand name" means brand name or trade name, that is to say, a name or a mark, such as symbol, monogram, label, signature or invented word or writing which is used in relation to such specified goods for the purpose of indicating, or so as to indicate a connection in the course of trade between such specified goods and some person using such name or mark with or without any indication of the identity of that person.

(iii) The phrase "registered brand name" means a brand which is registered under the Trade Marks Act, 1999.

(iv) "Tariff item", "sub-heading" "heading" and "Chapter" shall mean respectively a tariff item, sub-heading, heading and chapter as specified in the First Schedule to the Customs Tariff Act, 1975 (51 of 1975).

(v) The rules for the interpretation of the First Schedule to the Customs Tariff Act, 1975 (51 of 1975), including the Section and Chapter Notes and the General Explanatory Notes of the First Schedule shall, so far as may be, apply to the interpretation of this notification.

2. This notification shall come into force with effect from the 1st day of July, 2017.

[(File No. Bikri-kar/GST/Vividh-13/2017-1)]

By the order of Governor of Bihar,
SUJATA CHATURVEDI,
*Commissioner-cum-Principal Secretary*
*Commercial Taxes Department.*

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अधीक्षक, सचिवालय मुद्रणालय,
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**[Bihar Act 12, 2017]**

# THE BIHAR GOODS AND SERVICES TAX ACT, 2017

## AN ACT

***to make a provision for levy and collection of tax on intra-State supply of goods or services or both by the State of Bihar and the matters connected therewith or incidental thereto***

**BE it enacted by Legislature of Bihar in the Sixty-eighth Year of the Republic of India as follows:-**

## CHAPTER I
## PRELIMINARY

**1.** ***Short title, extent and commencement.—***

(1) This Act may be called the Bihar Goods and Services Tax Act, 2017.

(2) It extends to the whole of the State of Bihar.

(3) It shall come into force on such date as the State Government may, by notification in the Official Gazette, appoint:

Provided that different dates may be appointed for different provisions of this Act and any reference in any such provision to the commencement of this Act shall be construed as a reference to the coming into force of that provision.

**2.** ***Definitions.—In this Act, unless the context otherwise requires :-***

(1) *"actionable claim"* shall have the same meaning asassigned to it in section 3 of the Transfer of Property Act, 1882;

(2) *"address of delivery"* means the address of the recipient of goods or services or both indicated on the tax invoice issued by a registered person for delivery of such goods or services or both;

(3) *"address on record"* means the address of the recipient as available in the records of the supplier;

(4) *"adjudicating authority"* means any authority, appointed or authorised to pass any order or decision under this Act, but does not include the Commissioner, Revisional Authority, the Authority for Advance Ruling, the Appellate Authority for Advance Ruling, the Appellate Authority and the Appellate Tribunal;

(5) *"agent"* means a person, including a factor, broker, commission agent, *arhatia, del credere* agent, an auctioneer or any other mercantile agent, by whatever name called, who carries on the business of supply or receipt of goods or services or both on behalf of another;

(6) *"aggregate turnover"* means the aggregate value of all taxable supplies (excluding the value of inward supplies on which tax is payable by a person on reverse charge basis), exempt supplies, exports of goods or services or both and inter-State supplies of persons having the same Permanent Account Number, to be computed on all India basis but excludes central tax, State tax, Union territory tax, integrated tax andcess;

(7) *"agriculturist"* means an individual or a Hindu Undivided Family who undertakes cultivation of land–

(a) by own labour,or

(b) by the labour of family,or

(c) by servants on wages payable in cash or kind or by hired labour under personal supervision or the personal supervision of any member of thefamily;

(8) *"Appellate Authority"* means an authority appointed or authorised to hear appeals as referred to in section 107;

(9) *"Appellate Tribunal"* means the Goods and Services Tax Appellate Tribunal constituted under section 109;

## SCHEDULE III

[*See section* 7]

## ACTIVITIES OR TRANSACTIONS WHICH SHALL BE TREATED NEITHER AS A SUPPLY OF GOODS NOR A SUPPLY OF SERVICES

1. Services by an employee to the employer in the course of or in relation to hisemployment.

2. Services by any court or Tribunal established under any law for the time being inforce.

3. (a) the functions performed by the Members of Parliament, Members of State Legislature, Members of Panchayats, Members of Municipalities and Members of other local authorities;

(b) the duties performed by any person who holds any post in pursuance of the provisions of the Constitution in that capacity;or

(c) the duties performed by any person as a Chairperson or a Member or a Director in a body established by the Central Government or a State Government or local authority and who is not deemed as an employee before the commencement of this clause.

4. Services of funeral, burial, crematorium or mortuary including transportation of the deceased.

5. Sale of land and, subject to clause (b) of paragraph 5 of Schedule II, sale of building.

6. Actionable claims, other than lottery, betting and gambling.

***Explanation.—For the purposes of paragraph 2, the term "court" includes District Court, High Court and Supreme Court.***

By Order of the Governor of Bihar,
SURENDRA PRASAD SHARMA,
*Secretary to the Government.*

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अधीक्षक, सचिवालय मुद्रणालय,
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## SUB HEAD : 0.1

# BASIC RATES OF HIRE CHARGE OF PLANT

**BASIC RATES - Contd.**

# 0.1 Hire Charges of Plants

**Note:- These rates are exclusive of contractor's profit and over head: And are inclusive of wages for weekly day of rest**

| Code No | Description | Unit | Rate Rs. As per 9th ed |
|---|---|---|---|
| 001 | Hire charges of Coaltar Boiler 900 to 1400 litres | Per day | **800.00** |
| 002 | Hire charges of Concrete Mixer 0.14 cubic metre | Per day | **800.00** |
| 003 | Hire charges of Diesel Road Roilei - 8 to 10 tonne | Per day | **2200.00** |
| 004 | Production cost of concrete by batch mix plant. | cum | **400.00** |
| 005 | Hire charges of Diesel Truck - 9 tonne | Per day | **2000.00** |
| 006 | Hire charges of Spraying machine including electric charges | Per day | **250.00** |
| 007 | Hire charges of Coltar Sprayer | Per day | **250.00** |
| 008 | Hire charges of Barber green , drying mixing and Asphalt Plant , with accessories .capacity 30/45tonne | Per day | **7700.00** |
| 009 | Pumping charges of concreteincluding Hire charges of pump, piping work & accessories etc. | cum | **200.00** |
| 010 | Hire charges of Derrick monkey rope | Per day | **800.00** |
| 011 | Hire charges of Pump set of capacity 4000 litres/hour. | Per day | **650.00** |
| 012 | Vibrator (Needle type 40mm) | Per day | **350.00** |
| 013 | Machine for rubbing of floors | Per day | **350.00** |
| 014 | Front end loader capacity 1.00 cum | Per day | **6000.00** |
| 015 | Hire and running charges of Tripod and Mechanical Winch machine complete with power unit and accessories | Per day | **2000.00** |
| 016 | Mastic Cooker | Per day | **750.00** |
| 017 | Hire and running charges of tipper | Per day | **1800.00** |
| 018 | *Hire* and running charges ol loader | Per day | **6000.00** |
| 019 | Hire Grinder for mirror polish | Per day | **250.00** |
| 020 | Hydraulic Excavator (3D) with driver and fuel. | Per day | **6500.00** |
| 021 | Pin vibrator | Per day | **250.00** |
| 022 | Surface Vibrator | Per day | **250.00** |
| 023 | Hot Bitumen mixer 0.5 cum i/c hand cart | Per day | **3500.00** |
| 024 | Hire and running charges of hydraulic piling no «viih power unit etc. including complete accessories and shifting at site. | Per day | **34000.00** |
| 025 | Hire and running charges of light crane | Per day | **2500.00** |
| 026 | Hire and running charges of bentonite pump. | Per day | **4200.00** |
| 027 | Hire and running charges of vibrating pile driving hammer complete | | |
| | with power unit and accessories. | Per day | **35000.00** |
| 028 | Hire and running charges of crane 20 tonne capacity | Per day | **9300.00** |
| 029 | Carriage of concrete by transit mixer. | km/cum | **23.00** |
| 030 | Generator 250 KVA. | Per day | **2500.00** |
| 033 | Paint applicator | Per day | **800.00** |
| 037 | Mobile crane. | Per day | **7500.00** |
| 038 | Tractor with ripper attachment | Per day | **1100.00** |
| 039 | Tractor with trolley | Per day | **1250.00** |
| 040 | Aircompressor 250 cfm with two leads for pneumatic cutters/hammers | Per day | **1500.00** |
| 041 | Joint cutting machine with 2-3 blades | Per day | **750.00** |
| 042 | C.C.batch mix plant. | Per day | **10000.00** |
| 043 | Road sweeper | Per day | **550.00** |
| 045 | Slip frompaver with sensor. | Per day | **13000.00** |
| 046 | Water tanker 5000 litre capacity | Per day | **1100.00** |

| Code No | Description | Unit | Rate Rs. As per 9th ed |
|---|---|---|---|
| 047 | Concrete joint cutting machine | Per day | **900.00** |
| 048 | Texturing machine | Per day | **925.00** |
| | Note:- Above hire-charges include cost of service of operating staff and supply of lubricating oil. | | |
| | NEW CODES | | |
| | | | |
| 049 | Dozer D-80-A 12 | hour | **2000.00** |
| 050 | Motor Grader 3.35 metre blade | hour | **2100.00** |
| 051 | Hydraulic Excavator of 1 cum bucket | hour | **800.00** |
| 052 | Front end loader 1 cum bucket capacity (incl POL) | hour | **800.00** |
| 053 | Tipper -5 Cum | tonne km | **3.00** |
| 054 | Vibratory roller 8 to 10 tonne | hour | **650.00** |
| 055 | Smooth Wheeled Roller 8 to 10 tonne | hour | **200.00** |
| 056 | Tandem Road Roller | hour | **1150.00** |
| 057 | Water Tanker 5 to 6 KL capacity | hour | **200.00** |
| 058 | Air compressor | hour | **200.00** |
| 059 | Wet Mix Plant 60 TPH | hour | **750.00** |
| 060 | Mechanical Broom Hydraulic | hour | **200.00** |
| 061 | Emulsion Pressure Distributor @ 1750 sqm per hour | hour | **800.00** |
| 062 | Hot mix Plant -120 TPH capacity | hour | **15000.00** |
| 063 | Hot mix Plant 100 TPH Capacity | hour | **13000.00** |
| 064 | Paver finisher Hydrostatic with sensor control 100 TPH | hour | **1500.00** |
| 065 | Paver finisher Mechanical 100 TPH | hour | **700.00** |
| 066 | Batching and Mixing Plant @ 75 cum per hour | hour | **2500.00** |
| 068 | Concrete Paver finisher with 40 HP Motor and sensor | hour | **2500.00** |
| 069 | Generator 250 KVA | hour | **400.00** |
| 070 | Generator 100 KVA/125 KVA | hour | **300.00** |
| 071 | Truck 5.5 cum/ 10 tonnes | tonne km | **3.00** |
| 075 | Road sweeper (Mechamical Broom) @ 1250 sqm per hour | hour | **300.00** |
| 076 | Drum Type HMP of 60-90 TPH capacity @ 75 tonne per hour actual output | hour | **11000.00** |
| 080 | Hire and running charges of drill machine up to 400 mm dia cost of mobile oil, diesel consumption in ordinary soil and operator)(including | day | **7500.00** |
| 0081 | Pile integrity testing equipment | day | **3000.00** |
| 0082 | Excavation of diaphragm wall by mechanical grab | sqm | **1500.00** |
| 0083 | Hire charges of TATA 407 or eqivalent fr local shifting | day | **1400.00** |
| | **Note :- Above hire - charges (from item code 0049 to 0082) include cost of services of operating staff, supply of lubricating oil and diesel also.** | | |

## SUB HEAD : 0.2

# BASIC RATES OF LABOUR

## BASIC RATES - Contd.

## 0.2 LABOUR

**Note:- These rates are exclusive of contractor's profit and over heads and are inclusive of wages for weekly day of rest**

| Code No | Description | Unit | Rate As per Lab deptt noti no124/1-04-16 Rs. | Rate As per Lab deptt noti no 1443/28-03-18 Rs. |
|---|---|---|---|---|
| 0100 | Bandhani | per day | 222.00 | 270.00 |
| 0101 | Bhishti | per day | 229.00 | 277.00 |
| 0102 | Blacksmith 1st class | per day | 279.00 | 342.00 |
| 0103 | Blacksmith 2nd class | per day | 249.00 | 305.00 |
| 0107 | Bullockman with single builock | per day | 284.00 | 348.00 |
| 0111 | Carpenter 1st class | per day | 279.00 | 342.00 |
| 0112 | Carpenter 2nd class | per day | 249.00 | 305.00 |
| 0113 | Chowkidar | per day | 220.00 | 267.00 |
| 0114 | Beldar | per day | 206.00 | 254.00 |
| 0115 | Coolie | per day | 218.00 | 265.00 |
| 0116 | Fitter (Grade 1) | per day | 283.00 | 348.00 |
| 0117 | Assistant Fitter or 2nd class Fitter | per day | 249.00 | 305.00 |
| 0119 | Glazier | per day | 233.00 | 286.00 |
| 0122 | Mason {For plaster of paris work} 1st class | per day | 279.00 | 342.00 |
| 0123 | Mason (for orick work) 1st class | per day | 279.00 | 342.00 |
| 0124 | Mason (for brick work) 2nd class | per day | 249.00 | 305.00 |
| 0125 | Mason (for plain stone work) 2nd class | per day | 249.00 | 305.00 |
| 0126 | Mason (for ornamental stone work) 1st class | per day | 279.00 | 342.00 |
| 0127 | Concrete mixer operator Gr 1 | per day | 265.00 | 323.00 |
| 0128 | Mate | per day | 222.00 | 270.00 |
| 0129 | Mali | per day | 262.00 | 322.00 |
| 0130 | Mistry | per day | 206.00 | 254.00 |
| 0131 | Painter | per day | 275.00 | 323.00 |
| 0132 | Rock Excavator | per day | 220.00 | 267.00 |
| 0133 | Rock Breaker | per day | 220.00 | 267.00 |
| 0134 | Rock Hole Driller | per day | 220.00 | 267.00 |
| 0135 | Stone Chiseller | per day | 222.00 | 270.00 |
| 0136 | Sewerman | per day | 222.00 | 270.00 |
| 0138 | Sprayman (for bitumen, tar etc.) | per day | 220.00 | 267.00 |
| 0139 | Skilled Beldar (for floor rubbing etc.) / Grinder | per day | 249.00 | 305.00 |
| 0141 | White Washer | per day | 262.00 | 322.00 |
| 0154 | Nozzel man/ Gun man | per day | 354.00 | 430.00 |
| 0155 | Mason (average) | per day | 249.00 | 305.00 |
| 0156 | Carpenter (average) | per day | 249.00 | 305.00 |
| 0157 | Operator (Pile/Special machines) | per day | 354.00 | 430.00 |
| 0158 | Mechanic (Pile/ Assistant operator) | per day | 323.00 | 392.00 |
| 0159 | Skilled Torch Operator | per day | 262.00 | 322.00 |

| Code No | Description | Unit | Rate As per Lab deptt noti no124/1-04-16 Rs. | Rate As per Lab deptt noti no 1443/28-03-18 Rs. |
|---|---|---|---|---|
| 0160 | Technician | per day | 361.00 | 439.00 |
| 0161 | Helper (Technician) | per day | 206.00 | 254.00 |
| 0162 | Labour for fabrication of uPVC extruded casement/ sliding windows and doors including drilling holes, fixing of fittings & hardwares, hire charges of drill machine and electricity charges etc. | per day | 354.00 | 430.00 |
| 0163 | Labour for installation of uPVC extruded casement/ sliding windows and doors including scaffolding | per day | 249.00 | 305.00 |
| 0L01 | Un Skilled labour | per day | 206.00 | 254.00 |
| 0L02 | Un Skilled labour | per day | 206.00 | 254.00 |
| 0L03 | Mistri | per day | 206.00 | 254.00 |
| 0L04 | Cleaner | per day | 206.00 | 254.00 |
| 0L05 | Helper | per day | 206.00 | 254.00 |
| 0L06 | Khalasi | per day | 206.00 | 254.00 |
| 0L11 | Electrician Gr-I | per day | 265.00 | 323.00 |
| 0L11A | Electrician Gr-II | per day | 247.00 | 301.00 |
| 0L12 | Lineman/wireman | per day | 243.00 | 294.00 |
| 0L13 | Chargeman | per day | 299.00 | 364.00 |
| 0L14 | Fore man | per day | 354.00 | 430.00 |
| 0L15 | Welder Gr I | per day | 315.00 | 383.00 |
| 0L19 | Cheker | per day | 252.00 | 308.00 |
| 0L20 | Hammerman | per day | 220.00 | 267.00 |
| 0L21 | Tin smith | per day | 284.00 | 348.00 |
| 0L22 | Tin plate maker | per day | 299.00 | 364.00 |
| 0L25 | Tile layer | per day | 222.00 | 270.00 |
| OL26 | Thatcher | per day | 222.00 | 270.00 |
| 0L27 | Plumber | per day | 265.00 | 323.00 |
| 0L28 | Grader | per day | 252.00 | 308.00 |
| 0L29 | Road binder | per day | 233.00 | 286.00 |
| 0L32 | Stone layer | per day | 247.00 | 301.00 |
| 0L34 | Fire man | per day | 222.00 | 270.00 |
| 0L36 | Gas cutter | per day | 264.00 | 320.00 |
| 0L37 | Rigger | per day | 252.00 | 308.00 |
| 0L38 | Sarang | per day | 270.00 | 364.00 |
| 0L39 | Chipper cum riveitew | per day | 264.00 | 320.00 |
| 0L40 | Tractor operator | per day | 299.00 | 364.00 |
| 0L43 | Vibrator operator | per day | 232.00 | 284.00 |
| 0L44 | Pump driver Gr I | per day | 265.00 | 323.00 |
| 0L46 | Concrete mixture operator *Gr* I | per day | 265.00 | 323.00 |
| 0L49 | Truck Driver | per day | 299.00 | 364.00 |
| 0L50 | Car/Jeep Driver | per day | 264.00 | 320.00 |

| Code No | Description | Unit | Rate As per Lab deptt noti no124/1-04-16 Rs. | Rate As per Lab deptt noti no 1443/28-03-18 Rs. |
|---|---|---|---|---|
| 0L51 | Crane Operator Gr 1 | per day | 354.00 | 430.00 |
| 0L52 | Winch Operator | per day | 265.00 | 323.00 |
| 0L53 | Road Roller Driver | per day | 361.00 | 439.00 |
| 0L56 | Polisher | per day | 222.00 | 270.00 |
| 0L70 | Any Other category of semi skilled worker not mentioned above | per day | 215.00 | 265.00 |
| 0L71 | Any other category of skilled worker not mentioned above | per day | 262.00 | 322.00 |
| 0L72 | Highly skilled workers | per day | 319.00 | 392.00 |

## SUB HEAD : 0.3

# BASIC RATES OF BUILDING & ROAD WORK

## 0.3 MATERIALS FOR BUILDING WORK AND ROAD WORK ( INPUT RATE)

**Note.- These rates are exclusive of contractor's profit, over heads ,carriage and all octroi (vat,GST and other taxes)**

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 0200 | Plain ended valley gutters Sheets 6 mm thick (corrugated) | sqm | **195.21** | **** |
| 0204 | Curved barge board | each | **143.28** | **** |
| 0205 | Barge Board 2.44 metre long | each | **334.90** | **** |
| 0206 | Barge Board 1.83 metre long | each | **250.74** | **** |
| 0207 | Drop end for plain ended valley gutter One piece plain angular ridge 1 .22 metres long | each | **145.06** | **** |
| 0208 | Plain ended valley gutters Serrated or plain wing Adjustable Ridge 1.22 m long | pair | **198.80** | **** |
| 0209 | Close fittings adjustable ridge 1.10 m long | pair | **225.65** | **** |
| 0210 | Drop end for plain ended valley gutter North light adjustable ridge 1.22 mm long | pair | **198.80** | **** |
| 0211 | Plain ended valley gutters Ridge finials | pair | **102.08** | **** |
| 0212 | Plain ended valley gutters Unserrated adjustable ridge for hips | pair | **198.80** | **** |
| 0213 | Plain ended valley gutters Roof light (1.82 metre long) | each | **1074.56** | **** |
| 0214 | Apron flashing pieces | each | **139.69** | **** |
| 0215 | Drop end for plain ended valley gutter Eaves filler pieces | each | **102.08** | **** |
| 0216 | Drop end for plain ended valiey gutter North iight ventilator curves | each | **245.37** | **** |
| 0219 | Drop end for plain ended valley gutter Expansion joint for North light curves | each | **150.44** | **** |
| 0220 | Drop end for plain ended valley gutter Expansion joint for ridqes | pair | **281.18** | **** |
| 0221 | Drop end for plain ended valley gutter Louvers 'S' type (1.75 m) | each | **118.21** | **** |
| 0222 | Seam bolts nuts 6mm dia and 25mm long | 10 Nos | **34.44** | * |
| 0223 | Non asbestos Fibre (high impact poly propelene reinforced) cement corrugated sheet 6 mm thick | sqm | **209.41** | * |
| 0224 | Non asbestos Fibre (high impact poly propelene reinforced) cement close fitting adjustable ridge | metre | **195.45** | * |
| 0225 | Non asbestos Fibre (high impact poly propelene reinforced) cement corrugate serrated adjustable ridge | metre | **195.45** | * |
| 0226 | Non asbestos Fibre (high impact poly propelene reinforced) cement plain wing adjustable ridge | metre | **195.45** | * |
| 0227 | Non asbestos Fibre (high impact poly propelene reinforced) cement unserrated adjustable ridge for hips | metre | **195.45** | * |
| 0228 | Non asbestos Fibre (high impact poly propelene reinforced) cement corrugated apron piece | metre | **186.14** | * |
| 0229 | Non asbestos Fibre (high impact poly propelene reinforced) cement eaves filler piece | each | **162.88** | * |
| 0230 | Non asbestos Fibre (high impact poly propelene reinforced) cement north light curves | metre | **260.60** | * |
| 0231 | Non asbestos Fibre (high impact poly propelene reinforced) cement ventilator curves | each | **288.52** | * |
| 0232 | Non asbestos Fibre (high impact poly propelene reinforced) cement barge boards boards 6mm thick | metre | **372.29** | * |
| 0233 | Non asbestos Fibre (high impact poly propelene reinforced) cement ridge finial | pair | **153.57** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 0234 | Non asbestos Fibre (high impact poly propelene reinforced) cement special north light curves | each | **516.55** | * |
| 0235 | Non asbestos Fibre (high impact poly propelene reinforced) cement S type louvers | each | **241.99** | * |
| 0236 | Multi purpose fibre (high impact poly propelene reinforced) cement boards 6mm thick | sqm | **195.45** | * |
| 0237 | Multi purpose fibre (high impact poly propelene reinforced) cement boards8mm thick | sqm | **200.11** | * |
| 0238 | 6 mm thick heavy duty fiber cement board | sqm | **409.52** | * |
| 0239 | 8mm thick heavy duty fiber cement board | sqm | **299.69** | * |
| 0240 | 9 mm thick heavy duty fiber cement board | sqm | **613.35** | * |
| 0241 | 12.5 mm thick Gypsum plaster board | sqm | **148.92** | * |
| 0242 | 6 mm thick mulitipurpose cement bonded wood particle board conforming to IS : 14276 | sqm | **190.80** | * |
| 0243 | 8 mm thick mulitipurpose cement bonded wood particle board conforming to IS : 14276 | sqm | **195.45** | * |
| 0285 | Brick Aggregate (Single size) 63 mm nominal size | cum | 1222.00 | ** |
| A | For Uraban Patna | cum | 1303.00 | ** |
| B | For Purnea,Saharsa,Bhagalpur,Munger & Darabhaga | cum | 1247.00 | ** |
| C | For other places | cum | 1222.00 | ** |
| D | For Patna Rural | cum | 1273.00 | ** |
| 0286 | Brick Aggregate (Single size) 50 mm nominal size | cum | 1351.00 | ** |
| A | For Uraban Patna | cum | 1452.00 | ** |
| B | For Purnea,Saharsa,Bhagalpur,Munger & Darabhaga | cum | 1392.00 | ** |
| C | For other places | cum | 1351.00 | ** |
| D | For Patna Rural | cum | 1408.00 | ** |
| 0287 | Brick Aggregate (Single size) 40 mm nominal size | cum | 1351.00 | ** |
| A | For Uraban Patna | cum | 1452.00 | ** |
| B | For Purnea,Saharsa,Bhagalpur,Munger & Darabhaga | cum | 1392.00 | ** |
| C | For other places | cum | 1351.00 | ** |
| D | For Patna Rural | cum | 1408.00 | ** |
| 0291 | Stone Aggregate (Singie size) 63 mm nominal size | cum | 431.67 | ** |
| 0292 | Stone Aggregate (Single size) 50 mm nominal size. | cum | 431.67 | ** |
| 0293 | Stone Aggregate (Single size) 40 turn nominal size | cum | 445.22 | ** |
| 0294 | Stone Aggregate (Single size) 25 mm nominal size | cum | 530.48 | ** |
| 0295 | Stone Aggregate (Single size) 20 mm nominal size | cum | 556.33 | ** |
| 0296 | Stone Aggregate (Single size) 12.5 mm nominal size | cum | 649.26 | ** |
| 0297 | Stone Aggregate (Single size) 10 mm nominal size | cum | 620.42 | ** |
| 0298 | Stone Aggregate (Single size) 6 mm nominal size | cum | 412.49 | ** |
| 0302 | Safeda bailies 125 mm diameter | metre | **32.57** | * |
| 0303 | Cowdung | cum | **46.54** | * |
| 0304 | Bajri | cum | **1116.87** | * |
| 0305 | Bamboo 25mm dia 2.5 meter long | score | **372.29** | * |
| 0308 | Bhusa | quintal | **558.43** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 0309 | Paving bitumen S-90 of approved quality | tonne | **27549.41** | * |
| 0310 | Bitumen emulsion | tonne | 39495.00 | ** |
| 0312 | Bitumen grade PMB- 40 | tonne | **35879.39** | * |
| 0313 | Blown type petrolium bitumin of Penetration 85/25 of opproved quality | tonne | **32166.73** | * |
| 0314 | Bitumen hot sealing compound Grade A | kilogram | **26.06** | * |
| 0316 | Bitumen hot sealing compound Bitumen solution primer of approved quality | litre | **46.54** | * |
| 0317 | Premoulded joint filler 12 mm thick | sqm | **282.01** | * |
| 0318 | Bitumen felt fibre base (vegetable or animal) :As per IS 7193 Grade I | sqm | **65.15** | * |
| 0319 | Bitumen felt as per IS 7193 Grade II | sqm | **74.46** | * |
| 0322 | Bitumen felt Type 3 grade I confirming to IS : 1322 | sqm | **65.15** | * |
| 0323 | Separation Membrane of impermeable plastic sheeting 125 micron thick | sqm | **11.17** | * |
| 0324 | Coal tar | litre | **27.92** | * |
| 0325 | Blasting Material Blasting powder | kilogram | **32.58** | * |
| 0326 | Blasting Material Blasting fuse (fuse wire) | each | **13.96** | * |
| 0328 | White face insulating board: 12 mm thick | sqm | **232.68** | * |
| 0332 | Natural colour insulating board: 12 mm thick | sqm | **204.76** | * |
| 0336 | Flame retardant face insulating board: 12 mm thick | sqm | **307.14** | * |
| 0339 | Flame retardant face insulating board: Impregnated fibre board 12 mm thick | sqm | **325.75** | * |
| 0341 | Flat pressed 3 layer particle board (medium density) Grade I 12 mm thick | sqm | **307.14** | * |
| 0346 | Extra for veneered particle board with Teak veneering on one side and commercial veneering on other side | sqm | **251.30** | * |
| 0347 | Extra for veneered particle board with Commercial veneering pn both sides | sqm | **167.53** | * |
| 0348 | Extra for veneered particle board with Teak veneering on both sides | sqm | **465.36** | * |
| 0349 | Curing compound | litre | **27.92** | * |
| 0351 | Integral crystalline slurry | kg | **251.30** | * |
| 0352 | Integral crystalline admixture | kg | **287.59** | * |
| 0353 | Crystalline mortar | kg | **230.82** | * |
| 0354 | Integral crystalline dry shake | kg | **383.46** | * |
| 0355 | Swellable type water stop tape | metre | **387.18** | * |
| 0356 | Primer for swellable type water stop tape | litre | **1628.77** | * |
| 0357 | Polymer modified adhesive mortar | kg | **13.50** | * |
| 0362 | Brick bats | cum | **1004.00** | ** |
| A | For Uraban Patna | cum | **1095.00** | ** |
| B | For Purnea,Saharsa,Bhagalpur,Munger & Darabhaga | cum | **1050.00** | ** |
| C | For other places | cum | **1004.00** | ** |
| D | For Patna Rural | cum | 1049.00 | ** |
| 0364 | Wire brush | each | **18.61** | * |
| 0365 | Soft brush | each | **16.75** | * |
| 0367 | Portland Slag cement (P.S.C.) | tonne | **5474.00** | *** |
| 0367A | Patna | tonne | 5718.00 | *** |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 0367B | Muzaffarpur | tonne | 5688.00 | *** |
| 0367C | Darbhanga | tonne | 5572.00 | *** |
| 0367D | Bhagalpur | tonne | 5704.00 | *** |
| 0367E | Munger | tonne | 5492.00 | *** |
| 0367F | Saharsa | tonne | 5670.00 | *** |
| 0367G | Purnea | tonne | 5572.00 | *** |
| 0367H | Gaya | tonne | 5474.00 | *** |
| 367 I | Saran | tonne | 5630.00 | *** |
| 0367 | Portland pozaiona cement (P.P.C.) | tonne | **3984.00** | *** |
| 0367A | Patna | tonne | 4532.00 | *** |
| 0367B | Muzaffarpur | tonne | 4376.00 | *** |
| 0367C | Darbhanga | tonne | 4376.00 | *** |
| 0367D | Bhagalpur | tonne | 4532.00 | *** |
| 0367E | Munger | tonne | 4490.00 | *** |
| 0367F | Saharsa | tonne | 4454.00 | *** |
| 0367G | Purnea | tonne | 4606.00 | *** |
| 0367H | Gaya | tonne | 3984.00 | *** |
| 367 I | Saran | tonne | 4428.00 | *** |
| 0367 | Ordinary Portland cement (O.P.C.) Grade -43 | tonne | **4882.00** | *** |
| 0367A | Patna | tonne | 5156.00 | *** |
| 0367B | Muzaffarpur | tonne | 5156.00 | *** |
| 0367C | Darbhanga | tonne | 5156.00 | *** |
| 0367D | Bhagalpur | tonne | 5076.00 | *** |
| 0367E | Munger | tonne | 5076.00 | *** |
| 0367F | Saharsa | tonne | 5156.00 | *** |
| 0367G | Purnea | tonne | 5156.00 | *** |
| 0367H | Gaya | tonne | 4882.00 | *** |
| 367 I | Saran | tonne | 5068.00 | *** |
| 0368 | White cement | tonne | **10424.10** | * |
| 0369 | Plastic sheath,1.25 mm thick for dowel bars | sqm | **27.92** | * |
| 0370 | Coal (Steam) | quintal | **372.29** | * |
| 0371 | Sealant primer | kg | **116.34** | * |
| 0373 | Cramp Gun metal 25x6x300 mm | each | **74.46** | * |
| 0374 | Pre moulded Joint filler, 25 mm thick for expansion joint. | sqm | **418.83** | * |
| 0378 | Brass butt hinges (Light/Ordinary type) 125x70x4 mm | ten | **791.11** | * |
| 0379 | Brass butt hinges (Light/Ordinary type) 100x70x4 mm | ten | **651.51** | * |
| 0380 | Brass butt hinges (Light/Ordinary type) 75x40x2.5 mm | ten | **400.21** | * |
| 0381 | Brass butt hinges (Light/Ordinary type) 50x40x2.5 mm | ten | **167.53** | * |
| 0382 | Brass butt hinges (heavy type) 125x85x5.5 mm(0.70kg) | ten | **1342.10** | * |
| 0383 | Brass butt hinges (heavy type; 100x85x5.5 mm(0.56kg) | ten | **1073.12** | * |
| 0384 | Brass butt hinges (heavy type) 75x65x4.0 mm(0.20kg) | ten | **884.19** | * |
| 0385 | Brass parliamentary hinges 150x125x27x5 mm | ten | **2792.17** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 0386 | Brass parliamentary hinges 125x125x27x5 mm | ten | **2419.88** | * |
| 0387 | Brass parliamentary hinges 100x125x27x5 mm | ten | **2233.74** | * |
| 0388 | Brass parliamentary hinges 75x100x20x3.2 mm | ten | **1954.52** | * |
| 0389 | Brass single acting spring hinges 150 mm | each | **428.13** | * |
| 0390 | Brass single acting spring hinges 125 mm | each | **277.36** | * |
| 0391 | Brass single acting spring hinges 100 mm | each | **241.99** | * |
| 0392 | Brass double acting Spring Hinges 150mm | each | **463.50** | * |
| 0393 | Brass double acting Spring Hinges 125mm | each | **381.60** | * |
| 0394 | Brass double acting Spring Hinges 1 OOmm | each | **344.37** | * |
| 0400 | Brass tower boits (barrel type) 250x10 mm | each | **232.68** | * |
| 0401 | Brass tower bolts (barrel type) 200x10 mm | each | **186.14** | * |
| 0402 | Brass tower bolts (barrel type) 150x10 mm | each | **139.61** | * |
| 0403 | Brass tower bolts (barrel type) 100x10 mm | each | **93.07** | * |
| 0404 | Brass flush bolts 250 mm | each | **139.61** | * |
| 0405 | Brass flush bolts 150 mm | each | **120.99** | * |
| 0406 | Brass flush bolts 100 mm | each | **83.77** | * |
| 0408 | Brass handles 125mm with plate 175x32 mm | each | **130.30** | * |
| 0409 | Brass handles 100mm with plate 150x32 mm | each | **120.99** | * |
| 0410 | Brass handles 75mm with plate 125x32 mm | each | **93.07** | * |
| 0411 | Brass door latch 300x16x5 mm (0.380 Kg) | each | **167.53** | * |
| 0412 | Brass door latch 250x16x5 mm (0.350 Kg) | each | **158.22** | * |
| 0413 | Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles | each | **362.98** | * |
| 0414 | Brass mortice latch 100x65 mm with a pair of brass level handles | each | **279.22** | * |
| 0417 | Brass 150mm floor door stopper (0.357 Kg) | each | **158.22** | * |
| 0418 | Brass hard drwn hooks and eyes 300mm | 10 nos | **604.97** | * |
| 0419 | Brass hard drawn hooks and eyes 250 mm | ten | **591.01** | * |
| 0420 | Brass hard drawn hooks and eyes 200 mm | ten | **549.13** | * |
| 0421 | Brass hard drawn hooks and eyes 150 mm | ten | **418.83** | * |
| 0422 | Brass hard drawn hooks and eyes 100 mm | ten | **372.29** | * |
| 0423 | Brass casement window fastener | each | **46.54** | * |
| 0424 | Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg | each | **125.65** | * |
| 0425 | Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg | each | **102.38** | * |
| 0426 | Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg | each | **93.07** | * |
| 0427 | Brass quadrant stays 300 mm | each | **116.34** | * |
| 0428 | Brass fanlight catch | each | **186.14** | * |
| 0429 | Brass fanlight pivot | ten | **181.49** | * |
| 0430 | Brass chain with hook for fan light catch | each | **37.23** | * |
| 0431 | Brass hasps and Staples (Safety type) 150 mm | ten | **725.96** | * |
| 0432 | Brass hasps and staples (safety type) 115 mm | ten | **604.97** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 0433 | Brass hasps and Staples (Safety type) 90 mm | ten | **521.21** | * |
| 0438 | Brass Night latch | each | **553.78** | * |
| 0442 | Brass helical Spring 150 mm | each | **288.52** | * |
| 0443 | Brass curtain rod 12 mm dia 1.25 mm thick | metre | **81.32** | **** |
| 0444 | Brass curtain rod 20 mm dia 1.25 mm thick | metre | **111.69** | * |
| 0445 | Brass curtain rod 25 mm dia 1.25 mm thick | metre | **130.30** | * |
| 0446 | Brass brackets (curtain rods) 20 mm | each | **41.88** | * |
| 0447 | Brass cupboard knob or ward robe knob 50 mm | each | **32.58** | * |
| 0449 | Brass screws 50 mm | cent | **204.76** | * |
| 0450 | Brass screws 40 mm | cent | **158.22** | * |
| 0451 | Brass screws 30 mm | cent | **130.30** | * |
| 0452 | Bras screws 25 mm | cent | **93.07** | * |
| 0453 | Brass screws 20 mm | cent | **88.42** | * |
| 0524 | Chromium plated Brass butt hinges (heavy) type 75x65x4.0 mm weighing not less than 200gms | 10Nos. | **930.72** | * |
| 0525 | Chromium plated Brass butt hinges (light / ordinary) type 125x70x4.0 mm | 10 Nos. | **837.65** | * |
| 0526 | Chromium plated Brass butt hinges (light / ordinary) type 100x70x4.0 mm | 10Nos. | **698.04** | * |
| 0527 | Chromium plated Brass butt hinges (light / ordinary) type 75x40x2.5 mm | 10 Nos. | **428.13** | * |
| 0528 | Chromium plated Brass butt hinges (light / ordinary) type 50x40x2.5 mm | 10 Nos. | **186.14** | * |
| 0552 | 75mm SS fancy handles for kitchen cabinet | 10 Nos. | **279.22** | * |
| 0553 | 100mm SS fancy handles for kitchen cabinet | 10 Nos | **465.36** | * |
| 0554 | 125mm SS fancy handles for kitchen cabinet | 10 Nos | **651.51** | * |
| 0555 | Chromium plated Brass handles 125mm with plate 175x32mm | each | **162.88** | * |
| 0556 | Chromium plated Brass handles 100mm with plate 150x32mm | each | **139.61** | * |
| 0557 | Chromium plated Brass handles 75mm with plate 125x32mm | each | **120.99** | * |
| 0558 | Chromium plated Brass mortice latch and lock 100mm x 65mm with 6 levers and apair of brass lever and a pair or brass handles | each | **460.71** | * |
| 0568 | Chromium plated Brass casement window fastner | each | **88.42** | * |
| 0569 | Chromium plated Brass casement stays (straight peg type) 300mm weighing not less than 0.33 Kg. | each | **139.61** | * |
| 0570 | Chromium plated Brass casement stays (straight peg type) 250mm weighing not less than 0.28 Kg. | each | **120.99** | * |
| 0571 | Chromium plated Brass casement stays (straight peg type) 200mm weighing not less than 0.24 Kg | each | **107.03** | * |
| 0583 | Chromium plated Brass Night latch | each | **502.59** | * |
| 0584 | Chromium plated Brass .Wardrobe Knob 50 mm | each | **79.11** | * |
| 0585 | Chromium plated Brass screws 50mm | 100 Nos | **316.45** | * |
| 0586 | Chromuim plated Brass screws 40mm | 100 Nos | **288.52** | * |
| 0587 | Chromium plated Brass screws 30mm | 100 Nos | **232.68** | * |
| 0588 | Chromium plated Brass screws 25mm | 100 Nos | **176.84** | * |
| 0589 | Chromium plated Brass screws 20mm | 100 Nos | **158.22** | * |
| 0590 | Chromium plated *brass* curtain rod 12 mm dia 1.25 mm thick | meter | **186.14** | * |
| 0591 | Chromium plated brass curtain rod 20 nm dia 1.25 mm thick | meter | **255.95** | * |
| 0592 | Chromiurr: plated brass curtain rod 25 mm dia 1.25 mm thick | meter | **339.71** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 0593 | C.P. Brass Extension Nipple (1/2"x2" size) | each | **41.88** | |
| 0594 | Brigh finish or black enameted mild steel butt hinges 125x65x2.12mm | 10 Nos | **130.30** | * |
| 0595 | Brigh finish or black enameted mild steel butt hinges 100x58x1.90mm | 10 Nos | **79.11** | * |
| 0596 | Brigh finish or black enameted mild steel butt hinges 75x47x1.70 mm | 10 Nos | **55.84** | * |
| 0597 | Brigh finish or black enameted mild steel butt hinges 50x37x1.50 mm | 10 Nos | **46.54** | * |
| 0598 | 150x125x27x2.80 mm porliamentary hinges | 10 Nos | **358.19** | **** |
| 0599 | 125x125x27x2.80 mm porliamentary hinges | 10 Nos | **322.37** | **** |
| 0600 | 100x125x27x2.80 mm popliamentary hinges | 10 Nos | **214.91** | **** |
| 0601 | 75x100x20x2.24 mm parliomentory hinges | 10 Nos | **170.82** | **** |
| 0602 | 150 mm single acting spring hinges | each | **103.32** | **** |
| 0603 | 125 mm single acting spring hinges | each | **89.55** | **** |
| 0604 | 100 mm single acting spring hinges | each | **71.65** | **** |
| 0605 | 150 mm double acting spring hinges | each | **125.37** | **** |
| 0606 | 125 mm double acting spring hinges | each | **101.95** | **** |
| 0607 | 100 mm double acting spring hinges | each | **64.73** | **** |
| 0608 | Nickel plated miid steel piano hinges 1 mm thick 25 mm wide | metre | **37.23** | * |
| 0614 | 300x20x6 mm door latch | each | **35.82** | **** |
| 0615 | 250x20x6 mm door latch | each | **28.94** | **** |
| **0620** | **125 mm handles** | **each** | **6.89** | **** |
| 0621 | 100 mm handles | each | **5.51** | **** |
| 0622 | 75 mm handles | each | **4.13** | **** |
| 0632 | 115 mm hasper & stopler ( safety type ) | 10 Nos | **81.29** | **** |
| 0633 | 90 mm hasper & stopler ( safety type ) | 10 Nos | **63.37** | **** |
| 0635 | Brigh finish or black enameled mild steel screws 50 mm | 100 Nos | **71.67** | * |
| 0636 | Oxidiged mild steel 45 mm screw | 100 Nos | **45.46** | **** |
| 0637 | Bright finish or black enameled mild steel screws 40 mm | 100 Nos | **58.64** | * |
| 0638 | Bright finish or black enameled mild steel screws 30 mm | 100 Nos | **46.54** | * |
| 0639 | Bright finish or black enameled mild steel screws 25 mm | 100 Nos | **34.44** | * |
| 0640 | Bright finish or black enameled mild steel screws 20 mm | 100 Nos | **29.78** | * |
| 0641 | Bright finished or black enameled mild steel bolts and nuts 50 X 6mm | each | **4.65** | * |
| 0642 | Oxidised mild steel butt hinges 125x65x2.12mm | 10 Nos | **130.30** | * |
| 0643 | Oxidised mild steel butt hinges 100x58x1.90mm | 10 Nos | **83.77** | * |
| 0644 | Oxidised mild steel butt hinges 75x47x1.70mm | 10 Nos | **60.50** | * |
| 0645 | Oxidised steel mild butt hinges 50x37x1.50rnrn | 10 Nos | **51.19** | * |
| 0646 | Oxidised steel mild parliamentary hinges 150x125x27x2.80 mm | 10 Nos | **316.45** | * |
| 0647 | Oxidised steel mild parliamentary hinges 125x125x27x2.80 mm | 10 Nos | **293.18** | * |
| 0648 | Oxidised steel mile' parliamentary hinges 100x125x27x2.80 mm | 10 Nos | **218.72** | * |
| 0649 | Oxidised steel mild parliamentary hinpes 75x100x20x2.24 mm | 10 Nos | **186.14** | * |
| 0650 | Oxidised mild steel Single acting spring hinges 150mm | each | **130.30** | * |
| 0651 | Oxidised mild steel Single acting spring hinges 125 mm | each | **111.69** | * |
| 0652 | Oxidised mild steel Single acting spring hinges 100 mm | each | **93.07** | * |
| 0653 | Oxidised mild steel double acting spring hinges 150 mm | each | **148.92** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 0654 | Oxidised mild steel double acting spring hinges 125 mm | each | **130.30** | * |
| 0655 | Oxidised mild steel double acting spring hinges 100 mm | each | **111.69** | * |
| 0656 | Nickel plated mild steel piano, hinges 1 mm thick 35mm wide | metre | **41.88** | * |
| 0660 | Oxidised mild steel sliding door bolts 300x16mm | each | **88.42** | * |
| 0661 | Oxidised mild steel sliding door bolts 250x16mm | each | **79.11** | * |
| 0662 | Oxidised mild steel door latch 300x20x6 mm | each | **46.54** | * |
| 0663 | Oxidised mild steel door latch 250x20x6 mm | each | **37.23** | * |
| 0664 | Oxidised mild steel tower bolts (barrel type) 250x10 mm | each | **41.88** | * |
| 0665 | Oxidised mild steel lower bolts (barrel type) 200x10 mm | each | **32.58** | * |
| 0666 | Oxidised mild steel tower bolts (barrel type) 150x10 mm | each | **27.92** | * |
| 0667 | Oxidised mild steel tower bolts (barrel type) 100x10 mm | each | **18.61** | * |
| 0668 | Oxidised mild steel handles 125 mm | each | **18.61** | * |
| 0669 | Oxidised mild steel handles 100 mm | each | **13.96** | * |
| 0670 | Oxidised mild steel handles 75 mm | each | **11.17** | * |
| 0679 | Oxidised mild steel hasps and staples (safety type) 150 mm | 10 Nos | **120.99** | * |
| 0680 | Oxidised mild steel hasps and staples (safety type) 115 mm | 10 Nos | **102.38** | * |
| 0681 | Oxidised mild steel hasps and staples (safety type) 90 mm | 10 Nos | **74.46** | * |
| 0682 | Oxidised mild steel screws 50 mm | 100 Nos | **71.67** | * |
| **0683** | **Oxidised mild steel screws 40 mm** | **100 Nos** | **58.64** | * |
| 0684 | Oxidised mild steel screws 30 mm | 100 Nos | **46.54** | * |
| 0685 | Oxidised mild steel screws 25 mm | 100 Nos | **34.44** | * |
| 0686 | Oxidised mild steel screws 20 mm | 100 Nos | **29.78** | * |
| 0687 | Anodised Aluminium butt hinges 125x75x4 mm | 10 Nos | **530.51** | * |
| 0688 | Anodised Aluminium butt hinges 125x63x4 mm | 10 Nos | **372.29** | * |
| 0689 | Anodised Aluminium butt hinges 100x75x4 mm | 10 Nos | **372.29** | * |
| 0690 | Anodised Aluminium butt hinges 100x63x3.2 mm | 10 Nos | **255.95** | * |
| 0691 | Anodised Aluminium butt hinges 100x63x4 mm | 10 Nos | **307.14** | * |
| 0692 | Anodised Aluminium butt hinges 75x63x4 mm | 10 Nos | **260.60** | * |
| 0693 | Anodised Aluminium butt hinges 75x63x3.2 mm | 10 Nos | **214.07** | * |
| 0694 | Anodised Aluminium butt hinges 75x45x3.2 mm | 10 Nos | **186.14** | * |
| 0695 | Anodised Aluminium butt hinges 50x35x3.2 mm | 10 Nos | **99.20** | **** |
| 0696 | Anodised Aluminium silding door bolt 300x16 mm | each | **139.61** | * |
| 0697 | Anodised Aluminium silding door bolt 250x16 mm | each | **120.99** | * |
| 0698 | Anodised Aluminium tower bolt (barrel type)300x10 mm | 10 Nos | **549.13** | * |
| 0699 | Anodised Aluminium tower bolt (barrel type)250x10 mm | 10 Nos | **456.05** | * |
| 0700 | Anodised Aluminium tower bolt (barrel type)200x10 mm | 10 Nos | **362.98** | * |
| 0701 | Anodised Aluminium tower bolt (barrel type) 150x10 mm | 10 Nos | **288.52** | * |
| 0702 | Anodised Aluminium tower bolt (barrel type) 100x10 mm | ten | **214.07** | * |
| 0703 | Anodised Aluminium handles 125 mm with plate 175x32 mm | ten | **307.14** | * |
| 0704 | Anodised Aluminium nandies 100 mm with plate 150x32 mm | ten | **260.60** | * |
| 0705 | Anodised Aluminium handles 75 mm with plate 125x32 mm | ten | **218.72** | * |
| 0706 | Anodised Aluminium kicking plate 50cm long 100x3.15 mm | each | **134.95** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 0713 | Block Board Construction flush door with teak wood ply on both faces 35 mm thick | sqm | **1675.30** | * |
| 0714 | Block Board Construction flush door with teak wood ply on both faces 30 mm thick | sqm | **1582.23** | * |
| 0715 | Block Board Construction flush door with teak wood ply on both faces 25 mm thick | sqm | **1396.09** | * |
| 0717 | Block board construction flush door with Commercial ply on both faces 35 mm thick | sqm | **930.72** | * |
| 0718 | Block board construction flush door with Commercial ply on both faces 30 mm thick | sqm | **930.72** | * |
| 0719 | Block board construction flush door with Commercial ply on both faces 25 mm thick | sqm | **893.49** | * |
| 0752 | Block board construction flush door lipping 25 mm thick | sqm of | **293.18** | * |
| 0753 | Square vision Panel in Block board construction flush door | sqm of door area | **130.30** | * |
| 0754 | Circular Vision Panel in block board construction flush door | sqm of door area | **139.61** | * |
| 0755 | Decorative type Louvers in Block board construction flush door | sqm of door area | **302.49** | * |
| 0757 | Rebate cutting in Block board construction flush door | sqm of door area | **102.38** | * |
| 0759 | Decorative Plywood 4 mm | sqm | **279.22** | * |
| 0761 | Fuel Wood | quintal | **465.36** | * |
| 0763 | Glue | kilogram | **65.15** | * |
| 0764 | Calcium silicate base compound for jointing calcium silicate tiles | kilogram | **23.27** | * |
| 0765 | **Hessian cloth** | sqm | **23.27** | * |
| 0768 | Jali (cement concrete) 50mm thick | sqm | **218.72** | * |
| 0769 | Jali (cement concrete) 40mm thick | sqm | **186.14** | * |
| 0770 | Jali (cement concrete) 25mm thick | sqm | **153.57** | * |
| 0771 | Kerosene oil | litre | **41.88** | * |
| 0772 | White cement based polymer modified self curing compound in powder form | kg | **13.96** | * |
| 0773 | Lime Unslaked lime | quintal | **251.30** | * |
| 0775 | Lime Dehradun white lime | quintal | 511.90 | * |
| 0776 | Lime Satna lime | quintal | **344.37** | * |
| 0777 | Dry hydrated lime (factory made) | quintal | **260.60** | * |
| 0784 | Marble dust / powder | cum | **930.72** | * |
| 0785 | Marble chips upto 4mm and down size White & black | quintal | **232.68** | * |
| 0786 | Marble chips upto 4mm and down size Chocolate, grey or yellow | quintal | **158.44** | **** |
| 0787 | Marble chips upto 4mm and down size Baroda green | quintal | **158.44** | **** |
| 0788 | Marble chips Large size above 4mm. white & black | quintal | **232.68** | * |
| 0801 | Silicon and acrylic emulsion | litre | **120.99** | * |
| 0802 | Acrylic distemper 1st quality , having VOC content less than 50gm/litre | Kg | **35.37** | * |
| 0803 | Acrylic emulsion , having VOC content less than 50 gm/litre | litre | **167.53** | * |
| 0804 | Premium acrylic emulsion of interior grade, having VOC content less than 50 gm/litre | litre | **195.45** | * |
| 0805 | Synthetic enamel paint , having VOC (Volatile Organic Compound) content less than 150 gm/litre | litre | **172.22** | * |
| 0806 | Ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 gms/litre | litre | **107.64** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 0807 | Ready mixed red oxide zinc chromatic on steel/ iron work, having VOC content less than 250 gms/litre | litre | **111.69** | * |
| 0808 | Water thinnable cement primer for interior wall surface, having VOC content less than 50 gms/litre | litre | **52.12** | * |
| 0809 | Exterior Primer | kg | **48.40** | * |
| 0810 | Moorum | cum | **132.21** | ** |
| 0811 | Mud (dry) | cum | **139.61** | * |
| 0815 | Dry Distemper | kilogram | **25.83** | * |
| 0816 | Oil bound washable distemper / Acrylic distemper | kilogram | **38.75** | * |
| 0818 | Linseed oil (double boiled) | litre | **186.14** | * |
| 0820 | Cement primer | litre | **55.84** | * |
| 0821 | Distemper primer | litre | **54.91** | * |
| 0823 | Pink primer (for wood) | litre | **79.11** | * |
| 0824 | White cement based putty | kg | **18.61** | * |
| 0826 | Aluminium paint | litre | **111.94** | * |
| 0827 | Acid proof paint (chocolate or black) | litre | **193.75** | * |
| 0828 | Anti-corrosive bituminous paint (black) | litre | **86.11** | * |
| 0829 | Black Japan | litre | **77.50** | * |
| 0830 | Enamel paint | litre | **133.47** | * |
| 0831 | Floor enamel paint in all shades except green | litre | **105.05** | * |
| 0833 | Synthetic enamel paint black or chocolate shade | litre | **146.39** | * |
| 0834 | Synthetic enamel paint in ail shades except black or chocolate | litre | **129.17** | * |
| 0835 | Plastic emulsion paint | litre | **172.22** | * |
| 0845 | Roofing paint for iron sheets in red colour | litre | **103.33** | * |
| 0850 | White lead | kilogram | **129.17** | * |
| 0851 | Water proofing cement paint Snowcem Plus | kilogram | **32.72** | * |
| 0855 | Wax polish (ready made) | kilogram | **260.38** | * |
| 0856 | Ordinary varnish | litre | **77.50** | * |
| 0857 | Superior copal varnish | litre | **111.94** | * |
| 0858 | Superior spar varnish | litre | **111.94** | * |
| 0859 | Oil type wood preservative | litre | **130.30** | * |
| 0863 | Polish Putty for wood work | kilogram | **27.92** | * |
| 0865 | Pigments Pig lead | kilogram | **128.44** | * |
| 0868 | Premixed super white gypsum plaster. | kg | **4.65** | * |
| 0869 | Plaster of Paris | kilogram | **3.72** | * |
| 0870 | Pigments Plug | each | **9.31** | * |
| 0873 | Copper pins 6 mm dia 7.5cm long | each | **9.31** | * |
| 0874 | Pigments black colour dark shade | kilogram | **74.46** | * |
| 0875 | Pigments Red chocolate orange buff or yellow (red oxide of iron ) light shade | kilogram | **74.46** | * |
| 0876 | Pigments green or blue medium shade | kilogram | **74.46** | * |
| 0886 | standard holdar bat clamps for sand cast iron or cast iron pipes 150mm dia | each | **41.88** | * |
| 0966 | sand cast iron plain shoe 150mm dia | each | **288.52** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 0967 | pigments plate -copper | kilogram | **260.60** | * |
| 0969 | Pulleys 25mm dia | each | **51.19** | * |
| 0973 | Rolling shutters and its parts Rolling shutter made of 80X1.25mm machine rolled laths | sqm | **1228.55** | * |
| 0974 | Rolling shutters and its parts Top cover for rolling shutters | metre | **824.62** | * |
| 0975 | Rolling shutters and its parts 27.5cm long wire spring grade No 2 for rolling Shutters | each | **325.75** | * |
| 0976 | Rolling shutters and its parts ball bearing for rolling shutters | each | **260.60** | * |
| 0977 | Extra for mechnical devices chain and cranked operation for operating rolling shutters Exceeding 10.00 sqm and upto 16.80 sqm area of door | sqm | **558.43** | * |
| 0978 | Extra for mechnical devices chain and cranked operation for operating rolling shutters Exceeding 16.80 sqm area of door | sqm | **558.43** | * |
| 0979 | Royalty for good earth | cum | **27.92** | * |
| 0980 | Royalty for sludge | cum | **83.77** | * |
| 0982 | Sand Coarse sand Doriganj equvalent to Koilwar/Sone sand | cum | 160.69 | ** |
| 982A | Sand Coarse sand querry at Koilwar/Sone | | 160.69 | ** |
| 0983 | Fine sand (zone IV) | cum | 117.66 | ** |
| 0992 | Galvanised steel plain sheets | quintal | **5212.05** | * |
| 0994 | Standard quality hard board sheet 3mm thick | sqm | **134.02** | * |
| 0996 | Sheets standard quality had board sheet 4.5mm thick | sqm | **145.21** | * |
| **0999** | **Polish shellac** | **kilogram** | **279.22** | * |
| 1000 | Oil/Fuel spirit | litre | **46.54** | * |
| **1003** | **Mild steel round bar above 12mm dia** | quintal | 4545.00 | ** |
| 1001 | Spun yarn | kilogram | **46.54** | * |
| **1002** | **Mild steel round bar 12mm dia and below** | quintal | 4545.00 | ** |
| **1004** | **Mild steel wire rod** | quintal | 4545.00 | ** |
| 1004A | 5.5mm | quintal | 4545.00 | ** |
| 1004B | 6.0mm | quintal | 4532.00 | ** |
| 1004C | 6.5mm | quintal | 4518.00 | ** |
| 1004D | 7.0mm | quintal | 4505.00 | ** |
| 1004E | 8.00mm | quintal | 4492.00 | ** |
| 1004F | 10.0mm | quintal | 4545.00 | ** |
| 1004G | 12.0/12.7mm | quintal | 4545.00 | ** |
| **1005** | **Steel T.M.T. Bars Fe 500** | quintal | | ** |
| 1005A | TMTC-500-8mm | quintal | 4593.20 | ** |
| 1005B | TMTC-500-10mm | quintal | 4542.40 | ** |
| 1005C | TMTC-500-12mm | quintal | 4491.50 | ** |
| 1005D | TMT FE-500-16mm | quintal | 4491.50 | ** |
| 1005E | TMT FE-500-20mm | quintal | 4491.50 | ** |
| 1005F | TMT FE-500-25mm | quintal | 4491.50 | ** |
| 1005G | TMT FE-500-28mm | quintal | 4491.50 | ** |
| 1005H | TMT FE-500-32mm | quintal | 4491.50 | ** |
| 1005 I | TMT FE-500-36mm | quintal | 4491.50 | ** |
| ~~**1005 '**~~ | ~~**Steel T.M.T. Bars Fe 415**~~ | ~~quintal~~ | | ~~*~~ |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| ~~1005A '~~ | ~~TMTC-415-8mm~~ | ~~quintal~~ | | * |
| ~~1005B '~~ | ~~TMTC-415-10mm~~ | ~~quintal~~ | | * |
| ~~1005C '~~ | ~~TMTC-415-12mm~~ | ~~quintal~~ | | * |
| ~~1005D '~~ | ~~TMT FE-415-16mm~~ | ~~quintal~~ | | * |
| ~~1005E '~~ | ~~TMT FE-415-20mm~~ | ~~quintal~~ | | * |
| ~~1005F '~~ | ~~TMT FE-415-25mm~~ | ~~quintal~~ | | * |
| ~~1005G '~~ | ~~TMT FE-415-28mm~~ | ~~quintal~~ | | * |
| 1005H ' | ~~TMT FE-415-32mm~~ | ~~quintal~~ | | * |
| 1006 | Mild steel square bars | quintal | **3420.41** | * |
| **1007 A** | **STEEL JOIST** | quintal | **3903.24** | * |
| a | 200X100 | quintal | **3903.24** | * |
| b | 225X110 | quintal | **3903.24** | * |
| c | 250X125 | quintal | **3963.02** | * |
| d | 300X140 | quintal | **3963.02** | * |
| e | 350X140 | quintal | **4084.84** | * |
| f | 400X140 | quintal | **4204.27** | * |
| g | 450X150 | quintal | **4314.28** | * |
| h | 500X180 | quintal | **4424.31** | * |
| i | 600X210 | **quintal** | **4754.57** | * |
| **1007B** | **STEEL CHANNEL** | quintal | 4326.00 | ** |
| a | 75X40 | quintal | 4326.00 | ** |
| b | 100X50 | quintal | 4326.00 | ** |
| c | 125X65 | quintal | 4326.00 | ** |
| d | 150X75 | quintal | 4326.00 | ** |
| e | 175X75 | quintal | 4326.00 | ** |
| f | 200X75 | quintal | 4353.00 | ** |
| g | 250X82 | quintal | 4353.00 | ** |
| h | 300X90 | quintal | 4353.00 | ** |
| i | 400X100 | quintal | 4353.00 | ** |
| **1007C** | **STEEL ANGLES** | quintal | | ** |
| a | 50x50x6 | quintal | 4155.00 | ** |
| b | 60X60X6 | quintal | 4155.00 | ** |
| c | 65X65X6 | quintal | 4155.00 | ** |
| d | 75X75X6 | quintal | 4155.00 | ** |
| e | 80X80X8/10/12 | quintal | 4155.00 | ** |
| f | 90X90X6 | quintal | 4155.00 | ** |
| g | 100X100X8/10/12 | quintal | 4155.00 | ** |
| h | 110X110X8/10/12 | quintal | 4155.00 | ** |
| i | 130X130X10/12 | quintal | 4155.00 | ** |
| j | 150X150X12/16/20 | quintal | 4155.00 | ** |
| k | 200X200X16/18/26 | quintal | 4155.00 | ** |
| 1008 | Flats upto 10mm in thickness | quintal | **3420.41** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 1009 | Flats exceeding 10mm in thickness | quintal | **3513.48** | * |
| 1010 | Mild steel plates | quintal | **3629.82** | * |
| 1011 | Steel glazed door,window/ ventilator, all members viz. F7D, F4B,K11 and K12B etc. | kg | **44.67** | * |
| 1013 | Mild steel sheets for tanks | quintal | **3513.48** | * |
| 1015 | Mild steel expanded metal 20x60 mm strands | sqm | **260.60** | * |
| 1019 | Mild steel hooks | each | **27.92** | * |
| 1020 | Mild steel rivets | quintal | **4188.26** | * |
| 1021 | Hard drawn steel wire fabric | sqm | **372.29** | * |
| 1022 | Galvanised steel bolts and nuts 6mm dia. And 25mm long round head with slots | ten | **35.37** | * |
| 1023 | Galvanised steel J or L hooks 8mm dia. | Ten | **107.03** | * |
| 1024 | Galvanised steel bolts and nuts 10mm dia. and 125mm long | each | **10.24** | * |
| 1025 | Mild steel bolts 6mm dia and 25mm long with hexagonal head | ten | **25.13** | * |
| 1028 | Straining bolts | each | **60.50** | * |
| 1029 | Galvanised steeL barbed wire | quintal | **4467.47** | * |
| 1030 | Galvanised steel turn buckles | each | **13.96** | * |
| 1031 | Galvanised steel bolts & nut 10mm dia 27cm long both sides threaded with 4 galvanised steel nuts | each | **20.48** | * |
| 1032 | Galvanised steel bolts 10mm dia 7cm long with nuts | each | **16.75** | * |
| 1034 | Bolts and nuts upto 300mm in length | quintal | **4746.69** | * |
| 1035 | Bolts and nuts above 300mm in length | quintal | **4886.30** | * |
| 1036 | Iron Pintels including welded pin | each | **34.44** | * |
| 1143 | Steel Beading | metre | **25.13** | * |
| 1145 | Aluminium Plain Strip edging 38x12x3 mm | metre | **83.76** | * |
| 1149 | Glass strips 4mm thick 40mm deep | metre | **18.61** | * |
| 1151 | Boundry stone top chisel dressed 15x15x90cm | each | **65.15** | * |
| 1154 | Through and bond stone | 100 nos | **1172.71** | * |
| 1157 | Stone for masonry work | cum | **805.08** | * |
| 1158 | Stone for pitching 15cm x 22.5cm | cum | **591.94** | * |
| 1159 | Stone dust | cum | 99.38 | ** |
| 1160 | Red sand stone block | 10 cudm | **60.50** | * |
| 1161 | White sand stone block | 10 cudm | **65.15** | * |
| 1163 | White sand stone slab 75mm thick (un-dressed) | sqm | **293.18** | * |
| 1164 | Red sand stone slab 40mm thick (undressed) | sqm | **186.14** | * |
| 1165 | 'White sand stone slab 40mm thick (undressed) | sqm | **186.14** | * |
| 1166 | Red sand stone slab 30mm thick (undressed) | sqm | **167.53** | * |
| 1168 | Kota stone slab 20mm to 25mm thick (semi-polished) | sqm | **260.60** | * |
| 1169 | Kota stone slab 25mm thick (rough chiselled) | sqm | **260.60** | * |
| 1174 | Red sand stone slab 45/50mm thick (un-polished) | sqm | **209.41** | * |
| 1175 | White sand stone slab 45/50mm thick (undressed) | sqm | **209.41** | * |
| 1177 | Stone grit 6 mm and down size or pia sized grand | cum | **739.93** | * |
| 1179 | Crushed stone 2.36 mm to 12.5 mm size | cum | **837.65** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 1179 | | | 0.00 | |
| 1182 | Surkhi | cum | 1595.00 | ** |
| A | Uraban Patna | cum | 1724.00 | ** |
| B | For Purnia,Bhagalpur,Saharasa,Munger,Darabhanga | cum | 1653.00 | ** |
| C | For other places | cum | 1595.00 | ** |
| D | For Patna Rural | cum | 1665.00 | ** |
| 1186 | Superior class teak wood such as Dandeli, Balarshah or Malabar in planks | 10 cudm | **1023.80** | * |
| 1187 | First class teak wood in scantling | 10 cudm | **819.04** | * |
| 1188 | First class teak wood in planks | 10 cudm | **791.11** | * |
| 1189 | Second class teak wood in scantling | 10 cudm | **614.28** | * |
| 1190 | Second class teak wood in planks | 10 cudm | **628.24** | * |
| 1194 | Second class deodar wood in pianks | 10 cudm | **465.36** | * |
| 1196 | First class kail wood in planks | 10 cudm | **288.52** | * |
| 1197 | Second class kail wood in scantling | 10 cudm | **241.99** | * |
| 1198 | Second clas's kail wood in planks | 10 cudm | **241.99** | * |
| 1199 | Sal wood in scantling | 10 cudm | **558.43** | * |
| 1195 | Local wood in scantling | 10 cudm | **309.39** | **** |
| 1200 | Kiln seasoned selected sheesham wood planks | 10 cudm | **604.97** | * |
| 1201 | Precast terrazo tiles 22 mm thick (light shade) | sqm | **265.26** | * |
| 1202 | Precast terrazo tiles 22 mm thick (medium shade) | sqm | **246.64** | * |
| 1203 | Precast terrazo tiles 22 mm thick (dark shade) | sqm | **228.03** | * |
| 1204 | Precast heat resistant terrace tiles (size 300x300 mm) and 20 mm thick | sqm | **442.09** | * |
| 1207 | Washers Cadmium coated G.I. limpet washer | cent | **32.58** | * |
| 1208 | Washers Bitumen washer | cent | **27.92** | * |
| 1209 | Washers G.I. plain washer thick | cent | **32.58** | * |
| 1210 | Washers G.I. plain washer thin | cent | **29.78** | * |
| 1211 | Washers G.I. plain washer for seam bolts | cent | **27.92** | * |
| 1213 | Water proofing compound 'Impermo' of Snowcem India Ltd. | kilogram | **32.58** | * |
| 1214 | Welding By gas plant | cm | **1.86** | * |
| 1215 | Welding By electric plant | cm | **1.86** | * |
| 1216 | Whiting | quintal | **558.43** | * |
| 1219 | Wire nails | kilogram | **55.84** | * |
| 1220 | Wire mesh (Rabbit) | sqm | **39.09** | * |
| 1221 | 20 mm dia holding down bolts | quintal | **5118.98** | * |
| 1222 | Mild steel sheets with bolts and nuts to rest on lintels | each | **111.69** | * |
| 1224 | Hard drawn steel wire | quintal | **4281.33** | * |
| 1225 | Mild steel flat strap fitting | quintal | **3722.89** | * |
| 1227 | Chequered terrazo tiles 22mm thick (light shade) | sqm | **255.95** | * |
| 1228 | Chequered terrazo tiles 22mm thick (medium shade) | sqm | **279.22** | * |
| 1229 | Chequered terrazo tiles 22mm thick (dark shade) | sqm | **241.99** | * |
| 1231 | Extra for selected planks of second class teak wood | 10 cudm | **139.61** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 1234 | Aluminium plain strip edging 57x12x3 mm | metre | **125.65** | * |
| 1235 | Oil / Fuel Diesel oil | litre | **42.81** | * |
| 1237 | Cutting marble or sand stone slab upto 50mm thick by mechanical device | metre | **9.31** | * |
| 1238 | Extra for selected planks of first class teak wood | 10 cudm | **139.61** | * |
| 1239 | 18 mm thick Flamed finish granite stone slab | sqm | **1582.23** | * |
| 1240 | 18 mm thick Italian Marble stone slab,(slab area up to 0.5 sqm). | sqm | **2978.31** | * |
| 1241 | Oil / Fuel LPG (Commercial Cylinder) | kg | **60.50** | * |
| 1242 | Glass mossaic tiles (20 mm x 20 mm x 4 mm ). | sqm | **1001.46** | * |
| 1243 | Tile fixing chemical adhesive | kg | **18.61** | * |
| 1244 | Cement Polymer Grout Compound | kg | **23.27** | * |
| 1245 | Acid for cleaning tiles | litre | **16.75** | * |
| 1246 | Silicon based Joint Sealant for Tiles | kg | **139.61** | * |
| 1247 | Rubber base Adhesive | kg | **148.92** | * |
| 1248 | Epoxy based sealing Compound | kg | **467.22** | * |
| 1249 | Acrylic based sealing compound | kg | **447.68** | * |
| 1250 | Non woven reinforcement Tape | metre | **0.13** | * |
| 1301 | Bleaching powder | quintal | **1628.77** | * |
| 1304 | Surface box for stop cock | each | **116.34** | * |
| 1305 | Surface box for sluice valve | each | **195.45** | * |
| 1307 | Surface box for water meter | each | **232.68** | * |
| 1309 | C.I. bracket for wash basin and sinks | pair | **60.50** | * |
| 1313 | 8 mm dia C.P. Brass/ S.S. Jet with flexible tube upto 1 metre long with S.S. tringular plate for Eureopean type W.C. | each | **186.14** | * |
| 1314 | C.P. brass chain with 32 mm dia rubber plug | each | **37.23** | * |
| 1315 | C.P. brass chain with 40 mm dia rubber plug | each | **37.23** | * |
| 1330 | Clamps and M.S. stays including bolts and nuts for 100 mm pipe | each | **27.92** | * |
| 1331 | M.S. Holder bat clamp of approved design for 10 mm S.C.I.pipe | each | **18.61** | * |
| 1332 | M.S. Holder bat clamp of approved design for 75mm S.C.I.pipe | each | **16.75** | * |
| 1334 | Clamps and M.S. stays including bolts and nuts for 50 mm pipe | each | **26.06** | * |
| 1335 | Clamps and M.S. stays including bolts and nuts for75 mm pipe | each | **27.92** | * |
| 1336 | Clearing eye with chain and lid 100 mm dia | each | **40.95** | * |
| 1337 | Clearing eye with chain and lid150 mm dia | each | **46.54** | * |
| 1339 | Brass bib-cock 15 mm dia | each | **195.45** | * |
| 1340 | Brass bib-cock 20mm dia | each | **209.41** | * |
| 1342 | Brass stop-cock 15 mm dia | each | **195.45** | * |
| 1343 | Brass stop-cock 20 mm dia | each | **209.41** | * |
| 1350 | Mosquito proof coupling of approved design | each | **27.92** | * |
| 1352 | C.I. cover and frame 300x300 mm inside | each | **279.22** | * |
| 1353 | C.I. cover without frame 300x300 mm inside i/c cover of 4.50kg | each | **209.41** | * |
| 1354 | Rectangular cover 455x610 mm with frame (low duty) | each | **1396.09** | * |
| 1355 | Rectangular cover 455x610 mm without frame (low duty) | each | **930.72** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 1356 | 500mm dia cover with frame (medium duty) | each | **4420.94** | * |
| 1357 | 500mm dia cover withought frame (medium duty) | each | **2140.66** | * |
| 1360 | C.I.mouth ,brass ferrule 15 mm dia | each | **130.30** | * |
| 1361 | C.I.mouth ,brass ferrule 20 mm dia | each | **148.92** | * |
| 1362 | C.I.mouth ,brass ferrule 20 mm dia | each | **204.76** | * |
| 1363 | Vitreous china foot rests 250x130x30 mm | pair | **93.07** | * |
| 1364 | C.I. grating 100x100 mm | each | **13.96** | * |
| 1366 | C.I. grating 150x150 mm | each | **23.27** | * |
| 1367 | C.I. grating 180x180 mm | each | **27.92** | * |
| 1369 | S.C.I. gully or nahani grating 100 mm dia | each | **16.75** | * |
| 1373 | Rubber insertions for 80 mm dia pipe joints | each | **13.96** | * |
| 1374 | Rubber insertions for 100 mm dia pipe joints | each | **16.75** | * |
| 1375 | Rubber insertions for 125 mm dia pipe joints | each | **18.61** | * |
| 1376 | Rubber insertions for 150 mm dia pipe joints | each | **18.61** | * |
| 1377 | Rubber insertions for 200 mm dia pipe joints | each | **23.27** | * |
| 1378 | Rubber insertions for 250 mm dia pipe joints | each | **37.23** | * |
| 1379 | Rubber insertions for 300 mm dia pipe joints | each | **41.88** | * |
| 1380 | Rubber insertions for 350 mm dia pipe joints | each | **46.54** | * |
| 1381 | Rubber insertions for 400 mm dia pipe joints | each | **67.94** | * |
| 1382 | Rubber insertions for 450 mm dia pipe joints | each | **85.63** | * |
| 1383 | Rubber insertions for 500 mm dia pipe joints | each | **102.38** | * |
| 1384 | Rubber insertions for 600 mm dia pipe joints | each | **116.34** | * |
| 1392 | Mirror of superior make glass 60x45 cm | each | **288.52** | * |
| 1396 | Vitreous china pedestal for wash basin | each | **651.51** | * |
| 1397 | Pig lead | kilogram | **128.44** | * |
| 1464 | S & S.C.I.standard specials up to 300 mm dia (heavy class) | quintal | **3350.60** | * |
| 1466 | S & S.C.I.standard specials over 300 mm dia (heavy class) | quintal | **3443.68** | * |
| 1468 | Flanged C.I. standard specials up to 300 mm dia(heavy class) | quintal | **5118.98** | * |
| 1470 | Flanged C.I. standard specials over 300 mm dia(heavy class) | quintal | **5118.98** | * |
| 1472 | Casing pipe 100 mm dia | metre | **311.79** | * |
| 1532 | Flush pipe with union spreaders and clamps all in C.P. brass for single stall | each | **251.30** | * |
| 1533 | Flush pipe with union spreaders and clamps all in C.P. brass for double stall | each | **372.29** | * |
| 1534 | Flush pipe with union spreaders and clamps all in C.P. brass for range of three stall | each | **483.98** | * |
| 1535 | Flush pipe with union spreaders and clamps all in C.P. brass for range of four stall | each | **558.43** | * |
| 1540 | Flush pipe and spreaders G.I.for single set of one squatting plate urinal | each | **162.88** | * |
| 1541 | Flush pipe and spreaders G.I.for range of two squatting plates urinal | each | **232.68** | * |
| 1542 | Flush pipe and spreaders G.I.for range of three squatting plates urinal each | each | **279.22** | * |
| 1543 | Flush pipe and spreaders G.I.for range of four squatting plates urinal | each | **362.98** | * |
| 1545 | G.I. pipes 15 mm dia | metre | **71.67** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 1546 | G.I. pipes 20 mm dia | metre | **92.14** | * |
| 1547 | G.I. pipes 25 mm dia | metre | **102.38** | * |
| 1548 | G.I. pipes 32 mm dia | metre | **134.95** | * |
| 1549 | G.I. pipes 40 mm dia | metre | **172.18** | * |
| 1550 | G.I. pipes 50 mm dia | metre | **204.76** | * |
| 1551 | G.I. pipes 65 mm dia | metre | **274.56** | * |
| 1552 | G.I. pipes 80 mm dia | metre | **372.29** | * |
| 1555 | G.I. back (jam) nuts 25 mm dia | each | **7.45** | * |
| 1559 | G.I. back (jam) nuts 65 mm dia | each | **18.61** | * |
| 1608 | G.I. tees (equal) 25 mm | each | **37.23** | * |
| 1612 | G.I. tees (equal) 65 mm | each | **232.68** | * |
| 1614 | G.I. inlet connection | each | **55.84** | * |
| 1616 | S.C.I. soil, waste and vent single socketed pipe1.80 metres long: 75mm dia | each | **884.19** | * |
| 1617 | S.C.I. soil, waste and vent single socketed pipe1.80 metres long:100mm dia | each | **1070.33** | * |
| 1618 | S.C.I. soil, waste and vent single socketed pipe1.80 metres long: 150mm dia | each | **1628.77** | * |
| 1620 | S.C.I. plain bend 75 mm dia | each | **158.22** | * |
| 1621 | S.C.I. plain bend 100 mm dia | each | **325.75** | * |
| 1622 | S.C.I. plain bend 150 mm dia | each | **372.29** | * |
| 1624 | S.C.I. bend with access door 75 mm dia | each | **186.14** | * |
| 1625 | S.C.I. bend with access door 100 mm dia | each | **234.54** | * |
| 1627 | S.C.I. plain single equal junctions 75x75x75 mm dia | each | **246.64** | * |
| 1628 | S.C.I. plain single equal junctions 100x100x100 mm dia | each | **418.83** | * |
| 1630 | S.C.I. single equal junctions75x75x75 mm dia with access door | each | **258.74** | * |
| 1631 | S.C.I. single equal junctions 100x100x100 mm dia with access door | each | **349.95** | * |
| 1633 | S.C.I. plain double equal junctions 75x75x75x75 mm dia | each | **322.03** | * |
| 1634 | S.C.I. plain double equal junctions100x100x100x100 mm dia | each | **483.98** | * |
| 1636 | S.C.I. double equal junctions75x75x75x75 mm dia with access door | each | **395.56** | * |
| 1637 | S.C.I. double equal junctions 100x100x100x100 mm dia with access door | each | **511.90** | * |
| 1639 | Slotted cowl (terminal guard) 75 mm dia | each | **140.54** | * |
| 1640 | Slotted cowl (terminal guard) 100 mm dia | each | **176.84** | * |
| 1641 | G.I. Union 15 mm nominal bore | each | **27.92** | * |
| 1642 | G.I. Union 20 mm nominal bore | each | **46.54** | * |
| 1643 | G.I. Union 25 mm nominal bore | each | **74.46** | * |
| 1644 | G.I. Union 32 mm nominal bore | each | **102.38** | * |
| 1645 | G.I. Union 40 mm nominal bore | each | **148.92** | * |
| 1646 | G.I. Union 50 mm nominal bore | each | **186.14** | * |
| 1647 | G.I. Union 65 mm nominal bore | each | **372.29** | * |
| 1648 | G.I. Union 80 mm nominal bore | each | **437.44** | * |
| 1649 | Polyethylene water storage tank with cover and suitable locking arrangement | pair litre | **4.93** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 1653 | Sand cast iron S&S plain single unequal junctions : 100x100x75 mm dia | each | **344.37** | * |
| 1656 | Sand cast iron S&S single unequal junctions: 100x100x75 mm dia with access door | each | **372.29** | * |
| 1659 | Sand cast iron S&S plain double unequal junctions : 100x100x75x75 mm dia | each | **511.90** | * |
| 1662 | Sand cast iron S&S double unequal junctions: 100x100x75x75 mm dia with access door | each | **511.90** | * |
| 1666 | Sand cast iron heel rest bend 75 mm dia | each | **204.76** | * |
| 1667 | Sand cast iron heel rest bend 100 mm dia | each | **232.68** | * |
| 1669 | S.C.I. single equal invert branch of required degree75x75x75 mm dia | each | **297.83** | * |
| 1670 | S.C.I. single equal invert branch of required degree 100x100x100 mm dia | each | **381.60** | * |
| 1672 | S.C.I. double equal invert branch of required degree 75x75x75x75 mm dia | each | **381.60** | * |
| 1673 | S.C.I. double equal invert branch of required degree 100x100x100x100 mm dia | each | **511.90** | * |
| 1674 | S.C.I. single unequal invert branch of required degree100x100x75 mm dia | each | **460.71** | * |
| 1677 | S.C.I. double unequal invert branchof required degree 100x100x75x75 mm dia | each | **530.51** | * |
| 1682 | S.C.I. door pieces 75 mm dia | each | **255.95** | * |
| 1683 | S.C.I. door pieces 100 mm dia | each | **372.29** | * |
| 1685 | S.C.I. collar 75 mm dia | each | **85.63** | * |
| 1686 | S.C.I. collar 100 mm dia | each | **128.44** | * |
| 1687 | Unplasticised P.V.C. connection pipe with brass union 30 cm long 15 mm bore | each | **27.92** | * |
| 1688 | Unplasticised P.V.C. connection pipe with brass union 30 cm long 20 mm bore | each | **32.58** | * |
| 1689 | Unplasticised P.V.C. connection pipe with brass union 45 cm long 15 mm bore | each | **32.58** | * |
| 1690 | Unplasticised P.V.C. connection pipe with brass union 45 cm long 20 mm bore | each | **44.67** | * |
| 1693 | S.C.I. hand pump | each | **623.58** | * |
| 1700 | R.C.C. pipes NP2 class 100 mm dia | metre | **186.14** | * |
| 1701 | R.C.C. pipes NP2 class 150 mm dia | metre | **195.45** | * |
| 1702 | R.C.C. pipes NP2 class 250 mm dia | metre | **241.99** | * |
| 1703 | R.C.C. pipes NP2 class 300 mm dia | metre | **279.22** | * |
| 1704 | R.C.C. pipes NP2 class 450 mm dia | metre | **372.29** | * |
| 1705 | R.C.C. pipes NP2 class 500 mm dia | metre | **539.82** | * |
| 1706 | R.C.C. pipes NP2 class 600 mm dia | metre | **856.27** | * |
| 1707 | R.C.C. pipes NP2 class 700 mm dia | metre | **977.26** | * |
| 1709 | R.C.C. pipes NP2 class 800 mm dia | metre | **1088.95** | * |
| 1710 | R.C.C. pipes NP2 class 900 mm dia | metre | **1191.33** | * |
| 1711 | R.C.C. pipes NP2 class 1000 mm dia | metre | **1479.85** | * |
| 1712 | R.C.C. pipes NP2 class 1100 mm dia | metre | **1745.11** | * |
| 1713 | R.C.C. pipes NP2 class 1200 mm dia | metre | **1560.82** | * |
| 1714 | R.C.C. pipes NP2 class 100 mm dia | each | **27.92** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 1715 | R.C.C. pipes NP2 class 150 mm dia | each | **32.58** | * |
| 1716 | R.C.C.collars NP2 class 250 mm dia | each | **46.54** | * |
| 1717 | R.C.C.collars NP2 class 300 mm dia | each | **51.19** | * |
| 1718 | R.C.C.collars NP2 class 450 mm dia | each | **93.07** | * |
| 1719 | R.C.C. collars NP2 class 500 mm dia | each | **107.03** | * |
| 1720 | R.C.C.collars NP2 class 600 mm dia | each | **130.30** | * |
| 1721 | R.C.C. collars NP2 class 700 mm dia | each | **139.61** | * |
| 1723 | R.C.C.collars NP2 class 800 mm dia | each | **186.14** | * |
| 1724 | R.C.C. collars NP2 class 900 mm dia | each | **218.72** | * |
| 1725 | R.C.C. collars NP2 class 1000 mm dia | each | **260.60** | * |
| 1726 | R.C.C. collars NP2 class 1100 mm dia | each | **279.22** | * |
| 1727 | R.C.C. collars NP2 class 1200 mm dia | each | **325.75** | * |
| 1728 | RCC pipe 450 mm dia NP-3 spigot | metre | **1392.36** | * |
| 1729 | RCC pipe 600 mm dia NP-3 spigot | metre | **1856.79** | * |
| 1730 | RCC pipe 900 mm dia NP-3 spigot | metre | **2931.78** | * |
| 1731 | RCC pipe 1000 mm dia NP-3 spigot | metre | **3615.86** | * |
| 1732 | RCC pipe 1200 mm dia NP-3 spigot | metre | **4690.85** | * |
| 1733 | RCC pipe 1800 mm dia NP-3 spigot | metre | **8795.34** | * |
| 1734 | RCC pipe 450 mm dia NP-4 spigot | metre | **1612.94** | * |
| 1735 | RCC pipe 600 mm dia NP-4 spigot | metre | **2149.97** | * |
| 1736 | RCC pipe 900 mm dia NP-4 spigot | metre | **4182.67** | * |
| 1737 | RCC pipe 1000 mm dia NP-4 spigot | metre | **5179.48** | * |
| 1738 | RCC pipe 1200 mm dia NP-4 spigot | metre | **6059.01** | * |
| 1739 | RCC pipe 1800 mm dia NP-4 spigot | metre | **12704.37** | * |
| 1854 | Stoneware pipes grade A (60 cm long) 100 mm dia | each | **46.54** | * |
| 1855 | Stoneware pipes grade A (60 cm long) 150 mm dia | each | **74.46** | * |
| 1856 | Stoneware pipes grade A (60 cm long) 200 mm dia | each | **102.38** | * |
| 1857 | Stoneware pipes grade A (60 cm long) 230 mm dia | each | **158.22** | |
| 1858 | Stoneware pipes grade A (60 cm long) 250 mm dia | each | **195.45** | * |
| 1859 | Stoneware pipes grade A (60 cm long) 300 mm dia | each | **223.37** | * |
| 1863 | Fire clay kitchen sink: 600x450x250 mm | each | **1209.94** | * |
| 1871 | White vitreous china laboratory sink450x300x150 mm | each | **763.19** | * |
| 1872 | White vitreous china laboratory sink600x450x200 mm | each | **1419.35** | * |
| 1875 | White plastic seat (solid)with lid C.P.brass hinges and rubber buffers | each | **307.14** | * |
| 1876 | Black plastic seat (solid) with lid C.P.brass hinges and rubber buffers | each | **288.52** | * |
| 1878 | Shower rose C.P.brass for 15 to 20 mm inlet 100 mm dia | each | **46.54** | * |
| 1879 | Shower rose C.P.brass for 15 to 20 mm inlet 150 mm dia | each | **55.84** | * |
| 1880 | Dismantled P or S trap scrap (approx wt 2kg) | kilogram | **20.48** | * |
| 1881 | Spun yarn | kilogram | **46.54** | * |
| 1882 | Strainer brass 40 mm dia 1.5 metre long | each | **558.43** | * |
| 1885 | 15 mm C.P.brass tap | each | **195.45** | * |
| 1889 | C.P.brass toilet paper holder of standard size | each | **172.18** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 1890 | Centrifugally SCI(spun) S & S P or S trap | each | **279.22** | * |
| 1891 | C.I. trap for standard urinal with vent arm with operating and other couplings in C.P.brass: 50 mm dia | each | **158.22** | * |
| 1893 | C.I. trap for standard urinal with vent arm with operating and other couplings in C.P.brass: 80 mm dia | each | **209.41** | * |
| 1895 | C.P.brass trap40 mm dia | each | **232.68** | * |
| 1896 | 100 mm S.C.I. trap with vent heel | each | **293.18** | * |
| 1897 | 100 mm S.C.I. trap with 100 mm inlet and 100 mm outlet | each | **255.95** | * |
| 1898 | 100 mm S.C.I. trap with 100 mm inlet and 75 mm outlet | each | **202.90** | * |
| 1900 | S.W. gully trap P type 100x100 mm | each | **83.77** | * |
| 1902 | S.W. gully trap P type 150x100 mm | each | **120.99** | * |
| 1904 | S.W. gully trap P type 180x150 mm | each | **209.41** | * |
| 1913 | Vitreous china lipped front urinal | each | **428.13** | * |
| 1915 | Vitreous china squatting plate urinal | each | **980.05** | * |
| 1922 | H.P. or L.P. ball valve with polythene floats: 15 mm dia | each | **195.45** | * |
| 1923 | H.P. or L.P. ball valve with polythene floats: 20 mm dia | each | **218.72** | * |
| 1924 | H.P. or L.P. ball valve with polythene floats: 25 mm dia | each | **214.07** | * |
| 1927 | Brass full way valve with C.I. wheel (screwed end) 25 mm dia | each | **325.75** | * |
| 1928 | Brass full way valve with C.I. wheel (screwed end) 32 mm dia | each | **381.60** | * |
| 1929 | Brass full way valve with C.I. wheel (screwed end) 40 mm dia | each | **446.75** | * |
| 1930 | Brass full way valve with C.I. wheel (screwed end) 50 mm dia | each | **577.05** | * |
| 1931 | Brass full way valve with C.I. wheel (screwed end) 65 mm dia | each | **1005.18** | * |
| 1932 | Brass full way valve with C.I. wheel (screwed end) 80 mm dia | each | **1507.77** | * |
| 1933 | Gunmetal non-return valve-horizontal (screwed end) 25 mm dia | each | **307.14** | * |
| 1934 | Gunmetal non-return valve-horizontal (screwed end) 32 mm dia | each | **418.83** | * |
| 1935 | Gunmetal non-return valve-horizontal (screwed end) 40 mm dia | each | **521.21** | * |
| 1936 | Gunmetal non-return valve-horizontal (screwed end) 50 mm dia | each | **763.19** | * |
| 1937 | Gunmetal non-return valve-horizontal (screwed end) 65 mm dia | each | **1386.78** | * |
| 1938 | Gunmetal non-return valve-horizontal (screwed end) 80 mm dia | each | **1973.13** | * |
| 1940 | C.I.sluice valve (with caps) class I : 100 mm dia | each | **2243.04** | * |
| 1941 | C.I.sluice valve (with caps) class I : 125 mm dia | each | **2419.88** | * |
| 1942 | C.I.sluice valve (with caps) class I : 150 mm dia | each | **3350.60** | * |
| 1943 | C.I.sluice valve (with caps) class I : 200 mm dia | each | **6980.43** | * |
| 1944 | C.I.sluice valve (with caps) class I : 250 mm dia | each | **10219.34** | * |
| 1945 | C.I.sluice valve (with caps) class I : 300 mm dia | each | **14426.21** | * |
| 1947 | Vitreous china flat back wash basin 630x450 mm | each | **674.77** | * |
| 1949 | Vitreous china angle back wash basin 600x480 mm | each | **674.77** | * |
| 1950 | Vitreous china angle back wash basin 400x400 mm | each | **395.56** | * |
| 1951 | C.P. brass waste 32 mm | each | **74.46** | * |
| 1952 | C.P. brass waste 40 mm | each | **88.42** | * |
| 1953 | Vitreous china Indian type w.c. pan size 580 mm | each | **418.83** | * |
| 1954 | Vitreous china orrisa type w.c. pan size 580 mm | each | **725.96** | * |
| 1955 | Vitreous china pedestal type water closet | each | **651.51** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 1956 | Bolts and nuts 16 mm dia 60 mm long | each | **10.24** | * |
| 1957 | Bolts and nuts 16 mm dia 65 mm long | each | **11.17** | * |
| 1958 | Bolts and nuts 20 mm dia 65 mm long | each | **13.96** | * |
| 1959 | Bolts and nuts 20 mm dia 70 mm long | each | **15.82** | * |
| 1960 | Bolts and nuts 20 mm dia 75 mm long | each | **14.89** | * |
| 1961 | Bolts and nuts 20 mm dia 80 mm long | each | **16.75** | * |
| 1962 | Bolts and nuts 24 mm dia 85 mm long | each | **26.06** | * |
| 1963 | Bolts and nuts 24 mm dia 90 mm long | each | **29.78** | * |
| 1964 | Bolts and nuts 27 mm dia 100 mm long | each | **35.37** | * |
| 1965 | White vitreous china dual purpose closet (Anglo Indian W.C.) suitable for use as squatting pan or European type water closet as per manufacturer's specifications | each | **1209.94** | * |
| 1966 | Floor mounted white vitrous china double trap syphonic WC with 10 litre cistern and all fittings & fixtures,seat cover etc | each | **8841.87** | * |
| 1970 | Vitreous china foot rests 250x125x25 mm | pair | **93.07** | * |
| 1980 | Fly ash | cum | **7.45** | * |
| 1984 | Brick Tiles (300mm x 150mm x 50mm) | thousand | 5986.00 | ** |
| 1986 | Uraban Patna | thousand | 6247.00 | ** |
| A | For ,Bhagalpur,Saharasar,Darabhanga ,Muzaffarpur | thousand | 6274.00 | ** |
| B | For Purnea | thousand | 6563.00 | ** |
| C | For other places | thousand | 5986.00 | ** |
| D | Common burnt clay modular bricks class designation 12.5 | 1000 nos | 6247.00 | ** |
| 2200 | Carriage of Steam coal | tonne | 123.51 | * |
| 2201 | Carriage of Bricks | 1000 nos | **0.00** | * |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | **0.00** | * |
| 2203 | Carriage of Coarse sand | cum | **0.00** | * |
| 2204 | Carriage of Timber | cum | **123.51** | * |
| 2205 | Carriage of Steel | tonne | **96.07** | * |
| 2206 | Carriage of Stone aggregate 40 mm nominal size and above | cum | **0.00** | * |
| 2207 | Carriage of Brick tiles | 1000 nos | **0.00** | * |
| 2208 | Carriage of Lime | cum | **108.08** | * |
| 2209 | Carriage of Cement | tonne | **96.07** | * |
| 2211 | Carriage of Tar / Bitumen | tonne | **108.08** | * |
| 2215 | Carriage of Soling stone & masonry stone | cum | **127.15** | * |
| 2216 | Carriage of Stone blocks white & red sand stone & kota stone slab | tonne | **96.07** | * |
| 2224 | Carriage of S.W. pipes 100 mm dia | 100 metre | 144.11 | * |
| 2225 | Carriage of S.W. pipes 150 mm dia | 100 metre | 288.21 | * |
| 2226 | Carriage of S.W. pipes 200 mm dia | 100 metre | 480.34 | * |
| 2228 | Carriage of S.W. pipes 250 mm dia | 100 metre | 823.45 | * |
| 2229 | Carriage of S.W. pipes 300 mm dia | 100 metre | 1029.31 | * |
| 2241 | Carriage of Good earth | cum | 0.00 | * |
| 2242 | Carriage of Dump manure by mechanical transport upto 5 km lead | cum | 117.47 | * |
| 2260 | Carriage of Brick aggregate | cum | 0.00 | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 2261 | Carriage of Fine sand | cum | 0.00 | * |
| 2262 | Carriage of Flyash | cum | 108.08 | * |
| 2264 | Carriage of Rubbish | cum | 108.08 | * |
| 2265 | Carriage of Moorum | cum | 108.08 | * |
| 2266 | Carriage of Surkhi | cum | 108.08 | * |
| 2267 | Carriage of Stone dust | cum | 108.08 | * |
| 2268 | Carriage of Marble dust and/or marble chips | cum | 108.08 | * |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | **96.07** | * |
| 2272 | Carriage of Stainless Steel pipes below 100 mm dia | tonne | **96.07** | * |
| 2273 | Carriage of A.C.sheet and accessories | tonne | **96.07** | * |
| 2275 | Carriage of R.C.C. pipes 100 mm dia | 100 metre | **236.24** | * |
| 2281 | Carriage of R.C.C. pipes 150 mm dia | 100 metre | **393.73** | * |
| 2287 | Carriage of R.C.C. pipes 250 mm dia | 100 metre | **910.13** | * |
| 2290 | Carriage of R.C.C. pipes 300 mm dia | 100 metre | **1124.93** | * |
| 2299 | Carriage of R.C.C. pipes 450 & 500 mm dia | 100 metre | **2624.84** | * |
| 2302 | Carriage of G.I. sheet and accessories | tonne | **96.07** | * |
| 2303 | Carriage of R.C.C. pipes 600,700,750 & 800 mm dia | 100 metre | **3937.25** | * |
| 2308 | Carriage of Plaster of paris | tonne | **96.07** | * |
| 2309 | Carriage of Cast Iron fittings | tonne | **96.07** | * |
| 2311 | Carriage of Red bajri | cum | **108.08** | * |
| 2314 | Carriage of Barbed wire | tonne | **96.07** | * |
| 2317 | Carriage of Sludge | cum | **117.47** | * |
| 2319 | Carriage of Spun iron S & S pipes 100 mm dia | 100 metre | **236.24** | * |
| 2320 | Carriage of Spun iron S & S pipes 125 mm dia | 100 metre | **315.55** | * |
| 2321 | Carriage of Spun iron S & S pipes 150 mm dia | 100 metre | **393.73** | * |
| 2322 | Carriage of Spun iron S & S pipes 200 mm dia | 100 metre | **640.46** | * |
| 2323 | Carriage of Spun iron S & S pipes 250 mm dia | 100 metre | **910.13** | * |
| 2324 | Carriage of Spun iron S & S pipes 300 mm dia | 100 metre | **1124.93** | * |
| 2325 | Carriage of Spun iron S & S pipes 350 mm dia | 100 metre | **1574.90** | * |
| 2326 | Carriage of Spun iron S & S pipes 400 mm dia | 100 metre | **2147.59** | * |
| 2327 | Carriage of Spun iron S & S pipes 450 mm dia | 100 metre | **2624.84** | * |
| 2328 | Carriage of Spun iron S & S pipes 500 mm dia | 100 metre | **2624.84** | * |
| 2329 | Carriage of Spun iron S & S pipes 600mm dia | 100 metre | **3937.25** | * |
| 2330 | Carriage of C.I. pipes 500 mm dia | 100 metre | **2624.84** | * |
| 2331 | Carriage of R.C.C. pipes 900 mm dia | 100 metre | **5905.88** | * |
| 2332 | Carriage of R.C.C. pipes 1000 mm dia | 100 metre | **7874.51** | * |
| 2333 | Carriage of R.C.C. pipes 1100 mm dia | 100 metre | **7874.51** | * |
| 2334 | Carriage of R.C.C. pipes 1200 mm dia | 100 metre | **7874.51** | * |
| 2335 | Carriage of sand | cum | **0.00** | * |
| 2336 | Carriage of R.C.C. pipe above 1200 mm dia and upto 1800 mm dia | 100 metre | **7874.51** | * |
| 2341 | Carriage of Pig lead | tonne | **96.07** | * |
| 2342 | Carriage of Solvent / Diesel. | quintel | **10.81** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 2343 | Carriage of Ductile Iron pipes (k7) 100 mm dia | 100 metre | **236.24** | * |
| 2344 | Carriage of Cast iron pipes 150 mm dia | 100 metre | **393.73** | * |
| 2345 | Carriage of Cast iron pipes 200 mm dia | 100 metre | **640.46** | * |
| 2346 | Carriage of Cast iron pipes 250 mm dia | 100 metre | **910.13** | * |
| 2347 | Carriage of Cast iron pipes 300 mm dia | 100 metre | **1124.93** | * |
| 2348 | Carriage of Cast iron pipes 350 mm dia | 100 metre | **1574.90** | * |
| 2349 | Carriage of Cast iron pipes 400 mm dia | 100 metre | **2147.59** | * |
| 2350 | Carriage of Cast iron pipes 450 mm dia | 100 metre | **2624.84** | * |
| 2351 | Carriage of Cast iron pipes 500 mm dia | 100 metre | **2624.84** | * |
| 2352 | Carriage of Cast iron pipes 600 mm dia | 100 metre | **3937.25** | * |
| 2353 | Carriage of Cast iron pipes 700 mm dia | 100 metre | **3937.25** | * |
| 2355 | Carriage of Cast iron pipes 800 mm dia | 100 metre | **3937.25** | * |
| 2356 | Carriage of Cast iron pipes 900 mm dia | 100 metre | **5905.88** | * |
| 2357 | Carriage of Cast iron pipes 1000 mm dia | 100 metre | **7874.51** | * |
| 2391 | Strips-Aluminium fluted 3.15 mm thick and 150 mm wide | metre | **212.20** | * |
| 2392 | Strips-Aiuminium fluted 3.15 mm thick and 200 mm wide metre | metre | **300.62** | * |
| 2393 | 1 mm thick Stainless Steel Cover plate grade 304 | Kg | **255.95** | * |
| 2394 | Coupler 16 mm dia | each | **62.36** | * |
| 2395 | Coupler 20 mm dia | each | **81.90** | * |
| 2396 | Coupler 25 mm dia | each | **120.99** | * |
| 2397 | Coupler 28 mm dia | each | **178.70** | * |
| 2398 | Coupler 32 mm dia | each | **215.00** | * |
| 2399 | Complete Roof Joint of 100 mm | metre | **2606.03** | * |
| 2400 | Complete Roof Joint of 150 mm | metre | **2978.31** | * |
| 2401 | Complete Roof Joint of 200 mm | metre | **3722.89** | * |
| 2402 | Epoxy adhesive | kg | **139.61** | * |
| 2403 | Floor Joint of 100 mm | metre | **2885.24** | * |
| 2404 | Floor Joint of 150 mm | metre | **3722.89** | * |
| 2405 | Floor Joint of 200 mm | metre | **5025.91** | * |
| 2406 | Float glass sheet of nominal thickness 4 mm (weighing not less than 10 kg/sqm) | sqm | **266.19** | * |
| 2407 | Float Glass sheet of nominal thickness 5.5mm (weighing not less than 13.50 kg/sqm | sqm | **456.05** | * |
| 2408 | Float glass sheet of nominal thickness 8 mm (weight not less than 20.00 kg/sqm) | sqm | **563.09** | * |
| 2409 | Wall Joint of 100 mm | metre | **2233.74** | * |
| 2410 | Wall Joint of 150 mm | metre | **2606.03** | * |
| 2411 | Wall Joint of 200 mm | metre | **3164.46** | * |
| 2412 | Ply wood 5 ply with commercial ply on both faces 6 mm thick | sqm | **349.95** | * |
| 2413 | 12 mm commercial ply | sqm | **651.51** | * |
| 2414 | 18 mm thick block board with commercial ply veneering on both side | sqm | **733.41** | * |
| 2415 | 21mm thick clear toughened Laminated glass for fins with holes | sqm | **5584.34** | * |
| 2447 | Hollock bailies 125 mm diameter | metre | **32.58** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 2449 | Oxidised mild steel Pull bolt lock of size 85mmx42mm with screws bolts and washers complete | each | **51.19** | * |
| 2451 | Brass Cupboard lock 6 levers (best make of approved quality) 40 mm size | each | **48.40** | * |
| 2452 | Brass Cupboard lock 6 levers (best make of approved quality) 50 mm size | each | **74.46** | * |
| 2453 | Brass Cupboard lock 6 levers (best make of approved quality) 65 mm size | each | **79.11** | * |
| 2454 | Brass Cupboard lock 6 levers (best make of approved quality) 75 mm size | each | **93.07** | * |
| 2455 | Brass Hanging type door stopper 150 mm | each | **65.15** | * |
| 2456 | Hydraulic door closer tubular type aluminium die cast body with necessary accessories and screws complete | each | **282.01** | * |
| 2459 | Anodised Aluminium hanging type door stopper | each | **16.75** | * |
| 2464 | Anodised Aluminium pull boit lock (locking bolt) of size 85x42 mm with screws, bolts, nuts and washers complete | each | **41.88** | * |
| 2465 | Anodised Aluminium Casement stay 250 mm | each | **27.92** | * |
| 2466 | Hollock wood in scantling | 10 cud | **316.45** | * |
| 2467 | Chromium plated Brass Pull bolt lock (locking bolt) of size 85mm x 42mm with screws, bolts, nuts and washers complete | each | **153.57** | * |
| 2468 | Chromium Brass cupboard lock (Nickled) 40mm size | each | **52.12** | * |
| 2469 | Chromium Brass cupboard lock (Nickled) 50mm size | each | **61.43** | * |
| 2470 | Chromium Brass cupboard lock (Nickled) 65mm size | each | **83.77** | * |
| 2471 | Chromium Brass cupboard lock (Nickled) 75mm size | each | **107.03** | * |
| 2480 | PANELS Ply wood 5 ply with teak ply on both faces 9 mm thick | sqm | **751.09** | * |
| 2481 | Ply wood 5 ply with teak ply n one face and commercial ply on another face 9 mm thick | sqm | **791.11** | * |
| 2483 | Ply wood 7 ply with teak ply on one face and commercial ply on another face 9 mm thick | sqm | **884.19** | * |
| 2484 | Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587 | sqm | **428.13** | * |
| 2485 | Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 18 mm thick confirming to IS:14587 | sqm | **555.64** | * |
| 2486 | Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 25 mm thick confirming to IS:14587 | sqm | **800.42** | * |
| 2487 | Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 12 mm thick confirming to IS:14587 | sqm | **400.21** | * |
| 2488 | Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade - I MDF Board 18 mm thick confirming to IS:14587 | sqm | **521.21** | * |
| 2489 | PVC edge bending tape 2.00 mm thick | metre | **27.92** | * |
| 2491 | Pre laminated both side solid foam uPVC profile (45x20mm) | metre | **116.34** | * |
| 2492 | Solid foam uPVC sheet 20mm thick pre laminated on both side | sqm | **1931.25** | * |
| 2493 | PVC edge beading | metre | **27.92** | * |
| 2494 | Expandable fastner with plastic sleeve | each | **4.65** | * |
| 2500 | Extra for selected planks of second class deodar wood | 10 cud | **102.38** | * |
| 2504 | Kiln seasoning of timber | cum | **698.04** | * |
| 2505 | Hollock wood in planks | 10 cud | **362.98** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 2506 | Carben Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10 mm x 60 mm | 10 cudm | **241.99** | * |
| 2507 | Carben Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10 mm x 80 mm | 10 nos | **279.22** | * |
| 2508 | Carben Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10 mm x 120mm | 10nos | **339.71** | * |
| 2509 | Carben Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10 mm x 140 mm | 10 nos | **428.13** | * |
| 2510 | Carben Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade counter sunk head screw comprising of 10 mm dia polyamide PA 6 grade sleave. Size 10 mm x 160 mm | 10 Nos | **535.17** | * |
| 2602 | Designation 100 A Brick | thousand | **5010.00** | ** |
| 2602A | Urban Patna | thousand | 6276.00 | ** |
| 2602B | Darbhanga | thousand | 5296.00 | ** |
| 2602C | Bhagalpur | thousand | 5296.00 | ** |
| 2602D | Munger | thousand | 5296.00 | ** |
| 2602E | Muzaffarpur | thousand | 5296.00 | ** |
| 2602F | Gaya | thousand | 5010.00 | ** |
| 2602G | Patna Rural | thousand | 5225.00 | ** |
| 2602H | Saran | thousand | 5010.00 | ** |
| 2602I | Saharsa | thousand | 5440.00 | ** |
| 2602J | Purnea | thousand | 5728.00 | ** |
| 2603 | Designation 100 B Brick | thousand | **4578.00** | ** |
| 2603A | Urban Patna | thousand | 5825.00 | ** |
| 2603B | Darbhanga | thousand | 4864.00 | ** |
| 2603C | Bhagalpur | thousand | 4864.00 | ** |
| 2603D | Munger | thousand | 4864.00 | ** |
| 2603E | Muzaffarpur | thousand | 4864.00 | ** |
| 2603F | Gaya | thousand | 4578.00 | ** |
| 2603G | Patna Rural | thousand | 4775.00 | ** |
| 2603H | Saran | thousand | 4578.00 | ** |
| 2603I | Saharsa | thousand | 5010.00 | ** |
| 2603J | Purnea | thousand | 5296.00 | ** |
| 2604 | Weather/structural non sag elastomeric PU sealant (600ml Sausage) for joints in RCC/ Brick/ Stone/ wood/ Ceramic/ Gypsum/ Alluminium work complying to ASTM C920, DIN 18540-F & ISO 11600 incl all taxes | each | **495.14** | * |
| 2605 | Structural sealant - 6 mm x 12 mm | metre | **27.92** | * |
| 2606 | Spacer tape 6.4 mm thick x 6 mm wide | metre | **18.61** | * |
| 2607 | Weather Sealant - Non Staining (600 ml) | each | **390.90** | * |
| 2608 | Weather Sealant - Normal (300 ml) | each | **116.34** | * |
| 2609 | MS Brackets/Aluminium Alloy Brackets | kg | **93.07** | * |
| 2610 | Silicon Gasket in Kg (Above 50 g / m) | kg | **530.51** | * |
| 2611 | EPDM Gasket in Kg (Above 60 g / m) | kg | **139.61** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 2612 | Anchor Fastner - M10 | each | **9.31** | * |
| 2613 | SS Bolt with washer of sizes for structural glazing / ACP Cladding | each | **32.58** | * |
| 2614 | SS Screws of sizes for structural glazing / ACP Cladding | each | **3.72** | * |
| 2615 | Protective Tape | metre | **18.61** | * |
| 2616 | GI flashing - 1.2 mm Thick | kg | **53.98** | * |
| 2617 | 6 mm thick High performance glass | sqm | **1721.84** | * |
| 2618 | 6 mm thick clear heat strengthened glass | sqm | **595.66** | * |
| 2619 | 6 mm thick clear heat strengthened glass | each | **119.13** | * |
| 2620 | ARMS GS HD -TOP HUNG -20"-TYPE P-COUPLE | pair | **1442.62** | * |
| 2621 | Connection Block for vision glass panel | each | **36.30** | * |
| 2622 | Curtain wall striker for vision glass panel | each | **93.07** | * |
| 2623 | Adjustable Fastening Pawl for vision glass panel | each | **35.37** | * |
| 2624 | Corner drive | each | **274.56** | * |
| 2625 | Top wedge Block | each | **125.65** | * |
| 2626 | Glass wool Denisity 48 Kg / m3 with Black Glass Tissue (BGT) | sqm | **214.07** | * |
| 2627 | SS Screws - # 8 x 19 | each | **9.31** | * |
| 2628 | Weather Sealant - DC 789 | cartridge | **120.99** | * |
| 2629 | Cement Board | sqm | **232.68** | * |
| 2630 | Baker rod | metre | **4.65** | * |
| 2631 | 4 mm thick ACP | sqm | **930.72** | * |
| 2632 | Fire Stop | metre | **511.90** | * |
| 2634 | GI/Aluminium Sheet (0.8 mm thick) | kg | **41.88** | * |
| 2635 | GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section | each | **2.56** | * |
| 2636 | GI Screws of gauge 10, length 45 mm for fixing cement fibre board to C section | each | **2.79** | * |
| 2637 | Vapour barrier | sqm | **158.22** | * |
| 2640 | Clear.toughned interlayed,non-wired fire resistant glass panes of minimum 11 mm thickness (120 minutes fire rating) | sqm | **23268.09** | * |
| 2641 | G.I U beading of 1.6 mm thick G.I sheet with ceramic tape. | metre | **223.37** | * |
| 2642 | Ceramic tape 5 x20 mm size | metre | **372.29** | * |
| 2704 | Aluminium strip 40 mm wide and 2 mm thick | kilogran | **209.41** | * |
| 2708 | Truf Paver (500 x 500 x 40 mm) | sqm | **465.36** | * |
| 2709 | Ceremic Tiles Pieces for Crazy Flooring | quintal | **125.65** | * |
| 2710 | White Marble Makrana second quality plain veined stone pieces for crazy flooring | quintal | **136.82** | * |
| 2711 | FS800H Grade Flooring Panel ( Size 600 mm x600 mm x32 mm) | each | **698.04** | * |
| 2711' | Sheets Polyvinyl chloride sheet 1.5 mm thick | sqm | **458.48** | **** |
| 2712' | Sheets Polyvinyl chloride sheet 2.0 mm thick | sqm | **635.80** | **** |
| 2712 | Zinc Electroplated Pedestals - 300 mm | each | **130.30** | * |
| 2713 | Zinc Electroplated Pedestals - 450 mm | each | **186.14** | * |
| 2714 | Zinc Electroplated Tube Stinger | each | **61.43** | * |
| 2715 | Machine Screw for Fixing | each | **1.86** | * |
| 2717 | Polyvinyl chloride tiles 1 5mm thick | sqm | **522.96** | **** |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 2718 | Polyvinyl chloride tiles 2.0mm thick | sqm | **626.83** | **** |
| 2723 | Adhesive (rubber base) | ilogran | **170.14** | **** |
| 2736 | Sheets Rubber tiles plain conforming to IS 809 1.5 mm thick | sqm | **757.57** | **** |
| 2737 | Sheets Rubber tiles plain conforming to IS 809 2.0 mm .thick | sqm | **875.77** | **** |
| 2738 | Sheets Rubber tiles LP stud conforming to IS 809 2.0 mm thick | sqm | **757.57** | **** |
| 2739 | Sheets Rubber tiles LP stud conforming to IS 809 3.0 mm thick | sqm | **1296.65** | **** |
| 2740 | Sheets Rubber tiles LP stud conforming to IS 809 4.0 mm thick | sqm | **1719.31** | **** |
| 2741 | Sheets Anti static rubber tiles p!ain/LP stud conforming to BS : 2050 2.00 mm thick | sqm | **1404.11** | **** |
| 2742 | Sheets. Rubber tiles piain/LP stud in skirting conforming to IS : 809 2.0mm thick | sqm | **551.61** | **** |
| 2750 | 8mrn thick granite stone tiles (mirror polished of all shades) | sqm | **651.51** | * |
| 2751 | 8mm thick marble tiles (polished) Raj Nagar | sqm | **351.81** | * |
| 2901 | Stone Aggregate (Single size) : 100 mm nominal size | cum | 399.84 | ** |
| 2902 | Stone Aggregate (Single size) : 80 mm nominal size | cum | 399.84 | ** |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size | cum | 190.08 | ** |
| 2904 | Stone chippings/ screenings 150 micron nominal size | cum | 190.08 | ** |
| 2908 | Over burnt (Jhama) Brick Aggregate: 120 mm to 40 mm size | cum | 1233.60 | ** |
| 2909 | Over burnt (Jhama) Brick Aggregate: 90 mm to 40 mm size | cum | 1233.60 | ** |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size | cum | 649.26 | ** |
| 2911 | Stone chips/streining 10/11.2 mm nominal size | cum | 620.42 | ** |
| 2914 | Solvent | kilogram | **23.27** | * |
| 2916 | Paving Asphalt VG -10 of approved quality | tonne | **27549.41** | * |
| 3002 | Sheets Polyvinyl chloride sheet 400 micron thick | sqm | **37.23** | * |
| 3004 | Stoneware spouts 100mm dia 60 em long | each | **37.23** | * |
| 3050 | **GC Sheet** | | | |
| 3050A | Galvanised steel corrugated sheets 0.63 mm thick | quintal | 5576.27 | ** |
| 3050B | Galvanised steel corrugated sheets 0.50 mm thick | quintal | 5728.81 | ** |
| 3050C | Gah-anised steel corrugated sheets 0.40 mm thick | quintal | 7335.76 | ** |
| 3050D | Galvanised steel corrugated sheets 0.35 mm thick | quintal | 7548.23 | ** |
| 3050E | Galvanised steel corrugated sheets 0.80 mm thick | quintal | 5576.27 | ** |
| 3080 | Gunmetal non-return valve-vertical (screwed end) 25 mm dia | each | **325.75** | * |
| 3084 | Gunmetal non-return valve-vertical (screwed end) 32 mm dia | each | **465.36** | * |
| 3088 | Gunmetal non-return valve-vertical (screwed end) 40 mm dia | each | **651.51** | * |
| 3092 | Gunmetal non-return valve-vertical (screwed end) 50 mm dia | each | **837.65** | * |
| 3096 | Gunmetal non-return valve-vertical (screwed end) 65 mm dia | each | **1396.09** | * |
| 3213 | Vitreous china Surgeon type wash basin of size 660x460 mm | each | **930.72** | * |
| 3214 | Aluminium sheet 24 gauge | sqm | **313.42** | **** |
| 3228 | 600x120 mm glass shelf with anodised aluminium angle frame, C.P. brass brackets and guard rail of standard size | each | **232.68** | * |
| 3229 | Vitreous china flat back wash basin 550x400 mm | each | **511.90** | * |
| 3300 | Gunmetal non-return valve-vertical (screwed end) 80 mm dia | each | **2326.81** | * |
| 3311 | C.I.sluice valve (with caps) class II : 100 mm dia | each | **2512.95** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 3314 | C.I.sluice valve (with caps) class II : 125 mm dia | each | **2978.31** | * |
| 3317 | C.I.sluice valve (with caps) class II : 150 mm dia | each | **3722.89** | * |
| 3320 | C.I.sluice valve (with caps) class II : 200 mm dia | each | **8283.44** | * |
| 3321 | C.I.sluice valve (with caps) class II : 250 mm dia | each | **13495.49** | * |
| 3326 | C.I.sluice valve (with caps) class II : 300 mm dia | each | **16939.17** | * |
| 3327 | 15 mm Battery Based Sensor Pillar Cock | each | **5398.20** | * |
| 3617 | CP Brass Union 40 mm dia | each | **181.49** | * |
| 3620 | C.C.I.(spun) socketed soil, waste and vent pipe 1.80 metres long :100 mm dia | each | **1113.15** | * |
| 3621 | C.C.I. (spun) socketed soil, waste and vent pipe 1.80 metres long :75 mm dia | each | **963.30** | * |
| 3624 | S.C.I. S&S bends with access door 100 mm dia | each | **269.91** | * |
| 3625 | S.C.I. S&S bends with access door 75 mm dia | each | **223.37** | * |
| 3628 | S.C.I. S&S bend 100 mm dia | each | **246.64** | * |
| 3629 | S.C.I. S&S bend 75 mm dia | each | **181.49** | * |
| 3634 | S.C.I. S&S heel rest sanitary bend 100 mm dia | each | **275.49** | * |
| 3635 | S.C.I. S&S heel rest sanitary bend 75 mm dia | each | **232.68** | * |
| 3640 | S.C.I. S&S single equal junctions100x100x100 mm | each | **439.30** | * |
| 3641 | S.C.I. S&S single equal junctions 75x75x75 mm | each | **307.14** | * |
| **3644** | **S.C.I. S&S single equal junctions with access door 100x100x100 mm** | **each** | **460.71** | * |
| 3645 | S.C.I. S&S single equal junctions with access door 75x75x75 mm | each | **347.16** | * |
| 3650 | S.C.I. S&S double equal junctions 100x100x100x100 mm | each | **577.05** | * |
| 3651 | S.C.I. S&S double equal junctions 75x75x75x75 mm | each | **429.99** | * |
| 3654 | S.C.I. S&S double equal junctions with access door 100x100x100x100 mm | each | **572.39** | * |
| 3655 | S.C.I. S&S double equal junctions with access door 75x75x75x75 mm | each | **446.75** | * |
| 3660 | S.C.I. S&S single unequal junctions 100x100x75 mm | each | **530.51** | * |
| 3664 | S.C.I. S&S single unequal junctions with access door 100x100x75 mm | each | **595.66** | * |
| 3670 | S.C.I. S&S double unequal junctions 100x100x75x75 mm | each | **744.58** | * |
| 3674 | S.C.I. S&S double unequal junctions with access door 100x100x75x75 mm | each | **791.11** | * |
| 3681 | S.C.I. S&S single equal invert branch of required degree 100x100x75x75 mm dia | each | **395.56** | * |
| 3682 | S.C.I. S&S single equal invert branch of required degree 75x75x75 mm dia | each | **300.62** | * |
| 3685 | S.C.I. S&S double equal invert branch of required degree 100x100x100x100 mm dia | each | **493.28** | * |
| 3686 | S.C.I. S&S double equal invert branch of required degree 75x75x75x75 mm dia | each | **395.56** | * |
| 3690 | S.C.I. S&S single unequal invert branch of required degree 100x100x75 mm dia | each | **507.24** | * |
| 3695 | S.C.I. S&S double unequal invert branch of required degree 100x100x75x75 mm dia | each | **674.77** | * |
| 3699 | S.C.I. S&S, 75 mm offset for 75 mm dia pipe | each | **209.41** | * |
| 3707 | S.C.I. S&S, 150 mm offset for 75 mm dia pipe | each | **265.26** | * |
| 3708 | S.C.I. S&S, 150 mm offset for100 mm dia pipe | each | **362.98** | * |
| 3712 | S.C.I. S&S, 114 mm offset for 75 mm dia pipe | each | **279.22** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 3713 | S.C.I. S&S, 114 mm offset for 100 mm dia pipe | each | **356.47** | * |
| 3716 | S.C.I. S&S,152 mm offset for 75 mm dia pipe | each | **333.20** | * |
| 3717 | S.C.I. S&S, 152 mm offset for 100 mm dia pipe | each | **423.48** | * |
| 3728 | S.C.I. S&S, door pieces 100 mm dia | each | **372.29** | * |
| 3729 | S.C.I. S&S, door pieces 75 mm dia | each | **274.56** | * |
| 3733 | S.C.I. S&S, Slotted Cowl (Terminal Guard) 100 mm | each | **245.71** | * |
| 3734 | S.C.I. S&S, Slotted Cowl (Terminal Guard) 75 mm | each | **195.45** | * |
| 3738 | S.C.I. S&S, Slotted collars 100 mm | each | **259.67** | * |
| 3739 | S.C.I. S&S, Slotted collars 75mm | each | **158.22** | * |
| 3746 | S.C.I. S&S, 75 mm offset for 75 mm dia pipe | each | **202.90** | * |
| 3747 | S.C.I. S&S, 75 mm offset for100 mm dia pipe | each | **337.85** | * |
| 3749 | Vitreous china toilet paper holder of standard size | each | **93.07** | * |
| 3860 | 560 mm dia cover with frame (Heavy duty) | each | **8376.51** | * |
| 3861 | 561 mm dia cover without frame (Heavy duty) | each | **4653.62** | * |
| 3991 | Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series casement window/door frame, sash, mullion & small series sliding window frame | metre | **60.50** | * |
| 3992 | Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window/door frame, sash, mullion, big & small series sliding window frame | metre | **65.15** | * |
| 3993 | Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door sash | metre | **88.42** | * |
| 3994 | Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window / door sash | metre | **79.11** | * |
| 3995 | G.I fasteners 100 x 8 mm | each | **13.96** | * |
| 4001 | Stainless steel (Grade-304)hollow section round/square tubes | kg | **214.07** | * |
| 4002 | Stainless steel bolts/square bar and plates | kg | **111.69** | * |
| 4006 | Pressed steel door frames (mild steel sheet 1.25mm) profile 'B' | metre | **186.14** | * |
| 4007 | Pressed steel door frames (mild steel sheet 1.25mm) profile 'C | metre | **204.76** | * |
| 4008 | Pressed steel door frames (mild steel sheet 1.25mm) profile 'E' | metre | **232.68** | * |
| 4009 | Mild steel tubes, hot finished welded type | kilogram | **39.09** | * |
| 4010 | Mild steel tubes, hot finished seamless type | kilogram | **41.88** | * |
| 4011 | Mild steel tubes, electric resistant or induction butt welded | kilogram | **55.84** | * |
| 4012 | Circular C.I. Box for ceiling fan internal dia 140 mm, 73 mm height,toplid of 1.5mm thick MS sheet | each | **51.19** | * |
| 4013 | Pulleys 40 mm dia | each | **27.92** | * |
| 4014 | Steel doors and windows Ready made steel door with necessary hinges, lugs and glazing clips excluding other fittings and their fixing | sqm | **1936.98** | **** |
| 4201 | Aluminium primer | litre | **81.90** | * |
| 4202 | Primers Red Oxide Zinc Chromate primer | litre | **60.50** | * |
| 4203 | Copper Accetate | kilogram | **279.22** | * |
| 4204 | Hydrochloric Acid | kilogram | **32.58** | * |
| 4205 | Copper Chloride | kilogram | **260.60** | * |
| 4206 | Copper Nitrate | kilogram | **204.76** | * |
| 4207 | Ammonium Chloride | kilogram | **18.61** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 5001 | Oil / Fuel Mobil oil | litre | **228.03** | * |
| 5050 | SS pipe 304 grades with press fit technology as per JIS 3448 Standard 48.60 mm outer dia | metre | **632.89** | * |
| 5743 | Coloured inter locking C.C. paver Block | sqm | **465.36** | * |
| 6001 | White marble slab Makrana second quality plain veined 18mm thick | sqm | **1396.09** | * |
| 6007 | Pink marble slab plain 18mm thick | sqm | **630.10** | * |
| 6010 | Udaypur green marble slab plain 18 mm thick | sqm | **604.97** | * |
| 6019 | Black zebra marble slab piain 18 mm thick | sqm | **465.36** | * |
| 6501 | Local Sand (Fine) | cum | 117.66 | ** |
| 7001 | Brass 100 mm mortice latch & lock with 6 levers with out pair of handles | each | **204.76** | * |
| 7003 | Pair of Anodised Aluminium lever handles for 100 mm mortice latch and lock | each | **209.41** | * |
| 7004 | Vitreous china flat back wash basin 450x300 mm | each | **302.49** | * |
| 7005 | Vitreous china 10 litres low level cistern without fittings | each | **698.04** | * |
| 7006 | Vitreous china 10 litres low level cistern with fittings | each | **1209.94** | * |
| 7007 | Fly Ash Bricks as per IS 12894(2002) & IS 3425(I to IV) | per 1000 | 5156.00 | ** |
| 7008 | F.P.S.(non modular) clay fly ash bricks class designation 7.5 | 1,000nos | **3722.89** | * |
| 7009 | 12.5 mm thick tapered edge gypsum plain borad | sqm | **148.92** | * |
| 7010 | Galvanised Steel ceiling section (size 80x26x0.50 mm) | metre | **44.67** | * |
| 7011 | Galvanised Steel perimetre Channel (Size 20x27x30x0.50 mm) | metre | **21.41** | * |
| 7012 | Galvanised Steel intermediate Channel (Size 15x45x15x0.90 mm) | metre | **37.23** | * |
| 7013 | Galvanised Steel angle hanger (Celling angle) (Size 25x10x0.50 mm) | metre | **12.10** | * |
| 7014 | Galvanised Steel connecting clips (2.64 mm dia and 230 mm long GI wire) | each | **3.72** | * |
| 7015 | Galvanised Steel soffit cleat (Size 27x37x25x0.60 mm) | each | **2.79** | * |
| 7016 | Joint filler | kilogram | **25.13** | * |
| 7017 | Joint finisher | kilogram | **22.34** | * |
| 7018 | Joint tape roll | roll | **97.73** | * |
| 7019 | Dash fastner | each | **13.96** | * |
| 7020 | All drive screws(for gypsum board ) | 100 Nos. | **55.84** | * |
| 7021 | Primer (for gypsum uoard ) | litre | **67.94** | * |
| 7022 | Chloropyriphos 20 % E.C. Lindane 20% E.C. | litre | **148.92** | * |
| 7023 | Chromium plated orackets (Curtain rod) | each | **6.52** | * |
| 7024 | Acid proof cement | tonne | **7585.40** | * |
| 7025 | Self tapping pan head nickel coated mild steel screws of size 13 x 3.2 mm | 1000 nos. | **511.90** | * |
| 7026 | Fibre joint tape 50 mm wide (90 metre) roll | each roll | **158.22** | * |
| 7027 | M.S. Butt hinges 125x90x4 mm | ten | **102.38** | * |
| 7028 | 12.5 mm thick Fully Perforated gypsum board | sqm | **400.21** | * |
| 7029 | Galvanised wire mesh of average width of aperture 1.4 mm and romin31 dia. of wire 0.63 mm | sqm | **241.99** | * |
| 7030 | 12.5 mm thick tapered edge gypsum fire resistant board | sqm | **237.33** | * |
| 7031 | 12.5 mm thick tapered edge gypsum moisture resistant board | sqm | **265.26** | * |
| 7032 | Frosted glass sheet of nominal thickness 4mm (weighing not less than 10 kg/sqm) | sqm | **325.75** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 7033 | Nickle plated M.S. pipe 25 mm dia. | metre | **74.46** | * |
| 7034 | Nickle plated M.S. pipe 20 mm dia. | metre | **69.80** | * |
| 7035 | Nickle plated M.S. Brackets for curtain rod 20 mm | each | **6.52** | * |
| 7036 | Nickle plated M.S. Brackets for curtain rod 25 mm | each | **7.45** | * |
| 7040 | Oxidised mild steel screws 35 mm | 100 Nos. | **46.54** | * |
| 7042 | Mild steel conduit pipe (heavy type) ISI marked-20 mm dia. | metre | **40.95** | * |
| 7043 | Mild steel conduit pipe (heavy type) ISI marked-25 mm dia. | metre | **52.12** | * |
| 7044 | Rolling shutters of 80xO.90mm laths | sqm | **930.72** | * |
| 7045 | Rolling shutters of 80x1.2mm laths | sqm | **1023.80** | * |
| 7046 | Top cover of Rolling shutters 0.90mm thick | metre | **279.22** | * |
| 7047 | Top cover of Rolling shutters 1.20mm thick | metre | **297.83** | * |
| 7048 | Rawl plug 50 mm (designation 10 no.) | each | **9.31** | * |
| 7049 | Teak wood lipping of size 25x3mm in pelmets | metre | **13.96** | * |
| 7050 | PU Primer | sqm | **37.23** | * |
| 7051 | 40 mm (average) PU spray having 40-45 kg/m3 density | sqm | **391.83** | * |
| 7052 | GI wire netting 3/4" x 24 G | sqm | **25.13** | * |
| 7053 | 400 G polythene sheet | sqm | **13.96** | * |
| 7055 | Flat pressed 3 layer and graded particle board (medium density) Grade 1 conforming to IS : 3087 - 18 mm thick | sqm | **409.52** | * |
| 7056 | Aluminium Tee channel (heavy duty) with rollers and stop end | metre | **48.40** | * |
| 7059 | Aluminium hanging floor door stopper with twin rubber & stopper | each | **25.13** | * |
| 7060 | Hydraulic door closer tubular type Aluminium extruded section body - Gazel | each | **261.53** | * |
| 7063 | Oxidised M.S. casement stay (straight peg type) 300 mm not less than 0.33 kg. | each | **18.61** | * |
| 7064 | Oxidised M.S. casement stay (straight peg type) 250 mm not less than 0.28 kg. | each | **15.82** | * |
| 7065 | Oxidised M.S. casement stay (straight peg type) 200 mm not less than 0.24 kg. | each | **13.03** | * |
|  | Extra for providing grilled rolling shutters with 8mm dia. M.S. | sqm | **251.30** | * |
| 7068 | Chequerred precast cement concrete tiles 22mm thick using marble chips of size 6mm Light shade using white cement | sqm | **335.06** | * |
| 7071 | White marble Raj Nagar plain 18 mm thick upto 0.50 sqm area | sqm | **558.43** | * |
| 7072 | Wall mounted water closet | each | **4327.86** | * |
| 7073 | Adjustable Vetrious China Cistern with fittings | each | **1861.45** | * |
| 7074 | White Vetrious China Waterless Urinal of size 600x330x315 | each | **9404.96** | * |
| 7075 | Cistern with fittings for Waterless Urinal | each | **2233.74** | * |
| 7076 | Battery based infrared sensor operated White vitreous urinalof appox size 610x390x370 | each | **3722.89** | * |
| 7077 | Acid and alkali resistant tiles size 300x300mm 10mm thick | ten | **418.83** | * |
| 7087 | S.C.I. Tee 150 mm | each | **558.43** | * |
| 7090 | Expanded polystyrene type N - Normal | sqm | **120.99** | * |
| 7091 | Expanded polystyrene type SE | sqm | **144.26** | * |
| 7095 | Stainless steel kitchen sink - with drain board bowl depth 250 mm | each | **2419.88** | * |
| 7096 | Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 225 mm. | each | **2187.20** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 7097 | Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 200 mm. | each | **2140.66** | * |
| 7098 | Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth178 mm. | each | **2094.13** | * |
| 7101 | Stainless steel kitchen sink - without drain board 610x510 mm bowl depth 200 mm | each | **1396.09** | * |
| 7102 | Stainless steel kitchen sink - without drain board 610x460 mm bowl depth 200 mm | each | **1163.40** | * |
| 7103 | Stainless steel kitchen sink - without drain board 470x420 mm bowl depth 178 mm | each | **1023.80** | * |
| 7104 | Coloured Orissa pattern W.C. pan 580x440 mm | each | **912.11** | * |
| 7105 | Coloured Pedestal type W.C. pan 580x440 mm (European type) | each | **837.65** | * |
| 7106 | Coloured Vitreous china 10 lit. low level cistern | each | **1023.80** | * |
| 7107 | Coloured (other than black) solid P.V.C. seat in European W.C. pan | each | **376.94** | * |
| 7112 | Circular shape 450 mm dia Mirror with Plastic moulded frame | each | **418.83** | * |
| 7113 | Rectangular shape 453x357 mm Mirror with Plastic moulded frame | each | **279.22** | * |
| 7114 | Oval shape 450x350 mm (outer dimensions) Mirror with Plasticmoulded frame | each | **325.75** | * |
| 7115 | Rectangular shape 1500x450 mm Mirror with Plastic moulded frame | each | **651.51** | * |
| 7116 | Hard board 6 mm thick | each | **111.69** | * |
| 7117 | Semi Rigid PVC waste pipe for sink and wash basin 32 mm dia with length not less than 700 mm i/c PVC waste fittings | each | **27.92** | * |
| 7118 | Semi Rigid PVC waste pipe for sink and wash basin40 mm dia with length not less than 700 mm i/c PVC waste fittings | each | **32.58** | * |
| 7119 | Flexible (coil shaped) PVC waste pipe for sink and wash basin 32 mm dia with length not less than 700 mm i/c PVC waste fittings | each | **26.06** | * |
| 7120 | Flexible (coil shaped) PVC waste pipe for sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings | each | **27.92** | * |
| 7121 | Bottle Trap | each | **604.97** | * |
| 7122 | CP Brass Single lever telephonic wall mixer of approved make | each | **3722.89** | * |
| 7123 | Coloured High density polyethylene/ poly propylene 10 lit. (full flush) capacity controlled low level flushing cistern with fittings | each | **502.59** | * |
| 7126 | White Vitreous china 10 lit. (full flush) capacity controlled low levelflushing cistern with all fittings | each | **744.58** | * |
| 7127 | Coloured Vitreous china 10 lit. (full flush) capacity controlled low level flushing cistern with all fittings | each | **1116.87** | * |
| 7128 | S.W. intercepting trap 100 mm dia | each | **176.84** | * |
| 7129 | S.W. intercepting trap 150 mm dia | each | **232.68** | * |
| 7130 | Rectangular shape 600x 450 mm precast R.C.C. manhole cover with frame - L.D. - 25 | each | **651.51** | * |
| 7131 | Square shape 450x450 mm precast R.C.C. manhole cover with frame - L.D. - 25 | each | **558.43** | * |
| 7132 | Circular shape 450 mm dia precast R.C.C. manhole cover with frame - L.D. - 25 | each | **558.43** | * |
| 7133 | Rectangular shape 500x500 mm precast R.C.C. manhole cover with frame - M.D. - 10 | each | **651.51** | * |
| 7134 | Circular shape 500 mm dia precast R.C.C. manhole cover with frame - M.D. - 10 | each | **558.43** | * |
| 7135 | Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20 | each | **856.27** | * |
| 7136 | Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 35 | each | **1140.14** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 7137 | Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS I S : 1995 and panels of 12 mm thick plain Type I, medium density flat pressed three l?ver, graded particle board (FPT-I) as per I S:3087-1985 bonded with BWP type synthetic resin adhesive, as per IS : 848-1974 | sqm | 1582.23 | * |
| 7139 | Factory made 35 mm thick shutters with lamineted veneer lumber styles rails as per TADS IS : 1995 and panels of 12 mm thick both sides prelaminated Type -1, medium density flat pressed three layer, graded particle board (FPT-I) IS: 3087 marked bonded with BWP type synthetic resin adhesive as per IS : 848-1974 . | sqm | **1675.30** | * |
| 7143 | 12 mm thick one side prelaminated Type - I, other side balancing lamination, medium density, flat pressed three layer, graded particle board (FPT-I) as per IS : 3087, bonded with BWP type synthetic resin as per IS : 848-1974 35 mm thick shutters | sqm | **1861.45** | * |
| 7151 | Sheet glass using 10 kg I sqm glass panes 30 mm thick shutters | sqm | **1582.23** | * |
| 7154 | Using galvanised wire gauge with average width of aperture 1.4 mm on both direction with wire of dia. 0.63 mm 35 mm thick shutters | sqm | **1582.23** | * |
| 7155 | Using galvanised wire gauge with average width of aperture 1.4 mm on both direction with wire of dia. 0.63 mm 30 mm thick shutters | sqm | **1396.09** | * |
| 7157 | Using galvanised wire gauge with average width of aperture 1.4 [Tim on both direction with wire of dia. 0.63 mm Laminated veneer lumber conforming to TAOS 15 : 1995 manufactured in factory in frames of door, windows | 10 cudm | 679.43 | * |
| 7178 | Chemical ASTMC-type I | kg | **102.38** | * |
| **7181** | **C.I. pile shoe** | **kilogram** | **46.54** | * |
| 7182 | M.S. clamps for pile shoe | kilogram | **41.88** | * |
| 7183 | Bentonite | tonne | **2885.24** | * |
| 7184 | Oxidised M.S. safety chain (weighing not less than 450 gms) for each door | each | **55.84** | * |
| 7187 | C.I. grating 150 mm dia. (Weighing not less than 440 gm) | each | **26.06** | * |
| 7188 | U-PVC pipes (working pressure 4 kg/cm$^2$) Single socketed ipe 75 mm dia | metre | **67.01** | * |
| 7189 | U-PVC pipes (working pressure 4 kg/cm$^2$) Single socketed ipe 110 mm dia. | metre | **125.65** | * |
| 7190 | U-PVC pipes (working pressure 4 kg/cm$^2$) Rubber (Seal) Ring 75 mm dia . | metre | **7.45** | * |
| 7191 | U-PVC pipes (working pressure 4 kg/cm$^2$) Rubber (Seal ) Ring 110 mm dia . | metre | **11.17** | * |
| 7192 | UPVC coupler for UPVC drainage pipes 75 mm | each | **17.68** | * |
| 7193 | UPVC coupler for UPVC drainage pipes 110 mm | each | **38.16** | * |
| 7194 | UPVC pushfit coupler (single) 75 mm thick | each | **17.68** | * |
| 7195 | UPVC pushfit coupler (single) 110 mm thick | each | **31.64** | * |
| 7196 | UPVC single equal Tee ( with door) 75x75x75 mm | each | **44.67** | * |
| 7197 | UPVC single equal Tee (with door) 110x110x110 mm | each | **79.11** | * |
| 7198 | UPVC single equal Tee ( with door) 75x75x75 mm | each | **57.70** | * |
| 7199 | UPVC single equal Tee ( with door) 110x110x110 mm | ecch | **90.28** | * |
| 7208 | UPVC bend 87.50 75 mm bend | each | **34.44** | * |
| 7209 | UPVC bend 87.50 110 mm bend | each | **57.70** | * |
| 7212 | UPVC plain shoe 75 mm | each | **26.06** | * |
| 7213 | UPVC plain shoe 110 mm | each | **45.61** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 7214 | UPVC pipe clip 75 mm bend | each | **14.89** | * |
| 7215 | UPVC pipe clip 110 mm bend | each | **13.96** | * |
| 7231 | Resin Bonded Glass wool 16 kg/m3, 50mm thick | sqm | **97.73** | * |
| 7232 | Resin Bonded Glass wool 24 kg/m3, 50mm thick | sqm | **139.61** | * |
| 7233 | Bitumen felt fibre base (vegetable or animal) Fibre glass tissue reinforced bitumen Felt Type 2 grade I conforming to IS : 7193 | sqm | **80.04** | * |
| 7236 | Precast chequered cement tiles 22mm thick dark shade using ordinary cement | sqm | **218.72** | * |
| 7237 | Precast chequered cement tiles 22mm thick medium shade using 50% white cement, 50% ordinary cement | sqm | **325.75** | * |
| 7238 | High Albedo paint | kg | **206.66** | * |
| 7239 | Epoxy paint | litre | **206.66** | * |
| 7240 | Fire retardant paint | litre | **231.64** | * |
| 7241 | Melamine polish | litre | **269.91** | * |
| 7244 | Table rubbed polished stone 18mm thick (75x50 cm) Agaria marble stone - 18 mm thick | sqm | **1582.23** | * |
| 7245 | Table rubbed polished stone 18mm thick (75x50 cm) Granite stone 18 mm thick | sqm | **1582.23** | * |
| 7246 | Verticle load testing (INITIAL) of piles in accordance with IS : 2911 (part-IV) including installation of loading platform and prepration of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & Upto 50 tonne capacity pile | per test | **30900.02** | * |
| 7247 | Verticle load testing (INITIAL) of piles in accordance with IS : 2911 (part-IV) including installation of loading platform and prepration of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & Above 50 tonne & upto 100 tonne capacity pile: | per test | **37508.15** | * |
| 7248 | Verticle load testing (INITIAL) of piles in accordance with IS : 2911 (part-IV) including installation of loading platform and prepration of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & Group of two more piles Upto 50 tonne capacity piles. | per test | **45140.09** | * |
| 7249 | Cyclic vertical load testing of piles in accordance with IS: 2911 IV part including preparation of pile head etc. for Single piles Upto 50 tonne capacity tonne | per test | **13960.85** | * |
| 7250 | Cyclic vertical load testing of piles in accordance with IS: 2911 IV part including preparation of pile head etc. for Single piles Above 50 tonne capacity pile and upto 100 tonne capacity piles | per test | **21406.64** | * |
| 7251 | Cyclic vertical load testing of piles in accordance with IS : 2911 Part- IV) including preparation of pile head etc. for Group of two piles up to 50 tonne capacity each | per test | **27456.34** | * |
| 7252 | Lateral load testing of singie pile in accordance with iS: 2911 Part - IV for determining safe allowable lateral load on pile. Upto 50 tonne capacity pile | per test | **13960.85** | * |
| 7253 | Lateral load testing of single pile in accordance with IS: 2911 Part - IV for determining safe allowable lateral load on pile. Above 50 tonne capacity piie and upto 100 tonne capacity piles | per test | **21965.07** | * |
| 7254 | Hard crete compound | litre | **37.23** | * |
| 7255 | Road marking paint (spirit based) | litre | **103.33** | * |
| 7256 | Superior quality road marking paint | litre | **120.55** | * |
| 7257 | C.P. Brass bibcock 15 mm | each | **279.22** | * |
| 7258 | C.P. Brass long nose bibcock 15 mm | each | **418.83** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 7259 | C.P. Brass long body bibcock 15 mm | each | **372.29** | * |
| 7260 | C.P. Brass stop cock (concealed) 15 mm | each | **418.83** | * |
| 7261 | C.P. Brass angle valve 15 mm | each | **362.98** | * |
| 7266 | Pressed clay tiles | 1000 nos. | **8376.51** | * |
| 7267 | Plain ceiling tiles (BWP type phenol formal dehyde synthetic resin bonded) (600x600x12mm) | each | **111.69** | * |
| 7268 | Semi perforated ceiling tiles (600x600x12mm) | each | **104.24** | * |
| 7269 | 25 mm thick particle board | sqm | **446.75** | * |
| 7270 | 30mm thick pre laminated flush door shutter | sqm | **791.11** | * |
| 7271 | IInd class teak wood lipping 25mm wide x 12mm thick | metre | **27.92** | * |
| 7272 | 25 mm thick melamine faced prelaminated three layer particle board | sqm | **874.88** | * |
| 7273 | Resin Bonded Rockwool 48 kg/m3 | sqm | **116.34** | * |
| 7274 | Glass wool 50 mm thick | sqm | **232.68** | |
| 7280 | Waste plastic additive | tonne | **37228.94** | * |
| 7281 | Chemical ASTMC-type II | kg | **158.22** | * |
| 7295 | Granite of any colour, 18 mm thick (slab area upto 0.50 sqm) | sqm | **1628.77** | * |
| 7296 | Granite of any colour, 30 mm thick (slab area upto 0.50 sqm) | sqm | **1861.45** | * |
| 7297 | Granite of any colour,18 mm thick (slab area above 0.50sqm) | sqm | **1675.30** | * |
| 7306 | Aluminium T or L sections | kilogram | **186.14** | * |
| 7307 | For flush door shutters Extra for providing teak veneering on one side instead of commercial veneering | sqm | **316.45** | * |
| 7309 | Paving Asphalt of grade VG-30 of approved quality | tonne | **28401.96** | * |
| 7312 | Expandable fastner with plastic sleeve and M.S. screws. 25 mm long | each | **9.31** | * |
| 7313 | Expandable fastner with plastic sleeve and M.S. screws. 32 long | mm each | **10.24** | * |
| 7314 | Expandable fastner with plastic sleeve and M.S. screws. 40 long | mm each | **13.03** | * |
| 7315 | Expandable fastner with plastic sleeve and M.S. screws. 50 long | mm each | **13.96** | * |
| 7318 | Plasticizer/super plasticizer | kilogram | **35.37** | * |
| 7319 | Wall form panel 1250X500mm | each | **837.65** | * |
| 7320 | Tie bolt 12mm dia 100 mm length | each | **37.23** | * |
| 7321 | Tie bolt 12mm dia 150 mm length | each | **46.54** | * |
| 7322 | Tie bolt 20mm dia 150 mm length | each | **55.84** | * |
| 7323 | Tie bolt 20mm dia 225 mm length | each | **65.15** | * |
| 7324 | Spring coil 12mm | each | **14.89** | * |
| 7325 | Plastic cone 12mm dia | each | **16.75** | * |
| 7326 | Corner angle 45x45x5mm 1.50 m long | each | **232.68** | * |
| 7327 | 100mm channel shoulder 2.5 m long | each | **884.19** | * |
| 7328 | Double clip (bridge clip) | each | **74.46** | * |
| 7329 | Single clip | each | **57.70** | * |
| 7330 | M.S. tube 40mm dia | metre | **209.41** | * |
| 7331 | Wall form panel 1250x450mm | each | **837.65** | * |
| 7332 | Corner angle 45x45x5 mm 2.50 m long | each | **246.64** | * |
| 7333 | Column clamp 450x1070 mm | each | **940.03** | * |
| 7334 | Prop 2 m ( 2-3.5m) | each | **618.93** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 7335 | Binding wire | kilogram | **44.67** | * |
| 7338 | Gun metal cramp | kilogram | **307.14** | * |
| 7339 | Stainless steel cramp | kilogram | **279.22** | * |
| 7340 | Stainless steel pin. | kg | **176.84** | * |
| 7342 | Adjustable span ESQ+SI (2.35-3.40) | each | **1442.62** | * |
| 7343 | Adjustable telescopic prop 3 m (2.00-3.75 m) | each | **930.72** | * |
| 7344 | Beam clamp 300-380mm (450-1070mm) | each set | **344.37** | * |
| 7345 | Prop 4m | each | **884.19** | * |
| 7346 | Double coupler | each | **44.67** | * |
| 7347 | Cadmium plated full threaded steei screws (30x4 mm dia.) | 100 Nos. | **26.06** | * |
| 7348 | Aluminium Washer 2 mm thick 15 mm dia | 100 Nos. | **9.31** | * |
| 7349 | 12mm M.S. 'U' beading | metre | **13.96** | * |
| 7350 | M S tower bolt bright finished / black stone enamelled 250x10 mm . | each | **31.69** | **** |
| 7353 | M S tower bolt bright finished / black stone enamelled 100x10 mm | each | **22.04** | **** |
| 7354 | Plastic encapsulated M.S. foot rest 30x20x15 cm | each | **107.03** | * |
| 7358 | Flushing Cistern P.V.C. 10 lts capacity ( low level ) (White) ( with fittings, accessories and flush pipe) | each | **558.43** | * |
| 7359 | P.V.C. automatic flushing cistern 5 lts capacity | each | **456.05** | * |
| 7361 | P.V.C. automatic flushing cistern 10 lts capacity | each | **493.28** | * |
| 7363 | 15 mm C.P. brass tap with elbow operation lever | each | **418.83** | * |
| 7364 | White glazed fire clay draining board 600x450x25 mm | each | **511.90** | * |
| 7366 | Glass reinforced Gypsum ( GRG) board 12.5 mm thick | sqm | **232.68** | * |
| 7367 | Galvanised M.S. sheet 0.50mm thick pressed channel section of size 50x32mm | metre | **55.84** | * |
| 7369 | Galvanised M.S. sheet 0.50mm thick pressed stud 48x34x36mm | metre | **69.80** | * |
| 7375 | G.I. flush pipe and C.P. brass spreader including C.P. conne cting pipe Single lipped urinal | each | **432.79** | * |
| 7376 | G.I. flush pipe and C.P. brass spreader including C.P. conne cting pipe Range of two lipped urinals | each | **744.58** | * |
| 7377 | G.I. flush pipe and C.P. brass spreader including C.P. conne cting pipe Range of three lipped urinals | each | **1023.80** | * |
| 7378 | G.I. flush pipe and C.P. brass spreader including C.P. conne cting pipe Range of four lipped urinals | each | **1396.09** | * |
| 7379 | White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x375x350 mm with waste fittings as per IS : 2556 | each | **844.17** | * |
| 7380 | Precast R.C.C. grating with frame 500x450 mm horizontal grating | each | **604.97** | * |
| 7381 | Precast R.C.C. grating with frame 450x100 mm vertical grating | each | **228.03** | * |
| 7382 | Bitumen emulsion rapid setting (R.S.) confirming to IS : 8887 | each | **23663.64** | * |
| 7383 | 12 mm dia 50 mm long wedge type expanded zinc alloy dash fastener | each | **6.52** | |
| 7385 | 3 mm thick translucent white acrylic plastic sheet | sqm | **530.51** | * |
| 7386 | 12 thick particle board ceiling tile | sqm | **104.24** | * |
| 7387 | Spigot for standard jointing | kilogram | **41.88** | * |
| 7388 | Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt | each | **11.17** | * |
| 7389 | Anodising 15 microns on aluminium sections | kilogram | **37.23** | * |
| 7390 | Neoprene / EPDM rubber gasket | meter | **18.61** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 7391 | Anodising 25 microns onaluminiu sections | kg | **46.54** | * |
| 7392 | Power coating 50 microns on aluminium sections | kg | **59.57** | * |
| 7393 | Polyster powder coating 50 microns on aluminium sections | kg | **65.15** | * |
| 7394 | Double action hydraulic floor spring with stainless steel cover plate | each | **1442.62** | * |
| 7395 | 6 mm dia. M.S. adjustable hangers including clips (upto 1.2 m length) | each | **18.61** | * |
| 7396 | Double action hydraulic floor spring with brass cover plate | each | **1582.23** | * |
| 7397 | Base Jack | each | **139.61** | * |
| 7398 | Challies | each | **744.58** | * |
| 7399 | cup locks | each | **46.54** | * |
| 7400 | 15 mm PTMT bib cock | each | **69.80** | * |
| 7401 | 15 mm PTMT bib cock with flange (fancy) | each | **102.38** | * |
| 7402 | 15 mm PTMT bib cock long body with flange | each | **113.55** | * |
| 7403 | 15 mm dia PTMT stop cock(male thread) | each | **69.80** | * |
| 7405 | 20 mm dia. PTMT stop cock | each | **94.93** | * |
| 7406 | PTMT pillar cock | each | **120.06** | * |
| 7407 | PTMT push cock 15 mm dia | each | **60.50** | * |
| 7408 | PTMT push cock 12 mm dia 20 mm BSP | each | **55.84** | * |
| 7409 | PTMT grating 100 mm dia | each | **19.55** | * |
| 7410 | PTMT Pillar cock (fancy) 15mm foam flow | each | **134.02** | * |
| 7411 | 125 mm grating with waste hole | each | **29.78** | * |
| 7412 | Rectangular type with openable circular lid 150 mm size 18 mm high with 100 mm dia (110 gm) | each | **113.55** | * |
| 7415 | Double acting air valve 50 mm | each | **3629.82** | * |
| 7416 | Double acting air valve 80 mm | each | **4420.94** | * |
| 7417 | Double acting air valve 100 mm | each | **5770.49** | * |
| 7418 | Water meter (including testing charges) 80 mm | each | **1982.44** | * |
| 7419 | Water meter (including testing charges) 100 mm | each | **3071.39** | * |
| 7420 | Water meter (including testing charges) 150 mm | each | **4653.62** | * |
| 7421 | Water meter (including testing charges) 200 mm | each | **5025.91** | * |
| 7422 | Dirt box strainer 80 mm | each | **2615.33** | * |
| 7423 | Dirt box strainer 100 mm | each | **4262.71** | * |
| 7424 | Dirt box strainer 150 mm | each | **5407.50** | * |
| 7425 | Dirt box strainer 200 mm | each | **7678.47** | * |
| 7426 | Cat's eye | each | **97.73** | * |
| 7427 | Water stop Serrated with central bulb (225 mm wide, 8-11 mm thick) | metre | **196.38** | * |
| 7428 | Water stop Dumb bell with central bulb | metre | **153.57** | * |
| 7429 | Water stop Kicers | metre | **181.49** | * |
| 7430 | Wedge expansion hold fastner 1/4" or 6 mm | each | **11.17** | * |
| 7431 | Wedge expansion hold fastner 3/8" or 10 mm | each | **11.17** | * |
| 7432 | Wedge expansion hold fastner 1/2" or 12 mm | each | **26.06** | * |
| 7439 | 8mm thick (mirror polished tiles machine cut edge) Raj Nagar white | sqm | **465.36** | * |
| 7442 | Wheel 75mm dia. 40mm wide | each | **60.50** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 7443 | Aluminium single cleat of size 30x32x3 mm | each | **13.96** | * |
| 7444 | Aluminium grip strip of size 50x12x2 mm | each | **11.17** | * |
| 7445 | 25 mm prelaminated flush door both side decorative | sqm | **752.02** | * |
| 7449 | Aluminium U beading | kilogram | **204.76** | * |
| 7451 | Glass sheet (Pin headed) 4mm thick | sqm | **297.83** | * |
| 7452 | Raj Nagar plain- White Marble (table rubbed and polished 18mm thick slab area upto 0.50 sqm | sqm | **558.43** | * |
| 7453 | Raj Nagar plain- White Marble (table rubbed and polished 18mm thick slab area more than 0.50 sqm | sqm | **651.51** | * |
| 7466 | Second class deodar teak wood lipping 30mm width x 12mm | metre | **23.27** | * |
| 7468 | Veneered particle board with commercial veneerinq on both sides 12 mm thick | sqm | **483.98** | * |
| 7477 | Prelaminated particle board with one side decorative and other side balancing lamination, flat presed 3 layer & graded (medium density) Grade I. Type II conforming to IS : 12823 (exterior grade) 12 mm thick | sqm | **524.00** | * |
| 7478 | Prelaminated particle board with one side decorative and other side balancing lamination, flat presed 3 layer & graded (medium density) Grade I. Type II conforming to IS : 12823 (exterior grade) 18 mm thick | sqm | **628.24** | * |
| 7479 | Prelaminated particle board with one side decorative and other side balancing lamination, flat presed 3 layer & graded (medium density) Grade I. Type II conforming to IS : 12823 (exterior grade) 25 mm thick | sqm | **865.57** | * |
| **7480** | Prelaminated particle board with both sides decorative lamination.flat **pressed 3 layer & graded (medium density) Graefe I. Type II conforming** to IS : 12823 (exterior grade) 12 mm thick | **sqm** | **554.71** | * |
| 7485 | Oxidised M.S. hinges finished with nickle plating 50mm ( Over all width) | metre | **39.09** | * |
| 7486 | Oxidised M.S. hinges finished with nickle plating 65mm (Over all width) | metre | **51.19** | * |
| 7491 | PTMT - Waste Coupling 31/32 mm | each | **33.51** | * |
| 7492 | PTMT - Waste Coupling 38/40 mm | each | **46.54** | * |
| 7493 | PTMT - Bottle Trap 31/32 mm | each | **202.90** | * |
| 7494 | PTMT - Bottle Trap 38/40 mm | each | **212.20** | * |
| 7495 | PTMT - Ball Cock 15 mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball | each | **97.73** | * |
| 7496 | PTMT - Ball Cock 20mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball | each | **130.30** | * |
| 7497 | PTMT - Ball Cock25 mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball | each | **279.22** | * |
| 7498 | PTMT - Ball Cock 40 mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball | each | **466.29** | * |
| 7499 | PTMT - Ball Cock 50 mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball | each | **849.75** | * |
| 7500 | PTMT - Angle Stop cock with Flange 15 mm | each | **94.93** | * |
| 7501 | PTMT - Swiveling shower 15 mm | each | **69.80** | * |
| 7503 | PTMT - Liquid Soap Container of 400 ml capacity | each | **99.59** | * |
| 7504 | PTMT - Towel Ring 215x200x37 mm | each | **125.65** | * |
| 7505 | PTMT - Towel Rail (450 mm) | each | **131.23** | * |
| 7506 | PTMT - Towel Rail (600 mm) | each | **157.29** | * |
| 7507 | PTMT - Shelf 450x124x36 mm | each | **195.45** | * |
| 7508 | PTMT - Urinal Spreader 15 mm | each | **74.46** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 7509 | PTMT - Soap Dish/Holder 138x102x75 mm | each | **79.11** | * |
| 7512 | PTMT - handle 125x34x24 mm | each | **23.27** | * |
| 7513 | PTMT - handle 150x34x24 mm | each | **23.27** | * |
| 7514 | PTMT - butt hinges 75x60x10 mm | each | **32.58** | * |
| 7515 | PTMT - butt hinges 100x75x10 mm | each | **41.88** | * |
| 7516 | PTMT - Tower bolt 152x42x18 mm | each | **46.54** | * |
| 7517 | PTMT - Tower bolt 202x42x18 mm | each | **65.15** | * |
| 7518 | PTMT - door catcher 72x42 mm | each | **23.27** | * |
| 7552 | Coir Veneered board 4 mm thick | sqm | **279.22** | * |
| 7553 | Coir Veneered board 6 mm thick | sqm | **372.29** | * |
| 7555 | Coir Veneered board 12 mm thick | sqm | **651.51** | * |
| 7556 | Coir Veneered board 18 mm thick | sqm | **977.26** | * |
| 7621 | Hubless centrifugally cast (spun) iron pipes as per IS 15905 - 100 mm dia (3000 mm length pipe) | metre | **678.50** | * |
| 7622 | Hubless centrifugally cast (spun) iron pipes as per IS 15905 - 75 mm dia (3000 mm length pipe) | metre | **555.64** | * |
| 7623 | Hubless centrifugally cast (spun) iron plain bend as per IS 15905 - 100 mm dia | each | **224.30** | * |
| 7624 | Hubless centrifugally cast (spun) iron plain bend as per IS 15905 - 75 mm dia | each | **152.64** | * |
| 7625 | Hubless centrifugally cast (spun) iron double equal plain junction as per IS 15905 - 100x100x100x100 mm dia | each | **495.14** | * |
| 7626 | Hubless centrifugally cast (spun) iron double equal plain junction as per IS 15905 - 75x75x75x75 mm dia | each | **266.19** | * |
| 7627 | Hubless centrifugally cast (spun) iron single equal plain junction as per IS 15905 - 100x100x100 mm dia | each | **381.60** | * |
| 7628 | Hubless centrifugally cast (spun) iron single equal plain junction as per IS 15905 - 75x75x75 mm dia | each | **209.41** | * |
| 7629 | Hubless centrifugally cast (spun) iron double unequal plain junction as per IS 15905 - 100x100x75x75 mm dia | each | **391.83** | * |
| 7630 | Hubless centrifugally cast (spun) iron single unequal plain junction as per IS 15905 - 100x100x75 mm dia | each | **364.84** | * |
| 7631 | Hubless centrifugally cast (spun) iron double equal plain invert branch as per IS 15905 - 100x100x100x100 mm dia | each | **607.76** | * |
| 7632 | Hubless centrifugally cast (spun) iron single equal plain invert branch as per IS 15905 - 100x100x100 mm dia | each | **381.60** | * |
| 7633 | Hubless centrifugally cast (spun) iron single equal plain invert branch as per IS 15905 - 75x75x75 mm dia | each | **251.30** | * |
| 7634 | Hubless centrifugally cast (spun) iron single unequal plain invert branch 45 degree as per IS 15905 - 100x100x75 mm dia | each | **418.83** | * |
| 7635 | Hubless centrifugally cast (spun) iron 65 mm offset with 100 mm dia pipe as per IS 15905 | each | **351.81** | * |
| 7636 | Hubless centrifugally cast (spun) iron 65 mm offset with 75 mm dia pipe as per IS 15905 | each | **286.66** | * |
| 7637 | Hubless centrifugally cast (spun) iron 130 mm offset with 100 mm dia pipe as per IS 15905 | each | **425.34** | * |
| 7638 | Hubless centrifugally cast (spun) iron 130 mm offset with 75 mm dia pipe as per IS 15905 | each | **302.49** | * |
| 7639 | Hubless centrifugally cast (spun) iron bend with access door - 100 mm dia as per IS 15905 | each | **353.67** | * |
| 7640 | Hubless centrifugally cast (spun) iron bend with access door - 75 mm dia as per IS 15905 | each | **282.01** | * |
| 7641 | Hubless centrifugally cast (spun) iron terminal guard (slotted cowl) - 100 mm dia as per IS 15905 | each | **263.39** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 7642 | Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 100 mm outlet as per IS 15905 | each | **521.21** | * |
| 7643 | Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 75 mm outlet as per IS 15905 | each | **376.01** | * |
| 7644 | SS 304 grade shielded coupling with EPDM rubber gasket for 100 mm dia Hubless centrifugally cast (spun) iron | each | **267.12** | * |
| 7645 | SS 304 grade shielded coupling with EPDM rubber gasket for 75 mm dia Hubless centrifugally cast (spun) iron | each | **243.85** | * |
| 7651 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 100 mm dia | metre | **744.58** | * |
| 7652 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 150 mm dia | metre | **1116.87** | * |
| 7653 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 200 mm dia | metre | **1535.69** | * |
| 7654 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 250 mm dia | metre | **2140.66** | * |
| 7655 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 300 mm dia | metre | **2661.87** | * |
| 7656 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 350 mm dia | metre | **3266.84** | * |
| 7657 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329400 mm dia | metre | **4188.26** | * |
| 7658 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 450 mm dia | metre | **4839.76** | * |
| 7659 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 500 mm dia | metre | **6124.16** | * |
| 7660 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 600 mm dia | metre | **7380.64** | * |
| 7661 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 700 mm dia | metre | **10237.96** | * |
| 7662 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 750 mm dia | metre | **11075.61** | * |
| **7663** | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 800 mm dia | **metre** | **11168.68** | * |
| 7664 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 900 mm dia | metre | **13495.49** | * |
| 7665 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 1000 mm dia | metre | **15170.79** | * |
| 7666 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 100 mm dia | ench | **27.92** | * |
| 7668 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 150mm dia | ench | **35.37** | * |
| 7669 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 200mm dia | ench | **61.43** | * |
| 7670 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 250mm dia | ench | **72.60** | * |
| 7671 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 300 mm dia | ench | **107.03** | * |
| 7672 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 350 mm dia | ench | **122.86** | * |
| 7673 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 400 mm dia | ench | **223.37** | * |
| 7674 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 450 mm dia | ench | **260.60** | * |
| 7675 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 500 mm dia | ench | **283.87** | * |
| 7676 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 600 mm dia | ench | **353.67** | * |
| 7677 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 700 mm dia | ench | **535.17** | * |
| 7678 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 750 mm dia | ench | **642.20** | * |
| 7679 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 800 mm dia | ench | **707.35** | * |
| 7680 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 900 mm dia | ench | **930.72** | * |
| 7681 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 1000 mm dia | ench | **1116.87** | * |
| 7682 | Ductile Iron K - 12 specials suitable for push on jointing upto 600 mm dia | quintal | **12099.40** | * |
| 7683 | Ductile Iron K - 12 specials suitable for push on jointing over 600 mm dia | quintal | **16753.02** | * |
| 7684 | Ductile Iron specials suitable for mechanical jointing as per I.S. 9523 - upto 600 mm dia | quintal | **12750.91** | * |
| 7685 | Ductile Iron Specials suitable for mechanical jointing as per I.S. 9523 over 600 mm dia | quintal | **18288.71** | * |
| 7686 | Ductile Iron Pipe Class K-9 flanges and welding 100 mm dia | metre | **1074.99** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 7687 | Ductile Iron Pipe Class K-9 flanges and welding 150 mm dia | metre | **1612.94** | * |
| 7688 | Ductile Iron Pipe Class K-9 flanges and welding 200 mm dia | metre | **2028.05** | * |
| 7689 | Ductile Iron Pipe Class K-9 flanges and welding 250 mm dia | metre | **2883.38** | * |
| 7690 | Ductile Iron Pipe Class K-9 flanges and welding 300 mm dia | metre | **3704.28** | * |
| 7691 | Ductile Iron Pipe Class K-9 flanges and welding 350 mm dia | metre | **4671.30** | * |
| 7692 | Ductile Iron Pipe Class K-9 flanges and welding400mm dia | metre | **6010.61** | * |
| 7693 | Ductile Iron Pipe Class K-9 flanges and welding 450 mm dia | metre | **6306.58** | * |
| 7694 | Ductile Iron Pipe Class K-9 flanges and welding 500mm dia | metre | **8971.24** | * |
| 7695 | Ductile Iron Pipe Class K-9 flanges and welding600mm dia | metre | **11874.17** | * |
| 7696 | Ductile Iron Pipe Class K-9 flanges and welding700 mm dia | metre | **14043.69** | * |
| 7697 | S&S Centrifugally (Spun) C.I. Pipe class LA 100 mm dia | metre | **837.65** | * |
| 7698 | S&S Centrifugally (Spun) C.I. Pipe class LA 125mm dia | metre | **1042.41** | * |
| 7699 | S&S Centrifugally (Spun) C.I. Pipe class LA 150 mm dia | metre | **1256.48** | * |
| 7700 | S&S Centrifugally (Spun) C.I. Pipe class LA 200 mm dia | metre | **2140.66** | * |
| 7701 | S&S Centrifugally (Spun) C.I. Pipe class LA 250 mm dia | metre | **2792.17** | * |
| 7702 | S&S Centrifugally (Spun) C.I. Pipe class LA 300 mm dia | metre | **3769.43** | * |
| 7703 | S&S Centrifugally (Spun) C.I. Pipe class LA 350mm dia | metre | **4514.01** | * |
| 7704 | S&S Centrifugally (Spun) C.I. Pipe class LA 400mm dia | metre | **5956.63** | * |
| **7705** | **S&S Centrifugally (Spun) C.I. Pipe class LA 450 mm dia** | **metre** | **7213.11** | * |
| 7706 | S&S Centrifugally (Spun) C.I. Pipe class LA500 mm dia | metre | **8376.51** | * |
| 7707 | S&S Centrifugally (Spun) C.I. Pipe class LA 600 mm dia | metre | **11722.46** | * |
| 7708 | S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing up to 300 mm dia | quintal | **5072.44** | * |
| 7709 | S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing over 300 mm dia | quintal | **6059.01** | * |
| 7710 | S&S Centrifugally (Spun) C.I. Pipe specials suitable for mechanical joint as per I.S. 13382 up to 300 mm dia | quintal | **8376.51** | * |
| 7711 | S&S Centrifugally (Spun) C.I. Pipe Specials suitable for mechanical joint as per IS 13382 over 300 mm dia | quintal | **8841.87** | * |
| 7712 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 100 mm dia | metre | **1279.74** | * |
| 7713 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 150 mm dia | metre | **2001.06** | * |
| 7714 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 200 mm dia | metre | **3164.46** | * |
| 7715 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 250 mm dia | metre | **3815.97** | * |
| 7716 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 300 mm dia | metre | **4876.99** | * |
| 7717 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 350 mm dia | metre | **6142.77** | * |
| 7718 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 400 mm dia | metre | **7957.69** | * |
| 7719 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 450 mm dia | metre | **10144.89** | * |
| 7720 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 500 mm dia | metre | **12620.61** | * |
| 7721 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 600 mm dia | metre | **17497.60** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 7722 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 100 mm dia | metre | **721.31** | * |
| 7723 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 150 mm dia | metre | **1042.41** | * |
| 7724 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 200 mm dia | metre | **1442.62** | * |
| 7725 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 250 mm dia | metre | **1954.52** | * |
| 7726 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 300 mm dia | metre | **2579.03** | * |
| 7727 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 350 mm dia | metre | **3121.65** | * |
| 7728 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 400 mm dia | metre | **3736.85** | * |
| 7729 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 450 mm dia | metre | **4515.87** | * |
| 7730 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 500 mm dia | metre | **5337.70** | * |
| 7731 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 600 mm dia | metre | **6889.21** | * |
| 7732 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 700 mm dia | metre | **8947.04** | * |
| 7733 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 800 mm dia | metre | **11261.75** | * |
| 7734 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 900 mm dia | metre | **14522.08** | * |
| 7735 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 1000 mm dia | metre | **15852.08** | * |
| 7736 | Extruded burnt flyash clay sewer bricks conforming to I.S 4885 | 1000nos | **5025.91** | * |
| 7737 | Fly ash lime bricks (FALG Bricks) conforming to I.S. 12894 -1989 | 1000nos | **5398.20** | * |
| 7738 | Calcium Silicate Bricks machine moulded confirming to I.S. 4139 | 1000nos | **5305.12** | * |
| 7739 | Modified Bitumen Refinery produced CRMB - 55 | toone | **36387.00** | ** |
| **7741** | **Modified Bitumen Refinery produced CRMB - 60** | **toone** | **36387.00** | ** |
| 7742 | Bitumen emulsion medium setting (M.S.) conforming to IS : 8887 | toone | **39393.00** | ** |
| 7743 | M.S. pipe 150 mm dia casing pipe | metre | **884.19** | * |
| 7744 | M.S. pipe 200 mm dia casing pipe | metre | **1116.87** | * |
| 7745 | PVC blind pipe 150 mm dia as per IS: 12818 | metre | **453.26** | * |
| 7746 | PVC blind pipe 200 mm dia as per IS: 12818 | metre | **483.05** | * |
| 7747 | M.S. cap 150 mm dia | each | **139.61** | * |
| 7748 | M.S. cap 200 mm dia | each | **176.84** | * |
| 7749 | M.S bail plug 150 mm dia | each | **176.84** | * |
| 7750 | M.S bail plug 200 mm dia | each | **195.45** | * |
| 7751 | PVC slotted pipe 150 mm dia as per IS: 12818 | metre | **418.83** | * |
| 7752 | PVC slotted pipe 200 mm dia as per IS: 12818 | metre | **651.51** | * |
| 7753 | Boulder 50 mm to 200 mm | cum | **651.51** | * |
| 7754 | Gravel 5 mm to 10 mm | cum | **744.58** | * |
| 7755 | Gravel 1.5 mm to 2 mm | cum | **744.58** | * |
| 7756 | Gravel 3 mm to 6 mm | cum | **744.58** | * |
| 7757 | M.S. pipe 100 mm dia casing pipe | metre | **651.51** | * |
| 7758 | UPVC blind pipe 100 mm dia as per IS: 12818 | metre | **227.10** | * |
| 7759 | UPVC slotted pipe 100 mm dia as per IS: 12818 | metre | **353.67** | * |
| 7760 | M.S. cap 100 mm dia | each | **111.69** | * |
| 7761 | M.S. bail plug 100 mm dia | each | **139.61** | * |
| 7762 | Precast R.C.C. perforated slab | each | **744.58** | * |
| 7763 | Water supply tanker of 5000 litre capacity | each | **698.04** | * |
| 7764 | M.S. socket 100 mm dia | each | **111.69** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 7765 | M.S. socket 150 mm dia | each | **195.45** | * |
| 7766 | M.S. socket 200 mm dia | each | **251.30** | * |
| 7767 | Stone cleaning chemical approved by ASI | litre | **153.57** | * |
| 7768 | Water repallent chemical approved by ASI | litre | **604.97** | * |
| 7769 | Stone surface strengthening chemical approved by ASI | litre | **949.34** | * |
| 7770 | Turpentine oil | litre | **51.19** | * |
| 7771 | Liquid Amonia 5% | litre | **149.85** | * |
| 7772 | Pea Gravel | cum | **837.65** | * |
| 7773 | Coloured inter locking C.C. paver Block | sqm | **465.36** | * |
| 7774 | Stone size 10x10x7.50cm | each | **8.38** | * |
| 7775 | Sodium pentachlorophenate | kilogram | **586.36** | * |
| 7800 | Ceramic Glazed Tiles 1st Quality minimum thickness 5mm in all colours shades except Burgandy, Bottle Green, Black | sqm | **195.45** | * |
| 7801 | Ceramic Glazed Tiles 1st quality 300x300 mm in all shades & designs of White, Ivory, Fume Red Brown etc. | sqm | **195.45** | * |
| 7802 | Ceramic Glazed Tiles 1st quality 300x300 mm in all shades & designs except White, Ivory, Grey and Fume Red Brown etc. | sqm | **241.99** | * |
| 7803 | Ceramic Glazed Tiles 1st quality 300x300 or more in all shades designs White, Ivory, Grey and Fume Red Brown etc. | sqm | **310.86** | * |
| 7804 | Ceramic Glazed Tiles 1st quality 300x300 or more mm hi all shades designs except White, Ivory, Grey and Fume Red brown etc. | sqm | **372.29** | * |
| 7805 | Salem Stainless steel AISI - 304 (18/8) Orrisa pattern W.C. pan 724 mm X 578 mm | each | **3350.60** | * |
| 7806 | Salem Stainless steel AISI - 304 (18/8) Round basin 405 mm X355 mm | each | **1396.09** | * |
| 7807 | Salem Stainless steel AISI - 304 (18/8) Wash basin 530 mm X 345 mm each | each | **1396.09** | * |
| 7808 | Centrifugally cast (spun) iron S&S 100 mm inlet and 100 mm outlet | each | **404.86** | * |
| 7809 | Centrifugally cast (spun) iron S&S 100 mm inlet and 75 mm outlet | each | **435.58** | * |
| 7850 | Agaria White marble slab plain 18 mm thick | each | **1023.80** | * |
| 7857 | P.T.M.T. Grating square slit 150 mm | each | **46.54** | * |
| 7858 | P.T.M.T. Urinal cock 15mm dia | each | **102.38** | * |
| 7859 | P.T.M.T. Bib cock with nozzle 15 mm | each | **78.18** | * |
| 7861 | P.T.M.T. Stop cock (concealed) 15 mm | each | **116.34** | * |
| 7862 | 15 mm nominal bore and 30 cm length PVC connection pipe with P.T.M.T. Nuts | each | **29.78** | * |
| 7863 | 15 mm nominal bore and 45 cm length PVC connection pipe with P.T.M.T. Nuts | each | **31.64** | * |
| 7864 | P.T.M.T. extension nipple 15 mm | each | **17.68** | * |
| 7865 | P.T.M.T. extension nipple 20 mm | each | **26.06** | * |
| 7866 | P.T.M.T. extension nipple 25 mm | each | **37.23** | * |
| 7893 | Tactile tile | sqm | **837.65** | * |
| 7895 | Matt finished vitrified tile 100x100 x16 mm | sqm | **350.88** | * |
| 7896 | Vitrified tile | sqm | **287.59** | * |
| 7900 | Modular common burnt clay bricks of class designation 7.5 | 1,000nos | **4188.26** | * |
| 7901 | Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5 | 1,000nos | **4281.33** | * |
| 7902 | Machine moulded common burnt clay modular perforated bricks of class designation 12.5 | 1,000nos | **4979.37** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 7903 | Machine moulded common burnt clay FPS (non modular) bricks of class designation 12.5 | 1,000nos | **4653.62** | * |
| 7904 | Machine moulded common burnt clay tile bricks of class designation 12.5 | 1,000nos | **4653.62** | * |
| 7911 | Chemical Rust Remover | litre | **186.14** | * |
| 7912 | Hire charges of Drill machine upto 30 mm dia | day | **139.61** | * |
| 7913 | Epoxy | kg | **511.90** | * |
| 7914 | SBR Polymer | kg | **167.53** | * |
| 7915 | Woven PVC cloth | sqm | **23.27** | * |
| 7916 | Hire charges of sand blasting equipment | day | **372.29** | * |
| 7917 | Hire charges of compressure | day | **558.43** | * |
| 7918 | 25mm thick cement concrete shotcrete(guniting) with compressor | sqm | **93.07** | * |
| 7919 | 50mm thick cement concrete shotcrete(guniting) with compressor | sqm | **148.92** | * |
| 7920 | 75mm thick cement concrete shotcrete(guniting) with compressor | sqm | **247.57** | * |
| 7921 | Adhesive chemical | ml | **2.20** | * |
| 7922 | Bit of drilling machine for Hole upto 30mm dia | each | **442.09** | * |
| 7923 | GI injection nipple 12mm dia, 75mm long | each | **37.23** | * |
| 7924 | Blowing compressed air for cleaning holes upto 30mm dia | each | **9.31** | * |
| 7925 | L shaped 100mm long, 10mm dia mild steel shear key | kg | **62.45** | * |
| 7926 | Welding charges of shear key to existing reinforcement | each | **1.86** | * |
| 7927 | Acrylic Polymer chemical for cracks | kg | **27.92** | * |
| 7928 | Hire charges of Plant and machinery, it can inject - 350kg/day | day | **93.07** | * |
| 8001 | 24 mm thick Factory made shutters with styles, rails and panels of PVC extruded sections in white, grey or wooden finish | sqm | **1298.36** | * |
| 8002 | 30 mm thick Factory made shutters with styles, rails and panels of PVC extruded sections in white, grey or wooden finish | sqm | **1416.56** | * |
| 8003 | Factory made PVC rigid foam panelled door shutter 30 mm thick | sqm | **2047.59** | * |
| 8004 | Factory made PVC rigid foam panelled shutters as per I S: 4020 i/c carriage | sqm | **2419.88** | * |
| 8006 | Factory made PVC rigid foam sheet 1 mm thick | sqm | **186.14** | * |
| 8007 | Factory made PVC rigid foam sheet 5 mm thick | sqm | **588.22** | * |
| 8008 | Factory made Prelaminated PVC rigid foam sheet 5 mm thick | sqm | **699.90** | * |
| 8010 | Factory made PVC Door frame 48x40x1.5 mm in white , grey or wooden finish | metre | **148.92** | * |
| 8011 | Factory made door frame *PVC* extruded sheet i/c carriage | metre | **325.75** | * |
| 8012 | Adhesive Solvent cement | litre | **130.30** | * |
| 8013 | Factory made EPS Core wallpanel /roof panel sandwiched between two Engineered welded wire fabric mesh of 3 mm dia G.I. wire mesh,with 50 mm pitch in both the directions, kept at 120-135 mm gap and interconnected by the zig zag G.I. wire of 3 mm dia at alternate row by welding. | | **1535.69** | * |
| 8014 | Factory made door frame of size 50x47 mm with wall thickness 5mm made of single piece extruded profile | metre | **465.36** | * |
| 8015 | Expanded poly ethylene Foam sheet 4mm thick of Density 40kg/m3 | sqm | **16.75** | * |
| 8016 | High Density expanded poly ethylene (EPE) Foam 1mm thick | sqm | **7.91** | * |
| 8017 | Fire rated door frame made with 1.6 mm thick G.I sheet (120 minutes fire rating) | metre | **884.19** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 8018 | Fire rated door shutter made with 1.6 mm thick G.I sheet (120 minutes fire rating) including hinges ( without glass panels) | sqm | **4653.62** | * |
| 8021 | Bamboo wood Tile Flooring 14mm thick of minimum size 1800mm x 130mm | sqm | **3513.48** | * |
| 8022 | Bamboo wood Quarter Round 18mm thick of size 1900mm x 18mm | metre | **116.34** | * |
| 8023 | Bamboo wood door reducer 14mm thick of size 1900mm x 44mm | metre | **255.95** | * |
| 8024 | Bamboo wood Skirting 14mm thick of Size 1900mm x 85mm | sqm | **302.49** | * |
| 8025 | Bamboo wood Tile Wall Cladding 10mm thick of size 1900mm x 135mm | sqm | **3141.19** | * |
| 8026 | Bamboo wood T-mold 14mm thick of size 1900mm x 44mm | metre | **255.95** | * |
| 8027 | Bamboo wood Threshold 14mm thick of size 1900mm x 44mm | metre | **255.95** | * |
| 8028 | Bamboo wood shutter of doors | 10cudm | **1675.30** | * |
| 8029 | Bamboo wood panelling (10mm thick) | 10cudm | **1675.30** | * |
| 8030 | Superior class Bamboo wood door frame 65 mm thick, | 10cudm | **1675.30** | * |
| 8031 | Aluminium sheets Grade 5052, 4 mm thick for wall panel/deck panel/ WRB panel/Kicker Panels/door closing panels ( for form work) | sqm | **7911.15** | * |
| 8032 | Aluminium sheets Grade 5052, 4 mm thick for Column Corners/ ( for form work) Internal Corner/ | sqm | **10703.32** | * |
| 8033 | Aluminium sheets Grade 5052, 4 mm thick for ( for form work) | sqm | **29783.15** | * |
| | **Accessories for aluminium form work** | | **0.00** | * |
| 8034 | External corner 2050 mm | each | **1303.01** | * |
| 8035 | External corner 825 mm | each | **525.86** | * |
| 8036 | soldier tie 370mm | each | **255.02** | * |
| 8037 | Adjustable prop-2.0 x2.0 m | each | **1005.18** | * |
| 8038 | Pin-50 | each | **13.96** | * |
| 8039 | Pin-127 | each | **48.40** | * |
| 8040 | wedge | each | **13.03** | * |
| 8041 | wall tie-150 (355 mm ) | each | **41.88** | * |
| 8042 | Polythene Sleeve 90 x 150mm | each | **2.79** | * |
| 8043 | Polythene Roll - 150mm Long. | each | **5.58** | * |
| 8044 | Vertical Soldier -1100mm | each | **326.68** | * |
| 8045 | Wall Attached Bracket 600x1000mm | each | **871.16** | * |
| 8046 | Allignment Pipe - 3.00 Mtr. | each | **893.49** | * |
| 8047 | Allignment Bracket | each | **418.83** | * |
| 8048 | Tie Rod for Bracket - 500mm | each | **100.52** | * |
| 8049 | Anchor Wing Nut Ø100 mm | each | **55.84** | * |
| 8050 | Debit Pin - 250mm | each | **52.12** | * |
| 8051 | PVC Pipe Ø20mm - 150mm long | each | **4.65** | * |
| 8052 | PVC Cone | each | **4.65** | * |
| 8053 | Bolt+Nut - 16 x 80 mm | each | **27.92** | * |
| 8054 | Flat Washer Ø16, 3mm thik | each | **4.65** | * |
| 8055 | Bolt+Nut - 16 x 30 mm | each | **16.75** | * |
| 8056 | Door spacer 45x45x5-1135mm Long | each | **316.45** | * |
| 8057 | Door spacer 45x45x5 - 985mm long | each | **274.56** | * |
| 8100 | Powder coated M.S. Butt Hinges 100x58x1.9mm | 10 Nos | **79.11** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 8101 | SS ball bearing of size 100 x89x3mm | each | **279.22** | * |
| 8116 | Zinc alloy (white powder coated) 3D Hinges for uPVC door | each | **423.48** | * |
| 8117 | Zinc alloy (white powder coated) handles with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key for uPVC casement door | each set | **1861.45** | * |
| 8118 | Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding window | each set | **884.19** | * |
| 8119 | Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door | each set | **1070.33** | * |
| 8121 | uPVC extruded (small series) casement window frame size 47x50mm | metre | **229.89** | * |
| 8122 | uPVC extruded (small series) casement window sash/window mullion size 47x68 mm | metre | **248.50** | * |
| 8125 | uPVC extruded glazing bead of appropriate dimension for small series casement window Sash | metre | **83.77** | * |
| 8126 | uPVC extruded (big series) casement window frame size 67x60 mm | metre | **333.20** | * |
| 8127 | uPVC extruded (big series) casement door frame size 67x64 mm | metre | **344.37** | * |
| 8128 | uPVC extruded (big series) casement window sash/window mullion/ door mullion size 67x80 mm | metre | **393.70** | * |
| 8129 | uPVC extruded (big series) casement door sash size 67x110 mm | metre | **511.90** | * |
| 8130 | uPVC extruded glazing bead of appropriate dimension for big series casement window/door sash | metre | **106.10** | * |
| 8131 | uPVC extruded glazing bead of appropriate dimension for small series sliding window sash | metre | **51.19** | * |
| 8132 | uPVC extruded glazing bead of appropriate dimension for big series of sliding window/ door sash | metre | **76.32** | * |
| 8133 | uPVC extruded (small series) 2 track sliding window frame size 52x 44 mm | metre | **248.50** | * |
| 8134 | uPVC extruded (big series) 2 track sliding window/door frame size 67x 50mm | metre | **341.58** | * |
| 8135 | uPVC extruded (small series) 3 track sliding window frame size 92x 44 mm | metre | **335.06** | * |
| 8136 | uPVC extruded (big series) 3 track sliding window/door frame size 116x45mm | metre | **470.02** | * |
| 8137 | uPVC extruded (small series) 2 track sliding window sash/3 track sliding window sash size 32x60mm | metre | **233.61** | * |
| 8138 | uPVC extruded (big series) 2 track sliding window sash size 46x62mm | metre | **289.45** | * |
| 8139 | uPVC extruded (big series) 3 track sliding window sash size 46x62mm | metre | **289.45** | * |
| 8140 | uPVC extruded interlock of appropriate dimension for small series sliding window sash | metre | **69.80** | * |
| 8141 | uPVC extruded interlock of appropriate dimension for big series sliding window/ door sash | metre | **79.11** | * |
| 8142 | uPVC extruded inline adaptor of appropriate dimension for big series sliding window/door sash | metre | **79.11** | * |
| 8143 | uPVC extruded 2 track sliding door sash/ 3 track sliding door sash (big series) size 46x82mm | metre | **304.35** | * |
| 8200 | APP modified Polymeric felt 1.5 mm thick | sqm | **69.80** | * |
| 8201 | APP modified Polymeric felt 2.0 mm thick | sqm | **91.21** | * |
| 8203 | A P.P. modified 2 mm thick membrane reinforced with glass fibre matt. | sqm | **93.07** | * |
| 8204 | A.P.P. modified 3 mm thick membrane reinforced with glass fibre matt. | sqm | **186.14** | * |
| 8205 | A.P.P. modified 3 mm thick membrane reinforced with polyester matt. | sqm | **190.80** | * |
| 8206 | Bitumen primer for bitumat membrane. | litre | **83.77** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 8207 | Geotextile 120 gsm membrane | sqm | **41.88** | * |
| 8210 | Stainless Steel 50mm long Screws | 100 Nos. | **241.99** | * |
| 8211 | Stainless Steel 40mm long Screws | 100 Nos. | **193.59** | * |
| 8212 | Stainless Steel 30mm long Screws | 100. Nos. | **167.53** | * |
| 8214 | Stainless Steel 20mm long Screws | 100 Nos. | **111.69** | * |
| 8215 | Stainless Steel 125x64x1.90mm Butt Hinge IS: 12817 marked | 10 Nos. | **232.68** | * |
| 8216 | Staialess Steel 100x58x1.90mm Butt Hinge IS : 12817 marked | 10 Nos. | **214.07** | * |
| 8217 | Stainless Steel 75x47x1.80mm Butt Hinge IS : 12817 marked | 10 Nos. | **139.61** | * |
| 8218 | Stainless Steel 50x37x1.50mm Butt Hinge IS: 12817 marked | 10 Nos. | **120.99** | * |
| 8219 | Stainless Steel 125x64x2.50mm Butt Hinge IS: 12817 marked | 10 Nos. | **307.14** | * |
| 8220 | Stainless Steel 100x60x2.50mm Butt Hinge IS:12817 marked | 10 Nos. | **223.37** | * |
| 8221 | Stainless Steel 75x60x2.50mm Butt Hinge IS: 12817 marked | 10 Nos. | **181.49** | * |
| 8222 | M. S. heavy weight butt hinges 125x90x4.00mm (heavy weight) IS: 1341 marked | 10 Nos. | **186.14** | * |
| 8223 | M. S. heavy weight butt hinges 100x75x3.50mm (heavy weight) IS: 1341 marked | 10 Nos. | **139.61** | * |
| 8224 | M.S. heavy weigh butt hinges 75x60x3.10mm (heavy weight) IS: 1341 marked | 10 Nos. | **83.77** | * |
| 8225 | M.S. heavy weight butt hinges 50x40x2.50mm (heavy weight) IS: 1341 marked | 10 Nos. | **69.80** | * |
| 8226 | Concealed zinc coated hinges 19-20 mm thick with mounting plate | 10 Nos. | **372.29** | * |
| 8300 | 1216 mm PE-AL-PE Composite pressure pipe | metre | **57.70** | * |
| 8301 | 1620 mm PE-AL-PE Composite pressure pipe | metre | **72.60** | * |
| 8302 | 2025 mm PE-AL-PE Composite pressure pipe | metre | **102.38** | * |
| 8303 | 2532 mm PE-AL-PE Composite pressure pipe | metre | **146.12** | * |
| 8304 | 3240 mm PE-AL-PE Composite pressure pipe | metre | **218.72** | * |
| 8305 | 4050 mm PE-AL-PE Composite pressure pipe | metre | **307.14** | * |
| 8500 | Water for jetting / blowback | 1000 litre | **1396.09** | * |
| 8501 | Polymer modified cementation coating | kilogram | **130.30** | * |
| 8502 | Fibre glass cloth | sqm | **40.95** | * |
| 8503 | Fibre glass cloth | sqm | **45.46** | **** |
| 8504 | Multi surface paint | litre | **219.58** | * |
| 8505 | Acralyc exterior paint | litre | **146.39** | * |
| 8506 | Premium Acralyc exterior paint | litre | **174.80** | * |
| 8507 | Textured exterior paint | litre | **198.05** | * |
| 8508 | Primer for cement paint | litre | **65.15** | * |
| 8509 | Special Primer (C.W.) | litre | **130.30** | * |
| 8510 | Metal Primer (U.G.) | litre | **83.77** | * |
| 8511 | Fibre reinforced elastomeric liquid water proofing membrane | litre | **184.93** | * |
| 8512 | Cementitious water proofing coating with elastic polymers | kg | **176.03** | * |
| 8513 | Acrylic modified resin based texture | kg | **45.50** | * |
| 8514 | 40 mm long S.S screws with plastic rawl plugs | each | **35.37** | * |
| 8515 | Galavanised MS 8 mm outer diameter M-6 dash fastener 50mm long | each | **0.93** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 8552 | Mineral fibre beveled tegular edged ceiling tiles 595 x595mm,16 mm thick | sqm | **731.55** | * |
| 8553 | Mineral fibre beveled tegular edged ceiling tiles 595 x595mm,16 mm thick with bio-block conforming to ISO 5 (class 100) specifications. | sqm | **797.63** | * |
| 8554 | Mineral fiber beveled tegular edged ceiling tiles 595 x595mm,20 mm thick. | sqm | **921.42** | * |
| 8555 | G.I main runner 15 x32 mm of 3000 mm length, 0.33 mm thick | each | **164.74** | * |
| 8556 | G.I cross-T 15 x32 mm of 1200 mm length, 0.33 mm thick | each | **67.94** | * |
| 8558 | G.I hanger rod 6mm dia fully threaded upto 1000 mm length | each | **23.27** | * |
| 8559 | Stainless steel U Channel of size (50x25x2mm) | metre | **139.61** | * |
| 8560 | Non staining water resistant clear silicon | metre | **56.77** | * |
| 8561 | Extruded polystyrene rigid insulation board 50 mm thick | sqm | **465.36** | * |
| 8563 | 15 mm thick, light weight, integral densified micro look edged,false ceiling tiles of size 595x595 mm. | sqm | **837.65** | * |
| 8564 | 15 mm thick, light weight,fully perforated square/butt edge integral densified,false ceiling tiles of size 595x595 mm. | sqm | **805.08** | * |
| 8565 | Galavanised MS hanger rod 6 mm dia MS fully threaded up to 1000 mm length | each | **23.27** | * |
| 8566 | Powder coated steel section main-T ceiling sections 15x42x0.40 mm (3000 mm long) | each | **209.41** | * |
| 8567 | Galvanized mild steel perimeter wall angle 22x19x0.40 mm (3000 mm long) | each | **102.38** | * |
| 8568 | Powder coated Galvanised Iron intermediate cross-T section 15x42x0.40 mm (1200 mm long) | each | **83.77** | * |
| 8569 | Powder coated Galvanized Iron intermediate cross-T section 15x42x0.40mm (600 mm long ) | each | **41.88** | * |
| 8576 | Crates made of Mesh type 10x12 (D=100 mm) Zinc coated. (Mesh wire diameter 3.00 mm). | sqm | **176.84** | * |
| 8577 | Crates made of Mesh type 10x12 (D=100 mm) Zn+PVC coated. Mesh wire diameter 2.70/3.70 mm (ID/OD). | sqm | **204.76** | * |
| 8578 | Crates made of Mesh type 10x12 (D=100 mm) Zn+10% Al alloy + PVC coated. Mesh wire diameter 2.70/3.70 mm (ID/OD). | sqm | **269.91** | * |
| 8579 | Cold form light gauge Steel C-section of thickness 0.75mm i/c zink coating/sliting etc. | kg | **117.27** | * |
| 8580 | Wastage of cold form light gauge steel | kg | **15.82** | * |
| 8581 | 12 mm thick micro tegular edged semi perforated GRG (Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm | sqm | **580.77** | * |
| 8582 | 12 mm thick micro tegular edged fully perforated GRG (Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm | sqm | **657.09** | * |
| 8583 | 10 mm thick square edge fully perforated GRG(Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm | sqm | **657.09** | * |
| 8587 | Galvanized iron intermediate cross-T section 15x32x0.33 mm (600 mm long) | each | **31.64** | * |
| 8588 | Galavanised MS hanger rod 6mm dia MS fully threaded up to 1000 mm length | each | **23.27** | * |
| 8589 | Calcium Silicate tegular edged celling tiles 595x595 mm and 15mm thick | sqm | **800.42** | * |
| 8590 | Galvanised Steel main Tee ceiling section Size 24x38x0.33 mm(3 metre long) | each | **105.17** | * |
| 8591 | Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long) | each | **58.64** | * |
| 8592 | Galvanised Steel intermediate cross T section Size 24 x 25 x0.33 mm (1.2 metre long) | each | **35.37** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 8593 | Galvanised Steel intermediate cross T section Size 24 x 25 x0.33 mm ( 0.6 metre long) | each | **17.68** | * |
| 8594 | Galvanised Steel soffit cleat size 25x35x1.60 mm | each | **3.72** | * |
| 8595 | Wooden screws with plastic rawl plugs 35x8 mm | each | **0.93** | * |
| 8596 | Galvanised MS 8mm outer diameter M-6 dash fastener 25mm long | each | **28.85** | |
| 8597 | GI Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick | sqm | **604.97** | * |
| 8598 | GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick | sqm | **755.75** | * |
| 8599 | GI Metal Tile Lay-in Plain Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick | sqm | **474.67** | * |
| 8600 | GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick | sqm | **567.74** | * |
| 8601 | PVC Laminated Gypsum Tiles (Square edge) of Size 595x595 mm and 12.5 mm thick | sqm | **437.44** | * |
| 8602 | Gypsum Tiles Fully Perforated Square edge of Size 595x595 mm and 12.5 mm thick | sqm | **446.75** | * |
| 8604 | Spring T-section 24x34x0.45 mm (3.00 meter long) | metre | **167.53** | * |
| 8605 | C Wall angle section 20x30x20x0.50 mm (3.00 meter long) | metre | **83.77** | * |
| 8606 | Main C Carrier Size 10x38x10x0.70 mm (3.00 meter long) | metre | **102.38** | * |
| 8607 | Spring T-connector | each | **4.65** | * |
| 8608 | C Carrier Connector | each | **10.24** | * |
| 8609 | C Suspension Clip | each | **7.45** | * |
| 8610 | Wire Coupling Clip | each | **8.38** | * |
| 8611 | Main T ceiling sections 24x38x0.3 mm (3 meter long) | each | **94.00** | * |
| 8612 | Perimeter Wall angle 21 x21 mm ( 3 meter long) | each | **69.80** | * |
| 8613 | Intermediate Cross Channel (1.2 mtrs) | each | **31.64** | * |
| 8614 | Intermediate Cross Channel (1.6 mtrs) | each | **15.82** | * |
| 8615 | Hanger rod 0.5 mm thick | each | **7.45** | * |
| 8616 | Adjustment clip | each | **4.65** | * |
| 8617 | Soffit Cleat | each | **3.72** | * |
| 8618 | Dash fastener 6 mm dia 50 mm long | each | **7.45** | * |
| 8619 | Galavanised MS L-shape level adjuster of size 85x25x2 mm | each | **13.03** | * |
| 8620 | Vitrified floor tiles 50x50 cm | sqm | **456.05** | * |
| 8621 | Vitrified floor tiles 60x60 cm | sqm | **558.43** | * |
| 8622 | Vitrified floor tiles 80x80 cm | sqm | **791.11** | * |
| 8623 | Vitrified floor tiles 1 00x1 00 cm | sqm | **1293.71** | * |
| 8624 | "Border tiles 200x75mm size | each | **14.89** | |
| 8625 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 16 mm Outer dia | metre | **35.82** | **** |
| 8626 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 20mm Outer dia | metre | **55.18** | **** |
| 8627 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 25mm Outer dia | metre | **85.20** | **** |
| 8628 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 32mm Outer dia | metre | **137.48** | **** |
| 8629 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 40mm Outer dia | metre | **206.21** | **** |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 8630 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 50mm Outer dia | metre | **322.39** | **** |
| 8631 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 63mm Outer dia | metre | **496.66** | **** |
| 8632 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 75mm Outer dia | metre | **677.71** | **** |
| 8633 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 -90mm Outer dia | metre | **1032.05** | **** |
| 8634 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR -11-110 mm Outer dia | metre | **1161.78** | **** |
| 8635 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR-11 -160mm Outer dia | metre | **2420.36** | **** |
| 8636 | Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm outer dia | metre | **32.58** | * |
| 8637 | Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm outer dia | metre | **50.26** | * |
| 8638 | Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm outer dia | metre | **72.60** | * |
| 8639 | Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia | metre | **108.89** | * |
| 8640 | Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm outer dia | metre | **148.92** | * |
| 8641 | Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm outer dia | metre | **249.43** | * |
| 8642 | Chlorinated Polyvinyl - chloride (CPVC) pipe 62.5 mm inner dia | metre | **605.90** | * |
| 8643 | Chlorinated Polyvinyl - chloride (CPVC) pipe 75 mm inner dia | metre | **679.43** | * |
| 8644 | Chlorinated Polyvinyl - chloride (CPVC) pipe 100 mm inner dia | metre | **916.76** | * |
| 8645 | Chlorinated Polyvinyl - chloride (CPVC) pipe 150 mm inner dia | metre | **1360.72** | * |
| 8646 | Silicon sealant | cartridge | **93.07** | * |
| 8647 | Stainless steel screws 30mmx4mm | cent | **29.78** | * |
| 8648 | Hermetically sealed double glazed unit made with 6mm thick clear float glass both side having 12 mm air gap | sqm | **1961.96** | * |
| 8649 | Stainless steel (ss 304 grade) adjustable friction windows stay 205x19mm | each | **157.29** | * |
| 8650 | Stainless steel (ss 304 grade) adjustable friction window stay 255x19mm | each | **203.83** | * |
| 8651 | Stainless steel (ss 304 grade) adjustable friction window stay 355x19mm | each | **177.77** | * |
| 8652 | Stainless steel (ss 304 grade) adjustable friction window stay 510x19mm | each | **479.32** | * |
| 8653 | Stainless steel (ss 304 grade) adjustable friction window stay 710x19mm | each | **827.41** | * |
| 8654 | Masking tape | metre | **2.14** | * |
| 8655 | Autoclaved aerated cement (AAC) blocks. | cum | **2101.20** | ** |
| 8656 | Gypsum panel 666x500x100 mm size | sqm | **446.75** | * |
| 8657 | Bonding laster for gypsum panel. | kg | **19.55** | * |
| 8658 | Mechanised autoclaved fly ash lime bricks. | 1000 nos | **4434.53** | **** |
| 8659 | Water proof ply 12 mm thick. | sqm | **481.18** | * |
| 8660 | Aluminium casement window fastener(anodised ac 15) | each | **37.23** | * |
| 8661 | A'uminium casement window fastener(powder coated). | each | **40.02** | * |
| 8662 | Aluminium casement window fastener (polyester powder coated). | each | **39.09** | * |
| 8663 | Aluminium round shpe handle (anodised ac" 15) | each | **45.61** | * |
| 8664 | Aluminium round shpe handle (powder coated) | each | **50.26** | * |
| 8665 | Aluminium round shape handle (polyester powder coated). | each | **54.91** | * |
| 8666 | Stainless steei ocrews 25mmx4mm | cent | **32.58** | * |
| 8667 | UV-stabilised 2 mm thick plain frp sheet. | sqm | **437.44** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 8668 | UV stabilised 2 mm thick corrugated frp sheet. | sqm | **502.59** | * |
| 8669 | Mangalore ridgetiles 20 mm thick | each | **7.45** | * |
| 8670 | Mangalore tiles 20 mm thick. | each | **7.45** | * |
| 8671 | Precoated galvanised iron profile sheet 0.50 mm TCT | sqm | **349.02** | * |
| 8672 | Precoated galvanised steel plain ridges 0.50 mm TCT and 500 -600 mm wide Precoated galvanised steel plain ridges 0.50 mm TCT and 500 -600 mm wide | metre | **214.07** | * |
| 8673 | Precoated galvanised steel flashings/aprons. | metre | **214.07** | * |
| 8674 | Precoated galvanised steel gutter | metre | **423.48** | * |
| 8675 | Precoated galvanised steel north light curves. | metre | **232.68** | * |
| 8676 | Precoated galvanised steel barge board | metre | **218.72** | * |
| 8677 | Precoated galvanised steel crimp curve | sqm | **232.68** | * |
| 8678 | 1 mm thick 35 mm wide bright finished stainless steel paino hinges. | metre | **37.23** | * |
| 8682 | Epoxy Grout | kg | **345.30** | * |
| 8683 | Red sand stone gang saw cut 30 mm thick. | sqm | **325.75** | * |
| 8684 | White sand stone gang saw cut 30 mm thick. | sqm | **372.29** | * |
| 8685 | Delineator | each | **255.95** | * |
| 8686 | Precast c.c. kerb stone M-25 | cum | **3536.75** | * |
| 8687 | Thermoplastic paint | kg | **40.47** | * |
| 8688 | glass beads | kg | **55.84** | * |
| 8689 | Interlocing c.c. paverblock (60 mm thick, m-30) | sqm | **325.75** | * |
| 8690 | High intensity retro-reflective sheet. | sqm | **1419.35** | * |
| 8691 | Punched tape concertina coil 600 m dia. 10m openable length (total length 90 m) | bundle | **628.24** | * |
| 8692 | RBT reinforced barbed wire. | metre | **6.52** | * |
| 8693 | Turn buckle and strengthening bolte | each set | **37.23** | * |
| 8694 | Precast pavement slab 450x450x50 mm (m-30). | each | **65.15** | * |
| 8695 | Chain link fabric fencing mesh of size 50x50xmm made of G.I wire of dia. 4mm, pvc coated to outer dia. 5mm. | sqm | **240.13** | * |
| 8696 | Chain lind fabric fencing mesh of size 25x25xmm made of G.I wireof dia. 3 mm. | sqm | **265.26** | * |
| 8697 | Chain link fencing mesh of size 25x25 mm made of g.i. wire of dia. 3 mm. | sqm | **316.45** | * |
| 8698 | Stainless steei cramps with nuts, bolts and washer for dry stone cladding. | each | **83.77** | * |
| 8699 | 8 mm thick tapered edge calcium silicated board. | sqm | **232.68** | * |
| 8700 | 10 mm thick calcium silicate board. | sqm | **372.29** | * |
| 8701 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 48.60 mm outer dia | metre | **543.54** | * |
| 8702 | Coupling/Socket fittings for 15.88 mm outer dia SS pipe | each | **39.09** | * |
| 8703 | Telescopic drawer channels 300 mm long. | set | **139.61** | * |
| 8704 | Stainless steel roller for sliding arrangement in racks/cupboards/cabinets shutter. | each | **8.38** | * |
| 8705 | 50 mm x42mm x2 mm thick factory made door frame of pvc extruded sections in whiter, grey or wooden finish | metre | **139.61** | * |
| 8706 | 25mm thick factory made pvc flush door shutter i/c carriage. | sqm | **1582.23** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 8707 | Factory made glass reinforced plastic door frame 90x45 mm i/c carriage. | metre | **307.14** | * |
| 8708 | 30 mm thick factory made glass fiber reinforced plastic panel door shutter i/c carriage. | sqm | **1582.23** | * |
| 8709 | 30 mm thick factory made solid PVC profile panelled door single piece extruded profile decorative finish (wood grain printed on both side) | sqm | **1954.52** | * |
| 8710 | Factory made solid PVC door frame 60x30xmm i/c cariage. | metre | **279.22** | * |
| 8711 | 28 mm factory made solid pvc panel door shutter i/c carriage. | sqm | **1907.98** | * |
| 8712 | 30 mm thick factory made solid PVC profile panelled door single piece extruded profile non decorative finish | sqm | **1861.45** | * |
| 8713 | Fiber glass reinforced plastic chajja. | sqm | **2792.17** | * |
| 8714 | Magnetic catcher triple strip horizontal type. | each | **18.61** | * |
| 8715 | Magnetic catcher double strip horizontal type. , | each | **13.03** | * |
| 8716 | 100 mm mortice lock with 6 levers for aluminium door. | each | **316.45** | * |
| 8717 | 12.5 mm thick glass fibre reinforced gypsum board. | sqm | **181.49** | * |
| 8719 | 2nd class teak wood lipping/moulded beading or taj beading of size,18x5mm | metre | **32.58** | * |
| 8720 | Ceilling sections 0.55 mm thick having a knurled web of 51.55 mm and two flanges of 26 mm each with lips of 10.55 mm. | metre | **32.58** | * |
| 8721 | Perimeter channel having one flange of 20 mm and anotherflange of 30 mm with thickness of 0.55 mm and web of length 27 mm. | metre | **20.48** | * |
| 8722 | Nylon sleeves & wooden screws (40mm) | each | **1.86** | * |
| **8723** | **Counter sunk ribbed head screw 25 mm.** | **cent** | **60.50** | * |
| 8724 | 12 mm thick marine plywood conforming to is: 710 | sqm | **620.79** | * |
| 8725 | 12 mm thick fire retardant plywood conforming to is:5509. | sqm | **744.58** | * |
| 8726 | 1.5 mm thick decorative laminated sheet | sqm | **465.36** | * |
| 8727 | 1.0 mm thick decorative laminated sheet | sqm | **232.68** | * |
| 8730 | 30 mm thick factory made glass fibre reinforced plasitc flush door shutter i/c carriage. | sqm | **1861.45** | * |
| 8731 | High polymer modified quickset tile adhesive. | per kg | **8.38** | * |
| 8732 | Synthetic ployster triangular fibre of length 12 mm, effective diameter 10-40 microns and specific gravity of 1:34 to 1:40 | kg | **339.71** | * |
| 8733 | Synthetic ployster triangular fibre of length 6 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 | kg | **372.29** | * |
| 8734 | P.V.C. Single piece extruded door frame of profile size 50 mm x 47 mm with wall thickness of 5 mm | metre | **229.89** | * |
| 8735 | 35 mm thick factory made solid panel PVC door shutter of single piece extruded profile non decorative finished (Matt finished) | sqm | **2001.06** | * |
| 8736 | 35 mm thick factory made solid panel PVC door shutter of singlepiece extruded profile decorative finished (Wood grain finished) | sqm | **2419.88** | * |
| 8737 | Stainless steel wire guage (Grade-304) aperture 1.4 mm and 0.50 mm dia wire | sqm | **604.97** | * |
| 8738 | Factory made door frame fire rated ( 60 minutes) made with 16 SWG G.I. Sheet of section 143 mm x 57 mm duly filled with vermuculite based concrete mix | metre | **977.26** | * |
| 8739 | Fire rated door shuttere made with 16 SWG G.I. sheet (60 minutes) without panel | sqm | **4188.26** | * |
| 8740 | Fire seal Putty | kg | **260.60** | * |
| 8741 | Clear fire resistant glass panes 6mm thick (60 minutes) | sqm | **20010.55** | * |
| 8742 | G.I. U beading of 16 SWG G.I. sheet (zinc coating >120gm/m2) with ceramic tape of suitable thickness and fire resistant primer coating | metre | **260.60** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 8743 | Matrix Mineral Board | metre | **60.50** | * |
| 8744 | Panic Bar / latch (Double point) | each | **4839.76** | * |
| 8745 | 65 mm x 55 mm x 2 mm thick Factory made door frame of PVCextruded section in white,grey or wooden finish | metre | **316.45** | * |
| 8746 | 37 mm thick Factory made shutter with style,rails and panels of PVCextruded section in white or grey finish i/c carriage | sqm | **2233.74** | * |
| 8747 | 75 mm x 53 mm x 2.0 mm thick Factory made door frame of PVCextruded section in white,grey or wooden finish | metre | **353.67** | * |
| 8748 | 37 mm thick Factory made fusion welded shutter with style, rails and panels of PVC extruded section in wooden finish | sqm | **2419.88** | * |
| 8750 | Zinc alloy (white powder coated) casement handle for uPVC windows | each | **113.55** | * |
| 8751 | Zinc alloy (white powder coated) Touch Lock for UPVC windows | each | **93.07** | * |
| 8752 | Zinc alloy body with single nylon roller (weight bearing capacity to be 40 Kg) for uPVC sliding window | each | **51.19** | * |
| 8753 | Stainless Steel (SS - 304) with adjustable double nylon roller (weight bearing capacity to be 120 Kg) for uPVC sliding door/window | each | **83.77** | * |
| 8754 | Zinc alloy (white powder coated) casement lock for UPVC windows | each | **102.38** | * |
| 8755 | Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for UPVC windows | each | **181.49** | * |
| 8756 | Stainless steel friction hinge of size 250 mm x 19 x 1.9 mm for UPVC windows | each | **204.76** | * |
| **8757** | Stainless steel friction hinge of size3000 mm x 19 x 1.9 mm for UPVC **windows** | **each** | **218.72** | * |
| 8758 | Stainless steel friction hinge of size350mm x 19 x 1.9 mm for UPVC windows | each | **297.83** | * |
| 8759 | Stainless steel friction hinge of size 400 mm x 19 x 1.9 mm for UPVC windows | each | **325.75** | * |
| 8760 | UPVC extruded profile casement window Frame (50 mm x 50 mm) | metre | **159.75** | **** |
| 8761 | UPVC extruded profile casement window sash (Style and Rail) (62 mm x34 mm) | metre | **145.22** | **** |
| 8762 | UPVC extruded profile casement window mullion (intermediate section)(66 mm x 50 mm) | metre | **179.10** | **** |
| 8763 | UPVC extruded profile casement window 'T' profile (one vertical lengthin between two shutters) (24 mm x 34.5 mm) | metre | **48.41** | **** |
| 8764 | UPVC extruded profile casement window glazing bead (12 mm x 18mm) | metre | **48.41** | **** |
| 8765 | UPVC extruded profile casement window Frame ( 67 mm x 62 mm) | metre | **227.52** | **** |
| 8766 | UPVC extruded profile casement Window Sash/Mullion ( 67 mm x 75mm) (Style,rail and intermediate section) | metre | **256.55** | **** |
| 8767 | UPVC extruded profile casement window glazing bead (35 mm x 18mm) | metre | **82.29** | **** |
| 8768 | UPVC extruded profile Two Track Sliding frame (67 mm x 52 mm) | metre | **237.19** | **** |
| 8769 | UPVC extruded profile Sliding window Sash (60 mm x 44 mm) | metre | **222.68** | **** |
| 8770 | UPVC extruded profile Sliding Interlock for Window (one vertical lengthin each shutter) (45.5 mm x 28 mm) | metre | **48.41** | **** |
| 8771 | UPVC extruded profile Sliding Door Sash (80 mm x 44 mm) | metre | **280.76** | **** |
| 8772 | Aluminium Track on bottom rail for uPVC window | metre | **26.06** | * |
| 8773 | Wool Pine for uPVC window | metre | **18.61** | * |
| 8774 | Aluminium Grill | metre | **232.68** | * |
| 8775 | Steel Galvanised tubular reinforcement for uPVC door/ window | metre | **55.84** | * |
| 8776 | Stainless steel dash fastener of 8 mm dia and 75 mm long bolt | each | **13.03** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 8777 | GI Fastener 100x8 mm | each | **13.96** | |
| 8778 | Toughened glass 12 mm thickness | sqm | **1625.97** | * |
| 8779 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 15.88 mm outer dia | metre | **132.16** | * |
| 8780 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 22.22 mm outer dia | metre | **236.40** | * |
| 8781 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 28.58 mm outer dia | metre | **301.55** | * |
| 8782 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 34.00 mm outer dia | metre | **429.99** | * |
| 8783 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 42.70 mm outer dia | metre | **445.82** | * |
| 8784 | 8 mm thick Calcium silicate perforated tiles of size 595 x595 mm | sqm | **642.20** | * |
| 8785 | Interlocking C.C. paver block ( 80 mm thick, M-30) | sqm | **344.37** | * |
| 8786 | Coupling/Socket fittings for 22.22 mm outer dia SS pipe | each | **58.64** | * |
| 8787 | Coupling/Socket fittings for 28.58 mm outer dia SS pipe | each | **82.83** | * |
| 8788 | Coupling/Socket fittings for 34.00 mm outer dia SS pipe | each | **121.92** | * |
| 8789 | Coupling/Socket fittings for 42.70 mm outer dia SS pipe | each | **147.05** | * |
| 8790 | Coupling/Socket fittings for 48.60 mm outer dia SS pipe | each | **167.53** | * |
| 8791 | Reducer for 22.22 mm X 15.88 mm outer Dia SS pipe | each | **95.86** | * |
| 8792 | Reducer for 28.58 mm X 15.88 mm outer Dia SS pipe | each | **131.23** | * |
| 8793 | Reducer for 28.58 mm X 22.22 mm outer Dia SS pipe | each | **134.95** | * |
| 8794 | Reducer for 34.00 mm X 15.88 mm outer Dia SS pipe | each | **171.25** | * |
| 8795 | Reducer for 34.00 mm X 22.22 mm outer Dia SS pipe | each | **174.05** | * |
| 8796 | Reducer for 34.00 mm X 28.58 mm outer Dia SS pipe | each | **176.84** | * |
| 8797 | Reducer for 42.70 mm X 15.88 mm outer Dia SS pipe | each | **334.13** | * |
| 8798 | Reducer for 42.70 mm X 22.22 mm outer Dia SS pipe | each | **336.92** | * |
| 8799 | Reducer for 42.70 mm X 28.58 mm outer Dia SS pipe | each | **336.92** | * |
| 8800 | Reducer for 42.70 mm X 34.00 mm outer Dia SS pipe | each | **360.19** | * |
| 8801 | Reducer for 48.60 mm X 15.88 mm outer Dia SS pipe | each | **381.60** | * |
| 8802 | Reducer for 48.60 mm X 22.22 mm outer Dia SS pipe | each | **381.60** | * |
| 8803 | Reducer for 48.60 mm X 28.58 mm outer Dia SS pipe | each | **381.60** | * |
| 8804 | Reducer for 48.60 mm X 34.00 mm outer Dia SS pipe | each | **381.60** | * |
| 8805 | Reducer for48.60 mm X 42.70 mm outer Dia SS pipe | each | **381.60** | * |
| 8806 | Slip Coupling / Socket 15.88 mm outer dia SS pipe | each | **43.74** | * |
| 8807 | Slip Coupling / Socket 22.22 mm outer dia SS pipe | each | **58.64** | * |
| 8808 | Slip Coupling / Socket 28.58 mm outer dia SS pipe | each | **82.83** | * |
| 8809 | Slip Coupling / Socket 34.00 mm outer dia SS pipe | each | **121.92** | * |
| 8810 | Slip Coupling / Socket 42.70 mm outer dia SS pipe | each | **147.05** | * |
| 8811 | Slip Coupling / Socket 48.60 mm outer dia SS pipe | each | **158.22** | * |
| 8812 | Elbow 90o for 15.88 mm outer dia SS pipe | each | **53.98** | * |
| 8813 | Elbow 90o for 22.22 mm outer dia SS pipe | each | **58.64** | * |
| 8814 | Elbow 90o for 28.58 mm outer dia SS pipe | each | **89.35** | * |
| 8815 | Elbow 90o for 34.00 mm outer dia SS pipe | each | **101.45** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 8816 | Elbow 90o for 42.70 mm outer dia SS pipe | each | **107.96** | * |
| 8817 | Elbow 90o for 48.60 mm outer dia SS pipe | each | **139.61** | * |
| 8818 | Reducing Elbow 90o for 22.22 mm X 15.88 mm outer dia SS pipe | each | **137.75** | * |
| 8819 | Reducing Elbow 90o for 28.58 mm X 15.88 mm outer dia SS pipe | each | **177.77** | * |
| 8820 | Reducing Elbow 90o for 28.58 mm X 22.22 mm outer dia SS pipe | each | **205.69** | * |
| 8821 | Reducing Elbow 90o for 34.00 mm X 22.22 mm outer dia SS pipe | each | **267.12** | * |
| 8822 | Reducing Elbow 90o for 34.00 mm X 28.58 mm outer dia SS pipe | each | **368.57** | * |
| 8823 | Reducing Elbow 90o for 42.70 mm X 34.00 mm outer dia SS pipe | each | **166.60** | * |
| 8824 | Equal Tee for 15.88 mm outer dia SS pipe | each | **147.99** | * |
| 8825 | Equal Tee for 22.22 mm outer dia SS pipe | each | **215.00** | * |
| 8826 | Equal Tee for 28.58 mm outer dia SS pipe | each | **254.09** | * |
| 8827 | Equal Tee for 34.00 mm outer dia SS pipe | each | **406.73** | * |
| 8828 | Equal Tee for 42.70 mm outer dia SS pipe | each | **635.68** | * |
| 8829 | Equal Tee for 48.60 mm outer dia SS pipe | each | **825.55** | * |
| 8830 | Reducing Tee for 22.22 mm X 15.88 mm outer dia SS pipe | each | **166.60** | * |
| 8831 | Reducing Tee for 28.58 mm X 15.88 mm outer dia SS pipe | each | **254.09** | * |
| 8832 | Reducing Tee for 28.58 mm X 22.22 mm outer dia SS pipe | each | **254.09** | * |
| 8833 | Reducing Tee for 34.00 mm X 15.88 mm outer dia SS pipe | each | **406.73** | * |
| 8834 | Reducing Tee for 34.00 mm X 22.22 mm outer dia SS pipe | each | **406.73** | * |
| 8835 | Reducing Tee for 34.00 mm X 28.58 mm outer dia SS pipe | each | **406.73** | * |
| 8836 | Reducing Tee for 42.70 mm X 15.88 mm outer dia SS pipe | each | **635.68** | * |
| 8837 | Reducing Tee for 42.70 mm X 22.22 mm outer dia SS pipe | each | **635.68** | * |
| 8838 | Reducing Tee for 42.70 mm X 28.58 mm outer dia SS pipe | each | **635.68** | * |
| 8839 | Reducing Tee for 42.70 mm X 34.00 mm outer dia SS pipe | each | **635.68** | * |
| 8840 | Reducing Tee for 48.60 mm X 15.88 mm outer dia SS pipe | each | **825.55** | * |
| 8841 | Reducing Tee for 48.60 mm X 22.22 mm outer dia SS pipe | each | **825.55** | * |
| 8842 | Reducing Tee for 48.60 mm X 28.58 mm outer dia SS pipe | each | **825.55** | * |
| 8843 | Reducing Tee for 48.60mm X 34.00 mm outer dia SS pipe | each | **825.55** | * |
| 8844 | Reducing Tee for 48.60mm X 42.70mm outer dia SS pipe | each | **825.55** | * |
| 8845 | Male thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded | each | **166.60** | * |
| 8846 | Male thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded | each | **186.14** | * |
| 8847 | Male thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded | each | **190.80** | * |
| 8848 | Male thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded | each | **254.09** | * |
| 8849 | Male thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded | each | **254.09** | * |
| 8850 | Male thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded | each | **254.09** | * |
| 8851 | Male thread Tee for 34.00 mm outer dia X 15 mm nominal dia | each | **406.73** | * |
| 8852 | Male thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded | each | **406.73** | * |
| 8853 | Male thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded | each | **406.73** | * |
| 8854 | Male thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded | each | **406.73** | * |
| 8855 | Male thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded | each | **635.68** | * |
| 8856 | Male thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded | each | **635.68** | * |
| 8857 | Male thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded | each | **635.68** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 8858 | Male thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded | each | **635.68** | * |
| 8859 | Male thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded | each | **635.68** | * |
| 8860 | Male thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded | each | **825.55** | * |
| 8861 | Male thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded | each | **825.55** | * |
| 8862 | Male thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded | each | **825.55** | * |
| 8863 | Male thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded | each | **825.55** | * |
| 8864 | Male thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded | each | **825.55** | * |
| 8865 | Male thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded | each | **825.55** | * |
| 8866 | Female thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded | each | **166.60** | * |
| 8867 | Female thread Tee for 22.22 mm outer dia X 15 mm nominal dia | each | **186.14** | * |
| 8868 | Female thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded | each | **186.14** | * |
| 8869 | Female thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded | each | **254.09** | * |
| 8870 | Female thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded | each | **254.09** | * |
| 8871 | Female thread Tee for 28.58 mm outer dia X 25 mm nominal dia threaded | each | **254.09** | * |
| 8872 | Female thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded | each | **406.73** | * |
| 8873 | **Female thread Tee for 34.00 mm outer dia X 20 mm nominal dia** threaded | each | **406.73** | * |
| 8874 | Female thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded | each | **406.73** | * |
| 8875 | Female thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded | each | **406.73** | * |
| 8876 | Female thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded | each | **635.68** | * |
| 8877 | Female thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded | each | **635.68** | * |
| 8878 | Female thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded | each | **635.68** | * |
| 8879 | Female thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded | each | **635.68** | * |
| 8880 | Female thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded | each | **635.68** | * |
| 8881 | Female thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded | each | **825.55** | * |
| 8882 | Female thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded | each | **825.55** | * |
| 8883 | Female thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded | each | **825.55** | * |
| 8884 | Female thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded | each | **825.55** | * |
| 8885 | Female thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded | each | **825.55** | * |
| 8886 | Female thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded | each | **825.55** | * |
| 8887 | Female threaded Connector/Adapter for 15.88 mm outer dia X 15mm nominal threaded | each | **176.84** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 8888 | Female threaded Connector/Adapter for 22.22 mm outer dia X 15mm nominal threaded | each | **214.07** | * |
| 8889 | Female threaded Connector/Adapter for 22.22 mm outer dia X 20mm nominal threaded | each | **220.58** | * |
| 8890 | Female threaded Connector/Adapter for 28.58 mm outer dia X 15mm nominal threaded | each | **257.81** | * |
| 8891 | Female threaded Connector/Adapter for 28.58 mm outer dia X 20mm nominal threaded | each | **266.19** | * |
| 8892 | Female threaded Connector/Adapter for 28.58 mm outer dia X 25mm nominal threaded | each | **313.65** | * |
| 8893 | Female threaded Connector/Adapter for 34.00 mm outer dia X 25mm nominal threaded | each | **380.67** | * |
| 8894 | Female threaded Connector/Adapter for 34.00 mm outer dia X 32mm nominal threaded | each | **500.73** | * |
| 8895 | Female threaded Connector/Adapter for 42.70 mm outer dia X 32mm nominal threaded | each | **536.10** | * |
| 8896 | Female threaded Connector/Adapter for 42.70 mm outer dia X 40mm nominal threaded | each | **633.82** | * |
| 8897 | Female threaded Connector/Adapter for 48.60 mm outer dia X 40mm nominal threaded | each | **779.95** | * |
| 8898 | Female threaded Connector/Adapter for 48.60 mm outer dia X 50mm nominal threaded | each | **898.15** | * |
| 8899 | Male threaded Connector/Adapter for 15.88 mm outer dia X 15mm nominal threaded | each | **179.63** | * |
| 8900 | Male threaded Connector/Adapter for 22.22 mm outer dia X 15mm nominal threaded | each | **211.27** | * |
| 8901 | Male threaded Connector/Adapter for 22.22 mm outer dia X 20mm nominal threaded | each | **230.82** | * |
| 8902 | Male threaded Connector/Adapter for 28.58 mm outer dia X 20mm nominal threaded | each | **291.32** | * |
| 8903 | Male threaded Connector/Adapter for 28.58 mm outer dia X 25mm nominal threaded | each | **297.83** | * |
| 8904 | Male threaded Connector/Adapter for 34.00 mm outer dia X 25nominal dia threaded | each | **429.06** | * |
| 8905 | Male threaded Connector/Adapter for 34.00 mm outer dia X 32nominal dia threaded | each | **525.86** | * |
| 8906 | Male threaded Connector/Adapter for 42.70 mm outer dia X 32nominal dia threaded | each | **604.04** | * |
| 8907 | Male threaded Connector/Adapter for 42.70 mm outer dia X 40 nominal dia threaded | each | **675.71** | * |
| 8908 | Male threaded Connector/Adapter for 48.60 mm outer dia X 40 | each | **781.81** | * |
| 8909 | Male threaded Connector/Adapter for 48.60 mm outer dia X 50 nominal dia threaded | each | **1059.16** | * |
| 8910 | Valve Connector for 15.88 mm outer dia X 15 mm nominal dia nominal dia threaded | each | **217.79** | * |
| 8911 | Valve Connector for 22.22 mm outer dia X 15 mm nominal dia nominal dia threaded | each | **256.88** | * |
| 8912 | Valve Connector for 22.22 mm outer dia X 20 mm nominal dia nominal dia threaded | each | **274.56** | * |
| 8913 | Valve Connector for 28.58 mm outer dia X 25 mm nominal dia nominal dia threaded | each | **394.63** | * |
| 8914 | Valve Connector for 34.00 mm outer dia X 32 mm nominal dia nominal dia threaded | each | **585.43** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 8915 | Valve Connector for 42.70 mm outer dia X 40 mm nominal dia nominal dia threaded | each | **814.38** | * |
| 8916 | Valve Connector for 48.60 mm outer dia X 50 mm nominal dia nominal dia threaded | each | **1094.53** | * |
| 8917 | Female Threaded Elbow 90o for 15.88 mm outer dia X 15 mm nominal dia threaded | each | **139.61** | * |
| 8918 | Female Threaded Elbow 90o for 22.22 mm outer dia X 15 mm nominal dia threaded | each | **177.77** | * |
| 8919 | Female Threaded Elbow 90o for 22.22 mm outer dia X 20 mm nominal dia threaded | each | **177.77** | * |
| 8920 | Female Threaded Elbow 90o for 28.58 mm outer dia X 25 mm nominal dia threaded | each | **190.80** | * |
| 8921 | Female Threaded Elbow 90o for 34.00 mm outer dia X 32 mm nominal dia threaded | each | **267.12** | * |
| 8922 | Female Threaded Elbow 90o for 42.70 mm outer dia X 32 mm nominal dia threaded | each | **444.89** | * |
| 8923 | Female Threaded Elbow 90o for 42.70 mm outer dia X40 mm nominal dia threaded | each | **444.89** | * |
| 8924 | Female Threaded Elbow 90o for 48.60 mm outer dia X 40 mm nominal dia threaded | each | **635.68** | * |
| 8925 | Female Threaded Elbow 90o for 48.60 mm outer dia X 50 mm nominal dia threaded | each | **635.68** | * |
| 8926 | Male Threaded Elbow 90o for 15.88 mm outer dia X 15 mm nominal dia threaded | each | **177.77** | * |
| 8927 | Male Threaded Elbow 90o for 22.22 mm outer dia X 15 mm nominal dia threaded | each | **190.80** | * |
| 8928 | Male Threaded Elbow 90o for 22.22 mm outer dia X 20 mm nominal dia threaded | each | **190.80** | * |
| 8929 | Male Threaded Elbow 90o for 28.58 mm outer dia X 25 mm nominal dia threaded | each | **190.80** | * |
| 8930 | MaleThreaded Elbow 90o for 34.00 mm outer dia X 25 mm nominal dia threaded | each | **267.12** | * |
| 8931 | Male Threaded Elbow 90o for 34.00 mm outer dia X 32 mm nominal dia threaded | each | **267.12** | * |
| 8932 | Male Threaded Elbow 90o for 42.70 mm outer dia X 32 mm nominal dia threaded | each | **444.89** | * |
| 8933 | Male Threaded Elbow 90o for 42.70 mm outer dia X40 mm nominal dia threaded | each | **444.89** | * |
| 8934 | Male Threaded Elbow 90o for 48.60 mm outer dia X 40 mm nominal dia threaded | each | **635.68** | * |
| 8935 | Male Threaded Elbow 90o for 48.60 mm outer dia X 50 mm nominal | each | **635.68** | * |
| 8936 | Cap for 15.88 mm outer dia pipe | each | **41.88** | * |
| 8937 | Cap for 22.22 mm outer dia pipe | each | **59.57** | * |
| 8938 | Cap for 28.58 mm outer dia pipe | each | **78.18** | * |
| 8939 | Cap for 34.00 mm outer dia pipe | each | **161.02** | * |
| 8940 | Cap for 42.70 mm outer dia pipe | each | **235.47** | * |
| 8941 | Cap for 48.60 mm outer dia pipe | each | **307.14** | * |
| 8942 | Pipe Bridge for 15.88 mm outer dia pipe | each | **199.17** | * |
| 8943 | Pipe Bridge for 15.88 mm outer dia pipe | each | **252.23** | * |
| 8944 | Pipe Bridge for 28.58 mm outer dia pipe | each | **378.80** | * |
| 8945 | 4 Point facade glass bracket | Nos | **3088.14** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 8946 | 2 Point facade glass bracket | Nos | **1544.07** | * |
| 8947 | 1 Point facade glass bracket | Nos | **1209.94** | * |
| 8948 | Flate head bolt | Nos | **605.90** | * |
| 8949 | 400 fin plate at top | pair | **5520.12** | * |
| 8953 | Micro Silica | kg | **29.78** | * |
| 8954 | Stop end tubes for diaphragmwall 600 mm dia. | sqm | **4.19** | * |
| 8955 | Driving end tubes for diaphragm wall 600 mm dia. | sqm | **67.01** | * |
| 8956 | Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 15 kN/m in the longitudinal and transverse direction | sqm | **88.42** | * |
| 8957 | Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 20kN/m in the longitudinal and transverse direction | sqm | **101.45** | * |
| 8958 | Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 30kN/m in the longitudinal and transverse direction | sqm | **165.67** | * |
| 8959 | Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 40kN/m in the longitudinal and transverse direction | sqm | **241.99** | * |
| 8960 | Geosynthetic Drainage with two filtering nonwoven geotextiles having a "W" configuration as longitudinal parallel channels. Minimum thickness to be 7.2mm, with two filtering UV stabilized polypropylene nonwoven geotextile of minimum thickness of 0.75mm having pores of 150 micron and tensile strength of 8.0 kN/m and having plane flow capacity of 2.1 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure ,tensile strength of 18 kN/m , with mass per unit area of 740 gsm. | sqm | **469.08** | * |
| 8961 | **Geosynthetic Drainage Composite having thermobonding a draining** core - HDPE geonet comprises of two sets of parallel overlayed ribs integrally connected to have a rhomboidal shape with a polyethylene film and a nonwoven geotextile having mass per unit area 130 g/m2 and tensile strength of 8.0 kN/m having in plane flow capacity of 0.7 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure and tensile strength of 13.5 kN/m , with mass per unit area of 830 gsm, | sqm | **558.43** | * |
| 8962 | Synthetic Geogrid having Ultimate tensile strength- 100 kN/m | sqm | **186.14** | * |
| 8963 | Synthetic Geogrid Ultimate tensile strength- 150 kN/m | sqm | **204.76** | * |
| 8964 | Synthetic Geogrid Ultimate tensile strength- 200 kN/m | sqm | **279.22** | * |
| 8965 | Synthetic Geogrid Ultimate tensile strength- 250 kN/m | sqm | **307.14** | * |
| 8966 | Synthetic Geogrid Ultimate tensile strength- 300kN/m | sqm | **325.75** | * |
| 8967 | Synthetic Geogrid Ultimate tensile strength- 350kN/m | sqm | **362.98** | * |
| 8968 | Synthetic Geogrid Ultimate tensile strength- 400kN/m | sqm | **390.90** | * |
| 8969 | Synthetic Geogrid Ultimate tensile strength- 500kN/m | sqm | **465.36** | * |
| 8970 | Synthetic Geogrid Ultimate tensile strength- 600kN/m | sqm | **511.90** | * |
| 8971 | Synthetic Geogrid Ultimate tensile strength- 700kN/m | sqm | **604.97** | * |
| 8972 | Synthetic Geogrid Ultimate tensile strength- 800kN/m | sqm | **658.95** | * |
| 8973 | Synthetic Geogrid Ultimate tensile strength- 900kN/m | sqm | **782.74** | * |
| 8974 | Synthetic Geogrid Ultimate tensile strength- 1000kN/m | sqm | **884.19** | * |
| 8975 | Synthetic Geogrid Ultimate tensile strength- 1100kN/m | sqm | **930.72** | * |
| 8976 | Synthetic Geogrid Ultimate tensile strength- 1200kN/m | sqm | **1012.63** | * |
| 8977 | Aluminium profile industrial troughed sheet of Alloy 31500/31000/ 40800, conforming to IS 1254, IS 737, IS 2676, 0.71 mm thick, the profile detail width 1044/920 mm, cover width 1000/875 mm. | sqm | **530.51** | * |

| Code No | Description | Unit | Present Approved rate inclusive royalty | Remark |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 10 |
| 8978 | Aluminium profile industrial troughed sheet of Alloy 31500/31000/ 40800, conforming to IS 1254, IS 737, IS 2676, 0.91 mm thick, the profile detail width 1044/920 mm, cover width 1000/875 mm. | sqm | **685.01** | * |
| 9001 | C.P. Brass Centre Hole Basin Mixer With Cast Spout | each | **1116.87** | * |
| 9977 | Carriage | L.S. | **1.80** | * |
| 9988 | Carriage and sundries | L.S. | **1.80** | * |
| 9999 | Sundries | L.S. | **1.80** | * |
| 0842 | Ready mix paint for wood work | Per litre | **182.36** | * |
| 0843 | Ready mix paint for steel work | Per litre | **182.36** | * |
| 0288 | Brick Khoa | Per m3 | 1106.60 | ** |
| **1002** | **Mild steel round bar 12mm dia and below** | quintal | 4545.00 | ** |
| 1007 | Structural steel | quintal | 4155.00 | ** |
| 0993 | Plain A.C sheet standard quality(6mm thick) | sqm | **177.26** | **** |
| 8779 | Paver Block | | | |
| A | M35 grade 60mm thick | | | |
| | White | sqm | 433.26 | ** |
| | Red | sqm | 440.98 | ** |
| | Yellow | sqm | 454.82 | ** |
| B | M40 grade 80mm thick | | | |
| | White | sqm | 497.19 | ** |
| | Red | sqm | 510.20 | ** |
| | Yellow | sqm | 526.65 | ** |
| 8780 | Kerb Stone Block M30 Grade of Size 375mm x 300mm | each | 73.25 | ** |

**Note:-**

* **Rate based on DSR 2016**

** **Approved rate by State level Schedule rate committee**

*** **Approved rate of cement by State level schedule rate committee**

**** **Present BSR**

सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–
सह–अभियंता (प्रमुख),
भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति–
सह–अभियंता प्रमुख
ग्रामीण कार्य विभाग, बिहार, पटना।

सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–
सह–अभियंता प्रमुख
लघु जल संसाधन विभाग, बिहार, पटना।

सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–
सह–मुख्य अभियंता (असैनिक), बिहार स्टेट पावर होल्डिंग कंपनी लि०,बिहार, पटना

सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–
सह–मुख्य अभियंता (विद्युत),
भवन निमार्ण विभाग, बिहार, पटना

सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–
सह–अभियंता प्रमुख, तकनीकी परीक्षण कोषांग,
निगरानी विभाग, बिहार, पटना

सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–
सह–अभियंता प्रमुख, लोक स्वास्थ्य अभियंत्रण संगठन,
बिहार, पटना

सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–
सह–अभियंता प्रमुख (मुख्यालय),
जल संसाधन विभाग, बिहार, पटना

संयोजक
राज्य स्तरीय अनुसूचित दर निर्धारण समिति–सह–
अभियंता प्रमुख–सह–अपर आयुक्त–सह–विशेष सचिव,
पथ निर्माण विभाग, बिहार, पटना।

## SUB HEAD : 0.4

# CAPACITY OF TRUCK

# TRUCK CAPACITY PER TRIP

**VIDE T.E.C.LETTER No 1115DATED 12.07.85**

| S.no | Materials | Truck Capacity | | Net payable Volume or weight col 3*col 4 |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
| **1** | **Lime, Moorum and building rubbish** | 6.00cum | 1.00 | 6.00 cum |
| **2** | **Earth** | 6.00cum | 0.80 | 4.80 cum |
| **3** | **Manure or sludge** | 6.00cum | 0.92 | 5.52 cum |
| **4** | **Excavated rocks(120 Lbs)** | 6.00cum | 0.67 | 4.02 cum |
| **5** | **Stone Metal** | 5.40cum | 0.85 | 4.59 cum |
| **6** | **Soling stone** | 5.00cum | 0.85 | 4.25 cum |
| **7** | **Boulder(90 Lbs to 120 Lbs)** | 6.00cum | 0.8 | 4.80 cum |
| **8** | **Bricks** | 2000Nos | 1.00 | 2000 Nos |
| **9** | **Tiles/Mangra/Mosaic** | 3200Nos | 1.00 | 3200Nos |
| **10** | **Bricks Tiles(300*150*50mm)** | 1760Nos | 1.00 | 1760 Nos |
| **11** | **Cement,Stone blocks ,G.I,C.I, A.C and C.C Pipe below 100 mm dia and other heavy materials** | 8.00Mt | 1.00 | 8.00MT |
| **12** | **Steel** | 8.00Mt | 1.00 | 8.00MT |
| **13** | **Timber** | 9.60 cum | 1.00 | 9.60 cum |
| **14** | **Tar,Bitumen** | 8.00M.T | 1.00 | 8.00MT |
| **15** | **Steam coal** | 8.00 MT | 1.00 | 8.00MT |
| **16** | **S.W.Pipe 60 cm,length** | | | |
| (i) | 100 mm dia | 800No / 480M | 1.00 | 800No / 480M |
| (ii) | 150 mm dia | 400 No / 240 M | 1.00 | 400 No / 240 M |
| (iii) | 200 mm dia | 224 No / 134.40 M | 1.00 | 224 No / 134.40 M |
| (iv) | 230 mm dia | 176 No / 105.60 M | 1.00 | 176 No / 105.60 M |
| (v) | 250 mm dia | 140 No / 84 M | 1.00 | 140 No / 84 M |
| (vi) | 300 mm dia | 112 No / 67.20 M | 1.00 | 112 No / 67.20 M |
| (vii) | 350 mm dia | 80 No / 48 M | 1.00 | 80 No / 48.20 M |
| (viii) | 400 mm dia | 56 No / 33.60 M | 1.00 | 56 No / 33.60 M |
| (ix) | 450 mm dia | 44 No / 26.40 M | 1.00 | 44 No / 26.40 M |
| (x) | 500 mm dia | 40 No / 24.00 M | 1.00 | 40 No / 24.00 M |
| (xi) | 600 mm dia | 32 No / 19.20 M | 1.00 | 32 No / 19.20 M |
| **17** | **R.C.C pipe and A.C pipe** | | | |
| (i) | 100 mm dia | 145 No*2M=290M | 1.00 | 290.00M |
| (ii) | 125 mm dia | 100 No*2M=200M | 1.00 | 200.00M |
| (iii) | 150 mm dia | 90 No*2M=180M | 1.00 | 180.00M |
| (iv) | 200 mm dia | 40No*2.5M=100M | 1.00 | 40No*2.5M=100M |

| S.no | Materials | Truck Capacity | | Net payable Volume or weight col 3*col 4 |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
| (v) | 250 mm dia | 30No*2.50M=75M | 1.00 | 75.00M |
| (vi) | 300 mm dia | 24 No*2.5=60M | 1.00 | 60.00M |
| (vii) | 350 mm dia | 19No*2.5M=47.5M | 1.00 | 47.50M |
| (viii) | 400mm dia & 450mm dia | 13No*2.5M=32.5M | 1.00 | 32.50M |
| (ix) | 500mm dia & 600mm dia | 10No*2.5M=25.0M | 1.00 | 25.00M |
| (x) | 700mm dia & 800mm dia | 6No*2.5M=15M | 1.00 | 15.00M |
| (xi) | 900mm dia & 1100mm dia | 4No*2.5M=10M | 1.00 | 10.00M |
| (xii) | 1100mm dia & 1200mm dia | 3No*2.5M=7.5M | 1.00 | 7.50M |
| **18** | **G.I Crates 1*1.5*0.75 M** | 80 No | 1.00 | 80 No |
| **19** | **Bamboos** | | | |
| (i) | 75 mm dia & 100 mm dia | 280 No | 1.00 | 280 No |
| (ii) | 50 mm dia & 75 mm dia | 300 No | 1.00 | 300 No |
| **20** | **Empty bags of cement length** | 3000 Nos | 1.00 | 280 Nos |
| **21** | **Sal bullah Av 6M** | | | |
| (i) | 100 mm dia | 125 Nos | 1.00 | 125 Nos |
| (ii) | 125 mm dia | 80 Nos | 1.00 | 80 Nos |
| (iii) | 150 mm dia | 60 Nos | 1.00 | 60 Nos |
| (iv) | 175 mm dia | 45 Nos | 1.00 | 45 Nos |
| (v) | 200 mm dia | 25 Nos | 1.00 | 25 Nos |
| (vi) | 225 mm dia | 20 Nos | 1.00 | 20 Nos |
| **22** | **Stone chips and sand** | 5.4 cum | 0.92 | 5.00 cum |
| **23** | **Steel and C.I.Pipe 3.66 M** | | | |
| (i) | 100 mm dia | 80 No*3.66M=292.80M | 1.00 | 292.8M |
| (ii) | 125 mm dia | 60 No*3.66M=219.60M | 1.00 | 219.60M |
| (iii) | 150 mm dia | 50 No*3.66M=183.00M | 1.00 | 183.00M |
| (iv) | 200 mm dia | 30 No*3.66M=109.80M | 1.00 | 109.80M |
| (v) | 250 mm dia | 22 No*3.66M=80.52M | 1.00 | 80.52M |
| (vi) | 300 mm dia | 17 No*3.66M=62.22M | 1.00 | 62.22M |
| (vii) | 350 mm dia | 12 No*3.66M=43.92M | 1.00 | 43.92M |
| (viii) | 400 mm dia | 9 No*3.66M=32.94M | 1.00 | 32.94M |
| (ix) | 500 mm dia | 7 No*3.66M=25.62M | 1.00 | 25.62M |
| (x) | 600 mm dia | 5 No*3.66M=18.30M | 1.00 | 18.30M |

## SUB HEAD : 1.0

# CARRIAGE OF MATERIAL

# CARRIAGE OF MATERIALS( By Tipper )

| Sr no. | Ref. to M.O.R.T Spec. | Description | Unit | Quantity | Rate Rs. | Cost Rs | Remarks/ Input ref. |
|---|---|---|---|---|---|---|---|
| 1.1 | | **Loading and Unloading of Stone Boulder/ Stone aggregates/ Sand/ Kanker/ Moorum.** | cum | | | | |
| | | **Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip** | | | | | |
| | | ***Unit = cum*** | | | | | |
| | | ***Taking output = 5.5 cum*** | | | | | |
| | | **Time required for** | | | | | |
| | | i) Positioning of tipper at loading point | | 1 Min | | | |
| | | ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour | | 13 Min | | | |
| | | iii) Maneuvering, reversing, dumping and turning for return | | 2 Min | | | |
| | | iv) Waiting time, unforeseen contingencies etc | | 4 Min | | | |
| | | Total | | **20 Min** | | | |
| | | **a) Machinery** | | | | | |
| | | Tipper 5.5 tonnes capacity | hour | 0.330 | 1129.0 | 372.57 | **P &M 048** |
| | | Front end-loader 1 cum bucket capacity @ 25 cum/hour | hour | 0.330 | 1528.0 | 504.24 | **P &M 017** |
| | | **b) Overhead charges @ 0.1 on (a)** | | | | **87.68** | |
| | | **c) Contractor's profit @ 0.1 on (a+b)** | | | | **96.45** | |
| | | Cost for 5.5 cum = a+b+c | | | | 1060.94 | |
| | | **Rate per cum = (a+b+c)/ 5.5** | | | | 192.90 | |
| | **Note** | **Unloading will be by tipping.** | | | ***say*** | ***Rs.192.90*** | |
| 1.2 | | **Loading and Unloading of Boulders by Manual Means** | | | | | |
| | | ***Unit = cum*** | | | | | |
| | | ***Taking output = 5.5 cum*** | | | | | |
| | | **a) Labour** | | | | | |
| | | Mate | day | 0.110 | 270.00 | 29.70 | L-12 |
| | | Mazdoor for loading and unloading | day | 0.750 | 254.00 | 190.50 | L-13 |
| | | **b) Machinery** | | | | | |
| | | Tipper 5.5 tonne capacity | hour | 0.750 | 1129.0 | 846.75 | |
| | | **c) Overhead charges @ 0.1 on (a+b)** | | | | **106.70** | |
| | | **d) Contractor's profit @ 0.1 on (a+b+c)** | | | | **117.36** | |
| | | Cost for5.5 cum = a+b+c+d | | | | 1291.01 | |
| | | **Rate per cum = (a+b+c+d)/5.5** | | | | 234.73 | |
| | | | | | ***say*** | ***Rs.235.00*** | |
| | **Note** | **Unloading will be by tipping.** | | | | | |
| 1.3 | | **Loading and Unloading of Cement or Steel by Manual Means and Stacking.** | | | | | |
| | | ***Unit = tonne*** | | | | | |
| | | ***Taking output = 10 tonnes*** | | | | | |
| | | **a) Labour** | | | | | |
| | | Mate | day | 0.080 | 270.00 | 21.60 | L-12 |
| | | Mazdoor for loading and unloading | day | 2.000 | 254.00 | 508.00 | L-13 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | **b) Machinery** | | | | | |
| | | Truck 10 tonne capacity | hour | 2.000 | 882.00 | 1764.00 | |
| | | **c) Overhead charges @ 0.1 on (a+b)** | | | | **229.36** | |
| | | **d) Contractor's profit @ 0.1 on (a+b+c)** | | | | **252.30** | |
| | | Cost for10 tonnes = a+b+c+d | | | | 2775.26 | |
| | | **Rate per tonnes = (a+b+c+d)/10** | | | | 277.53 | |
| | | | | | ***say*** | ***Rs.278.00*** | |
| **1.4** | | **Cost of Haulage Excluding Loading and Unloading** | | | | | |
| | | **Haulage of materials by tipper excluding cost of loading, unloading and stacking.** | | | | | |
| | | ***Unit = t.km*** | | | | | |
| | | ***Taking output 10 tonnes load and lead 10 km = 100 t.km*** | | | | | |
| | **(i)** | **Surfaced Road** | | | | | |
| | | Speed with load : 25 km / hour. | | | | | |
| | | Speed while Returning empty :35 km / hour. | | | | | |
| | | **a) Machinery.** | | | | | |
| | | **Tipper 10 tonne capacity** | | | | | |
| | | Time taken for onward haulage with load | hour | 0.400 | 1129.0 | 451.60 | |
| | | Time taken for empty return trip. | hour | 0.290 | 1129.0 | 327.41 | |
| | | **b) Overhead charges @ 0.1 on (a)** | | | | **77.90** | |
| | | **c) Contractor's profit @ 0.1 on (a+b)** | | | | **85.69** | |
| | | cost for 100 t km = a+b+c | | | | 942.60 | |
| | | **Rate per t.km = (a+b+c)/100** | | | | 9.43 | |
| | | | | | ***say*** | ***Rs.9.40*** | |
| **1.4** | **(ii)** | **Unsurfaced Graveled Road** | | | | | |
| | | Speed with load: 20 km / hour | | | | | |
| | | Speed for empty return trip :30 km / hour | | | | | |
| | | **a) Machinery** | | | | | |
| | | **Tipper 10 tonnes capacity** | | | | | |
| | | Time taken for onward haulage with load | hour | 0.500 | 1129.0 | 564.50 | |
| | | Time taken for empty return trip | hour | 0.330 | 1129.0 | 372.57 | |
| | | **b) Overhead charges @ 0.1 on (a)** | | | | **93.71** | |
| | | **c) Contractor's profit @ 0.1 on (a+b)** | | | | **103.08** | |
| | | Cost for 100 t .km = a+b+c | | | | 1133.85 | |
| | | Rate per t.Km = (a+b+c)/100 | | | | 11.34 | |
| | | | | | ***say*** | ***Rs.11.30*** | |
| **1.4** | **(iii)** | **Katcha Track and Track in River Bed/Nallah Bed and Choe Bed.** | | | | | |
| | | Speed with load :10 km / hour | | | | | |
| | | Speed while returning empty:15 km / hour | | | | | |
| | | **a) Machinery** | | | | | |
| | | **Tipper 10 tonnes capacity** | | | | | |
| | | Time taken for onward haulage | hour | 1.000 | 1129.0 | 1129.00 | |
| | | Time taken for empty return trip | hour | 0.670 | 1129.0 | 756.43 | |
| | | **b) Overhead charges @ 0.1 on (a)** | | | | **188.54** | |
| | | **c) Contractor's profit @ 0.1 on (a+b)** | | | | **207.40** | |
| | | Cost for 100 t .km = a+b+c | | | | 2281.37 | |
| | | **Rate per t.Km = (a+b+c)/100** | | | | 22.81 | |
| | | | | | ***say*** | ***Rs.22.80*** | |

## CARRIAGE OF MATERIALS( By Tractor )

| Sr no. | Ref. to M.O.R.T Spec. | Description | Unit | Quantity | Rate Rs. | Cost Rs | Remarks/ Input ref. |
|---|---|---|---|---|---|---|---|
| 1.1 | | **Loading and Unloading of Stone Boulder/ Stone aggregates/ Sand/Kanker/Moorum.** | cum | | | | |
| | | **Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip** | | | | | |
| | | ***Unit = cum*** | | | | | |
| | | ***Taking output = 2.25 cum*** | | | | | |
| | | **Time required for** | | | | | |
| | | i) Positioning of tipper at loading point | | 1 Min | | | |
| | | ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour | | 5 Min | | | |
| | | **a) Labour** | | | | | |
| | | Mate | day | 0.030 | 270.00 | 8.10 | L-12 |
| | | Mazdoor for loading and unloading | day | 0.720 | 254.00 | 182.88 | L-13 |
| | | **Total** | | **6 Min** | | | |
| | | **a) Machinery** | | | | | |
| | | Tractor 3.6 tonnes tonnes capacity | hour | 0.100 | 575.00 | 57.50 | **P &M 048** |
| | | Front end-loader 1 cum bucket capacity @ 25 cum/hour | hour | 0.083 | 1528.0 | 126.82 | **P &M 017** |
| | | **c) Overhead charges @ 0.1 on (a+b)** | | | | **37.53** | |
| | | **d)Contractor's profit @ 0.1 on (a+b+c)** | | | | **41.28** | |
| | | Cost for2.25 cum = a+b+c+d | | | | 454.12 | |
| | | **Rate per cum = (a+b+c+d)/2.25** | | | | 201.83 | |
| | | | | | ***say*** | ***Rs.202.00*** | |
| | **Note** | **Unloading will be by tipping.** | | | | | |
| 1.2 | | **Loading and Unloading of Boulders by Manual Means** | | | | | |
| | | ***Unit = cum*** | | | | | |
| | | ***Taking output =2.25cum*** | | | | | |
| | | **a) Labour** | | | | | |
| | | Mate | day | 0.050 | 270.00 | 13.50 | L-12 |
| | | Mazdoor for loading and unloading | day | 0.310 | 254.00 | 78.74 | L-13 |
| | | **b) Machinery** | | | | | |
| | | Tipper 3.6 tonne capacity | hour | 0.310 | 575.00 | 178.25 | |
| | | **c) Overhead charges @ 0.1 on (a+b)** | | | | **27.05** | |
| | | **d)Contractor's profit @ 0.1 on (a+b+c)** | | | | **29.75** | |
| | | Cost for2.25 cum = a+b+c+d | | | | 327.29 | |
| | | **Rate per cum = (a+b+c+d)/2.25** | | | | 145.46 | |
| | **Note** | **Unloading will be by tipping.** | | | ***say*** | ***Rs.145.00*** | |
| 1.3 | | **Loading and Unloading of Cement or Steel by Manual Means and Stacking.** | | | | | |
| | | ***Unit = tonne*** | | | | | |
| | | ***Taking output = 3.6 tonnes*** | | | | | |
| | | **a) Labour** | | | | | |
| | | Mate | day | 0.030 | 270.00 | 8.10 | L-12 |
| | | Mazdoor for loading and unloading | day | 0.720 | 254.00 | 182.88 | L-13 |
| | | **b) Machinery** | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | Trractor of 3.6 tonnes capacity | hour | 0.720 | 575.00 | 414.00 | |
| | | **c) Overhead charges @ 0.1 on (a+b)** | | | | **60.50** | |
| | | **d) Contractor's profit @ 0.1 on (a+b+c)** | | | | **66.55** | |
| | | Cost for10 tonnes = a+b+c+d | | | | 732.03 | |
| | | **Rate per tonnes = (a+b+c+d)/2.25** | | | | 203.34 | |
| | | | | | ***say*** | ***Rs.203.00*** | |
| **1.4** | | **Cost of Haulage Excluding Loading and Unloading** | | | | | |
| | | **Haulage of materials by tipper excluding cost of loading, unloading and stacking.** | | | | | |
| | | ***Unit = t.km*** | | | | | |
| | | ***Taking output 3.6 tonnes load and lead 10 km = 36 t.km*** | | | | | |
| | **(i)** | **Surfaced Road** | | | | | |
| | | Speed with load :15 km / hour. | | | | | |
| | | Speed while Returning empty :25 km / hour. | | | | | |
| | | **a) Machinery.** | | | | | |
| | | **Tractor 3.6 tonne capacity** | | | | | |
| | | Time taken for onward haulage with load | hour | 0.667 | 575.00 | 383.53 | |
| | | Time taken for empty return trip. | hour | 0.400 | 575.00 | 230.00 | |
| | | **b) Overhead charges @ 0.1 on (a)** | | | | **61.35** | |
| | | **c) Contractor's profit @ 0.1 on (a+b)** | | | | **67.49** | |
| | | cost for 36 t km = a+b+c | | | | 742.37 | |
| | | **Rate per t.km = (a+b+c)/36** | | | | 20.62 | |
| | | | | | ***say*** | ***Rs.20.60*** | |
| **1.4** | **(ii)** | **Unsurfaced Graveled Road** | | | | | |
| | | Speed with load: 12 km / hour | | | | | |
| | | Speed for empty return trip :20 km / hour | | | | | |
| | | **a) Machinery** | | | | | |
| | | **Tractor 3.6 tonne capacity** | | | | | |
| | | Time taken for onward haulage with load | hour | 0.833 | 575.00 | 478.98 | |
| | | Time taken for empty return trip | hour | 0.500 | 575.00 | 287.50 | |
| | | **b) Overhead charges @ 0.1 on (a)** | | | | **76.65** | |
| | | **c) Contractor's profit @ 0.1 on (a+b)** | | | | **84.31** | |
| | | cost for 36 t km = a+b+c | | | | 927.43 | |
| | | **Rate per t.km = (a+b+c)/36** | | | | 25.76 | |
| | | | | | ***say*** | ***Rs.25.80*** | |
| **1.4** | **(iii)** | **Katcha Track and Track in River Bed/Nallah Bed and Choe Bed.** | | | | | |
| | | Speed with load :10 km / hour | | | | | |
| | | Speed while returning empty:15 km / hour | | | | | |
| | | **a) Machinery** | | | | | |
| | | **Tractor 3.6 tonne capacity** | | | | | |
| | | Time taken for onward haulage | hour | 1.000 | 575.00 | 575.00 | |
| | | Time taken for empty return trip | hour | 0.667 | 575.00 | 383.53 | |
| | | **b) Overhead charges @ 0.1 on (a)** | | | | **95.85** | |
| | | **c) Contractor's profit @ 0.1 on (a+b)** | | | | **105.44** | |
| | | cost for 36 t km = a+b+c | | | | 1159.82 | |
| | | **Rate per t.km = (a+b+c)/36** | | | | 32.22 | |
| | | | | | ***say*** | ***Rs.32.20*** | |

Note वैसे स्थल जहाँ पर Truck एंव Tipper के द्वारा ढुलाई किया जाना संभव नही है तथा Tractor से ढुलाई Economical हो केवल वैसे ही स्थलो के लिए Tractor से ढुलाई का प्रावधान किया जाय।

# SUB HEAD : 14.0
# REPAIRS TO BUILDINGS

# 14.0 Repairs to Buildings

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **14.1** | **Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.** | | | | |
| **14.1.1** | With cement mortar 1:4 (1 cement :4 fine Sand)<br>Detail of cost for 10 sqm<br>MATERIAL<br>Cement mortar 1 : 4 (1 cement : 4 fine sand) | | | | |
| **2113** | Rate as per Item Number 2113 of SH: Mortars | cum | 0.18 | 2534.72 | 463.85 |
| | LABOUR | | | | 0.00 |
| **155** | Mason (average) | day | 1.21 | 305.00 | 369.05 |
| **115** | Coolie | day | 1.29 | 265.00 | 341.85 |
| **114** | Beldar | day | 0.54 | 254.00 | 137.16 |
| **101** | Bhisti | day | 0.92 | 277.00 | 254.84 |
| **9999** | Scaffolding and sundries | L.S. | 15.21 | 1.80 | 27.38 |
| | TOTAL | | | | 1594.13 |
| | Add 1 % Water charges | | | | 15.94 |
| | TOTAL | | | | 1610.07 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 226.22 |
| | Total | | | | 1836.29 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 275.44 |
| | Cost of 10.00 sqm | | | | 2111.73 |
| | Cost of 1.00 sqm | | | | 211.17 |
| | Add labour cess 1% | | | | 2.11 |
| | Rate including labour cess | | | | 213.28 |
| | Say | | | | **213.30** |
| **14.1.2** | With cement mortar 1:4 (1cement: 4 coarse sand)<br>Detail of cost for 10 sqm<br>MATERIAL<br>Cement mortar 1 : 4 (1 cement :4 coarse sand) | | | | |
| **2113** | Rate as per Item Number 2113 of SH: Mortars | cum | 0.18 | 2534.72 | 463.85 |
| | LABOUR | | | | 0.00 |
| **155** | Mason (average) | day | 1.21 | 305.00 | 369.05 |
| **115** | Coolie | day | 1.29 | 265.00 | 341.85 |
| **114** | Beldar | day | 0.54 | 254.00 | 137.16 |
| **101** | Bhisti | day | 0.92 | 277.00 | 254.84 |
| **9999** | Scaffolding and sundries | L.S. | 15.21 | 1.80 | 27.38 |
| | TOTAL | | | | 1594.13 |
| | Add 1 % Water charges | | | | 15.94 |
| | TOTAL | | | | 1610.07 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 226.22 |
| | Total | | | | 1836.29 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 275.44 |
| | Cost of 10.00 sqm | | | | 2111.73 |
| | Cost of 1.00 sqm | | | | 211.17 |
| | Add labour cess 1% | | | | 2.11 |
| | Rate including labour cess | | | | 213.28 |
| | Say | | | | 213.30 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **14.2** | **Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 15 x 10 x 10 cm with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.** | | | | |
| **14.2.1** | Door chowkhats | | | | |
| | Detail of cost for each | | | | |
| **295** | Stone Aggregate (Single size) : 20 mm nominal size | cum | 0.02 | 556.33 | 11.68 |
| **297** | Stone Aggregate (Single size) : 10 mm nominal size | cum | 0.01 | 620.42 | 4.47 |
| **2202** | Carriage of Stone aggregate below 40 mm nominal size | cum | 0.03 | 0.00 | 0.00 |
| **982** | Coarse sand (zone III) | cum | 0.01 | 160.69 | 2.27 |
| **2203** | Carriage of Coarse sand | cum | 0.01 | 0.00 | 0.00 |
| **367** | Portland Cement (OPC-43 grade) | tonne | 0.01 | 5474.00 | 36.13 |
| **2209** | Carriage of Cement | tonne | 0.01 | 96.07 | 0.63 |
| **114** | Beldar | day | 0.03 | 254.00 | 6.86 |
| **115** | Coolie | day | 0.02 | 265.00 | 5.17 |
| **130** | Mistry | day | 0.01 | 254.00 | 2.13 |
| **123** | Mason (brick layer) 1st class | day | 0.00 | 342.00 | 0.62 |
| **124** | Mason (brick layer) 2nd class | day | 0.00 | 305.00 | 0.55 |
| **128** | Mate | day | 0.00 | 270.00 | 0.32 |
| **9999** | Scaffolding | L.S. | 1.43 | 1.80 | 2.57 |
| **9999** | Hire and running charges of mechanical mixer | L.S. | 0.78 | 1.80 | 1.40 |
| **9999** | Sundries | L.S. | 0.39 | 1.80 | 0.70 |
| | Cement mortar 1 : 6 (1 cement : 6 fine sand) | | | | 0.00 |
| **2115** | Rate as per Item Number 2115 of SH: Mortars | cum | 0.01 | 1823.10 | 18.23 |
| **9999** | Cement concrete 1:2:4 filled in chase cut | L.S. | 24.18 | 1.80 | 43.52 |
| **9999** | Painting two coats of coaltar | L.S. | 13.52 | 1.80 | 24.34 |
| **9999** | Disposal of mulba | L.S. | 1.82 | 1.80 | 3.28 |
| **155** | Mason (average) | day | 0.50 | 305.00 | 152.50 |
| **114** | Beldar | day | 0.75 | 254.00 | 190.50 |
| **9999** | Sundries | L.S. | 2.73 | 1.80 | 4.91 |
| | TOTAL | | | | 512.79 |
| | Add 1 % Water charges | | | | 5.13 |
| | TOTAL | | | | 517.91 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 72.77 |
| | Total | | | | 590.68 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 88.60 |
| | Cost of each | | | | 679.28 |
| | Add labour cess 1% | | | | 6.79 |
| | Rate including labour cess | | | | 686.08 |
| | Say | | | | 686.10 |
| **14.2.2** | **Window chowkhats** | | | | |
| | Detail of cost for each | | | | |
| **295** | Stone Aggregate (Single size) : 20 mm nominal size | cum | 0.01 | 556.33 | 7.79 |
| **297** | Stone Aggregate (Single size) : 10 mm nominal size | cum | 0.00 | 620.42 | 2.98 |
| **2202** | Carriage of Stone aggregate below 40 mm nominal size | cum | 0.02 | 0.00 | 0.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **982** | Coarse sand (zone III) | cum | 0.01 | 160.69 | 1.51 |
| **2203** | Carriage of Coarse sand | cum | 0.01 | 0.00 | 0.00 |
| **367** | Portland Cement (OPC-43 grade) | tonne | 0.00 | 5474.00 | 24.09 |
| **2209** | Carriage of Cement | tonne | 0.00 | 96.07 | 0.42 |
| **114** | Beldar | day | 0.02 | 254.00 | 4.57 |
| **115** | Coolie | day | 0.01 | 265.00 | 3.45 |
| **130** | Mistry | day | 0.01 | 254.00 | 1.42 |
| **123** | Mason (brick layer) 1st class | day | 0.00 | 342.00 | 0.41 |
| **124** | Mason (brick layer) 2nd class | day | 0.00 | 305.00 | 0.37 |
| **128** | Mate | day | 0.00 | 270.00 | 0.22 |
| **9999** | Scaffolding and sundries | L.S. | 0.91 | 1.80 | 1.64 |
| **9999** | Hire and running charges of mechanical mixer | L.S. | 0.52 | 1.80 | 0.94 |
| **9999** | Sundries | L.S. | 0.26 | 1.80 | 0.47 |
| | Cement mortar 1 : 6 (1 cement : 6 fine sand) | | | | 0.00 |
| **2115** | Rate as per Item Number 2115 of SH: Mortars | cum | 0.01 | 1823.10 | 10.94 |
| **9999** | Cement concrete 1:2:4 | L.S. | 9.88 | 1.80 | 17.78 |
| **9999** | Painting two coats of coaltar | L.S. | 0.91 | 1.80 | 1.64 |
| **155** | Mason (average) | day | 0.33 | 305.00 | 100.65 |
| **114** | Beldar | day | 0.50 | 254.00 | 127.00 |
| | TOTAL | | | | 308.27 |
| | Add 1 % Water charges | | | | 3.08 |
| | TOTAL | | | | 311.35 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 43.75 |
| | Total | | | | 355.10 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 53.26 |
| | Cost of each | | | | 408.36 |
| | Add labour cess 1% | | | | 4.08 |
| | Rate including labour cess | | | | 412.45 |
| | Say | | | | 412.40 |
| **14.2.3** | **Clerestory window chowkhats** | | | | |
| | **Detail of cost for each** | | | | |
| **0295** | Stone Aggregate (Single size) : 20 mm nominal size | cum | 0.01 | 556.33 | 3.89 |
| **297** | Stone Aggregate (Single size) : 10 mm nominal size | cum | 0.00 | 620.42 | 1.49 |
| **2202** | Carriage of Stone aggregate below 40 mm nominal siz e | cum | 0.01 | 0.00 | 0.00 |
| **982** | Coarse sand (zone III) | cum | 0.00 | 160.69 | 0.76 |
| **2203** | Carriage of Coarse sand | cum | 0.00 | 0.00 | 0.00 |
| **367** | Portland Cement (OPC-43 grade) | tonne | 0.00 | 5474.00 | 12.04 |
| **2209** | Carriage of Cement | tonne | 0.00 | 96.07 | 0.21 |
| **114** | Beldar | day | 0.01 | 254.00 | 2.29 |
| **115** | Coolie | day | 0.01 | 265.00 | 1.72 |
| **130** | Mistry | day | 0.00 | 254.00 | 0.71 |
| **123** | Mason (brick layer) 1st class | day | 0.00 | 342.00 | 0.21 |
| **124** | Mason (brick layer) 2nd class | day | 0.00 | 305.00 | 0.18 |
| **128** | Mate | day | 0.00 | 270.00 | 0.11 |
| **9999** | Scaffolding and sundries | L.S. | 0.52 | 1.80 | 0.94 |
| **9999** | Hire and running charges of mechanical mixer | L.S. | 0.26 | 1.80 | 0.47 |
| **9999** | Sundries | L.S. | 0.13 | 1.80 | 0.23 |
| | **Cement mortar 1 : 6 (1 cement : 6 fine sand)** | | | | 0.00 |
| **2115** | Rate as per Item Number 2115 of SH: Mortars | cum | 0.00 | 1823.10 | 5.47 |
| **9999** | Cement concrete 1:2:4 filled in chase cut | L.S. | 8.06 | 1.80 | 14.51 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **9999** | Painting two coats of coaltar | L.S. | 0.91 | 1.80 | 1.64 |
| **155** | Mason (average) | day | 0.17 | 305.00 | 51.85 |
| **114** | Beldar | day | 0.50 | 254.00 | 127.00 |
| **9999** | Sundries | L.S. | 2.73 | 1.80 | 4.91 |
| | TOTAL | | | | 230.63 |
| | Add 1 % Water charges | | | | 2.31 |
| | TOTAL | | | | 232.93 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 32.73 |
| | Total | | | | 265.66 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 39.85 |
| | Cost of each | | | | 305.51 |
| | Add labour cess 1% | | | | 3.06 |
| | Rate including labour cess | | | | 308.56 |
| | Say | | | | 308.60 |
| **14.3** | **Fixing chowkhat in existing opening in brick/ RCC wall with dash fasteners/ Chemical fasteners of appropriate size (3 nos on each vertical member of door chowkhat and 2 nos on each vertical member of window chowkhats), including Cost of dash fasteners/ chemical fastener.** | | | | |
| | **Details of cost for 1 chowkhat.** | | | | |
| **114** | Beldar | day | 0.03 | 254.00 | 6.86 |
| **115** | Coolie | day | 0.02 | 265.00 | 5.17 |
| **130** | Mistry | day | 0.01 | 254.00 | 2.13 |
| **128** | Mate | day | 0.00 | 270.00 | 0.32 |
| **9999** | Disposal of mulba | L.S. | 1.82 | 1.80 | 3.28 |
| **7019** | Dash fastner/ chemical fastener | each | 6.00 | 13.96 | 83.77 |
| **9999** | Hire charges of drill machine hire charges,Scaffolding and Sundries | L.S. | 12.22 | 1.80 | 22.00 |
| | TOTAL | | | | 123.52 |
| | Add 1 % Water charges | | | | 1.24 |
| | TOTAL | | | | 124.76 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 17.53 |
| | Total | | | | 142.28 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 21.34 |
| | Cost of each | | | | 163.63 |
| | Add labour cess 1% | | | | 1.64 |
| | Rate including labour cess | | | | 165.26 |
| | Say | | | | 165.30 |
| **14.4** | **Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per direction of Engineer-in-Charge.** | | | | |
| **14.4.1** | **For door/ window/ clerestory window**<br>**Details of cost for one opening of size0.90x2.10m = 1.89 sqm**<br>**Cement mortar 1:6 (1 cement: 6 fine sand)** | | | | |
| **2115** | Rate as per Item Number 2115 of SH: Mortars | cum | 0.01 | 1823.10 | 18.23 |
| **9999** | Cement concrete 1:2:4 filled in chase cut | L.S. | 24.57 | 1.80 | 44.23 |
| **124** | Mason (brick layer) 2nd class | day | 0.50 | 305.00 | 152.50 |
| **114** | Beldar | day | 1.20 | 254.00 | 304.80 |
| **115** | Coolie | day | 0.40 | 265.00 | 106.00 |
| **9999** | Scaffolding and Sundries | L.S. | 3.50 | 1.80 | 6.30 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 632.06 |
| | Add 1 % Water charges | | | | 6.32 |
| | TOTAL | | | | 638.38 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 89.69 |
| | Total | | | | 728.07 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 109.21 |
| | Cost of 1.89sqm. | | | | 837.28 |
| | Cost of 1.00 sqm | | | | 443.01 |
| | Add labour cess 1% | | | | 4.43 |
| | Rate including labour cess | | | | 447.44 |
| | Say | | | | 447.40 |
| **14.5** | **Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:** | | | | |
| **14.5.1** | **Float glass panes of thickness 4 mm**<br>**Detail of cost for 10 glasses area each 0.1sqm.** | | | | |
| | **MATERIAL** | | | | |
| **2406** | Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).1.00 sqm + 10% wastage= 1.10 Sqm | sqm | 1.10 | 266.19 | 292.81 |
| **9988** | Carriage including sundries | L.S. | 1.82 | 1.80 | 3.28 |
| **863** | Putty for wood work | kilogram | 0.68 | 27.92 | 18.99 |
| **9999** | Painting or varnishing or beewaxing | L.S. | 5.33 | 1.80 | 9.59 |
| **9999** | Sundries Nails etc. | L.S. | 6.76 | 1.80 | 12.17 |
| **119** | Glazier | day | 0.23 | 286.00 | 65.78 |
| **114** | Beldar | day | 0.23 | 254.00 | 58.42 |
| **9999** | Sundries such as Rag, cotton etc | L.S. | 1.43 | 1.80 | 2.57 |
| | TOTAL | | | | 463.61 |
| | Add 1 % Water charges | | | | 4.64 |
| | TOTAL | | | | 468.24 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 65.79 |
| | Total | | | | 534.03 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 80.10 |
| | Cost of 1.00 sqm | | | | 614.14 |
| | Add labour cess 1% | | | | 6.14 |
| | Rate including labour cess | | | | 620.28 |
| | Say | | | | 620.30 |
| **14.5.2** | **Float glass panes of thickness 5.5 mm**<br>Detail of cost for 10 glasses area each 0.1sqm. | | | | |
| | MATERIAL | | | | |
| **2407** | Float glass sheet of nominal thickness 5.5 mm.(weight not less than 13.50 kg/sqm). 1.00 sqm + 10% wastage= 1.10 Sqm | sqm | 1.10 | 456.05 | 501.66 |
| **9988** | Carriage including sundries | L.S. | 1.82 | 1.80 | 3.28 |
| **863** | Putty for wood work | kilogram | 0.68 | 27.92 | 18.99 |
| **9999** | Painting or varnishing or beewaxing | L.S. | 5.33 | 1.80 | 9.59 |
| **9999** | Sundries Nails etc. | L.S. | 6.76 | 1.80 | 12.17 |
| **119** | Glazier | day | 0.23 | 286.00 | 65.78 |
| **114** | Beldar | day | 0.23 | 254.00 | 58.42 |
| **9999** | Sundries such as Rag, cotton etc | L.S. | 1.43 | 1.80 | 2.57 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 672.46 |
| | Add 1 % Water charges | | | | 6.72 |
| | TOTAL | | | | 679.19 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 95.43 |
| | Total | | | | 774.61 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 116.19 |
| | Cost of 1.00 sqm | | | | 890.80 |
| | Add labour cess 1% | | | | 8.91 |
| | Rate including labour cess | | | | 899.71 |
| | Say | | | | 899.70 |
| **14.6** | **Renewing glass panes, with wooden fillets wherever necessary:** | | | | |
| **14.6.1** | Float glass panes of thickness 4 mm<br>Detail of cost for 10 glasses area each 0.1sqm. | | | | |
| | MATERIAL | | | | |
| **2406** | Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm). 1.00 sqm + 10% wastage= 1.10 Sqm | sqm | 1.10 | 266.19 | 292.81 |
| **1189** | Second class teak wood in scantling | 10 cudm | 0.03 | 614.28 | 15.36 |
| **1194** | Second class deodar wood in planks | 10 cudm | 0.03 | 465.36 | 11.63 |
| **1196** | First class kail wood in planks | 10 cudm | 0.03 | 288.52 | 7.21 |
| **9999** | Painting or varnishing or beewaxing | L.S. | 4.42 | 1.80 | 7.96 |
| **9999** | Sundries Nails etc. | L.S. | 2.73 | 1.80 | 4.91 |
| **112** | Carpenter 2nd class | day | 0.20 | 305.00 | 61.00 |
| **119** | Glazier | day | 0.25 | 286.00 | 71.50 |
| **114** | Beldar | day | 0.45 | 254.00 | 114.30 |
| **9999** | Sundries such as Rag, cotton etc | L.S. | 1.82 | 1.80 | 3.28 |
| | TOTAL | | | | 589.96 |
| | Add 1 % Water charges | | | | 5.90 |
| | TOTAL | | | | 595.86 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 83.72 |
| | Total | | | | 679.57 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 101.94 |
| | Cost of 1.00 sqm | | | | 781.51 |
| | Add labour cess 1% | | | | 7.82 |
| | Rate including labour cess | | | | 789.32 |
| | Say | | | | 789.30 |
| **14.6.2** | Float glass panes of thickness 5.5 mm<br>Detail of cost for 10 glasses area each 0.1sqm. | | | | |
| | MATERIAL | | | | |
| **2407** | Float glass sheet of nominal thickness 5.5 mm.(weig ht not less than 13.50 kg/sqm).1.00 sqm + 10% wastage= 1.10 Sqm | sqm | 1.10 | 456.05 | 501.66 |
| **1189** | Second class teak wood in scantling | 10 cudm | 0.03 | 614.28 | 15.36 |
| **1194** | Second class deodar wood in planks | 10 cudm | 0.03 | 465.36 | 11.63 |
| **1196** | First class kail wood in planks | 10 cudm | 0.03 | 288.52 | 7.21 |
| **9999** | Painting or varnishing or beewaxing | L.S. | 4.42 | 1.80 | 7.96 |
| **9999** | Sundries Nails etc. | L.S. | 2.73 | 1.80 | 4.91 |
| **112** | Carpenter 2nd class | day | 0.20 | 305.00 | 61.00 |
| **119** | Glazier | day | 0.25 | 286.00 | 71.50 |
| **114** | Beldar | day | 0.45 | 254.00 | 114.30 |
| **9999** | Sundries such as Rag, cotton etc | L.S. | 1.82 | 1.80 | 3.28 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 798.81 | |
| | Add 1 % Water charges | | | | 7.99 | |
| | TOTAL | | | | 806.80 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 113.36 | |
| | Total | | | | 920.15 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 138.02 | |
| | Cost of 1.00 sqm | | | | 1058.18 | |
| | Add labour cess 1% | | | | 10.58 | |
| | Rate including labour cess | | | | 1068.76 | |
| | Say | | | | 1068.80 | |
| **14.7** | **Renewing glass panes and refixing existing wooden fillets:** | | | | | |
| **14.7.1** | **Float glass panes of thickness 4 mm** | | | | | |
| | Detail of cost for 10 glasses area each 0.1sqm. | | | | | |
| | MATERIAL | | | | | |
| **2406** | Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm). 1.00 sqm + 10% wastage= 1.10 Sqm | sqm | 1.10 | 266.19 | 292.81 | |
| **9977** | Carriage of glasspanes and other materials | L.S. | 2.73 | 1.80 | 4.92 | |
| **9999** | Sundries Nails etc. | L.S. | 9.88 | 1.80 | 17.78 | |
| **9999** | Methylated spirit | L.S. | 5.33 | 1.80 | 9.59 | |
| **119** | Glazier | day | 0.30 | 286.00 | 85.80 | |
| **114** | Beldar | day | 0.30 | 254.00 | 76.20 | |
| **9999** | Sundries | L.S. | 1.43 | 1.80 | 2.57 | |
| | TOTAL | | | | 489.68 | |
| | Add 1 % Water charges | | | | 4.90 | |
| | TOTAL | | | | 494.57 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 69.49 | |
| | Total | | | | 564.06 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 84.61 | |
| | Cost of 1.00 sqm | | | | 648.67 | |
| | Add labour cess 1% | | | | 6.49 | |
| | Rate including labour cess | | | | 655.16 | |
| | Say | | | | 655.20 | |
| **14.7.2** | Float glass panes of thickness 5.5 mm<br>Detail of cost for 10 glasses area each 0.1sqm. | | | | | |
| | MATERIAL | | | | | |
| **2407** | Float glass sheet of nominal thickness 5.5 mm.(weight not less than 13.50 kg/sqm). 1.00 sqm + 10% wastage= 1.10 Sqm | sqm | 1.10 | 456.05 | 501.66 | |
| **9977** | Carriage of glasspanes and other materials | L.S. | 2.73 | 1.80 | 4.92 | |
| **9999** | Sundries Nails etc. | L.S. | 9.88 | 1.80 | 17.78 | |
| **9999** | Methylated spirit | L.S. | 5.33 | 1.80 | 9.59 | |
| **119** | Glazier | day | 0.30 | 286.00 | 85.80 | |
| **114** | Beldar | day | 0.30 | 254.00 | 76.20 | |
| **9999** | Sundries | L.S. | 1.43 | 1.80 | 2.57 | |
| | TOTAL | | | | 698.53 | |
| | Add 1 % Water charges | | | | 6.99 | |
| | TOTAL | | | | 705.52 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 99.13 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Total | | | | 804.64 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 120.70 |
| | Cost of 1.00 sqm | | | | 925.34 |
| | Add labour cess 1% | | | | 9.25 |
| | Rate including labour cess | | | | 934.59 |
| | Say | | | | 934.60 |
| **14.8** | **Supplying and fixing new wooden fillets wherever necessary:** | | | | |
| **14.8.1** | **2nd class teak wood fillets** | | | | |
| | Details of cost for 10 metres length | | | | |
| | MATERIAL | | | | |
| **1190** | Second class teak wood in planks 10.00x0.01x0.01 = 1.00 cudm Add 15% wastage = 0.15 cudm Total = 1.15 cudm | 10 cudm | 0.12 | 628.24 | 72.25 |
| **9999** | Nails | L.S. | 26.91 | 1.80 | 48.44 |
| | LABOUR | | | | 0.00 |
| **112** | Carpenter 2nd class | day | 0.25 | 305.00 | 76.25 |
| **114** | Beldar | day | 0.25 | 254.00 | 63.50 |
| **9999** | Sundries | L.S. | 2.73 | 1.80 | 4.91 |
| | TOTAL | | | | 265.35 |
| | Add 1 % Water charges | | | | 2.65 |
| | TOTAL | | | | 268.00 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 37.65 |
| | Total | | | | 305.66 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 45.85 |
| | Cost of 10.00 metre | | | | 351.51 |
| | Cost of 1.00 metre | | | | 35.15 |
| | Add labour cess 1% | | | | 0.35 |
| | Rate including labour cess | | | | 35.50 |
| | Say | | | | 35.50 |
| **14.8.2** | **Hollock wood fillets** | | | | |
| | Details of cost for 10 metres length | | | | |
| | MATERIAL | | | | |
| **2466** | Hollock wood in scantling 10.00x0.01x0.01 = 1.00 cudm Add 15% wastage = 0.15 cudm Total = 1.15 cudm | 10 cudm | 0.12 | 316.45 | 36.39 |
| **9999** | Nails | L.S. | 26.91 | 1.80 | 48.44 |
| | LABOUR | | | | 0.00 |
| **112** | Carpenter 2nd class | day | 0.25 | 305.00 | 76.25 |
| **114** | Beldar | day | 0.25 | 254.00 | 63.50 |
| **9999** | Sundries | L.S. | 2.73 | 1.80 | 4.91 |
| | TOTAL | | | | 229.49 |
| | Add 1 % Water charges | | | | 2.29 |
| | TOTAL | | | | 231.79 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 32.57 |
| | Total | | | | 264.35 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 39.65 |
| | Cost of 10.00 metre | | | | 304.01 |
| | Cost of 1.00 metre | | | | 30.40 |
| | Add labour cess 1% | | | | 0.30 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Rate including labour cess | | | | 30.70 |
| | Say | | | | 30.70 |
| **14.9** | **Renewal of old putty of glass panes (length)** | | | | |
| | Details of cost for 13 metres length | | | | |
| | MATERIAL | | | | |
| **863** | Putty for wood work | kilogram | 0.68 | 27.92 | 18.99 |
| **9999** | Nails | L.S. | 7.15 | 1.80 | 12.87 |
| **9999** | Spirit | L.S. | 2.73 | 1.80 | 4.91 |
| | LABOUR | | | | 0.00 |
| **112** | Carpenter 2nd class | day | 0.30 | 305.00 | 91.50 |
| **114** | Beldar | day | 0.30 | 254.00 | 76.20 |
| **9999** | Sundries | L.S. | 1.43 | 1.80 | 2.57 |
| | TOTAL | | | | 207.04 |
| | Add 1 % Water charges | | | | 2.07 |
| | TOTAL | | | | 209.12 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 29.38 |
| | Total | | | | 238.50 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 35.77 |
| | Cost of 13.00 metres | | | | 274.27 |
| | Cost of 1.00 metre | | | | 21.10 |
| | Add labour cess 1% | | | | 0.21 |
| | Rate including labour cess | | | | 21.31 |
| | Say | | | | 21.30 |
| **14.10** | Refixing old glass panes with putty and nails | | | | |
| | Details of cost for 1 sqm | | | | |
| **863** | Putty for wood work | kilogram | 0.68 | 27.92 | 18.99 |
| **9999** | Spirit | L.S. | 2.73 | 1.80 | 4.91 |
| **9999** | Nails | L.S. | 7.15 | 1.80 | 12.87 |
| | LABOUR | | | | |
| **119** | Glazier | day | 0.30 | 286.00 | 85.80 |
| **114** | Beldar | day | 0.30 | 254.00 | 76.20 |
| **9999** | Sundries | L.S. | 1.43 | 1.80 | 2.57 |
| | TOTAL | | | | 201.34 |
| | Add 1 % Water charges | | | | 2.01 |
| | TOTAL | | | | 203.36 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 28.57 |
| | Total | | | | 231.93 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 34.79 |
| | Cost of 1.00 sqm | | | | 266.72 |
| | Add labour cess 1% | | | | 2.67 |
| | Rate including labour cess | | | | 269.39 |
| | Say | | | | 269.40 |
| **14.11** | **Fixing old glass panes with wooden fillets (excluding cost of fillets)** | | | | |
| | Detail of cost for 1 sqm | | | | |
| | LABOUR | | | | |
| **119** | Glazier | day | 0.30 | 286.00 | 85.80 |
| **114** | Beldar | day | 0.30 | 254.00 | 76.20 |
| **9999** | Sundries | L.S. | 1.43 | 1.80 | 2.57 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **9999** | Nails | L.S. | 3.90 | 1.80 | 7.02 |
| | TOTAL | | | | 171.59 |
| | Add 1 % Water charges | | | | 1.72 |
| | TOTAL | | | | 173.31 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 24.35 |
| | Total | | | | 197.66 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 29.65 |
| | Cost of 1.00 sqm | | | | 227.31 |
| | Add labour cess 1% | | | | 2.27 |
| | Rate including labour cess | | | | 229.58 |
| | Say | | | | 229.60 |

**14.12 Providing and fixing 16 mm M.S. Fan clamps of standard shape and size in existing R.C.C. slab, including cutting chase, anchoring clamp to reinforcement bar, including cleaning, refilling, making good the chase with matching concrete, plastering and painting the exposed portion of the clamps complete.**

Details of cost for each fan clamp.
MATERIAL
M.S.bar 16mm dia = 40cm (including wastage) @ 1.58 kg/m = 0.632 kg

| | | | | | |
|---|---|---|---|---|---|
| **1003** | Mild steel round bar above 12 mm dia | quintal | 0.01 | 4545.00 | 28.72 |
| **9999** | Cement concrete 1:2:4 (1 Cement : 2 Coarse sand : 4 graded stone aggregate 20mm nominal size) mortar for rendering or plastering | L.S. | 13.52 | 1.80 | 24.34 |
| **9999** | Painting two or more coats to exposed portion of the clamp including priming coat Labour for fixing | L.S. | 7.15 | 1.80 | 12.87 |
| **102** | Blacksmith 1st class | day | 0.03 | 342.00 | 10.26 |
| **124** | Mason (brick layer) 2nd class | day | 0.12 | 305.00 | 36.60 |
| **114** | Beldar | day | 0.25 | 254.00 | 63.50 |
| **9999** | Sundries | L.S. | 2.73 | 1.80 | 4.91 |
| | TOTAL | | | | 181.20 |
| | Add 1 % Water charges | | | | 1.81 |
| | TOTAL | | | | 183.02 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 25.71 |
| | Total | | | | 208.73 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 31.31 |
| | Cost of each | | | | 240.04 |
| | Add labour cess 1% | | | | 2.40 |
| | Rate including labour cess | | | | 242.44 |
| | Say | | | | 242.40 |

**14.13 Regrading terracing of mud phaska covered with tiles or brick, in cement by dismantling tiles or bricks, removing mud plaster, preparing the surface of mud phaska to proper slope, relaying mud plaster gobri leaping and tiles or bricks, grouted in cement mortar 1:3 (1 cement : 3 fine sand), including replacing unserviceable tiles or bricks with new ones and disposal of unserviceable material to the dumping ground (the cost of the new tiles or brick excluded), all complete as per direction of Engineer-in-Charge.**

Detail of cost for 10 sqm

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | (i) Dismantling tiles/bricks in cement mortar including removing mud plaster and cleaning the tiles/bricks | | | | |
| | **LABOUR** | | | | |
| **155** | Mason (average) | day | 0.54 | 305.00 | 164.70 |
| **114** | Beldar | day | 0.54 | 254.00 | 137.16 |
| | (ii) Preparing the surface, for mud phuska to proper slope, relaying mud plaster gobri leeping. | | | | |
| **155** | Mason (average) | day | 0.27 | 305.00 | 82.35 |
| | 25mm thick mud plaster including gobri leaping | | | | |
| | MATERIAL | | | | |
| | Mud mortar | | | | |
| **2112** | Rate as per Item Number 3.18 of SH: Mortars | cum | 0.24 | 3246.34 | 779.12 |
| **308** | Bhusa Gobri mortar | quintal | 0.08 | 558.43 | 46.91 |
| **2112** | Rate as per Item Number 3.18 of SH: Mortars | cum | 0.12 | 3246.34 | 389.56 |
| | LABOUR | | | | |
| **114** | Beldar | day | 0.25 | 254.00 | 63.50 |
| **2112** | (iii) relaying tiles/bricks (Rate as per item No 3.3) including Cement mortar 1:3 (1 Cement :3 fine sand) for grouting | cum | 0.06 | 3246.34 | 198.03 |
| | LABOUR | | | | |
| **155** | Mason (average) | day | 1.20 | 305.00 | 366.00 |
| **114** | Beldar | day | 1.50 | 254.00 | 381.00 |
| **101** | Bhisti | day | 1.00 | 277.00 | 277.00 |
| **9999** | Disposal of mulba | L.S. | 5.33 | 1.80 | 9.59 |
| **9999** | Sundries | L.S. | 2.73 | 1.80 | 4.91 |
| | TOTAL | | | | 2704.09 |
| | Add 1 % Water charges | | | | 27.04 |
| | TOTAL | | | | 2731.13 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 383.72 |
| | Total | | | | 3114.85 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 467.23 |
| | Cost of 10.00 sqm | | | | 3582.08 |
| | Cost of 1.00 sqm | | | | 358.21 |
| | Add labour cess 1% | | | | 3.58 |
| | Rate including labour cess | | | | 361.79 |
| | Say | | | | 361.80 |
| **14.14** | **Replacing sand stone slabs in roofing, laid in cement mortar 1:4 (1 cement : 4 coarse sand), including necessary repairs and cement pointing with same mortar complete, including disposal of rubbish to dumping ground, all complete as per direction of Engineer-in-Charge.** | | | | |
| **14.14.1** | Red/ white sand stone slabs 30 to 50 mm thick | | | | |
| | Detail of cost for 10 sqm Dismantling existing stone, slabs roofing 1x10 sqmx0.05m = 0.50 cum. | | | | |
| **114** | Beldar | day | 0.89 | 254.00 | 224.79 |
| **115** | Coolie | day | 0.38 | 265.00 | 99.38 |
| **9999** | Sundries | L.S. | 4.03 | 1.80 | 7.25 |
| **9999** | Cleaning the surface including necessary repairs | L.S. | 40.43 | 1.80 | 72.77 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **1174** | Red sand stone slab 45 mm and 50 mm thick (un-dressed) | sqm | 11.00 | 209.41 | 2303.54 |
| **2216** | Carriage of Stone blocks white & red sand stone & kota stone slab<br>Cement mortar 1 : 4 (1 cement : 4 coarse sand) | tonne | 1.41 | 96.07 | 135.46 |
| **2113** | Rate as per Item Number 2113 of SH: Mortars<br>Cement mortar 1 : 3 (1 cement : 3 fine sand) | cum | 0.01 | 2534.72 | 26.61 |
| **2112** | Rate as per Item Number 3.3 of SH: Mortars | cum | 0.01 | 3246.34 | 24.35 |
| **155** | Mason (average) | day | 1.69 | 305.00 | 515.45 |
| **100** | Bandhani | day | 2.03 | 270.00 | 548.10 |
| **115** | Coolie | day | 1.69 | 265.00 | 447.85 |
| **101** | Bhisti | day | 0.34 | 277.00 | 94.18 |
| **9999** | Sundries | L.S. | 16.12 | 1.80 | 29.02 |
| **2264** | Carriage of Rubbish | cum | 0.50 | 108.08 | 54.04 |
| | TOTAL | | | | 4582.79 |
| | Add 1 % Water charges | | | | 45.83 |
| | TOTAL | | | | 4628.62 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 650.32 |
| | Total | | | | 5278.94 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 791.84 |
| | Cost of 10.00 sqm | | | | 6070.78 |
| | Cost of 1.00 sqm | | | | 607.08 |
| | Add labour cess 1% | | | | 6.07 |
| | Rate including labour cess | | | | 613.15 |
| | Say | | | | 613.10 |

**14.15 Renewing wooden battens in roofs, including making good the holes in wall and painting with oil type wood preservative of approved brand and manufacture complete, including removal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.**

| | | | | | |
|---|---|---|---|---|---|
| **14.15.1** | **Sal wood battens**<br>Details of cost for 10 battens<br>i.e. 300 cudm 3 metres long of 100x100mm<br>10x3x0.1x0.1 = 0.3cum =300cudm<br>Add wastage @ 2%= 6 cudm, Total<br>= 306 cudm | | | | |
| | MATERIAL | | | | |
| **1199** | Sal wood in scantling | 10 cudm | 30.60 | 558.43 | 17088.08 |
| **2204** | Carriage of Timber | cum | 0.31 | 123.51 | 37.80 |
| | LABOUR | | | | |
| | Taking out the existing battens and refixing new one including supporting the roof | | | | |
| **112** | Carpenter 2nd class | day | 0.50 | 305.00 | 152.50 |
| **114** | Beldar | day | 2.00 | 254.00 | 508.00 |
| **9999** | Disposal of mulba | L.S. | 5.33 | 1.80 | 9.59 |
| **9999** | Making good the holes including sundries | L.S. | 80.73 | 1.80 | 145.31 |
| **859** | Oil type wood preservative | litre | 1.22 | 130.30 | 158.97 |
| **131** | Painter | day | 0.18 | 323.00 | 59.11 |
| **115** | Coolie | day | 0.18 | 265.00 | 48.50 |
| **9977** | Carriage | L.S. | 0.78 | 1.80 | 1.41 |
| **9999** | Brushes | L.S. | 5.07 | 1.80 | 9.13 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **9999** | Sundries | L.S. | 4.81 | 1.80 | 8.66 |
| | TOTAL | | | | 18227.05 |
| | Add 1 % Water charges | | | | 182.27 |
| | TOTAL | | | | 18409.32 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 2586.51 |
| | Total | | | | 20995.83 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 3149.37 |
| | Cost of 300 Cudm | | | | 24145.20 |
| | Cost of 1.00 cum | | | | 80484.00 |
| | Add labour cess 1% | | | | 804.84 |
| | Rate including labour cess | | | | 81288.84 |
| | Say | | | | 81288.80 |
| **14.16** | **Renewing wooden beams in roofs including making good the holes in walls and painting with oil type wood preservative of approved brand and manufacture complete, including removal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.** | | | | |
| **14.16.1** | Not exceeding 4.00 metres in length. | | | | |
| **14.16.1.1** | Sal wood beams | | | | |
| | Details of cost for 300 cudm or 0.3 cum Consider one beam i.e. 300 cudm. | | | | |
| | 0.25 x 0.30m x 4.0m (long) = 0.30 cum | | | | |
| | Add wastage @ 2% (0.006 cum) | | | | |
| | = 0.306 cum =306 cudm | | | | |
| | (i) Propping the roof | | | | |
| | MATERIAL | | | | |
| | 100mm diameter ballies 4m long 10 nos. | | | | |
| | 100x100mm salwood battens 1.0 metre long 5 nos.x1.0x0.1x0.1 =0.05cum | | | | |
| | = 50 cudm. | | | | |
| | These materials can be used for 16 times | | | | |
| | Hence qty for one operation 1/16 | | | | |
| | = 3.125 cudm | | | | |
| **1199** | Sal wood in scantling | 10 cudm | 0.31 | 558.43 | 174.51 |
| **2204** | Carriage of Timber | cum | 0.02 | 123.51 | 2.82 |
| | LABOUR | | | | |
| **0112** | Carpenter 2nd class | day | 0.25 | 305.00 | 76.25 |
| **0114** | Beldar | day | 0.25 | 254.00 | 63.50 |
| | (ii) Taking out the existing beams etc. | | | | |
| | LABOUR | | | | |
| **0155** | Mason (average) | day | 0.13 | 305.00 | 39.65 |
| **0100** | Bandhani | day | 0.50 | 270.00 | 135.00 |
| **0114** | Beldar | day | 0.33 | 254.00 | 83.82 |
| | (iii) Renewal | | | | |
| | Materials and Labour | | | | |
| **1199** | Sal wood in scantling | 10 cudm | 30.60 | 558.43 | 17088.08 |
| **2204** | Carriage of Timber | cum | 0.31 | 123.51 | 37.80 |
| **0112** | Carpenter 2nd class | day | 1.00 | 305.00 | 305.00 |
| **0100** | Bandhani | day | 0.50 | 270.00 | 135.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **0114** | Beldar | day | 1.00 | 254.00 | 254.00 |
| | Painting with oil preservative | | | | |
| | (4x1.1) +( 2.0x0.25x0.30) =4.4 + 0.15 | | | | |
| | = 4.55 sqm | | | | |
| **0859** | Oil type wood preservative | litre | 0.46 | 130.30 | 59.29 |
| **0131** | Painter | day | 0.07 | 323.00 | 22.61 |
| **0115** | Coolie | day | 0.07 | 265.00 | 18.55 |
| **9999** | Sundries | L.S. | 0.13 | 1.80 | 0.23 |
| **9977** | Carriage | L.S. | 1.82 | 1.80 | 3.28 |
| **9999** | Brushes | L.S. | 1.82 | 1.80 | 3.28 |
| **9999** | Making good the holes | L.S. | 20.67 | 1.80 | 37.21 |
| **9999** | Sundries | L.S. | 26.91 | 1.80 | 48.44 |
| **0302** | Safeda ballies 125 mm diameter | metre | 2.50 | 32.57 | 81.43 |
| | TOTAL | | | | 18669.73 |
| | Add 1 % Water charges | | | | 186.70 |
| | TOTAL | | | | 18856.43 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 2649.33 |
| | Total | | | | 21505.75 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 3225.86 |
| | Cost of 300 Cudm | | | | 24731.62 |
| | Cost of 1.00 cum | | | | 82438.73 |
| | Add labour cess 1% | | | | 824.39 |
| | Rate including labour cess | | | | 83263.11 |
| | Say | | | | 83263.10 |
| **14.16.1.2** | Hollock wood beams | | | | |
| | (I) Propping the roof | | | | |
| | MATERIAL | | | | |
| | 100mm diameter ballies 4m long 10 nos. 100x100mm | | | | |
| | salwood battens 1.0 metre | | | | |
| | long 6 nos. x1.0x0.1x0.1 = 60 cudm. | | | | |
| | These materials can be used for 16 times | | | | |
| | hence qty for one operation 1/16 = 3.75 cudm | | | | |
| **2466** | Hollock wood in scantling | 10 cudm | 0.31 | 316.45 | 98.89 |
| **2204** | Carriage of Timber | cum | 0.02 | 123.51 | 2.82 |
| | LABOUR | | | | |
| **0112** | Carpenter 2nd class | day | 0.25 | 305.00 | 76.25 |
| **0114** | Beldar | day | 0.25 | 254.00 | 63.50 |
| | (ii) Taking out the existing beams etc. | | | | |
| | LABOUR | | | | |
| **0155** | Mason (average) | day | 0.13 | 305.00 | 39.65 |
| **0100** | Bandhani | day | 0.50 | 270.00 | 135.00 |
| **0114** | Beldar | day | 0.33 | 254.00 | 83.82 |
| | (iii) Renewal | | | | |
| | Materials and Labour | | | | |
| **2466** | Hollock wood in scantling | 10 cudm | 30.60 | 316.45 | 9683.25 |
| **2204** | Carriage of Timber | cum | 0.31 | 123.51 | 37.80 |
| **0112** | Carpenter 2nd class | day | 1.00 | 305.00 | 305.00 |
| **0100** | Bandhani | day | 0.50 | 270.00 | 135.00 |
| **0114** | Beldar | day | 1.00 | 254.00 | 254.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | **Painting with oil preservative**<br>**(4x1.1) + (2.0x0.25x0.30) =4.4 + 0.15**<br>**= 4.55 sqm** | | | | |
| **0859** | Oil type wood preservative | litre | 0.46 | 130.30 | 59.29 |
| **0131** | Painter | day | 0.07 | 323.00 | 22.61 |
| **0115** | Coolie | day | 0.07 | 265.00 | 18.55 |
| **9999** | Sundries | L.S. | 0.13 | 1.80 | 0.23 |
| **9977** | Carriage | L.S. | 1.82 | 1.80 | 3.28 |
| **9999** | Brushes | L.S. | 1.82 | 1.80 | 3.28 |
| **9999** | Making good the holes | L.S. | 20.67 | 1.80 | 37.21 |
| **9999** | Sundries | L.S. | 26.91 | 1.80 | 48.44 |
| **0302** | Safeda ballies 125 mm diameter | metre | 2.50 | 32.57 | 81.43 |
| | TOTAL | | | | 11189.27 |
| | Add 1 % Water charges | | | | 111.89 |
| | TOTAL | | | | 11301.17 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1587.81 |
| | Total | | | | 12888.98 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1933.35 |
| | | | | | |
| | Cost of 300 Cudm | | | | 14822.33 |
| | Cost of 1.00 cum | | | | 49407.75 |
| | Add labour cess 1% | | | | 494.08 |
| | Rate including labour cess | | | | 49901.83 |
| | Say | | | | 49901.80 |
| **14.16.2** | Above 4.00 metres and upto 5.00 metres length. | | | | |
| **14.16.2.1** | Sal wood beams | | | | |
| | Details of cost for 375 cudm or 0.375 cum<br>Consider one beam i.e. 375 cudm.<br>0.25 x 0.30m x 5.0m (long) = 0.375 cum<br>Add wastage @ 2% (0.008 cum) | | | | |
| | (i) Propping the roof | | | | |
| | **MATERIAL** | | | | |
| | 125mm diameter ballies 5m long 12 nos<br>100x100mm salwood battens 1.0 metre<br>long 6 nos. x1.0x0.1x0.1 = 60 cudm.<br>These materials can be used for 16 times<br>hence qty for one operation 1/16 = 3.75 cudm | | | | |
| **1199** | Sal wood in scantling | 10 cudm | 0.38 | 558.43 | 209.41 |
| **2204** | Carriage of Timber | cum | 0.05 | 123.51 | 6.15 |
| | LABOUR | | | | |
| **0112** | Carpenter 2nd class | day | 0.25 | 305.00 | 76.25 |
| **0114** | Beldar | day | 0.25 | 254.00 | 63.50 |
| | (ii) Taking out the existing beams etc. | | | | |
| | LABOUR | | | | |
| **0155** | Mason (average) | day | 0.25 | 305.00 | 76.25 |
| **0100** | Bandhani | day | 0.63 | 270.00 | 170.10 |
| **0114** | Beldar | day | 0.50 | 254.00 | 127.00 |
| | (iii) Renewal | | | | |
| | Materials and Labour | | | | |
| **1199** | Sal wood in scantling | 10 cudm | 38.30 | 558.43 | 21388.02 |
| **2204** | Carriage of Timber | cum | 0.38 | 123.51 | 47.31 |
| **0112** | Carpenter 2nd class | day | 1.00 | 305.00 | 305.00 |
| **100** | Bandhani | day | 1.00 | 270.00 | 270.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **0114** | Beldar | day | 2.00 | 254.00 | 508.00 |
| | Painting with oil preservative<br>(2x5x0.25)+3.0 + 2.0x0.25x0.30<br>= 5.5 + 0.15 = 5.65 sqm | | | | |
| **0859** | Oil type wood preservative | litre | 0.57 | 130.30 | 73.62 |
| **0131** | Painter | day | 0.08 | 323.00 | 25.84 |
| **0115** | Coolie | day | 0.08 | 265.00 | 21.20 |
| **9999** | Sundries | L.S. | 0.26 | 1.80 | 0.47 |
| **9977** | Carriage | L.S. | 2.34 | 1.80 | 4.22 |
| **9999** | Brushes | L.S. | 2.21 | 1.80 | 3.98 |
| **9999** | Making good the holes | L.S. | 20.67 | 1.80 | 37.21 |
| **9999** | Sundries | L.S. | 33.15 | 1.80 | 59.67 |
| **0302** | Safeda ballies 125 mm diameter | metre | 3.75 | 32.57 | 122.14 |
| | TOTAL | | | | 23595.33 |
| | Add 1 % Water charges | | | | 235.95 |
| | TOTAL | | | | 23831.28 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 3348.30 |
| | Total | | | | 27179.58 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 4076.94 |
| | Cost of 375 Cudm | | | | 31256.51 |
| | Cost of 1.00 cum | | | | 83350.71 |
| | Add labour cess 1% | | | | 833.51 |
| | Rate including labour cess | | | | 84184.21 |
| | Say | | | | 84184.20 |
| **14.16.2.2** | Hollock wood beams<br>Details of cost for 375 cudm or 0.375 cum<br>Consider one beam i.e. 375 cudm.<br>0.25 x 0.30m x 5.0m (long) = 0.375 cum<br>Add wastage @ 2% (0.008 cum)<br>(i) Propping the roof<br>MATERIAL | | | | |
| | 125mm diameter ballies 5m long 12 nos<br>100x100mm salwood battens 1.0 metre<br>long 6 nos. x1.0x0.1x0.1 = 60 cudm.<br>These materials can be used for 16 times<br>hence qty for one operation 1/16 = 3.75 cudm | | | | |
| **2466** | Hollock wood in scantling | 10 cudm | 0.38 | 316.45 | 118.67 |
| **2204** | Carriage of Timber | cum | 0.04 | 123.51 | 4.63 |
| | LABOUR | | | | |
| **0112** | Carpenter 2nd class | day | 0.25 | 305.00 | 76.25 |
| **0114** | Beldar | day | 0.25 | 254.00 | 63.50 |
| | (ii) Taking out the existing beams etc. | | | | |
| | LABOUR | | | | |
| **0155** | Mason (average) | day | 0.25 | 305.00 | 76.25 |
| **0100** | Bandhani | day | 0.63 | 270.00 | 170.10 |
| **0114** | Beldar | day | 0.50 | 254.00 | 127.00 |
| | (iii) Renewal | | | | |
| | Materials and Labour | | | | |
| **2466** | Hollock wood in scantling | 10 cudm | 38.30 | 316.45 | 12119.88 |
| **2204** | Carriage of Timber | cum | 0.38 | 123.51 | 47.31 |
| **0112** | Carpenter 2nd class | day | 1.00 | 305.00 | 305.00 |
| **0100** | Bandhani | day | 1.00 | 270.00 | 270.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **0114** | Beldar | day | 2.00 | 254.00 | 508.00 |
| | Painting with oil preservative (2x5x0.25)+3.0 + 2.0x0.25x0.30 = 5.5 + 0.15 = 5.65 sqm | | | | |
| **0859** | Oil type wood preservative | litre | 0.57 | 130.30 | 73.62 |
| **0131** | Painter | day | 0.08 | 323.00 | 25.84 |
| **0115** | Coolie | day | 0.08 | 265.00 | 21.20 |
| **9999** | Sundries | L.S. | 0.26 | 1.80 | 0.47 |
| **9977** | Carriage | L.S. | 2.34 | 1.80 | 4.22 |
| **9999** | Brushes | L.S. | 2.21 | 1.80 | 3.98 |
| **9999** | Making good the holes | L.S. | 20.67 | 1.80 | 37.21 |
| **9999** | Sundries | L.S. | 33.15 | 1.80 | 59.67 |
| **0302** | Safeda ballies 125 mm diameter | metre | 3.75 | 32.57 | 122.14 |
| | TOTAL | | | | 14234.92 |
| | Add 1 % Water charges | | | | 142.35 |
| | TOTAL | | | | 14377.27 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 2020.01 |
| | Total | | | | 16397.28 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 2459.59 |
| | Cost of 375 Cudm | | | | 18856.87 |
| | Cost of 1.00 cum | | | | 50284.98 |
| | Add labour cess 1% | | | | 502.85 |
| | Rate including labour cess | | | | 50787.83 |
| | Say | | | | 50787.80 |
| **14.17** | Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. | | | | |
| | Detail of cost for 10 sqm | | | | |
| | LABOUR | | | | |
| **0114** | Beldar | day | 0.53 | 254.00 | 134.62 |
| **0115** | Coolie | day | 0.08 | 265.00 | 21.20 |
| **0101** | Bhisti | day | 0.07 | 277.00 | 19.39 |
| **9999** | Sundries | L.S. | 1.43 | 1.80 | 2.57 |
| | TOTAL | | | | 177.78 |
| | Add 1 % Water charges | | | | 1.78 |
| | TOTAL | | | | 179.56 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 25.23 |
| | Total | | | | 204.79 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 30.72 |
| | Cost of 10.00 sqm | | | | 235.51 |
| | Cost of 1.00 sqm | | | | 23.55 |
| | Add labour cess 1% | | | | 0.24 |
| | Rate including labour cess | | | | 23.79 |
| | Say | | | | 23.80 |
| **14.18** | Flush pointing with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement for flat tile bricks on top of mud phaska : | | | | |
| **14.18.1** | With F.P.S. brick tiles | | | | |
| | Detail of cost for 10 sqm | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | MATERIAL | | | | |
| | Cement mortar 1 : 3 (1 cement : 3 fine sand) | | | | |
| **2112** | Rate as per Item Number 3.3 of SH: Mortars | cum | 0.02 | 3246.34 | 48.70 |
| **1213** | Water proofing materials 2% of wt. of cement | kilogram | 0.15 | 32.58 | 4.98 |
| | **LABOUR** | | | | |
| **0115** | Coolie | day | 0.36 | 265.00 | 95.40 |
| **0124** | Mason (brick layer) 2nd class | day | 0.36 | 305.00 | 109.80 |
| **0101** | Bhisti | day | 0.36 | 277.00 | 99.72 |
| **9999** | Sundries | L.S. | 18.85 | 1.80 | 33.93 |
| | TOTAL | | | | 392.53 |
| | Add 1 % Water charges | | | | 3.93 |
| | TOTAL | | | | 396.45 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 55.70 |
| | Total | | | | 452.16 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 67.82 |
| | Cost of 10.00 sqm | | | | 519.98 |
| | Cost of 1.00 sqm | | | | 52.00 |
| | Add labour cess 1% | | | | 0.52 |
| | Rate including labour cess | | | | 52.52 |
| | Say | | | | 52.50 |
| **14.18.2** | With modular brick tiles | | | | |
| | Detail of cost for 10 sqm | | | | |
| | MATERIAL | | | | |
| | Cement mortar 1 : 3 (1 cement : 3 fine sand) | | | | |
| **2112** | Rate as per Item Number 3.3 of SH: Mortars | cum | 0.02 | 3246.34 | 55.19 |
| **1213** | Water proofing materials 2% of wt. of cement | kilogram | 0.17 | 32.58 | 5.64 |
| | LABOUR | | | | |
| **0115** | Coolie | day | 0.36 | 265.00 | 95.40 |
| **0124** | Mason (brick layer) 2nd class | day | 0.36 | 305.00 | 109.80 |
| **0101** | Bhisti | day | 0.36 | 277.00 | 99.72 |
| **9999** | Sundries | L.S. | 18.85 | 1.80 | 33.93 |
| | TOTAL | | | | 399.67 |
| | Add 1 % Water charges | | | | 4.00 |
| | TOTAL | | | | 403.67 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 56.72 |
| | Total | | | | 460.39 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 69.06 |
| | Cost of 10.00 sqm | | | | 529.44 |
| | Cost of 1.00 sqm | | | | 52.94 |
| | Add labour cess 1% | | | | 0.53 |
| | Rate including labour cess | | | | 53.47 |
| | Say | | | | 53.50 |
| **14.19** | Taking out wind ties from roof including cutting out rusted bolts, nuts etc. and removing materials to any distance within compound and stacking. | | | | |
| | Details of cost for 30 mtrs of weight 63 kgs<br>M.S. Flats 40x6mm @ 1.9kg./m<br>= 30x1.9 = 57 kg. (A)<br>J' hook bolts @ 30cm centre to centre<br>= 101 Nos. x 0.15 m = 15.15 m @<br>0.40kg./ m = 6.06kg (B)<br>Total (A+B) = 63.06 kg Say 63 kg | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | LABOUR | | | | | |
| **0103** | Blacksmith 2nd class | day | 0.09 | 305.00 | 27.45 | |
| **0100** | Bandhani | day | 0.06 | 270.00 | 16.20 | |
| **0114** | Beldar | day | 0.16 | 254.00 | 40.64 | |
| | TOTAL | | | | 84.29 | |
| | Add 1 % Water charges | | | | 0.84 | |
| | TOTAL | | | | 85.13 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 11.96 | |
| | Total | | | | 97.09 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 14.56 | |
| | Cost for 63 kg. | | | | 111.66 | |
| | Cost of 1.00 kg | | | | 1.77 | |
| | Add labour cess 1% | | | | 0.02 | |
| | Rate including labour cess | | | | 1.79 | |
| | Say | | | | 1.80 | |
| **14.20** | **Fixing of old wind tie with new fittings including painting two or more coats with anticorrosive bitumastic paint of approved brand & manufacturer over and including priming coat of ready mixed zinc chromate yellow primer of approved brand.** | | | | | |
| | Detail of cost for 20.2 m wind tie | | | | | |
| | MATERIAL | | | | | |
| **1023** | Galvanised steel J or L hooks 8 mm dia @ 30 cm center to center = 68 Nos | 10 Nos | 6.80 | 107.03 | 727.83 | |
| **1208** | Bitumen washer | 100 Nos | 0.68 | 27.92 | 18.99 | |
| **1209** | G.I. plain washer thick | 100 Nos | 0.68 | 32.58 | 22.15 | |
| **9977** | Carriage of bolts, nuts and washers etc. | L.S. | 1.17 | 1.80 | 2.11 | |
| | LABOUR | | | | | |
| **0102** | Blacksmith 1st class | day | 0.34 | 342.00 | 116.28 | |
| **0114** | Beldar | day | 0.34 | 254.00 | 86.36 | |
| **9999** | Sundries Applying priming coat with ready mixed zink chromate yellow primer 20.2x2x(0.04+0.006) = 1.86 sqm | L.S. | 13.91 | 1.80 | 25.04 | |
| **13.84.2** | Rate as per item no 13.50.3 of SH : Finishing Painting with ready mixed black antcorrosive bitumastic paint | sqm | 1.86 | 21.56 | 40.09 | **(A)** |
| **1397.1** | Rate as per item No.13.65.1 SH: Finishing | sqm | 1.86 | 54.26 | 100.92 | **(A)** |
| | Total A | | | | 141.01 | |
| | TOTAL | | | | 1139.76 | |
| | Add 1 % Water charges on all except (A) i.e. on (1139.76-141.01) | | | | 9.99 | |
| | TOTAL | | | | 1149.75 | (X) |
| | Add GST 12% on "X" except "A" ( multiplying factor 0.1405) (1149.75-141.01) | | | | 141.73 | |
| | TOTAL | | | | 1291.48 | (Y) |
| | Add 15 % Contractor's profit and overheads on"Y" except (A) i.e. On (1291.48-141.01) | | | | 172.57 | |
| | Cost of 20.2 metres | | | | 1464.05 | |
| | Cost of 1.00 metre | | | | 72.48 | |
| | Add labour cess 1% | | | | 0.72 | |
| | Rate including labour cess | | | | 73.20 | |
| | Say | | | | 73.20 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **14.21** | **Renewing bottom rail and/or top runner of collapsible gate including making good all damages and applying priming coat of zinc chromate yellow primer of approved brand and manufacturer.** | | | | |
| | Detail of cost for gate of size 1.52x2.4 m (weight 11.55 kg)<br>MATERIAL<br>M.S. Tee 40x40x6 mm Top rail = 1.725 m<br>Bottom rail = 1.570 m<br>Total = 3.295 m say 3.30 m @ 3.5 kg/m<br>= 11.55 kg<br>Add 10% wastage = 1.155 kg<br>Total = 12.705 kg = 0.1270 q say 0.13 q | | | | |
| **1007** | Structurals such as tees,angles channels and R.S. joists | quintal | 0.13 | 4155.00 | 540.15 |
| **2205** | Carriage of Steel Taking out collapsible gate including frame | tonne | 0.01 | 96.07 | 1.25 |
| **15.12.2** | (Rate as per item no 15.12.2 of SH Dismantling and Demolishing)<br>Refixing of collapsible gate including mending good the demaged floor, wall etc.frame<br>Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) | each | 1.00 | 171.43 | 171.43 |
| **4.2.5** | Rate as per item no 4.2.5 of SH : Concrete work | cum | 0.03 | 4365.00 | 130.95 (A) |
| **2115** | Cement mortar 1 : 6 (1 cement :6 fine sand) (Rate as per item No 2115) | cum | 0.01 | 1823.10 | 18.23 |
| **9999** | Cement concrete 1:2:4 filled in chase cut | L.S. | 24.18 | 1.80 | 43.52 |
| **9999** | Disposal of mulba Priming coat on Tees 0.16x3.3 = 0.53 sqm | L.S. | 1.82 | 1.80 | 3.28 |
| **13.81.3** | Rate as per item no 13.50.3 of SH : Finishing | sqm | 0.53 | 27.25 | 14.44 (A) |
| | **LABOUR** | | | | |
| | Labour for fixing the gate | | | | |
| **0155** | Mason (average) | day | 0.50 | 305.00 | 152.50 |
| **0114** | Beldar | day | 0.75 | 254.00 | 190.50 |
| **9999** | Sundries | L.S. | 2.60 | 1.80 | 4.68 |
| | Total A | | | | 145.39 |
| | TOTAL | | | | 1270.94 |
| | Add 1 % Water charges on all except (A) i.e. on (1270.94-145.39) | | | | 11.26 |
| | TOTAL | | | | 1282.19 (X) |
| | Add GST 12% on "X" except "A" ( multiplying factor 0.1405) (1282.19-145.39) | | | | 159.72 |
| | TOTAL | | | | 1441.91 (Y) |
| | Add 15 % Contractor's profit and overheads on"Y" except (A) i.e. On (1441.91-145.39) | | | | 194.48 |
| | Cost of 11.55 kg | | | | 1636.39 |
| | Cost of 1.00 kg | | | | 141.68 |
| | Add labour cess 1% | | | | 1.42 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Rate including labour cess | | | | 143.10 |
| | Say | | | | **143.10** |
| **14.22** | **Renewing Wrought iron or M.S. Wheel or roller of steel door or gate and fitting and fixing the same with necessary clamps, nuts and bolts/welding and erecti on etc. complete.** | | | | |
| **14.22.1** | Wheel 50 mm dia and below<br>Detail of cost for 10 nos wheels of 40 mm dia. | | | | |
| | MATERIAL<br>Weight of 10 nos wheels<br>10x[3.14x{(4/2)x(4/2)}x4]x7.850/1000<br>= 3.94 kg<br>Weight of 10 nos clamps 6 mm thick =10x<br>lenth of clamp =10x0.17m @ 1.90kg/m =<br>3.23 kg<br>Weight of 10 nos 10 mm dia. Bolts, 10 cm<br>long 10x0.10m = 1m @ 0.60 kg/m = 0.60 kg<br>Total = 7.70 kg say 8 kg | | | | |
| | Labour for dismantling : | | | | |
| **0103** | Blacksmith 2nd class | day | 0.01 | 305.00 | 3.05 |
| **0100** | Bandhani | day | 0.01 | 270.00 | 2.70 |
| **0114** | Beldar | day | 0.02 | 254.00 | 5.08 |
| **9999** | Sundries | L.S. | 0.39 | 1.80 | 0.70 |
| | Renewing the wheels with clamps :- | | | | |
| | MATERIAL | | | | |
| **7442** | Wheel 75 mm dia. 40 mm wide<br>10 nos clamps out of M.S. flat 40x6 mm,<br>170 mm long = 10x0.17m = 1.70m @ 1.9<br>kg/m = 3.23 kg<br>Add 5% wastage = 0.16 kg<br>Total = 3.39 kg say 3.50 kg | each | 10.00 | 60.50 | 604.97 |
| **1008** | Flats upto 10 mm in thickness<br>M.S. bolt/pin 10 mm dia 10 cm long 10 Nos<br>10x0.06 = 0.6 kg = 0.006 q | quintal | 0.04 | 3420.41 | 119.71 |
| **1034** | Bolts and nuts upto 300 mm in length | quintal | 0.01 | 4746.69 | 28.48 |
| **1215** | Welding by electric plant<br>length = 10x(2x4) = 80cm | cm | 80.00 | 1.86 | 148.92 |
| | LABOUR | | | | |
| | Labour for cutting, assembling and errection<br>charges | | | | |
| **0102** | Blacksmith 1st class | day | 0.03 | 342.00 | 10.26 |
| **0100** | Bandhani | day | 0.02 | 270.00 | 5.40 |
| **0114** | Beldar | day | 0.11 | 254.00 | 27.94 |
| | Priming coat : = 10x2(0.06+0.008)x0.25m<br>= 0.34 sqm on Tees 0.16x3.3 = 0.53 sqm | | | | |
| **13.81.3** | Rate as per item no 13.50.3 of SH : Finishing | sqm | 0.17 | 27.25 | 4.50 (A) |
| **9999** | Sundries | L.S. | 1.69 | 1.80 | 3.04 |
| | TOTAL | | | | 964.75 |
| | Add 1 % Water charges on all except (A)<br>i.e. on<br>(964.75-4.5) | | | | 9.60 |
| | TOTAL | | | | 974.35 (X) |
| | Add GST 12% on "X" except "A" ( multiplying factor<br>0.1405) | | | | 136.26 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | (974.35-4.5) | | | | |
| | TOTAL | | | | 1110.62 (Y) |
| | Add 15 % Contractor's profit and overheads on"Y" except (A) i.e. On (1110.62-4.5) | | | | 165.92 |
| | Cost of 10 nos wheels | | | | 1276.54 |
| | Cost per wheel | | | | 127.65 |
| | Add labour cess 1% | | | | 1.28 |
| | Rate including labour cess | | | | 128.93 |
| | Say | | | | 128.90 |
| **14.22.2** | Wheel above 50 mm dia<br>Detail of cost for 10 nos wheels<br>Considering average wheel dia =75 mm<br>Width of wheel = 40 mm | | | | |
| | MATERIAL | | | | |
| | M.S. flat for clamp = 60x8 mm<br>Weight of 10 nos wheels<br>Weight of 10 nos wheels<br>10x[3.14x{(7.5/2)x(7.5/2)}x4]x7.850/1000<br>= 13.87 kg<br>Weight of 10 nos clamps 8 mm thick<br>=10x0.25 m @ 3.8kg/m = 9.50 kg<br>Weight of 10 nos 16 mm dia. Bolts, 10 cm long 10x0.10 m @ 1.60 kg/m = 1.60 kg<br>Total = 24.97 kg say 25 kg | | | | |
| | Labour for dismantling : | | | | |
| **0103** | Blacksmith 2nd class | day | 0.04 | 305.00 | 12.20 |
| **0100** | Bandhani | day | 0.03 | 270.00 | 8.10 |
| **0114** | Beldar | day | 0.06 | 254.00 | 15.24 |
| **9999** | Sundries | L.S. | 1.04 | 1.80 | 1.87 |
| | Renewing the wheels with clamps :- | | | | 0.00 |
| | MATERIAL | | | | 0.00 |
| **7442** | Wheel 75 mm dia. 40 mm wide<br>10 nos clamps out of M.S. flat 60x8 mm<br>= 10x0.25 m @ 3.8 kg/m = 9.5 kg<br>Add 5% wastage = 0.48 kg<br>Total = 9.98 kg say 10 kg | each | 10.00 | 60.50 | 604.97 |
| **1008** | Flats upto 10 mm in thickness<br>M.S. bolt/pin 16 mm dia 10 cm long 10 Nos<br>10x0.16= 1.6 kg = 0.016 q | quintal | 0.10 | 3420.41 | 342.04 |
| **1034** | Bolts and nuts upto 300 mm in length | quintal | 0.02 | 4746.69 | 75.95 |
| **1215** | Welding by electric plant<br>length = 10x(2x6) | cm | 120.00 | 1.86 | 223.37 |
| | LABOUR | | | | 0.00 |
| | Labour for cutting, assembling and errection charges | | | | 0.00 |
| **0102** | Blacksmith 1st class | day | 0.10 | 342.00 | 34.20 |
| **0100** | Bandhani | day | 0.05 | 270.00 | 13.50 |
| **0114** | Beldar | day | 0.36 | 254.00 | 91.44 |
| | Priming coat : = 10x2(0.06+0.008)x0.25m<br>= 0.34 sqm on Tees 0.16x3.3 = 0.53 sqm | | | | 0.00 |
| **13.81.3** | Rate as per item no 13.50.3 of SH : Finishing | sqm | 0.34 | 27.25 | 9.26 (A) |
| **9999** | Sundries | L.S. | 5.33 | 1.80 | 9.59 |
| | TOTAL | | | | 1441.74 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add 1 % Water charges on all except (A) i.e. on (1441.74-9.26) | | | | 14.32 |
| | TOTAL | | | | 1456.07 (X) |
| | Add GST 12% on "X" except "A" ( multiplying factor 0.1405) (1456.07-9.26) | | | | 203.28 |
| | TOTAL | | | | 1659.34 (Y) |
| | Add 15 % Contractor's profit and overheads on"Y" except (A) i.e. On (1659.34-9.26) | | | | 247.51 |
| | Cost of 10 nos wheels | | | | 1906.85 |
| | Cost per wheel | | | | 190.69 |
| | Add labour cess 1% | | | | 1.91 |
| | Rate including labour cess | | | | 192.59 |
| | Say | | | | 192.60 |
| **14.23** | Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like. | | | | |
| | Details for 10.91 kilolitre<br>Pumping hours 3 hrs. or 0.375 days | | | | |
| **0011** | Hire charges of Pumpset of capacity 4000 litres/hour. | day | 0.38 | 650.00 | 243.75 |
| **0114** | Beldar for clearing slush | day | 2.00 | 254.00 | 508.00 |
| | TOTAL | | | | 751.75 |
| | Add 1 % Water charges | | | | 7.52 |
| | TOTAL | | | | 759.27 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 106.68 |
| | Total | | | | 865.94 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 129.89 |
| | Cost of 10.91 kilolitre | | | | 995.84 |
| | Cost of 1 kilolitre | | | | 91.28 |
| | Add labour cess 1% | | | | 0.91 |
| | Rate including labour cess | | | | 92.19 |
| | Say | | | | 92.20 |
| **14.24** | Mud mortar made with local clay good earth<br>Detail of cost for 1 cum | | | | |
| | MATERIAL | | | | |
| **0811** | Mud (dry) | cum | 1.08 | 139.61 | 150.78 |
| | LABOUR | | | | |
| **0114** | Beldar | day | 0.63 | 254.00 | 160.02 |
| **0101** | Bhisti | day | 0.32 | 277.00 | 87.26 |
| **9999** | Sundries | L.S. | 6.45 | 1.80 | 11.61 |
| | TOTAL | | | | 409.66 |
| | Add 1 % Water charges | | | | 4.10 |
| | TOTAL | | | | 413.76 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 58.13 |
| | Total | | | | 471.89 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 70.78 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost of 1cum | | | | 542.68 | |
| | Add labour cess 1% | | | | 5.43 | |
| | Rate including labour cess | | | | 548.10 | |
| | Say | | | | 548.10 | |
| **14.25** | Brick work with common burnt clay bricks of class designation 7.5 in mud mortar | | | | | |
| | Details of cost for 1 cum. | | | | | |
| | MATERIAL | | | | | |
| **2602** | Common burnt clay F.P.S. (non modular) bricks class designation 7.5 | 1000 Nos | 0.49 | 4578.00 | 2261.53 | |
| | Mud mortar | | | | | |
| **14.24** | Rate as per Item Number 3.18 of SH: Mortars | cum | 0.25 | 542.68 | 135.67 | A |
| **2201** | Carriage of Bricks | 1000 Nos | 0.49 | 0.00 | 0.00 | |
| **9999** | Sundries | L.S. | 2.73 | 1.80 | 4.91 | |
| | LABOUR | | | | | |
| **0123** | Mason (brick layer) 1st class | day | 0.36 | 342.00 | 123.12 | |
| **0124** | Mason (brick layer) 2nd class | day | 0.36 | 305.00 | 109.80 | |
| **0115** | Coolie | day | 1.37 | 265.00 | 363.05 | |
| **0101** | Bhisti | day | 0.20 | 277.00 | 55.40 | |
| | TOTAL | | | | 3053.48 | |
| | Add 1 % Water charges | | | | 29.18 | |
| | TOTAL | | | | 3082.66 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 414.05 | |
| | Total | | | | 3496.72 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 504.16 | |
| | Cost of 1 Cum. | | | | 4000.87 | |
| | Add labour cess 1% | | | | 40.01 | |
| | Rate including labour cess | | | | 4040.88 | |
| | Say | | | | 4040.90 | |
| **14.26** | **Providing and fixing 25 mm thick shutters for cup board etc. :** | | | | | |
| **14.26.1** | Panelled or panelled & glazed shutters : | | | | | |
| **14.26.1.1** | Superior class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws. | | | | | |
| | Details of cost for shutter of cup-board 200x108cm = 2.16 sqm. | | | | | |
| | MATERIAL | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Styles<br>4x200x8.0x2.5cm = 0.016 cum+<br>Rails<br>Top rail<br>1x110.5x8.0x2.5cm = 0.0022cum+<br>Lock and bottom rails<br>2x110.5x8.0x2.5 cm = 0.0044 cum<br>Panels<br>2x48x41x1.6cm = 0.006cum+<br>Sash bars<br>2x114x3.8x2.5cm = 0.003cum+<br>6x48x3.8x2.5cm = 0.003 cum+<br>Beading<br>16x92x1.4x1.2cm = 0.002cum<br>Total = 0.0366<br>Add for wastage @ 10% = 0.0037 cum.<br>Grand Total = 0.0403 cum = 40.30 cudm<br>say 40 cudm | | | | |
| **1186** | Superior class teak wood such as Dandeli, Balarshah or Malabar in planks | 10 cudm | 4.00 | 1023.80 | 4095.18 |
| **2204** | Carriage of Timber | cum | 0.04 | 123.51 | 4.94 |
| **2406** | Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm). | sqm | 0.99 | 266.19 | 263.53 |
| | **Fittings-** | | | | |
| **0608** | Nickel plated mild steel piono hinges 1 mm thick 25 mm wide | metre | 4.00 | 37.23 | 148.92 |
| **0639** | Bright finished or black enamelled mild steel screws 25 mm | 100 Nos | 1.20 | 34.44 | 41.32 |
| | LABOUR | | | | |
| **0111** | Carpenter 1st class | day | 2.40 | 342.00 | 820.80 |
| **0119** | Glazier | day | 0.18 | 286.00 | 51.48 |
| **0114** | Beldar | day | 0.77 | 254.00 | 195.58 |
| **9999** | Sundries | L.S. | 40.43 | 1.80 | 72.77 |
| | TOTAL | | | | 5694.52 |
| | Add 1 % Water charges | | | | 56.95 |
| | TOTAL | | | | 5751.47 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 808.08 |
| | Total | | | | 6559.55 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 983.93 |
| | Cost of 2.16 sqm. | | | | 7543.48 |
| | Cost of 1 sqm. | | | | 3492.35 |
| | Add labour cess 1% | | | | 34.92 |
| | Rate including labour cess | | | | 3527.28 |
| | Say | | | | 3527.30 |

**14.26.1.2 Ist class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws.**

Details of cost for shutters of a cup-board (half glazed and half panelled) 200x108cm = 2.16 sqm.

MATERIAL

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Styles<br>4x200x8.0x2.5cm = 0.016 cum+<br>Rails<br>Top rail<br>1x110.5x8.0x2.5cm = 0.0022cum+<br>Lock and bottom rail<br>2x110.5x8.0x2.5cm = 0.0044 cum.<br>Panels<br>2x48x41x1.6cm = 0.006cum+<br>Sash bars<br>2x114x3.8x2.5cm = 0.003cum+<br>6x48x3.8x2.5cm = 0.003 cum+<br>Beading<br>16x92x1.4x1.2cm = 0.002cum<br>Total = 0.0366<br>Add for wastage @ 10% = 0.0037 cum.<br>Grand Total = 0.0403 cum = 40.30 cudm<br>say 40 cudm | | | | |
| **1188** | First class teak wood in planks | 10 cudm | 4.00 | 791.11 | 3164.46 |
| **2204** | Carriage of Timber | cum | 0.04 | 123.51 | 4.94 |
| **2406** | Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm). | sqm | 0.99 | 0.00 | 0.00 |
| | **Fittings** | | | | |
| **0608** | Nickel plated mild steel piono hinges 1 mm thick 25 mm wide | metre | 4.00 | 37.23 | 148.92 |
| **0639** | Bright finished or black enamelled mild steel screws 25 mm | 100 Nos | 1.20 | 34.44 | 41.32 |
| | LABOUR | | | | |
| **0111** | Carpenter 1st class | day | 2.40 | 342.00 | 820.80 |
| **0119** | Glazier | day | 0.18 | 286.00 | 51.48 |
| **0114** | Beldar | day | 0.77 | 254.00 | 195.58 |
| **9999** | Sundries | L.S. | 40.43 | 1.80 | 72.77 |
| | TOTAL | | | | 4500.27 |
| | Add 1 % Water charges | | | | 45.00 |
| | TOTAL | | | | 4545.28 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 638.61 |
| | Total | | | | 5183.89 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 777.58 |
| | Cost of 2.16 sqm. | | | | 5961.47 |
| | Cost of 1 sqm. | | | | 2759.94 |
| | Add labour cess 1% | | | | 27.60 |
| | Rate including labour cess | | | | 2787.54 |
| | Say | | | | 2787.50 |
| **14.26.2** | Glazed shutters : | | | | |
| **14.26.2.1** | **Superior class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws.** | | | | |
| | Details of cost for shutter of cup-board 200x108cm = 2.16 sqm. | | | | |
| | MATERIAL | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | (i) Teak wood first class<br>Styles : 4x200x9.5x2.5 cm = 0.019 cum<br>Rails<br>Top & intermediate rails<br>2x110.5x9.5x2.5 cm = 0.006 cum<br>Lock and bottom rails<br>2x110.5x19.7x2.5 cm = 0.011 cum<br>Beadings-<br>2x186.1x1.9x1.2cm = 0.001cum+<br>4x171.70x1.9x1.2cm = 0.002cum.<br>Total = 0.039 cum.<br>Add for wastage @ 10% = 0.004 cum.<br>Grand Total = 0.043 cum = 43 cudm | | | | |
| **1186** | Superior class teak wood such as Dandeli, Balarshah or Malabar in planks | 10 cudm | 4.30 | 1023.80 | 4402.32 |
| **2406** | Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm). | sqm | 1.27 | 266.19 | 338.06 |
| **0608** | Nickel plated mild steel piono hinges 1 mm thick 25 mm wide 75x45x3.2 mm | metre | 4.00 | 37.23 | 148.92 |
| **0639** | Bright finished or black enamelled mild steel screws 25 mm | 100 Nos | 1.20 | 34.44 | 41.32 |
| **0597** | Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm | 10 Nos | 0.20 | 46.54 | 9.31 |
| **'0640** | Bright finished or black enamelled mild steel screws 20 mm | 100 Nos | 0.08 | 29.78 | 2.38 |
| **2204** | Carriage of Timber | cum | 0.04 | 123.51 | 5.31 |
| | LABOUR | | | | |
| **0156** | Carpenter (average) | day | 1.83 | 305.00 | 558.15 |
| **0119** | Glazier | day | 0.23 | 286.00 | 65.78 |
| **0114** | Beldar | day | 0.77 | 254.00 | 195.58 |
| **9999** | Sundries | L.S. | 40.43 | 1.80 | 72.77 |
| | TOTAL | | | | 5839.90 |
| | Add 1 % Water charges | | | | 58.40 |
| | TOTAL | | | | 5898.30 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 828.71 |
| | Total | | | | 6727.01 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1009.05 |
| | Cost of 2.16 sqm. | | | | 7736.07 |
| | Cost of 1 sqm. | | | | 3581.51 |
| | Add labour cess 1% | | | | 35.82 |
| | Rate including labour cess | | | | 3617.33 |
| | Say | | | | 3617.30 |

**14.26.2.2 Ist class teak wood including nickel plated bright finished M.S. piano hinges with necessary sc rews.**

Details of cost for shutter of cup-board
200x108cm = 2.16 sqm.
MATERIAL
(i) Teak wood first class

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Styles : 4x200x9.5x2.5 cm = 0.019 cum<br>Rails<br>Top & intermediate rails<br>2x110.5x9.5x2.5 cm = 0.006 cum<br>Lock and bottom rails<br>2x110.5x19.7x2.5 cm = 0.011 cum<br>Beadings-<br>2x186.1x1.9x1.2cm = 0.001cum+<br>4x171.70x1.9x1.2cm = 0.002cum.<br>Total = 0.039 cum.<br>Add for wastage @ 10% = 0.004 cum.<br>Grand Total = 0.043 cum = 43 cudm | | | | |
| **1188** | First class teak wood in planks | 10 cudm | 4.30 | 791.11 | 3401.79 |
| **2406** | Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm). | sqm | 1.27 | 266.19 | 338.06 |
| **0608** | Nickel plated mild steel piono hinges 1 mm thick 25 mm wide 75x45x3.2 mm | metre | 4.00 | 37.23 | 148.92 |
| **0639** | Bright finished or black enamelled mild steel screws 25 mm | 100 Nos | 1.20 | 34.44 | 41.32 |
| **0597** | Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm | 10 Nos | 0.20 | 46.54 | 9.31 |
| **0640** | Bright finished or black enamelled mild steel screws 20 mm | 100 Nos | 0.08 | 29.78 | 2.38 |
| **2204** | Carriage of Timber | cum | 0.04 | 123.51 | 5.31 |
| | LABOUR | | | | 0.00 |
| **0156** | Carpenter (average) | day | 1.83 | 305.00 | 558.15 |
| **0119** | Glazier | day | 0.23 | 286.00 | 65.78 |
| **0114** | Beldar | day | 0.77 | 254.00 | 195.58 |
| **9999** | Sundries | L.S. | 40.43 | 1.80 | 72.77 |
| | TOTAL | | | | 4839.38 |
| | Add 1 % Water charges | | | | 48.39 |
| | TOTAL | | | | 4887.77 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 686.73 |
| | Total | | | | 5574.50 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 836.18 |
| | Cost of 2.16 sqm. | | | | 6410.68 |
| | Cost of 1 sqm. | | | | 2967.91 |
| | Add labour cess 1% | | | | 29.68 |
| | Rate including labour cess | | | | 2997.59 |
| | Say | | | | 2997.60 |
| **14.27** | Providing and fixing plain jaffri door and window shutters including bright or/and black enamelled M.S. butt hinges with necessary screws 35x10 mm laths placed 35 mm apart (frames to be paid separately), including fixing 50x12 mm beading complete with : | | | | |
| **14.27.1** | Second class teak wood<br>Details of cost of a jaffri shutter 176x86 cm<br>= 1.51 sqm<br>MATERIAL | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Teak wood 2nd class<br>Styles 2x176x7.5x3.5 cm = 0.0092 cum<br>Rails 3x86x7.5x3.5 = 0.0068 cum<br>Total 0.0160 cum<br>Add wastage @ 10 % =0.0016 cum<br>Total = 0.0176 cum Say 18 cudm | | | | |
| **1190** | Second class teak wood in planks | 10 cudm | 1.80 | 628.24 | 1130.83 |
| **2204** | Carriage of Timber Palain Jaffri work | cum | 0.02 | 123.51 | 2.22 |
| **9.41.1** | Rate as per Item Number 9.41.1 of SH:Wood and PVC work | sqm | 1.51 | 1679.35 | 2535.82 (A) |
| **595** | Bright finished or black enamelled mild steel butt hinges 100x58x1.90 mm | 10 Nos | 0.60 | 79.11 | 47.47 |
| **597** | Bright finished or black enamelled mild steel butt hinges50x37x1.50 mm | 10 Nos | 0.20 | 46.54 | 9.31 |
| **637** | Bright finished or black enamelled mild steel screws 40 mm | 100 Nos | 0.48 | 58.64 | 28.15 |
| **640** | Bright finished or black enamelled mild steel screws 20 mm | 100 Nos | 0.08 | 29.78 | 2.38 |
| | LABOUR | | | | |
| | For making frame and fixing fitting | | | | |
| **112** | Carpenter 2nd class | day | 0.30 | 305.00 | 91.50 |
| | TOTAL | | | | 3847.67 |
| | Add 1 % Water charges on all except (A) i.e. on (3847.67-2535.82) | | | | 13.12 |
| | TOTAL | | | | 3860.79 (X) |
| | Add GST 12% on "X" except "A" ( multiplying factor 0.1405) (3860.79-2535.82) | | | | 186.16 |
| | TOTAL | | | | 4046.95 (Y) |
| | Add 15 % Contractor's profit and overheads on"Y" except (A) i.e. On (4046.95-2535.82) | | | | 226.67 |
| | Cost of 1.51 sqm. | | | | 4273.62 |
| | Cost of 1 sqm. | | | | 2830.21 |
| | Add labour cess 1% | | | | 28.30 |
| | Rate including labour cess | | | | 2858.51 |
| | Say | | | | 2858.50 |
| **14.28** | **Providing and fixing brass curtain rods of wall thickness 1.25 mm with two brass brackets fixed with brass screws and wooden plugs etc. wherever necessary complete** | | | | |
| **14.28.1** | **20 mm diameter.**<br>Detail of cost for 2 metre long<br>MATERIAL | | | | |
| **444** | Brass curtain rod 20 mm dia 1.25 mm thick | metre | 2.00 | 111.69 | 223.37 |
| **446** | Brass brackets (curtain rods) 20 mm | each | 2.00 | 41.88 | 83.77 |
| **9999** | Screws | L.S. | 2.73 | 1.80 | 4.91 |
| **9977** | Carriage | L.S. | 1.56 | 1.80 | 2.81 |
| | Wooden plugs including cutting brick work and fixing in cement mortar | | | | |
| **9.32** | Rate as per item no 9.32 of SH : Wood work | each | 2.00 | 20.09 | 40.17 (A) |
| **9999** | LABOUR | L.S. | 2.73 | 1.80 | 4.91 |
| **9999** | Sundries | L.S. | 1.56 | 1.80 | 2.81 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 362.75 |
| | Add 1 % Water charges on all except (A) i.e. on (362.75-40.17) | | | | 3.23 |
| | TOTAL | | | | 365.98 (X) |
| | Add GST 12% on "X" except "A" ( multiplying factor 0.1405) (365.98-40.17) | | | | 45.78 |
| | TOTAL | | | | 411.76 (Y) |
| | Add 15 % Contractor's profit and overheads on"Y" except (A) i.e. On (411.76-40.17) | | | | 55.74 |
| | Cost of 2 metres | | | | 467.49 |
| | Cost of 1 metre | | | | 233.75 |
| | Add labour cess 1% | | | | 2.34 |
| | Rate including labour cess | | | | 236.08 |
| | Say | | | | 236.10 |
| **14.28.2** | **25 mm diameter.** | | | | |
| | Detail of cost for 2 metre long MATERIAL | | | | |
| **445** | Brass curtain rod 25 mm dia 1.25 mm thick | metre | 2.00 | 130.30 | 260.60 |
| **446** | Brass brackets (curtain rods) 20 mm | each | 2.00 | 41.88 | 83.77 |
| **9999** | Screws | L.S. | 2.73 | 1.80 | 4.91 |
| **9977** | Carriage | L.S. | 1.56 | 1.80 | 2.81 |
| | Wooden plugs including cutting brick work and fixing in cement mortar | | | | |
| **9.32** | Rate as per item no 9.32 of SH : Wood work | each | 2.00 | 20.09 | 40.17 (A) |
| **9999** | LABOUR | L.S. | 2.73 | 1.80 | 4.91 |
| **9999** | Sundries | L.S. | 1.56 | 1.80 | 2.81 |
| | TOTAL | | | | 399.98 |
| | Add 1 % Water charges on all except (A) i.e. on (399.98-40.17) | | | | 3.60 |
| | TOTAL | | | | 403.58 (X) |
| | Add GST 12% on "X" except "A" ( multiplying factor 0.1405) (403.58-40.17) | | | | 51.06 |
| | TOTAL | | | | 454.64 (Y) |
| | Add 15 % Contractor's profit and overheads on"Y" except (A) i.e. On (454.64-40.17) | | | | 62.17 |
| | Cost of 2 metres | | | | 516.81 |
| | Cost of 1 metre | | | | 258.41 |
| | Add labour cess 1% | | | | 2.58 |
| | Rate including labour cess | | | | 260.99 |
| | Say | | | | 261.00 |
| **14.29** | **Providing and fixing M.S. round or square bars with M.S. flats at required spacing in wooden frames of windows and clerestory windows.** | | | | |
| | Details of cost for window -140x110cm MATERIAL M.S. bar 16 mm dia 13x136 cm = 17.68 m @ 1.58 kg/m = 27.93 kg Add for wastage @ 10% =2.79 kg Total = 30.72 kg or 0.307 q | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **1003** | Mild steel round bar above 12 mm dia M.S. flat 40x6mm 2x96cm = 192cm+ 1x110cm = 110cm = 302cm+ Add wastage @ 10% = 30cm Total = 332cm.@ 1.90 kg/m = 6.31 kg Say 0.063 q | quintal | **0.307** | **4545.00** | 1395.32 |
| **1008** | Flats upto 10 mm in thickness | quintal | 0.06 | 3420.41 | 215.49 |
| **2205** | Carriage of Steel (0.307+0.063 = 0.37 q = 0.037 t) | **tonne** | 0.04 | 96.07 | 3.55 |
| **9999** | Sundries | L.S. | 26.91 | 1.80 | 48.44 |
| | LABOUR | | | | |
| **103** | Blacksmith 2nd class | day | 0.35 | 305.00 | 106.75 |
| **112** | Carpenter | day | 0.20 | 305.00 | 61.00 |
| **114** | 2nd class Beldar | day | 0.45 | 254.00 | 114.30 |
| | TOTAL | | | | 1944.84 |
| | Add 1 % Water charges | | | | 19.45 |
| | TOTAL | | | | 1964.29 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 275.98 |
| | Total | | | | 2240.27 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 336.04 |
| | Cost of 33.67 kg.(5.74+27.93=33.67kg) | | | | 2576.32 |
| | Cost of 1 kg. | | | | 76.52 |
| | Add labour cess 1% | | | | 0.77 |
| | Rate including labour cess | | | | 77.28 |
| | Say | | | | 77.30 |
| **14.30** | **Providing joists (karries) including hoisting, fixing in position and applying wood preservative on unexposed surface etc. complete with :** | | | | |
| **14.30.1** | Sal wood Details of cost for 300cudm. | | | | |
| | MATERIAL | | | | |
| | Sal wood 10x0.1mx0.1mx3.0m = 0.30 cum. or = 300 cudm | | | | |
| | Add wastage @ 2% = 6.00 cudm. | | | | |
| | Total = 306 cudm. | | | | |
| **1199** | Sal wood in scantling | 10 cudm | 30.60 | 558.43 | 17088.08 |
| **2204** | Carriage of Timber | cum | 0.31 | 123.51 | 37.80 |
| | LABOUR | | | | |
| **112** | Carpenter 2nd class | day | 0.70 | 305.00 | 213.50 |
| **114** | Beldar | day | 1.45 | 254.00 | 368.30 |
| **100** | Bandhani | day | 0.70 | 270.00 | 189.00 |
| | Priming coat (Wood preservative) | | | | |
| **13.81.1** | Rate as per item no 13.57.1 SH : Finishing | sqm | 0.80 | 31.92 | 25.54 (A) |
| **9999** | Sundries | L.S. | 26.91 | 1.80 | 48.44 |
| | TOTAL | | | | 17970.65 |
| | Add 1 % Water charges on all except (A) i.e. on (17970.65-25.54) | | | | 179.45 |
| | TOTAL | | | | 18150.10 (X) |
| | Add GST 12% on "X" except "A" ( multiplying factor 0.1405) (18150.1-25.54) | | | | 2546.50 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 20696.60 (Y) |
| | Add 15 % Contractor's profit and overheadson"Y" exce pt (A) i.e. On (20696.6-25.54) | | | | 3100.66 |
| | Cost of 300 cudm. | | | | 23797.26 |
| | Cost of 1 cum. | | | | 79324.21 |
| | Add labour cess 1% | | | | 793.24 |
| | Rate including labour cess | | | | 80117.46 |
| | Say | | | | 80117.50 |
| **14.30.2** | Hollock wood<br>Details of cost for 300cudm.<br><br>MATERIAL<br>Hollock wood in scantling<br>10x0.1mx0.1mx3.0m = 0.30 cum. or<br>= 300 cudm<br>Add wastage @ 2% = 6.00 cudm.<br>Total = 306 cudm. | | | | |
| **2466** | Hollock wood in scantling | 10 cudm | 30.60 | 316.45 | 9683.25 |
| **2204** | Carriage of Timber | cum | 0.31 | 123.51 | 37.80 |
| | LABOUR | | | | |
| **112** | Carpenter 2nd class | day | 0.70 | 305.00 | 213.50 |
| **114** | Beldar | day | 1.45 | 254.00 | 368.30 |
| **100** | Bandhani | day | 0.70 | 270.00 | 189.00 |
| | Priming coat (Wood preservative) | | | | |
| **13.81.1** | Rate as per item no 13.57.1 SH : Finishing | sqm | 0.80 | 31.92 | 25.54 (A) |
| **9999** | Sundries | L.S. | 26.91 | 1.80 | 48.44 |
| | TOTAL | | | | 10565.82 |
| | Add 1 % Water charges on all except (A) i.e. on (10565.82-25.54) | | | | 105.40 |
| | TOTAL | | | | 10671.22 (X) |
| | Add GST 12% on "X" except "A" ( multiplying factor 0.1405)<br>(10671.22-25.54) | | | | 1495.72 |
| | TOTAL | | | | 12166.94 (Y) |
| | Add 15 % Contractor's profit and overheadson"Y" exce pt (A) i.e. On (12166.94-25.54) | | | | 1821.21 |
| | Cost of 300 cudm. | | | | 13988.15 |
| | Cost of 1 cum. | | | | 46627.16 |
| | Add labour cess 1% | | | | 466.27 |
| | Rate including labour cess | | | | 47093.43 |
| | Say | | | | 47093.40 |
| **14.31** | **Providing and fixing bright finished brass single acting spring hinges with necessary brass screws etc. complete :** | | | | |
| **14.3.1** | 150 mm<br>Details of cost for 10 nos.<br>MATERIAL | | | | |
| **389** | Brass single acting spring hinges 150 mm | each | 10.00 | 428.13 | 4281.33 |
| **449** | Brass screws 50 mm | 100 Nos | 0.80 | 204.76 | 163.81 |
| **9977** | Carriage of materials | L.S. | 3.64 | 1.80 | 6.56 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.40 | 342.00 | 136.80 |
| **114** | Beldar | day | 0.20 | 254.00 | 50.80 |
| | TOTAL | | | | 4639.29 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add 1 % Water charges | | | | 46.39 |
| | TOTAL | | | | 4685.69 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 658.34 |
| | Total | | | | 5344.03 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 801.60 |
| | Cost of 10 hinges | | | | 6145.63 |
| | Cost of each | | | | 614.56 |
| | Add labour cess 1% | | | | 6.15 |
| | Rate including labour cess | | | | 620.71 |
| | Say | | | | 620.70 |
| **14.31.2** | **125 mm** | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **390** | Brass single acting spring hinges 125 mm | each | 10.00 | 277.36 | 2773.56 |
| **449** | Brass screws 50 mm | 100 Nos | 0.80 | 204.76 | 163.81 |
| **9977** | Carriage of materials | L.S. | 3.64 | 1.80 | 6.56 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.40 | 342.00 | 136.80 |
| **114** | Beldar | day | 0.20 | 254.00 | 50.80 |
| | TOTAL | | | | 3131.52 |
| | Add 1 % Water charges | | | | 31.32 |
| | TOTAL | | | | 3162.84 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 444.38 |
| | Total | | | | 3607.22 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 541.08 |
| | Cost of 10 hinges | | | | 4148.30 |
| | Cost of each | | | | 414.83 |
| | Add labour cess 1% | | | | 4.15 |
| | Rate including labour cess | | | | 418.98 |
| | Say | | | | 419.00 |
| **14.31.3** | 100 mm | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **391** | Brass single acting spring hinges 100 mm | each | 10.00 | 241.99 | 2419.88 |
| **450** | Brass screws 40 mm | 100 Nos | 0.80 | 158.22 | 126.58 |
| **9977** | Carriage of materials | L.S. | 3.64 | 1.80 | 6.56 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.40 | 342.00 | 136.80 |
| **114** | Beldar | day | 0.20 | 254.00 | 50.80 |
| | TOTAL | | | | 2740.62 |
| | Add 1 % Water charges | | | | 27.41 |
| | TOTAL | | | | 2768.02 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 388.91 |
| | Total | | | | 3156.93 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 473.54 |
| | Cost of 10 hinges | | | | 3630.47 |
| | Cost of each | | | | 363.05 |
| | Add labour cess 1% | | | | 3.63 |
| | Rate including labour cess | | | | 366.68 |
| | Say | | | | 366.70 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **14.32** | **Providing and fixing bright finished brass double acting spring hinges with necessary brass screws etc. complete :** | | | | |
| **14.32.1** | 150 mm | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **392** | Brass double acting spring hinges 150 mm | each | 10.00 | 463.50 | 4635.00 |
| **449** | Brass screws 50 mm | 100 Nos | 0.80 | 204.76 | 163.81 |
| **9977** | Carriage of materials | L.S. | 3.64 | 1.80 | 6.56 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.40 | 342.00 | 136.80 |
| **114** | Beldar | day | 0.20 | 254.00 | 50.80 |
| | TOTAL | | | | 4992.97 |
| | Add 1 % Water charges | | | | 49.93 |
| | TOTAL | | | | 5042.90 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 708.53 |
| | Total | | | | 5751.43 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 862.71 |
| | Cost of 10 hinges | | | | 6614.14 |
| | Cost of each | | | | 661.41 |
| | Add labour cess 1% | | | | 6.61 |
| | Rate including labour cess | | | | 668.03 |
| | Say | | | | 668.00 |
| **14.32.2** | 125 mm | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **393** | Brass double acting spring hinges 125 mm | each | 10.00 | 381.60 | 3815.97 |
| **449** | Brass screws 50 mm | 100 Nos | 0.80 | 204.76 | 163.81 |
| **9977** | Carriage of materials | L.S. | 3.64 | 1.80 | 6.56 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.40 | 342.00 | 136.80 |
| **114** | Beldar | day | 0.20 | 254.00 | 50.80 |
| | TOTAL | | | | 4173.93 |
| | Add 1 % Water charges | | | | 41.74 |
| | TOTAL | | | | 4215.67 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 592.30 |
| | Total | | | | 4807.97 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 721.20 |
| | Cost of 10 hinges | | | | 5529.17 |
| | Cost of each | | | | 552.92 |
| | Add labour cess 1% | | | | 5.53 |
| | Rate including labour cess | | | | 558.45 |
| | Say | | | | 558.40 |
| **14.32.3** | 100 mm | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **394** | Brass double acting spring hinges 100 mm | each | 10.00 | 344.37 | 3443.68 |
| **450** | Brass screws 40 mm | 100 Nos | 0.80 | 158.22 | 126.58 |
| **9977** | Carriage of materials | L.S. | 3.64 | 1.80 | 6.56 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.40 | 342.00 | 136.80 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **114** | Beldar | day | 0.20 | 254.00 | 50.80 | |
| | TOTAL | | | | 3764.41 | |
| | Add 1 % Water charges | | | | 37.64 | |
| | TOTAL | | | | 3802.06 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 534.19 | |
| | Total | | | | 4336.25 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 650.44 | |
| | Cost of 10 hinges | | | | 4986.68 | |
| | Cost of each | | | | 498.67 | |
| | Add labour cess 1% | | | | 4.99 | |
| | Rate including labour cess | | | | 503.66 | |
| | Say | | | | 503.70 | |
| **14.33** | **Providing and fixing bright finished brass flush bolts with necessary brass screws etc. complete** | | | | | |
| **14.33.1** | **250 mm** | | | | | |
| | Details of cost for 10 nos. | | | | | |
| | MATERIAL | | | | | |
| **404** | Brass flush bolt 250 mm | each | 10.00 | 139.61 | 1396.09 | |
| **452** | Brass screws 25 mm | 100 Nos | 0.60 | 93.07 | 55.84 | |
| **9977** | Carriage of materials | L.S. | 3.64 | 1.80 | 6.56 | |
| | LABOUR | | | | | |
| **111** | Carpenter 1st class | Day | 0.20 | 342.00 | 68.40 | |
| | TOTAL | | | | 1526.89 | |
| | Add 1 % Water charges | | | | 15.27 | |
| | TOTAL | | | | 1542.16 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 216.67 | |
| | Total | | | | 1758.83 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 263.82 | |
| | Cost of 10 hinges | | | | 2022.65 | |
| | Cost of each | | | | 202.27 | |
| | Add labour cess 1% | | | | 2.02 | |
| | Rate including labour cess | | | | 204.29 | |
| | Say | | | | 204.30 | |
| **14.33.2** | 150 mm | | | | | |
| | Details of cost for 10 nos. | | | | | |
| | MATERIAL | | | | | |
| **405** | Brass flush bolt 150 mm | each | 10.00 | 120.99 | 1209.94 | |
| **452** | Brass screws 25 mm | 100 Nos | 0.60 | 93.07 | 55.84 | |
| **9977** | Carriage of materials | L.S. | 2.73 | 1.80 | 4.92 | |
| | LABOUR | | | | | |
| **111** | Carpenter 1st class | day | 0.17 | 342.00 | 58.14 | |
| | TOTAL | | | | 1328.84 | |
| | Add 1 % Water charges | | | | 13.29 | |
| | TOTAL | | | | 1342.13 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 188.57 | |
| | Total | | | | 1530.70 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 229.61 | |
| | Cost of 10 hinges | | | | 1760.31 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost of each | | | | 176.03 |
| | Add labour cess 1% | | | | 1.76 |
| | Rate including labour cess | | | | 177.79 |
| | Say | | | | 177.80 |
| **14.33.3** | 100 mm | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **406** | Brass flush bolt 100 mm | each | 10.00 | 83.77 | 837.65 |
| **452** | Brass screws 25 mm | 100 Nos | 0.60 | 93.07 | 55.84 |
| **9977** | Carriage of materials | L.S. | 2.73 | 1.80 | 4.92 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.17 | 342.00 | 58.14 |
| | TOTAL | | | | 956.55 |
| | Add 1 % Water charges | | | | 9.57 |
| | TOTAL | | | | 966.12 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 135.74 |
| | Total | | | | 1101.86 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 165.28 |
| | Cost of 10 hinges | | | | 1267.14 |
| | Cost of each | | | | 126.71 |
| | Add labour cess 1% | | | | 1.27 |
| | Rate including labour cess | | | | 127.98 |
| | Say | | | | 128.00 |
| **14.34** | **Providing and fixing 150 mm bright finished floor brass door stopper with rubber cushion, necessary brass screws etc. to suit shutter thickness complete** | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **417** | Brass 150 mm floor door stopper (0.357kg) | each | 10.00 | 158.22 | 1582.23 |
| **450** | Brass screws 40 mm | 100 Nos | 0.40 | 158.22 | 63.29 |
| **9977** | Carriage of material | L.S. | 2.73 | 1.80 | 4.92 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.07 | 342.00 | 23.94 |
| **9999** | Sundries (wooden plugs including fixing in the floo r) | L.S. | 6.37 | 1.80 | 11.47 |
| | TOTAL | | | | 1685.84 |
| | Add 1 % Water charges | | | | 16.86 |
| | TOTAL | | | | 1702.70 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 239.23 |
| | Total | | | | 1941.93 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 291.29 |
| | Cost of 10 hinges | | | | 2233.22 |
| | Cost of each | | | | 223.32 |
| | Add labour cess 1% | | | | 2.23 |
| | Rate including labour cess | | | | 225.56 |
| | Say | | | | 225.60 |
| **14.35** | **Providing and fixing bright finished brass hard drawn hooks and eyes :** | | | | |
| **14.35.1** | 300 mm | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **418** | Brass hard drawn hooks and eyes 300 mm | 10 Nos | 1.00 | 604.97 | 604.97 |
| **9977** | Carriage of material | L.S. | 0.91 | 1.80 | 1.64 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.06 | 342.00 | 20.52 |
| | TOTAL | | | | 627.13 |
| | Add 1 % Water charges | | | | 6.27 |
| | TOTAL | | | | 633.40 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 88.99 |
| | Total | | | | 722.39 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 108.36 |
| | Cost of 10 Nos | | | | 830.75 |
| | Cost of each | | | | 83.08 |
| | Add labour cess 1% | | | | 0.83 |
| | Rate including labour cess | | | | 83.91 |
| | Say | | | | 83.90 |
| **14.35.2** | 250 mm | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **419** | Brass hard drawn hooks and eyes 250 mm | 10 Nos | 1.00 | 591.01 | 591.01 |
| **9977** | Carriage of material | L.S. | 0.91 | 1.80 | 1.64 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.06 | 342.00 | 20.52 |
| | TOTAL | | | | 613.17 |
| | Add 1 % Water charges | | | | 0.00 |
| | TOTAL | | | | 613.17 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 86.15 |
| | Total | | | | 699.32 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 104.90 |
| | Cost of 10 hooks and eyes | | | | 804.22 |
| | Cost of 1 hook and eye | | | | 80.42 |
| | Add labour cess 1% | | | | 0.80 |
| | Rate including labour cess | | | | 81.23 |
| | Say | | | | 81.20 |
| **14.35.3** | 200 mm | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **420** | Brass hard drawn hooks and eyes 200 mm | 10 Nos | 1.00 | 549.13 | 549.13 |
| **9977** | Carriage of material | L.S. | 0.91 | 1.80 | 1.64 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.06 | 342.00 | 20.52 |
| | TOTAL | | | | 571.29 |
| | Add 1 % Water charges | | | | 5.71 |
| | TOTAL | | | | 577.00 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 81.07 |
| | Total | | | | 658.07 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 98.71 |
| | Cost of 10 Nos | | | | 756.78 |
| | Cost of each | | | | 75.68 |
| | Add labour cess 1% | | | | 0.76 |
| | Rate including labour cess | | | | 76.43 |
| | Say | | | | 76.40 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **14.35.4** | 150 mm | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **421** | Brass hard drawn hooks and eyes 150 mm | 10 Nos | 1.00 | 418.83 | 418.83 |
| **9977** | Carriage of material | L.S. | 0.91 | 1.80 | 1.64 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.06 | 342.00 | 20.52 |
| | TOTAL | | | | 440.99 |
| | Add 1 % Water charges | | | | 4.41 |
| | TOTAL | | | | 445.40 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 62.58 |
| | Total | | | | 507.97 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 76.20 |
| | Cost of 10 Nos | | | | 584.17 |
| | Cost of each | | | | 58.42 |
| | Add labour cess 1% | | | | 0.58 |
| | Rate including labour cess | | | | 59.00 |
| | Say | | | | 59.00 |
| **14.35.5** | 100 mm | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **422** | Brass hard drawn hooks and eyes 100 mm | 10 Nos | 1.00 | 372.29 | 372.29 |
| **9977** | Carriage of material | L.S. | 0.91 | 1.80 | 1.64 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.06 | 342.00 | 20.52 |
| | TOTAL | | | | 394.45 |
| | Add 1 % Water charges | | | | 3.94 |
| | TOTAL | | | | 398.39 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 55.97 |
| | Total | | | | 454.37 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 68.16 |
| | Cost of 10 Nos | | | | 522.52 |
| | Cost of each | | | | 52.25 |
| | Add labour cess 1% | | | | 0.52 |
| | Rate including labour cess | | | | 52.77 |
| | Say | | | | 52.80 |
| **14.36** | Providing and fixing bright finished brass fan light pivot with necessary brass screws etc. complete. | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **429** | Brass fanlight pivot | 10 Nos | 1.00 | 181.49 | 181.49 |
| **450** | Brass screws 40 mm | 100 Nos | 0.40 | 158.22 | 63.29 |
| **9977** | Carriage of material | L.S. | 0.91 | 1.80 | 1.64 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.08 | 342.00 | 27.36 |
| | TOTAL | | | | 273.78 |
| | Add 1 % Water charges | | | | 2.74 |
| | TOTAL | | | | 276.52 (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 38.85 |
| | Total | | | | 315.37 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 47.31 |
| | Cost of 10 Nos | | | | 362.67 |
| | Cost of each | | | | 36.27 |
| | Add labour cess 1% | | | | 0.36 |
| | Rate including labour cess | | | | 36.63 |
| | Say | | | | 36.60 |
| **14.37** | **Providing and fixing 300 mm long bright finished brass chain with hook for fan light including necessary brass screws etc. complete.** | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **430** | Brass chain with hook for fan light catch | each | 10.00 | 37.23 | 372.29 |
| **452** | Brass screws 25 mm | 100 Nos | 0.40 | 93.07 | 37.23 |
| **9977** | Carriage of material | L.S. | 0.91 | 1.80 | 1.64 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.10 | 342.00 | 34.20 |
| | TOTAL | | | | 445.36 |
| | Add 1 % Water charges | | | | 4.45 |
| | TOTAL | | | | 449.81 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 63.20 |
| | Total | | | | 513.01 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 76.95 |
| | Cost of 10 Nos | | | | 589.96 |
| | Cost of each | | | | 59.00 |
| | Add labour cess 1% | | | | 0.59 |
| | Rate including labour cess | | | | 59.59 |
| | Say | | | | 59.60 |
| **14.38** | **Providing and fixing bright finished brass quadrant stay 300 mm long with necessary brass screws etc. complete.** | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **427** | Brass quadrant stays 300 mm | each | 10.00 | 116.34 | 1163.40 |
| **452** | Brass screws 25 mm | 100 Nos | 0.40 | 93.07 | 37.23 |
| **9977** | Carriage of material | L.S. | 0.91 | 1.80 | 1.64 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.10 | 342.00 | 34.20 |
| | TOTAL | | | | 1236.47 |
| | Add 1 % Water charges | | | | 12.36 |
| | TOTAL | | | | 1248.84 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 175.46 |
| | Total | | | | 1424.30 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 213.64 |
| | Cost of 10 quadrant stayes | | | | 1637.94 |
| | Cost of each | | | | 163.79 |
| | Add labour cess 1% | | | | 1.64 |
| | Rate including labour cess | | | | 165.43 |
| | Say | | | | 165.40 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **14.39** | **Providing and fixing bright finished brass helical door spring (superior quality).** | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **442** | Brass helical spring 150 mm | each | 10.00 | 288.52 | 2885.24 |
| **449** | Brass screws 50 mm | 100 Nos | 0.40 | 204.76 | 81.90 |
| **452** | Brass screws 25 mm | 100 Nos | 0.20 | 93.07 | 18.61 |
| **9977** | Carriage of material | L.S. | 3.84 | 1.80 | 6.92 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.40 | 342.00 | 136.80 |
| **114** | Beldar | day | 0.20 | 254.00 | 50.80 |
| | TOTAL | | | | 3180.28 |
| | Add 1 % Water charges | | | | 31.80 |
| | TOTAL | | | | 3212.08 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 451.30 |
| | Total | | | | 3663.38 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 549.51 |
| | Cost of 10 Nos | | | | 4212.89 |
| | Cost of each | | | | 421.29 |
| | Add labour cess 1% | | | | 4.21 |
| | Rate including labour cess | | | | 425.50 |
| | Say | | | | 425.50 |
| **14.40** | **Providing and fixing chromium plated brass butt hinges with necessary chromium plated brass screws etc. complete.** | | | | |
| **14.40.1** | **125x70x4 mm (ordinary type)** | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **525** | Chromium plated Brass butt hinges (light/ordinary) type 125x70x4 mm | 10 Nos | 1.00 | 837.65 | 837.65 |
| **585** | Chromium plated Brass screws 50 mm | 100 Nos | 1.00 | 316.45 | 316.45 |
| **9977** | Carriage of material | L.S. | 3.64 | 1.80 | 6.56 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.14 | 342.00 | 47.88 |
| **114** | Beldar | day | 0.10 | 254.00 | 25.40 |
| | TOTAL | | | | 1233.94 |
| | Add 1 % Water charges | | | | 12.34 |
| | TOTAL | | | | 1246.28 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 175.10 |
| | Total | | | | 1421.38 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 213.21 |
| | Cost of 10 Nos | | | | 1634.58 |
| | Cost of each | | | | 163.46 |
| | Add labour cess 1% | | | | 1.63 |
| | Rate including labour cess | | | | 165.09 |
| | Say | | | | 165.10 |
| **14.40.2** | **100x70x4 mm (ordinary type)** | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **526** | Chromium plated Brass butt hinges (light/ordinary) type 100x70x4 mm | 10 Nos | 1.00 | 698.04 | 698.04 |
| **586** | Chromium plated Brass screws 40 mm | 100 Nos | 0.80 | 288.52 | 230.82 |
| **9977** | Carriage of material | L.S. | 3.64 | 1.80 | 6.56 |
| | LABOUR | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **111** | Carpenter 1st class | day | 0.14 | 342.00 | 47.88 |
| **114** | Beldar | day | 0.10 | 254.00 | 25.40 |
| | TOTAL | | | | 1008.70 |
| | Add 1 % Water charges | | | | 10.09 |
| | TOTAL | | | | 1018.79 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 143.14 |
| | Total | | | | 1161.93 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 174.29 |
| | Cost of 10 Nos | | | | 1336.22 |
| | Cost of each | | | | 133.62 |
| | Add labour cess 1% | | | | 1.34 |
| | Rate including labour cess | | | | 134.96 |
| | Say | | | | 135.00 |
| **14.40.3** | **75x65x4 mm (heavy type)** | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **524** | Chromium plated Brass butt hinges (heavy) type 75x65x4 .0 mm (200gms) | 10 Nos | 1.00 | 930.72 | 930.72 |
| **587** | Chromium plated Brass screws 30 mm | 100 Nos | 0.60 | 232.68 | 139.61 |
| **9977** | Carriage of material | L.S. | 1.82 | 1.80 | 3.28 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.14 | 342.00 | 47.88 |
| **114** | Beldar | day | 0.10 | 254.00 | 25.40 |
| | TOTAL | | | | 1146.89 |
| | Add 1 % Water charges | | | | 11.47 |
| | TOTAL | | | | 1158.36 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 162.75 |
| | Total | | | | 1321.11 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 198.17 |
| | Cost of 10 Nos | | | | 1519.28 |
| | Cost of each | | | | 151.93 |
| | Add labour cess 1% | | | | 1.52 |
| | Rate including labour cess | | | | 153.45 |
| | Say | | | | 153.40 |
| **14.40.4** | 75x40x2.5 mm (ordinary type) | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **527** | Chromium plated Brass butt hinges (light/ordinary) type 75x40x2.5 mm | 10 Nos | 1.00 | 428.13 | 428.13 |
| **587** | Chromium plated Brass screws 30 mm | 100 Nos | 0.60 | 232.68 | 139.61 |
| **9977** | Carriage of material | L.S. | 1.82 | 1.80 | 3.28 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.14 | 342.00 | 47.88 |
| **114** | Beldar | day | 0.10 | 254.00 | 25.40 |
| | TOTAL | | | | 644.30 |
| | Add 1 % Water charges | | | | 6.44 |
| | TOTAL | | | | 650.74 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 91.43 |
| | Total | | | | 742.17 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 111.33 |
| | Cost of 10 Nos | | | | 853.50 |
| | Cost of each | | | | 85.35 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add labour cess 1% | | | | 0.85 |
| | Rate including labour cess | | | | 86.20 |
| | Say | | | | 86.20 |
| **14.40.5** | 50x40x2.5 mm (ordinary type) | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL | | | | |
| **528** | Chromium plated Brass butt hinges (light/ordinary) type 50x40x2.5 mm | 10 Nos | 1.00 | 186.14 | 186.14 |
| **589** | Chromium plated Brass screws 20 mm | 100 Nos | 0.40 | 158.22 | 63.29 |
| **9977** | Carriage of material | L.S. | 0.91 | 1.80 | 1.64 |
| | LABOUR | | | | |
| **111** | Carpenter 1st class | day | 0.08 | 342.00 | 27.36 |
| | TOTAL | | | | 278.43 |
| | Add 1 % Water charges | | | | 2.78 |
| | TOTAL | | | | 281.22 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 39.51 |
| | Total | | | | 320.73 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 48.11 |
| | Cost of 10 Nos | | | | 368.84 |
| | Cost of each | | | | 36.88 |
| | Add labour cess 1% | | | | 0.37 |
| | Rate including labour cess | | | | 37.25 |
| | Say | | | | 37.30 |
| **14.41** | Providing and fixing 85x42 mm chromium plated brass pull bolt lock with necessary chromium plated brass screws, nuts, bolts and washers etc. complete. | | | | |
| | Details of cost for 10 Nos | | | | |
| | MATERIAL | | | | |
| **2467** | Chromium plated Brass pull bolt lock (locking bolt) of size 85 mmx42 mm with screws,bolts,nuts and washers complete | each | 10.00 | 153.57 | 1535.69 |
| **9988** | Carriage of materials & sundries | L.S. | 6.37 | 1.80 | 11.48 |
| | LABOUR | | | | |
| **112** | Carpenter 2nd class | day | 0.25 | 305.00 | 76.25 |
| | TOTAL | | | | 1623.42 |
| | Add 1 % Water charges | | | | 16.23 |
| | TOTAL | | | | 1639.66 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 230.37 |
| | Total | | | | 1870.03 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 280.50 |
| | Cost of 10 Nos | | | | 2150.53 |
| | Cost of each | | | | 215.05 |
| | Add labour cess 1% | | | | 2.15 |
| | Rate including labour cess | | | | 217.20 |
| | Say | | | | 217.20 |
| **14.47** | **Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :** | | | | |
| **14.47.1** | Old work (one or more coats) | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Details of cost for 10 sqm. | | | | |
| | MATERIAL | | | | |
| **845** | Roofing paint for iron sheets in red colour | litre | 0.46 | 103.33 | 47.53 |
| **9977** | Carriage | L.S. | 0.52 | 1.80 | 0.94 |
| | LABOUR | | | | |
| **131** | Painter | day | 0.36 | 323.00 | 116.28 |
| **115** | Coolie | day | 0.36 | 265.00 | 95.40 |
| **9999** | Putty, brushes sand paper etc. | L.S. | 6.76 | 1.80 | 12.17 |
| **9999** | Sundries | L.S. | 8.06 | 1.80 | 14.51 |
| | TOTAL | | | | 286.83 |
| | Add 1 % Water charges | | | | 2.87 |
| | TOTAL | | | | 289.69 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 40.70 |
| | Total | | | | 330.40 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 49.56 |
| | Cost of 10.00 sqm | | | | 379.96 |
| | Cost of 1.00 sqm | | | | 38.00 |
| | Add labour cess 1% | | | | 0.38 |
| | Rate including labour cess | | | | 38.38 |
| | Say | | | | 38.40 |
| **14.50** | Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with aluminium paint of approved brand and manufacture over a priming coat of ready mixed zinc chromate yellow primer on new work : | | | | |
| **14.50.1** | 75 mm diameter pipes | | | | |
| | Detail of cost for 30 metres | | | | |
| | Area=22/7 x0.0814m x30m =7.67 sqm | | | | |
| | MATERIAL | | | | |
| **4202** | Red oxide Zinc chromate primer | litre | 0.41 | 60.50 | 24.80 |
| **9977** | Carriage | L.S. | 0.39 | 1.80 | 0.70 |
| | LABOUR | | | | |
| **131** | Painter | day | 0.18 | 323.00 | 58.14 |
| **115** | Coolie | day | 0.18 | 265.00 | 47.70 |
| **9999** | Sundries | L.S. | 8.19 | 1.80 | 14.74 |
| | MATERIAL | | | | |
| **826** | Aluminium paint | litre | 0.61 | 111.94 | 68.29 |
| **9977** | Carriage | L.S. | 1.04 | 1.80 | 1.87 |
| **9999** | Putty, sand paper etc | L.S. | 4.16 | 1.80 | 7.49 |
| | LABOUR | | | | |
| **131** | Painter | day | 0.41 | 323.00 | 132.43 |
| **115** | Coolie | day | 0.41 | 265.00 | 108.65 |
| **9999** | Sundries | L.S. | 5.20 | 1.80 | 9.36 |
| **9999** | Wire brushes for cleaning | L.S. | 9.10 | 1.80 | 16.38 |
| **9999** | Extra for delays | L.S. | 44.85 | 1.80 | 80.73 |
| | TOTAL | | | | 571.29 |
| | Add 1 % Water charges | | | | 5.71 |
| | TOTAL | | | | 577.00 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 81.07 |
| | Total | | | | 658.07 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 98.71 |
| | Cost of 30.00 metres | | | | 756.78 |
| | Cost of 1.00 metre | | | | 25.23 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add labour cess 1% | | | | 0.25 |
| | Rate including labour cess | | | | 25.48 |
| | Say | | | | 25.50 |
| **14.50.2** | 100 mm diameter pipes | | | | |
| | Detail of cost for 30 metres | | | | |
| | Area=22/7 x106.4x30m =10.032sqm | | | | |
| | MATERIAL | | | | |
| **4202** | Red oxide Zinc chromate primer | litre | 0.54 | 60.50 | 32.67 |
| **9977** | Carriage | L.S. | 0.52 | 1.80 | 0.94 |
| | LABOUR | | | | |
| **131** | Painter | day | 0.24 | 323.00 | 77.52 |
| | 0.18 x 10.032 / 7.67 = 0.24 | | | | |
| **115** | Coolie | day | 0.24 | 265.00 | 63.60 |
| **9999** | Sundries | L.S. | 10.79 | 1.80 | 19.42 |
| | MATERIAL | | | | |
| **826** | Aluminium paint | litre | 1.16 | 111.94 | 129.85 |
| | 0.61 x 10.032 / 7.67 = 0.80 | | | | |
| **9977** | Carriage | L.S. | 1.43 | 1.80 | 2.58 |
| **9999** | Putty, sand paper etc | L.S. | 5.33 | 1.80 | 9.59 |
| | LABOUR | | | | |
| **131** | Painter | day | 0.54 | 323.00 | 174.42 |
| | 0.41 x 10.032 / 7.67 = 0.54 | | | | |
| **115** | Coolie | day | 0.54 | 265.00 | 143.10 |
| **9999** | Sundries | L.S. | 6.76 | 1.80 | 12.17 |
| **9999** | Wire brushes for cleaning | L.S. | 11.96 | 1.80 | 21.53 |
| **9999** | Extra for delays | L.S. | 66.43 | 1.80 | 119.57 |
| | TOTAL | | | | 806.96 |
| | Add 1 % Water charges | | | | 8.07 |
| | TOTAL | | | | 815.03 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 114.51 |
| | Total | | | | 929.54 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 139.43 |
| | Cost of 30.00 metres | | | | 1068.98 |
| | Cost of 1.00 metre | | | | 35.63 |
| | Add labour cess 1% | | | | 0.36 |
| | Rate including labour cess | | | | 35.99 |
| | Say | | | | 36.00 |
| **14.50.3** | 150 mm diameter pipes | | | | |
| | Detail of cost for 30 metres | | | | |
| | Area=22/7 x157.12x30m =14.82 sqm | | | | |
| | MATERIAL | | | | |
| **4202** | Red oxide Zinc chromate primer | litre | 0.80 | 60.50 | 48.40 |
| **9977** | Carriage | L.S. | 0.65 | 1.80 | 1.17 |
| | LABOUR | | | | |
| **131** | Painter 0.18 x 14.82 / 7.67 = 0.36 | Day | 0.36 | 323.00 | 116.28 |
| **115** | Coolie | Day | 0.36 | 265.00 | 95.40 |
| **9999** | Sundries | L.S. | 15.99 | 1.80 | 28.78 |
| | MATERIAL | | | | |
| **826** | Aluminium paint 0.61 x 14.82 / 7.67 = 1.72 | litre | 1.72 | 111.94 | 192.54 |
| **9977** | Carriage | L.S. | 2.08 | 1.80 | 3.75 |
| **9999** | Putty, sand paper etc | L.S. | 7.93 | 1.80 | 14.27 |
| | LABOUR | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **131** | Painter 0.41 x 14.82 / 7.67 = 0.80 | day | 0.80 | 323.00 | 258.40 | |
| **115** | Coolie | day | 0.80 | 265.00 | 212.00 | |
| **9999** | Sundries | L.S. | 10.01 | 1.80 | 18.02 | |
| **9999** | Wire brushes for cleaning | L.S. | 17.81 | 1.80 | 32.06 | |
| **9999** | Extra for delays | L.S. | 101.40 | 1.80 | 182.52 | |
| | TOTAL | | | | 1203.59 | |
| | Add 1 % Water charges | | | | 12.04 | |
| | TOTAL | | | | 1215.63 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 170.80 | |
| | Total | | | | 1386.42 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 207.96 | |
| | Cost of 30.00 metres | | | | 1594.39 | |
| | Cost of 1.00 metre | | | | 53.15 | |
| | Add labour cess 1% | | | | 0.53 | |
| | Rate including labour cess | | | | 53.68 | |
| | Say | | | | 53.70 | |
| **14.51** | Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour on old work : | | | | | |
| **14.51.1** | **75 mm diameter pipes** | | | | | |
| | Details of cost for 30 metres<br>Area = 22/7x0.0814 mmx30 m = 7.67 sqm<br>MATERIAL | | | | | |
| **826** | Aluminium paint | litre | 0.35 | 111.94 | 39.18 | |
| **9999** | Putty, sand paper etc. | L.S. | 0.39 | 1.80 | 0.70 | |
| **9977** | Carriage | L.S. | 2.08 | 1.80 | 3.75 | |
| | LABOUR | | | | | |
| **131** | Painter | day | 0.28 | 323.00 | 90.44 | |
| **115** | Coolie | day | 0.28 | 265.00 | 74.20 | |
| **9999** | Putty, sand paper brushes etc. | L.S. | 4.16 | 1.80 | 7.49 | |
| **9999** | Sundries | L.S. | 6.24 | 1.80 | 11.23 | |
| **9999** | Wire brushes for cleaning | L.S. | 4.42 | 1.80 | 7.96 | |
| **9999** | Extra for delay | L.S. | 26.91 | 1.80 | 48.44 | |
| | TOTAL | | | | 283.38 | |
| | Add 1 % Water charges | | | | 2.83 | |
| | TOTAL | | | | 286.22 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 40.21 | |
| | Total | | | | 326.43 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 48.96 | |
| | Cost of 30.00 metres | | | | 375.40 | |
| | Cost of 1.00 metre | | | | 12.51 | |
| | Add labour cess 1% | | | | 0.13 | |
| | Rate including labour cess | | | | 12.64 | |
| | Say | | | | 12.60 | |
| **14.51.2** | 100 mm diameter pipes | | | | | |
| | Details of cost for 30 metres<br>Area = 22/7x106.4 mmx30 m = 10.032 sqm<br>MATERIAL | | | | | |
| **826** | Aluminium paint | litre | 0.46 | 111.94 | 51.49 | |
| **9999** | Putty, sand paper etc. | L.S. | 0.52 | 1.80 | 0.94 | |
| **9977** | Carriage | L.S. | 2.73 | 1.80 | 4.92 | |
| | LABOUR | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **131** | Painter | day | 0.36 | 323.00 | 116.28 | |
| **115** | Coolie | day | 0.36 | 265.00 | 95.40 | |
| **9999** | Putty, sand paper brushes etc. | L.S. | 5.33 | 1.80 | 9.59 | |
| **9999** | Sundries | L.S. | 8.06 | 1.80 | 14.51 | |
| **9999** | Wire brushes for cleaning | L.S. | 5.33 | 1.80 | 9.59 | |
| **9999** | Extra for delay | L.S. | 34.06 | 1.80 | 61.31 | |
| | TOTAL | | | | 364.03 | |
| | Add 1 % Water charges | | | | 3.64 | |
| | TOTAL | | | | 367.67 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 51.66 | |
| | Total | | | | 419.33 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 62.90 | |
| | Cost of 30.00 metres | | | | 482.23 | |
| | Cost of 1.00 metre | | | | 16.07 | |
| | Add labour cess 1% | | | | 0.16 | |
| | Rate including labour cess | | | | 16.24 | |
| | Say | | | | 16.20 | |
| **14.51.3** | 150 mm diameter pipes | | | | | |
| | **Details of cost for 30 metres Area = 22/7x157.2 mmx30 m = 14.82 sqm** | | | | | |
| | MATERIAL | | | | | |
| **826** | Aluminium paint | litre | 0.68 | 111.94 | 76.12 | |
| **9999** | Putty, sand paper etc. | L.S. | 0.65 | 1.80 | 1.17 | |
| **9977** | Carriage | L.S. | 3.90 | 1.80 | 7.03 | |
| | LABOUR | | | | | |
| **131** | Painter | day | 0.53 | 323.00 | 171.19 | |
| **115** | Coolie | day | 0.53 | 265.00 | 140.45 | |
| **9999** | Putty, sand paper brushes etc. | L.S. | 7.93 | 1.80 | 14.27 | |
| **9999** | Sundries | L.S. | 11.96 | 1.80 | 21.53 | |
| **9999** | Wire brushes for cleaning | L.S. | 7.15 | 1.80 | 12.87 | |
| **9999** | Extra for delay | L.S. | 40.30 | 1.80 | 72.54 | |
| | TOTAL | | | | 517.17 | |
| | Add 1 % Water charges | | | | 5.17 | |
| | TOTAL | | | | 522.34 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 73.39 | |
| | Total | | | | 595.73 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 89.36 | |
| | Cost of 30.00 metres | | | | 685.09 | |
| | Cost of 1.00 metre | | | | 22.84 | |
| | Add labour cess 1% | | | | 0.23 | |
| | Rate including labour cess | | | | 23.06 | |
| | Say | | | | 23.10 | |
| **14.61** | Painting (one or more coats) with black Japan paint of approved brand and manufacture to give an even shade. | | | | | |
| | Detail of cost for 10 sqm | | | | | |
| | MATERIAL | | | | | |
| **829** | Black Japan paint | litre | 0.70 | 77.50 | 54.25 | |
| **9977** | Carriage | L.S. | 0.52 | 1.80 | 0.94 | |
| **9999** | Putty etc. | L.S. | 2.73 | 1.80 | 4.91 | |
| | LABOUR | | | | | |
| **131** | Painter | day | 0.36 | 323.00 | 116.28 | |
| **115** | Coolie | day | 0.36 | 265.00 | 95.40 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **9999** | Brushes, sand paper etc. | L.S. | 5.33 | 1.80 | 9.59 |
| **9999** | Sundries | L.S. | 8.06 | 1.80 | 14.51 |
| | TOTAL | | | | 295.88 |
| | Add 1 % Water charges | | | | 2.96 |
| | TOTAL | | | | 298.84 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 41.99 |
| | Total | | | | 340.83 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 51.12 |
| | Cost of 10.00 sqm | | | | 391.95 |
| | Cost of 1.00 sqm | | | | 39.20 |
| | Add labour cess 1% | | | | 0.39 |
| | Rate including labour cess | | | | 39.59 |
| | Say | | | | 39.60 |
| **14.62** | Providing and fixing C.P. brass chain and rubber plug complete for sink or wash basin: | | | | |
| **14.62.1** | 32 mm dia | | | | |
| | Detail of cost for 1 no. | | | | |
| | MATERIAL | | | | |
| **1314** | C.P.brass chain with 32 mm dia rubber plug | each | 1.00 | 37.23 | 37.23 |
| **9988** | Carriage of materials and fixing charges | L.S. | 8.06 | 1.80 | 14.52 |
| | TOTAL | | | | 53.94 |
| | Add 1 % Water charges | | | | 0.54 |
| | TOTAL | | | | 51.75 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 7.27 |
| | Total | | | | 59.02 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 8.85 |
| | Cost of each | | | | 62.65 |
| | Add labour cess 1% | | | | 0.63 |
| | Rate including labour cess | | | | 63.28 |
| | Say | | | | 63.30 |
| **14.62.2** | 40 mm dia | | | | |
| | Detail of cost for 1 no. | | | | |
| | MATERIAL | | | | |
| **1315** | C.P.brass chain with 40 mm dia rubber plug | each | 1.00 | 37.23 | 37.23 |
| **9988** | Carriage of materials and fixing charges | L.S. | 8.06 | 1.80 | 14.52 |
| | TOTAL | | | | 51.75 |
| | Add 1 % Water charges | | | | 0.52 |
| | TOTAL | | | | 51.75 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 7.27 |
| | Total | | | | 59.02 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 8.85 |
| | Cost of each | | | | 62.65 |
| | Add labour cess 1% | | | | 0.63 |
| | Rate including labour cess | | | | 63.28 |
| | Say | | | | 63.30 |
| **14.63** | **Distempering with 1st quality acrylic washable distemper (ready made) of approved manufacturer and of required shade and colour complete. as per manufacturer's specification.** | | | | |
| **14.63.1** | One or more coats on old work | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Detail of cost for 10 sqm | | | | |
| | MATERIAL | | | | |
| **816** | Oil bound washable distemper/ Acrylic distemper | kilogram | 1.00 | 38.75 | 38.75 |
| **9999** | Brushes, putty etc | L.S. | 0.52 | 1.80 | 0.94 |
| **9988** | Sundries including carriage of material | L.S. | 10.76 | 1.80 | 19.39 |
| | LABOUR | | | | |
| **131** | Painter | day | 0.22 | 323.00 | 71.06 |
| **114** | Beldar | day | 0.22 | 254.00 | 55.88 |
| **9999** | Sundries | L.S. | 7.15 | 1.80 | 12.87 |
| | TOTAL | | | | 198.88 |
| | Add 1 % Water charges | | | | 1.99 |
| | TOTAL | | | | 200.87 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 28.22 |
| | Total | | | | 229.09 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 34.36 |
| | Cost of 10.00 sqm | | | | 263.46 |
| | Cost of 1.00 sqm | | | | 26.35 |
| | Add labour cess 1% | | | | 0.26 |
| | Rate including labour cess | | | | 26.61 |
| | Say | | | | 26.60 |
| **14.65** | **Finishing walls with textured exterior paint of required shade :** | | | | |
| **14.65.1** | **Old work (Two or more coats on existing cement paint surface applied @ 3.28 ltr/10 sqm.** | | | | |
| | Detail of cost for 10 sqm MATERIAL | | | | |
| **8507** | Textured exterior paint | litre | 3.28 | 198.05 | 649.62 |
| **9977** | Carriage of material | L.S. | 1.56 | 1.80 | 2.81 |
| | LABOUR | | | | 0.00 |
| **131** | Painter | day | 0.46 | 323.00 | 148.58 |
| **115** | Coolie | day | 0.23 | 265.00 | 60.95 |
| **9999** | Brushes, sand paper etc | L.S. | 7.15 | 1.80 | 12.87 |
| **9999** | Sundries | L.S. | 8.06 | 1.80 | 14.51 |
| | TOTAL | | | | 889.33 |
| | Add 1 % Water charges | | | | 8.89 |
| | TOTAL | | | | 898.23 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 126.20 |
| | Total | | | | 1024.43 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 153.66 |
| | Cost of 10.00 sqm | | | | 1178.09 |
| | Cost of 1.00 sqm | | | | 117.81 |
| | Add labour cess 1% | | | | 1.18 |
| | Rate including labour cess | | | | 118.99 |
| | Say | | | | 119.00 |
| **14.65.2** | Old work (One or more coats) applied @ 1.82 ltr/10 sqm. | | | | |
| | Detail of cost for 10 sqm | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | MATERIAL | | | | | |
| **8507** | Textured exterior paint | litre | 1.82 | 198.05 | 360.46 | |
| **9977** | Carriage of material | L.S. | 0.52 | 1.80 | 0.94 | |
| | LABOUR | | | | 0.00 | |
| **131** | Painter | day | 0.33 | 323.00 | 106.59 | |
| **115** | Coolie | day | 0.17 | 265.00 | 45.05 | |
| **9999** | Brushes, sand paper etc | L.S. | 7.15 | 1.80 | 12.87 | |
| **9999** | Sundries | L.S. | 8.06 | 1.80 | 14.51 | |
| | TOTAL | | | | 540.41 | |
| | Add 1 % Water charges | | | | 5.40 | |
| | TOTAL | | | | 545.82 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 76.69 | |
| | Total | | | | 622.50 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 93.38 | |
| | Cost of 10.00 sqm | | | | 715.88 | |
| | Cost of 1.00 sqm | | | | 71.59 | |
| | Add labour cess 1% | | | | 0.72 | |
| | Rate including labour cess | | | | 72.30 | |
| | Say | | | | 72.30 | |
| **14.66** | Finishing walls with Acrylic Smooth exterior paint of required shade : | | | | | |
| **14.66.1** | Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint | | | | | |
| | Detail of cost for 10 sqm | | | | | |
| | MATERIAL | | | | | |
| **8505** | Acrylic exterior paint | litre | 1.67 | 146.39 | 244.47 | |
| **9977** | Carriage of material | L.S. | 0.91 | 1.80 | 1.64 | |
| | LABOUR | | | | 0.00 | |
| **131** | Painter | day | 0.46 | 323.00 | 148.58 | |
| **115** | Coolie | day | 0.23 | 265.00 | 60.95 | |
| **9999** | Brushes, sand paper etc | L.S. | 4.81 | 1.80 | 8.66 | |
| **9999** | Sundries | L.S. | 5.33 | 1.80 | 9.59 | |
| | TOTAL | | | | 473.89 | |
| | Add 1 % Water charges | | | | 4.74 | |
| | TOTAL | | | | 478.63 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 67.25 | |
| | Total | | | | 545.87 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 81.88 | |
| | Cost of 10.00 sqm | | | | 627.76 | |
| | Cost of 1.00 sqm | | | | 62.78 | |
| | Add labour cess 1% | | | | 0.63 | |
| | Rate including labour cess | | | | 63.40 | |
| | Say | | | | 63.40 | |
| **14.66.2** | Old work (One or more coat applied @ 0.90 ltr/10 sqm). | | | | | |
| | Detail of cost for 10 sqm | | | | | |
| | MATERIAL | | | | | |
| **8505** | Acrylic exterior paint | litre | 0.90 | 146.39 | 131.75 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **9977** | Carriage of material | L.S. | 0.52 | 1.80 | 0.94 |
| | LABOUR | | | | 0.00 |
| **131** | Painter | day | 0.33 | 323.00 | 106.59 |
| **115** | Coolie | day | 0.17 | 265.00 | 45.05 |
| **9999** | Brushes, sand paper etc | L.S. | 7.15 | 1.80 | 12.87 |
| **9999** | Sundries | L.S. | 8.06 | 1.80 | 14.51 |
| | TOTAL | | | | 311.70 |
| | Add 1 % Water charges | | | | 3.12 |
| | TOTAL | | | | 314.82 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 44.23 |
| | Total | | | | 359.05 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 53.86 |
| | Cost of 10.00 sqm | | | | 412.91 |
| | Cost of 1.00 sqm | | | | 41.29 |
| | Add labour cess 1% | | | | 0.41 |
| | Rate including labour cess | | | | 41.70 |
| | Say | | | | 41.70 |
| **14.67** | Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade | | | | |
| **14.67.1** | Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface | | | | |
| | Detail of cost for 10 sqm | | | | |
| | MATERIAL | | | | |
| **8506** | Premium Acrylic exterior paint | litre | 1.43 | 174.80 | 249.97 |
| **9977** | Carriage of material | L.S. | 1.04 | 1.80 | 1.87 |
| | LABOUR | | | | 0.00 |
| **131** | Painter | day | 0.46 | 323.00 | 148.58 |
| **115** | Coolie | day | 0.23 | 265.00 | 60.95 |
| **9999** | Brushes, sand paper etc | L.S. | 7.15 | 1.80 | 12.87 |
| **9999** | Sundries | L.S. | 8.06 | 1.80 | 14.51 |
| | TOTAL | | | | 488.75 |
| | Add 1 % Water charges | | | | 4.89 |
| | TOTAL | | | | 493.64 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 69.36 |
| | Total | | | | 563.00 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 84.45 |
| | Cost of 10.00 sqm | | | | 647.44 |
| | Cost of 1.00 sqm | | | | 64.74 |
| | Add labour cess 1% | | | | 0.65 |
| | Rate including labour cess | | | | 65.39 |
| | Say | | | | 65.40 |
| **14.67.2** | Old work (one or more coats applied @ 0.83 ltr/10 sqm). | | | | |
| | Detail of cost for 10 sqm | | | | |
| | MATERIAL | | | | |
| **8506** | Premium Acrylic exterior paint | litre | 0.83 | 174.80 | 145.09 |
| **9977** | Carriage of material | L.S. | 0.91 | 1.80 | 1.64 |
| | LABOUR | | | | 0.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **131** | Painter | day | 0.33 | 323.00 | 106.59 |
| **115** | Coolie | day | 0.17 | 265.00 | 45.05 |
| **9999** | Brushes, sand paper etc | L.S. | 7.15 | 1.80 | 12.87 |
| **9999** | Sundries | L.S. | 8.06 | 1.80 | 14.51 |
| | TOTAL | | | | 325.74 |
| | Add 1 % Water charges | | | | 3.26 |
| | TOTAL | | | | 329.00 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 46.22 |
| | Total | | | | 375.23 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 56.28 |
| | Cost of 10.00 sqm | | | | 431.51 |
| | Cost of 1.00 sqm | | | | 43.15 |
| | Add labour cess 1% | | | | 0.43 |
| | Rate including labour cess | | | | 43.58 |
| | Say | | | | 43.60 |
| **14.69** | Varnishing with varnish of approved brand and manufacture: | | | | |
| **14.69.1** | One or more coats with copal varnish | | | | |
| | Detail of cost for 10 sqm | | | | |
| | MATERIAL | | | | |
| **857** | Superior copal varnish | litre | 0.70 | 111.94 | 78.36 |
| **9977** | Carriage | L.S. | 0.52 | 1.80 | 0.94 |
| **9999** | Repair to the surface | L.S. | 2.73 | 1.80 | 4.91 |
| | LABOUR | | | | 0.00 |
| **131** | Painter | day | 0.36 | 323.00 | 116.28 |
| **115** | Coolie | day | 0.36 | 265.00 | 95.40 |
| **9999** | Brushes, sand paper etc | L.S. | 5.33 | 1.80 | 9.59 |
| **9999** | Sundries | L.S. | 2.73 | 1.80 | 4.91 |
| | TOTAL | | | | 310.40 |
| | Add 1 % Water charges | | | | 3.10 |
| | TOTAL | | | | 313.50 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 44.05 |
| | Total | | | | 357.55 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 53.63 |
| | Cost of 10.00 sqm | | | | 411.18 |
| | Cost of 1.00 sqm | | | | 41.12 |
| | Add labour cess 1% | | | | 0.41 |
| | Rate including labour cess | | | | 41.53 |
| | Say | | | | 41.50 |
| **14.69.2** | One or more coats with spar varnish | | | | |
| | Detail of cost for 10 sqm | | | | |
| | MATERIAL | | | | |
| **858** | Superior spar varnish | litre | 0.75 | 111.94 | 83.96 |
| **9977** | Carriage | L.S. | 0.52 | 1.80 | 0.94 |
| **9999** | Repair etc | L.S. | 2.73 | 1.80 | 4.91 |
| | LABOUR | | | | 0.00 |
| **131** | Painter | day | 0.36 | 323.00 | 116.28 |
| **115** | Coolie | day | 0.36 | 265.00 | 95.40 |
| **9999** | Brushes, sand paper etc | L.S. | 2.73 | 1.80 | 4.91 |
| **9999** | Sundries | L.S. | 4.16 | 1.80 | 7.49 |
| | TOTAL | | | | 313.89 |
| | Add 1 % Water charges | | | | 3.14 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 317.03 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 44.54 |
| | Total | | | | 361.57 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 54.24 |
| | Cost of 10.00 sqm | | | | 415.81 |
| | Cost of 1.00 sqm | | | | 41.58 |
| | Add labour cess 1% | | | | 0.42 |
| | Rate including labour cess | | | | 42.00 |
| | Say | | | | 42.00 |
| **14.70** | Melamine polishing on wood work (one or more coat). | | | | |
| | Detail of cost for 10 sqm | | | | |
| | MATERIAL | | | | |
| **7241** | Melamine polish | litre | 0.65 | 269.91 | 175.44 |
| **6** | Hire charges of Spraying machine including electric charges | day | 0.78 | 250.00 | 195.00 |
| **9988** | Carriage charge of Machine & Marerial | L.S. | 4.42 | 1.80 | 7.96 |
| | LABOUR | | | | 0.00 |
| **131** | Painter | day | 0.35 | 323.00 | 113.05 |
| **114** | Beldar | day | 0.35 | 254.00 | 88.90 |
| **9999** | Sundries | L.S. | 4.42 | 1.80 | 7.96 |
| | TOTAL | | | | 588.31 |
| | Add 1 % Water charges | | | | 5.88 |
| | TOTAL | | | | 594.19 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 83.48 |
| | Total | | | | 677.68 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 101.65 |
| | Cost of 10.00 sqm | | | | 779.33 |
| | Cost of 1.00 sqm | | | | 77.93 |
| | Add labour cess 1% | | | | 0.78 |
| | Rate including labour cess | | | | 78.71 |
| | Say | | | | 78.70 |
| **14.71** | Varnishing with flatting varnish of approved brand and manufacture one or more coats on old work. | | | | |
| | Detail of cost for 10 sqm | | | | |
| | MATERIAL | | | | |
| **856** | Ordinary varnish | litre | 0.70 | 77.50 | 54.25 |
| **9999** | Glue, putty etc | L.S. | 2.73 | 1.80 | 4.91 |
| **9977** | Carriage | L.S. | 1.82 | 1.80 | 3.28 |
| **9999** | Painting brushes, turpentine, stencil etc | L.S. | 24.18 | 1.80 | 43.52 |
| | LABOUR | | | | 0.00 |
| **131** | Painter | day | 0.36 | 323.00 | 116.28 |
| **115** | Coolie | day | 0.36 | 265.00 | 95.40 |
| | TOTAL | | | | 317.65 |
| | Add 1 % Water charges | | | | 3.18 |
| | TOTAL | | | | 320.82 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 45.08 |
| | Total | | | | 365.90 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 54.88 |
| | Cost of 10.00 sqm | | | | 420.78 |
| | Cost of 1.00 sqm | | | | 42.08 |
| | Add labour cess 1% | | | | 0.42 |
| | Rate including labour cess | | | | 42.50 |
| | Say | | | | 42.50 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **14.72** | Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding. Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done. | | | | |
| | Details of cost for area 22.5m x 9.0m =202.5 sqm | | | | |
| **14.72X** | Rate as per Item No.14.72X of SH:Repairs to Buildings | each | 1.00 | 6155.16 | 6155.16 |
| **2205** | Carriage of Steel<br>40mm dia MS pipe = 3765.42 kg<br>25mm spigot = 123.98 kg<br>Nuts & bolts = 37.80 kg<br>Clamp = 120 nos @ 1.00kg each = 120.00 kg<br>Challies = 90 nos @ 15.00kg each<br>= 1350.00 kg<br>Cup locks = 1314 nos @ 0.50kg each<br>= 657.00 kg<br>Total = 6054.20 kg = 6.054 tonne | tonne | 6.05 | 96.07 | 581.61 |
| | LABOUR | | | | |
| **116** | Fitter (grade 1) | day | 15.50 | 348.00 | 5394.00 |
| **114** | Beldar | day | 31.00 | 254.00 | 7874.00 |
| **9999** | Sundries | L.S. | 1035.00 | 1.80 | 1863.00 |
| | TOTAL | | | | 21867.77 |
| | Add 1 % Water charges | | | | 218.68 |
| | TOTAL | | | | 22086.45 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 3103.15 |
| | Total | | | | 25189.59 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 3778.44 |
| | Cost of 202.50 sqm. | | | | 28968.03 |
| | Cost of 1 sqm. | | | | 143.05 |
| | Add labour cess 1% | | | | 1.43 |
| | Rate including labour cess | | | | 144.48 |
| | Say | | | | 144.50 |
| **14.72X** | Scaffolding<br>Details of cost for area 22.5 x 9.0= 202.50 sqm<br>MATERIAL<br>Assuming shuttering material will become unserviceable after use of 40 times | | | | |
| **7397** | Base jack 7x2=14 nos | each | 14.00 | 139.61 | 1954.52 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **4009** | Mild steel tubes hot finished welded type<br>40mm dia M.S. Tube<br>Vertical standard 2.5m length<br>= 7x2x9x2.5 = 315.00 m<br>Bracing ledder 1.5m length = 7x2x9x4.0873<br>= 513.00 m<br>Side support 6.00m length = 3x2x6.00<br>= 36.00 m<br>Horizontal support 3.00m length<br>= 18x3x3.00 = 162.00 m<br>Total = 1026.00m @ 3.67 kg/m = 3765.42 kg | kilogram | 3765.42 | 39.09 | 147191.71 |
| **7387** | Spigot for standard jointing 7x2x9 = 126 nos x 0.40 m length = 50.40m<br>50.40m @ 2.46kg/m = 123.98kg | kg | 123.98 | 41.88 | 5192.60 |
| **1034** | Bolts and nuts upto 300 mm in length<br>2x7x2x9 = 252 nos @ 0.15 kg each<br>= 37.80 kg = 0.378 q | quintal | 0.38 | 4746.69 | 1794.25 |
| **7346** | Double coupler 2x3x2 + 2x18x3 = 120 nos | each | 120.00 | 44.67 | 5360.97 |
| **7398** | Challies<br>3 nos x 18 lines = 54 nos<br>Two level plate challies = 2x 18 lines<br>= 36 nos, Total = 90 nos | each | 90.00 | 744.58 | 67012.09 |
| **7399** | Cup lock<br>Vertical standards 5x7x2x9 = 630.00 Nos.<br>2x18x19 = 684 Nos.<br>Total =1314 Nos. | each | 1314.00 | 46.54 | 61148.53 |
| | TOTAL | | | | 289654.66 (P) |
| | Add 10% for maintenance on P | | | | 28965.47 (Q) |
| | Less 25% salvage value on P | | | | -72413.66 R |
| | TOTAL (P+Q+R) | | | | 246206.46 |
| | Considering that scaffolding shall be unserviceable after using 40 times, cost of using once | | | | 6155.16 |
| | Say | | | | 6155.20 |
| **14.73** | Providing and fixing bright finished brass casement window fasteners or peg stays to windows/ ventilators with necessary welding and machine screws etc. complete. | | | | |
| | Details of cost for 10 nos (10 x 0.20 = 2.00 kg)<br>MATERIAL | | | | |
| **423** | Brass casement window fastener | each | 10.00 | 46.54 | 465.36 |
| **9999** | Fixing charges including welding and materials etc. | L.S. | 125.58 | 1.80 | 226.04 |
| **9977** | Carriage of materials | L.S. | 3.64 | 1.80 | 6.56 |
| | TOTAL | | | | 697.96 |
| | Add 1 % Water charges | | | | 6.98 |
| | TOTAL | | | | 704.94 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 99.04 |
| | Total | | | | 803.99 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 120.60 |
| | Cost of 2.00kg window fasteners | | | | 924.59 |
| | Cost of 1 kg window fastener | | | | 462.29 |
| | Add labour cess 1% | | | | 4.62 |
| | Rate including labour cess | | | | 466.92 |
| | Say | | | | 466.90 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **14.74** | Providing and fixing 14 mm bright finished brass spring catch to steel centre hung ventilators with necessary welding and machine screws etc. complete. | | | | |
| | Details of cost for 10 nos | | | | |
| | MATERIAL | | | | |
| **428** | Brass fanlight catch | 10 Nos | 1.00 | 186.14 | 186.14 |
| **9999** | Fixing charges including welding and materials etc. | L.S. | 125.58 | 1.80 | 226.04 |
| **9977** | Carriage of materials | L.S. | 3.64 | 1.80 | 6.56 |
| | TOTAL | | | | 418.75 |
| | Add 1 % Water charges | | | | 4.19 |
| | TOTAL | | | | 422.93 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 59.42 |
| | Total | | | | 482.36 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 72.35 |
| | Cost of 10 window fasteners | | | | 554.71 |
| | Cost of each | | | | 55.47 |
| | Add labour cess 1% | | | | 0.55 |
| | Rate including labour cess | | | | 56.03 |
| | Say | | | | 56.00 |
| **14.75** | **Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete as per the direction of Engineer-In-Charge.** | | | | |
| | Details of cost for 10 sqm | | | | |
| | MATERIAL | | | | |
| **772** | White cement based polymer modified self curing compound in powder form i/c 2% wastage | kg | 125.00 | 13.96 | 1745.11 |
| **9977** | Carriage of white cement based polymer modified self curing compound in powder form | L.S. | 21.10 | 1.80 | 38.02 |
| | LABOUR | | | | |
| **155** | Mason (average) | day | 1.21 | 305.00 | 369.05 |
| **114** | Beldar | day | 0.54 | 254.00 | 137.16 |
| **115** | Coolie | day | 1.29 | 265.00 | 341.85 |
| **9999** | Scaffolding and sunderies | L.S. | 15.21 | 1.80 | 27.38 |
| | TOTAL | | | | 2658.56 |
| | Add 1 % Water charges | | | | 26.59 |
| | TOTAL | | | | 2685.15 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 377.26 |
| | Total | | | | 3062.41 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 459.36 |
| | Cost of 10.00 sqm | | | | 3521.77 |
| | Cost of 1.00 sqm | | | | 352.18 |
| | Add labour cess 1% | | | | 3.52 |
| | Rate including labour cess | | | | 355.70 |
| | Say | | | | 355.70 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **14.75A** | **Cleaning of terrace/loft water storage tank (inside surface area) upto 2000 litre capacity at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre) (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account)** | | | | |
| | Details of cost for 10 tanks 1 tank is of 500 litres capacity i.e. 5000 litres | | | | |
| | MATERIAL | | | | |
| **1301** | Bleaching powder | quintal | 0.03 | 1628.77 | 40.72 |
| **2264** | Carriage of Rubbish | cum | 0.25 | 108.08 | 27.02 |
| | (asuming 0.040m depth of silt) | | | | 0.00 |
| **9999** | Marking with paint i/c removal of existing | | | | 0.00 |
| | markings | L.S. | 30.00 | 1.80 | 54.00 |
| | LABOUR | | | | 0.00 |
| **117** | Assistant Fitter or 2nd class Fitterfor opening ball cock wheel valve and other fittings | day | 1.00 | 305.00 | 305.00 |
| **114** | Beldar for cleaning disinfecting etc | day | 1.00 | 254.00 | 254.00 |
| | TOTAL | | | | 680.74 |
| | Add 1 % Water charges | | | | 6.81 |
| | TOTAL | | | | 687.55 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 96.60 |
| | Total | | | | 784.15 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 117.62 |
| | Cost of 5000 litres | | | | 901.77 |
| | Cost of 1 litre | | | | 0.18 |
| | Add labour cess 1% | | | | 0.00 |
| | Rate including labour cess | | | | 0.18 |
| | Say | | | | 0.20 |
| **14.76** | Cleaning and desilting of gully trap chamber, including removal of rubbish mixed with earth etc. and disposal of same, all as per the direction of Engineer-in-charge. | | | | |
| | Details of cost for 10 Nos. | | | | |
| | LABOUR | | | | |
| **129** | Sewerman | day | 1.00 | 322.00 | 322.00 |
| **9999** | T & P Bamboo, bucket, whell barrow etc. | L.S. | 11.20 | 1.80 | 20.16 |
| | TOTAL | | | | 342.16 |
| | Add 1 % Water charges | | | | 3.42 |
| | TOTAL | | | | 345.58 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 48.55 |
| | Total | | | | 394.14 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 59.12 |
| | Cost of 10 nos | | | | 453.26 |
| | Cost of each | | | | 45.33 |
| | Add labour cess 1% | | | | 0.45 |
| | Rate including labour cess | | | | 45.78 |
| | Say | | | | 45.80 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **14.77** | **Cleaning of chocked sewer line by diesel running vehicle mounting hydraulic operated high pressure suction cum jetting sewer cleaning machine fitted with pump having 4000 litres suction capacity and 6000 litres water jetting tank capacity including skilled operator, supervising engineer etc. for cleaning and partial desilting of manholes and dechocking of sewer lines. Dechocking and flushing of sewer line from one manhole to another by high pressure jetting system of 2200 PSI for sewer line from 150mm dia upto 300mm dia for all depth.** | | | | |
| | Details of Cost for 208 metres | | | | |
| | MATERIAL | | | | |
| **9999** | Soap, brush, cloths & sundries | L.S. | 345.00 | 1.80 | 621.00 |
| **8500** | Water for jetting / blowback Machineries | 1000 litre | 0.00 | 1396.09 | 2.79 |
| **0087** | Hire Charges of Suction Jeting machine 2200 PSI machine i/c POL and operator | day | 1.00 | 36000.00 | 36000.00 |
| | LABOUR | | | | 0.00 |
| **0139** | Skilled Beldar (for floor rubbing etc.) | day | 4.00 | 305.00 | 1220.00 |
| **0160** | Technician | day | 1.00 | 439.00 | 439.00 |
| | TOTAL | | | | 38282.79 |
| | Add 1 % Water charges | | | | 382.83 |
| | TOTAL | | | | 38665.62 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 5432.52 |
| | Total | | | | 44098.14 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 6614.72 |
| | Cost of 208 metres | | | | 50712.86 |
| | Cost of 1.00 metre | | | | 243.81 |
| | Add labour cess 1% | | | | 2.44 |
| | Rate including labour cess | | | | 246.25 |
| | Say | | | | 246.20 |
| **14.78** | **Cleaning of under ground sump, Over Head R.C.C. Tank ( independent staging) including disposal of slit and rubbish, all as per direction of Engineer-in-Charge. The cleaning shall consist following operations:-**<br>**(i) Tank shall be emptied of water by pumping & bottom shall be cleaned of slit and other deposits.**<br>**(ii) Entire surface area of the sump shall then scrubbed thoroughly with wire brush etc. and pressure washed with water.**<br>**(iii) Chlorination of RCC internal surface by liquid chlorine.**<br>**(iv) The treated surface shall be dried using air jetting and all loose particles shall be removal from the surface.**<br>**(v) Finally the surface shall be treated with ultraviolet radiation etc. as per direction of Engineer-in-Charge.** | | | | |
| | Let a underground tank of capacity 272000 litre or 272 KL and area of tank is 570sqm<br>(a) Dewater and slit cleaning<br>Considering through pumping 20% of water to be lifted, water discharge =(272 x 20/ 100=54.40KL)<br>Cost of pumping water with pump of capacity 4000 litres per hours , = (54.4/4 = 13.6 hours = @ 8 hours/ day = 1.7 day) | | | | |
| **0011** | Hire charges of Pump set of capacity 4000 litres/hour | day | 1.70 | 650.00 | 1105.00 |
| **0114** | Beldar | day | 10.88 | 254.00 | 2763.52 |
| | (b) Scrabing the internal surface of tank | | | | |
| **0114** | Beldar | day | 5.13 | 254.00 | 1303.02 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **0115** | Coolie | day | 2.28 | 265.00 | 604.20 |
| **0101** | Bhisti | day | 2.28 | 277.00 | 631.56 |
| **9999** | Sundries | L.S. | 142.50 | 1.80 | 256.50 |
| | (c) Bleaching | | | | |
| **1301** | Bleaching powder | quintal | 0.57 | 1628.77 | 928.40 |
| **0006** | Hire charges of Spraying machine including electric charges | day | 14.25 | 250.00 | 3562.50 |
| **0138** | Sprayer (for bitumen, tar etc.) | day | 14.25 | 267.00 | 3804.75 |
| | (d) Air jetting | | | | |
| **0058** | Air compressor | hour | 2.00 | 200.00 | 400.00 |
| **0114** | Beldar | day | 0.25 | 254.00 | 63.50 |
| | (e) Ultra Violet Radiation | | | | |
| **0085** | Using cost of Ultra Violet Radiation tube | hour | 0.50 | 189.00 | 94.50 |
| **0114** | Beldar | day | 0.06 | 254.00 | 15.88 |
| | TOTAL | | | | 15533.32 |
| | Add 1 % Water charges | | | | 155.33 |
| | TOTAL | | | | 15688.65 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 2204.26 |
| | Total | | | | 17892.91 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 2683.94 |
| | Cost of 570 sqm | | | | 20576.85 |
| | Cost of 1 sqm | | | | 36.10 |
| | Add labour cess 1% | | | | 0.36 |
| | Rate including labour cess | | | | 36.46 |
| | Say | | | | **36.50** |
| **14.79** | **Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in-charge.** | | | | |
| | Details of cost for 1 No | | | | |
| | LABOUR | | | | |
| | For disconnecting & dismantling of existing W/s line of water storage tanks on terrace of Qtrs. | | | | |
| **117** | Assistant Fitter or 2nd class Fitter | day | 0.10 | 305.00 | 30.50 |
| **114** | Beldar | day | 0.10 | 254.00 | 25.40 |
| | For Bringing the tank at Ground Level | | | | 0.00 |
| **114** | Beldar | day | 0.20 | 254.00 | 50.80 |
| **9999** | Sundries | L.S. | 1.10 | 1.80 | 1.98 |
| | TOTAL | | | | 108.68 |
| | Add 1 % Water charges | | | | 1.09 |
| | TOTAL | | | | 109.77 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 15.42 |
| | Total | | | | 125.19 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 18.78 |
| | Cost for each | | | | 143.97 |
| | Add labour cess 1% | | | | 1.44 |
| | Rate including labour cess | | | | 145.41 |
| | Say | | | | 145.40 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **14.80** | **Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in charge.** | | | | |
| **14.80.1** | Long pattern W.C Pan of size 580x440 mm | | | | |
| | Details of cost for 1 no. | | | | |
| | MATERIAL | | | | |
| **1953** | Vitreous china Indian type W.C. pan size 580 mm | each | 1.00 | 418.83 | 418.83 |
| **1970** | Vitreous china foot rests 250x125x25 mm | pair | 1.00 | 93.07 | 93.07 |
| **1890** | Centrifugally sand cast (spun) S&S "P" or "S" trap | each | 1.00 | 279.22 | 279.22 |
| **9999** | Cement sand & grit etc. | L.S. | 13.36 | 1.80 | 24.05 |
| **9977** | Carriage of materials Less for | L.S. | 13.52 | 1.80 | 24.36 |
| **1880** | | kg | -2.00 | 20.48 | -40.95 |
| | LABOUR | | | | 0.00 |
| | (a) For dismantling WC seat and P or S trap | | | | 0.00 |
| **129** | Sewerman | day | 0.05 | 322.00 | 16.10 |
| **114** | Beldar | day | 0.20 | 254.00 | 50.80 |
| | (b) For Fixing WC seat and "P" or "S" trap | | | | 0.00 |
| **126** | Mason 1st class | day | 0.80 | 342.00 | 273.60 |
| **114** | Beldar | day | 0.80 | 254.00 | 203.20 |
| | TOTAL | | | | 1342.27 |
| | Add 1 % Water charges | | | | 13.42 |
| | TOTAL | | | | 1355.69 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 190.48 |
| | Total | | | | 1546.17 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 231.93 |
| | Cost for each | | | | 1778.10 |
| | Add labour cess 1% | | | | 17.78 |
| | Rate including labour cess | | | | 1795.88 |
| | Say | | | | 1795.90 |
| **14.80.2** | Orissa pattern W.C Pan of size 580x440 mm | | | | |
| | **Details of cost for 1 no.** | | | | |
| | **MATERIAL** | | | | |
| **1954** | Vitreous china orrisa type W.C. pan size 580 mm | each | 1.00 | 725.96 | 725.96 |
| **1890** | Centrifugally sand cast (spun) S&S "P" or "S" trap | each | 1.00 | 279.22 | 279.22 |
| **9999** | Cement sand & grit etc. | L.S. | 13.36 | 1.80 | 24.05 |
| **9977** | Carriage of materials Less for | L.S. | 13.52 | 1.80 | 24.36 |
| **1880** | Dismantled "P" or "S" trap scrap (app. Wt 2 kg.) | kg | -2.00 | 20.48 | -40.95 |
| | LABOUR | | | | 0.00 |
| | (a) For dismantling WC seat and P or S trap | | | | 0.00 |
| **0129** | Sewerman | day | 0.05 | 322.00 | 16.10 |
| **0114** | Beldar | day | 0.13 | 254.00 | 31.75 |
| | (b) For Fixing WC seat and "P" or "S" trap | | | | 0.00 |
| **0126** | Mason 1st class | day | 0.80 | 342.00 | 273.60 |
| **0114** | Beldar | day | 0.80 | 254.00 | 203.20 |
| | TOTAL | | | | 1537.29 |
| | Add 1 % Water charges | | | | 15.37 |
| | TOTAL | | | | 1552.66 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 218.15 |
| | Total | | | | 1770.81 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 265.62 |
| | Cost for each | | | | 2036.43 |
| | Add labour cess 1% | | | | 20.36 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Rate including labour cess | | | | 2056.80 | |
| | Say | | | | 2056.80 | |
| **14.81** | **Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.** | | | | | |
| | **Detail of Cost for 10 holes**<br>**Size 0.30x0.30x0.23 m wall**<br>MATERIAL<br>12 mm plaster 1:4 (1 Cement: 4 Coarse sand)<br>Actual Area (10x4x0.3x0.23) = 0.296 + 0.24<br>L.S. For corners/sides = 3.00 Sqm | | | | | |
| **13.4.1** | Rate as per Item No.13.4.1 of SH:FINISHING | sqm | 3.00 | 138.51 | 415.54 | A |
| **7752** | PVC slotted pipe 200 mm dia as per IS: 12818 | metre | 0.25 | 651.51 | 162.88 | |
| **9999** | Sundries | L.S. | 8.06 | 1.80 | 14.51 | |
| | LABOUR | | | | 0.00 | |
| | Proportionate labour taken as actually required at site | | | | 0.00 | |
| **0123** | Mason (brick layer) 1st class (0.16/0.0306)= 0.11 Nos. | day | 0.11 | 342.00 | 37.62 | |
| **0124** | Mason (brick layer) 2nd class (0.16/0.030)x0.207 = 0.11 Nos. | day | 0.11 | 305.00 | 33.55 | |
| **0114** | Beldar (1.25x0.207)/0.0306 =1.10 Nos. | day | 1.10 | 254.00 | 279.40 | |
| **9999** | Add L.S. For Delay | L.S. | 16.12 | 1.80 | 29.02 | |
| | TOTAL | | | | 972.51 | |
| | Add 1 % Water charges on all except (A) | | | | | |
| | i.e. on (972.51 - 415.54) =556.97 | | | | 5.57 | |
| | TOTAL | | | | 978.08 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 79.04 | |
| | Total | | | | 1057.12 | (Y) |
| | Add 15 % Contractor's profit and overheads on all except (A) i.e. on (1274.27- 542.55) = 731.72 | | | | 96.24 | |
| | Cost of 10 nos | | | | 1153.36 | |
| | Cost of each | | | | 115.34 | |
| | Add labour cess 1% | | | | 1.15 | |
| | Rate including labour cess | | | | 116.49 | |
| | Say | | | | 116.50 | |
| **14.82** | Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in-Charge. | | | | | |
| | Details of cost for 1 no. | | | | | |
| | LABOUR | | | | | |
| **0114** | Beldar | day | 0.13 | 254.00 | 31.75 | |
| **9999** | Sundries | L.S. | 1.00 | 1.80 | 1.80 | |
| | TOTAL | | | | 33.55 | |
| | Add 1 % Water charges | | | | 0.34 | |
| | TOTAL | | | | 33.89 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 4.76 | |
| | Total | | | | 38.65 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 5.80 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost for each | | | | 44.44 | |
| | Add labour cess 1% | | | | 0.44 | |
| | Rate including labour cess | | | | 44.89 | |
| | Say | | | | 44.90 | |
| **14.83** | Hacking of CC flooring including cleaning for surface etc. complete as per direction of the Engineer-in-Charge. | | | | | |
| | Details of cost for 10 sqm | | | | | |
| | LABOUR | | | | | |
| **0114** | Beldar | day | 0.03 | 254.00 | 7.62 | |
| **9999** | Sundries | L.S. | 1.00 | 1.80 | 1.80 | |
| | TOTAL | | | | 9.42 | |
| | Add 1 % Water charges | | | | 0.09 | |
| | TOTAL | | | | 9.51 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1.34 | |
| | Total | | | | 10.85 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1.63 | |
| | Cost of 10 sqm | | | | 12.48 | |
| | Cost of 1 sqm | | | | 1.25 | |
| | Add labour cess 1% | | | | 0.01 | |
| | Rate including labour cess | | | | 1.26 | |
| | Say | | | | 1.30 | |
| **14.84** | Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes (within 50 metres lead) as per direction of Engineer-in-Charge. | | | | | |
| | **(a)** Internal Work- Exposed on wall | | | | | |
| | **Details of cost for 10 metre** | | | | | |
| | LABOUR | | | | | |
| **9999** | Dismantling of G.I. Pipe and stacking etc | L.S. | 10.00 | 1.80 | 18.00 | |
| | TOTAL | | | | 18.00 | |
| | Add 1 % Water charges | | | | 0.18 | |
| | TOTAL | | | | 18.18 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 2.55 | |
| | Total | | | | 20.73 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 3.11 | |
| | Cost of 10 sqm | | | | 23.84 | |
| | Cost of 1 sqm | | | | 2.38 | |
| | Add labour cess 1% | | | | 0.02 | |
| | Rate including labour cess | | | | 2.41 | |
| | Say | | | | 2.40 | |
| **14.85** | **Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.** | | | | | |
| | **Details of cost for one shutter (2.2 sqm) Normal exiting size of shutter 1.00x2.02m =2.02sqm** | | | | | |
| | MATERIAL | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **0637** | Bright finished or black enameled mild steel screws 40 mm<br>Assuming old hinges fixed in Tee iron frames<br>Half qty = 48/2=24 needs replacement | 100 Nos | 0.24 | 58.64 | 14.07 |
| | LABOUR | | | | |
| **0156** | Carpenter (average) | day | 0.18 | 305.00 | 54.90 |
| **0114** | Beldar | day | 0.18 | 254.00 | 45.72 |
| | TOTAL | | | | 114.69 |
| | Add 1 % Water charges | | | | 1.15 |
| | TOTAL | | | | 115.84 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 16.28 |
| | Total | | | | 132.11 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 19.82 |
| | Cost for 2.2 sqm or each shutter | | | | 151.93 |
| | Cost for 2.02 sqm or each shutter | | | | 139.50 |
| | Add labour cess 1% | | | | 1.40 |
| | Rate including labour cess | | | | 140.90 |
| | Say | | | | 140.90 |

# SUB HEAD : 15.0
# DISMANTLING AND DEMOLISHING

# 15.0 Dismantling and Demolishing

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| **15.1** | **Demolishing iime concrete and disposal of material within 50 metre lead. Details of cost for 1 cum** | | | | | |
| | **Labour:** | | | | | |
| | Beldar | per day | 0.44 | 254.00 | (0114) | 111.76 |
| | Coolie | per day | 0.37 | 265.00 | (0115) | 98.05 |
| | Sundries | 1 time | 1.04 | 1.8 | (9999) | 1.872 |
| | Total | | | | | 211.682 |
| | Ada tor water cnarges @ 1% | | | | | 2.11682 (X) |
| | Total | | | | | 213.79882 |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 30.04 |
| | Total | | | | | 243.84 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 36.58 |
| | Cost of 1 cum | | | | | 280.41 |
| | Add labour cess @ 1% | | | | | 2.80 |
| | Rate including labour cess | | | | | 283.21 |
| | | | **Say** | **Rs.283.20** | **per cum** | |
| **15.2** | **Demolishing cement concrete including disposal of fmaterial wihin 50 metre lead:** | | | | | |
| 15.2.1 | **Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)** | | | | | |
| | Details of cost for 1 cum | | | | | |
| | **Labour:** | | | | | |
| | Beldar | per day | 1.59 | 254.00 | (0114) | 403.86 |
| | Coolie | per day | 0.72 | 265.00 | (0115) | 190.8 |
| | Sundries | 1 time | 4.81 | 1.8 | (9999) | 8.658 |
| | Total | | | | | 603.318 |
| | Ada tor water cnarges @ 1% | | | | | 6.03318 (X) |
| | Total | | | | | 609.35118 |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 85.61 |
| | Total | | | | | 694.97 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 104.24 |
| | Cost of 1 cum | | | | | 799.21 |
| | Add labour cess @ 1% | | | | | 7.99 |
| | Rate including labour cess | | | | | 807.20 |
| | | | **Say** | **Rs.807.20** | **per cum** | |
| **15.2.2** | **Nominal concrete 1:4:8 or leaner mix ( including equivalent design mix )** | | | | | |
| | Details of cost for 1 cum | | | | | |
| | **Labour:** | | | | | |
| | Beldar | per day | 0.88 | 254.00 | (0114) | 223.52 |
| | Coolie | per day | 0.55 | 265.00 | (0115) | 145.75 |
| | Sundries | 1 time | 1.95 | 1.8 | (9999) | 3.51 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Total | | | | | 372.78 | |
| | Ada tor water cnarges @ 1% | | | | | 3.7278 | (X) |
| | Total | | | | | 376.5078 | |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 52.90 | |
| | Total | | | | | 429.41 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 64.41 | |
| | Cost of 1 cum | | | | | 493.82 | |
| | Add labour cess @ 1% | | | | | 4.94 | |
| | Rate including labour cess | | | | | 498.76 | |
| | | | **Say** | **Rs.498.80** | **per cum** | | |
| **15.3** | **Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead: Details of cost for 1 cum** | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 2.65 | 254.00 | (0114) | 673.1 | |
| | Coolie | per day | 0.72 | 265.00 | (0115) | 190.8 | |
| | Sundries | 1 time | 7.02 | 1.8 | (9999) | 12.636 | |
| | Total | | | | | 876.536 | |
| | Ada tor water cnarges @ 1% | | | | | 8.76536 | (X) |
| | Total | | | | | 885.30136 | |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 124.38 | |
| | Total | | | | | 1009.69 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 151.45 | |
| | Cost of 1 cum | | | | | 1161.14 | |
| | Add labour cess @ 1% | | | | | 11.61 | |
| | Rate including labour cess | | | | | 1172.75 | |
| | | | **Say** | **Rs.1172.70** | **per cum** | | |
| **15.4** | **Demolishing R.B. work including stacking of stee! bars and disposal of funserviceable material within 50 metres lead:** | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | **Labour:** | | | | | | |
| | Beldar | per day | 2.120 | 254.000 | (0114) | 538.480 | |
| | Coolie | per day | 0.900 | 265.000 | (0115) | 238.500 | |
| | Sundries | 1 time | 4.680 | 1.800 | (9999) | 8.424 | |
| | Total | | | | | 785.404 | |
| | Ada tor water cnarges @ 1% | | | | | 7.85404 | (X) |
| | Total | | | | | 793.25804 | |
| | Add GST 12% on "X" (multiplying factor | | | | | 111.45 | |
| | Total | | | | | 904.71 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 135.71 | |
| | Cost of 1 cum | | | | | 1040.417 | |
| | Add labour cess @ 1% | | | | | 10.40 | |
| | Rate including labour cess | | | | | 1050.82 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | | | **Say** | **Rs.1050.80** | **per cum** | | |
| **15.5** | **Extra for cutting reinforcement bars in R.C.C. or R.B. work(Payement shall be made on the cross sectional area of R.C.C. or R.B. work) Dettails of cost for 1 sqm R.C.C. or R.B. work Reinforced area considering 1 % reinforcement =0.01 sqm** | | | | | | |
| | Labour: | | | | | | |
| | For cutting 0.01 sqm reinforcement | | | | | | |
| | Blacksmith 2nd class | per day | 0.500 | 305.000 | (0103) | 152.500 | |
| | Beldar | per day | 0.500 | 254.000 | (0114) | 127.000 | |
| | Sundries | 1 time | 13.390 | 1.800 | (9999) | 24.102 | |
| | Total | | | | | 303.602 | |
| | Ada tor water cnarges @ 1% | | | | | 3.03602 | (X) |
| | Total | | | | | 306.63802 | |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 43.08 | |
| | Total | | | | | 349.72 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 52.46 | |
| | Cost of 1 RCC | | | | | 402.18 | |
| | Add labour cess @ 1% | | | | | 4.02 | |
| | Rate including labour cess | | | | | 406.20 | |
| | | | **Say** | **Rs.406.20** | **per R.C.C** | | |
| **15.6** | **Extra for scrapping, cleaning and straightening reinforcement from R.C.C. or R.B. work. Details of cost for 10 nos. 6 metres long 16 mm dia bars@ 1.58 kg/metre** | | | | | | |
| | Total weight=94.80 kg=0.94S quintal | | | | | | |
| | Labour: | | | | | | |
| | Blacksmith 2nd class | per day | 0.250 | 305.000 | .(0103) | 76.250 | |
| | Beldar | per day | 0.500 | 254.000 | (0114) | 127.000 | |
| | Sundries | 1 time | 13.390 | 1.800 | (9999) | 24.102 | |
| | Total | | | | | 227.352 | |
| | Ada tor water cnarges @ 1% | | | | | 2.27352 | (X) |
| | Total | | | | | 229.62552 | |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 32.26 | |
| | Total | | | | | 261.89 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 39.28 | |
| | Cost of 94.8 kg | | | | | 301.171 | |
| | Cost of 1 kg | | | | | 3.177 | |
| | Add labour cess @ 1% | | | | | 0.03 | |
| | Rate including labour cess | | | | | 3.21 | |
| | | | **Say** | **Rs.3.20** | **Per kg.** | | |
| **15.7** | **Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 metres lead:** | | | | | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| 15.7.1 | In mud mortar | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | Labour: | | | | | | |
| | Beldar | Per day | 0.300 | 254.000 | (0114) | 76.200 | |
| | Coolie | Per day | 0.370 | 265.000 | (0115) | 98.050 | |
| | Sundries | 1 time | 1.040 | 1.800 | (9999) | 1.872 | |
| | Total | | | | | 176.122 | |
| | Ada tor water cnarges @ 1% | | | | | 1.76122 | (X) |
| | Total | | | | | 177.88322 | |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 24.99 | |
| | Total | | | | | 202.88 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 30.43 | |
| | Cost of 1 cum | | | | | 233.31 | |
| | Add labour cess @ 1% | | | | | 2.33 | |
| | Rate including labour cess | | | | | 235.64 | |
| | | | **Say** | **Rs.235.60** | **Per cum** | | |
| **15.7.2** | **In lime mortar with old mughal bricks** | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | **Labour:** | | | | | | |
| | Beldar | per day | 1.240 | 254.000 | (0114) | 314.960 | |
| | Coolie | per day | 0.460 | 265.000 | (0115) | 121.900 | |
| | Sundries | 1 time | 1.040 | 1.800 | (9999) | 1.872 | |
| | Total | | | | | 438.732 | |
| | Ada tor water cnarges @ 1% | | | | | 4.38732 | (X) |
| | Total | | | | | 443.11932 | |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 62.26 | |
| | Total | | | | | 505.38 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 75.81 | |
| | Cost of 1 cum | | | | | 581.18 | |
| | Add labour cess @ 1% | | | | | 5.81 | |
| | Rate including labour cess | | | | | 586.99 | |
| | | | **Say** | **Rs.587.00** | **Per cum** | | |
| **15.7.3** | **In lime mortar** | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | **Labour:** | | | | | | |
| | Beldar | per day | 0.440 | 254.000 | (0114) | 111.760 | |
| | Coolie | per day | 0.370 | 265.000 | (0115) | 98.050 | |
| | Sundries | 1 time | 1.040 | 1.800 | (9999) | 1.872 | |
| | Total | | | | | 211.682 | |
| | Ada tor water cnarges @ 1% | | | | | 2.11682 | (X) |
| | Total | | | | | 213.79882 | |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 30.04 | |
| | Total | | | | | 243.84 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 36.58 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Cost of 1 cum | | | | | 280.41 |
| | Add labour cess @ 1% | | | | | 2.80 |
| | Rate including labour cess | | | | | 283.21 |
| | | | **Say** | **Rs.283.20** | **Per cum** | |
| **15.7.4** | **In cement mortar** | | | | | |
| | Details of cost for 1 cum | | | | | |
| | **Labour:** | | | | | |
| | Beldar | per day | 1.060 | 254.000 | (0114) | 269.240 |
| | Coolie | per day | 0.900 | 265.000 | (0115) | 238.500 |
| | Sundries | 1 time | 2.400 | 1.800 | (9999) | 4.320 |
| | Total | | | | | 512.06 |
| | Ada tor water cnarges @ 1% | | | | | 5.1206 (X) |
| | Total | | | | | 517.1806 |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 72.66 |
| | Total | | | | | 589.84 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 88.48 |
| | Cost of 1 cum | | | | | 678.32 |
| | Add labour cess @ 1% | | | | | 6.78 |
| | Rate including labour cess | | | | | 685.10 |
| | | | **Say** | **Rs.685.10** | **Per cum** | |
| **15.8** | **Removing mortar form bricks and cleaning bricks including stacking within a lead of 50m (stacks of cleaned bricks shall be measured):** | | | | | |
| 15.8.1 | **From brick work in mud mortar** | | | | | |
| | Details of cost for 1 cum | | | | | |
| | Labour: | | | | | |
| | Beldar | per day | 2.400 | 254.000 | (0114) | 609.600 |
| | Coolie | per day | 1.600 | 265.000 | (0115) | 424.000 |
| | Mason 2nd dass | per day | 0.400 | 305.000 | (0124) | 122.000 |
| | Sundries | 1 time | 1.820 | 1.800 | (9999) | 3.276 |
| | Total | | | | | 1158.876 |
| | Ada tor water cnarges @ 1% | | | | | 11.58876 |
| | Total | | | | | 1170.4648 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 164.45 |
| | Total | | | | | 1334.92 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 200.24 |
| | Cost of 1 cum | | | | | 1535.152 |
| | Add labour cess @ 1% | | | | | 15.35 |
| | Rate including labour cess | | | | | 1550.50 |
| | | | **Say** | **Rs.1550.50** | **Per cum** | |
| **15.8.2** | **From brick work in lime mortar** | | | | | |
| | Details of cost for 1 cum | | | | | |
| | Labour: | | | | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Betdar | per day | 2.800 | 254.000 | (0114) | 711.200 | |
| | Coolie | per day | 1.400 | 265.000 | (0115) | 371.000 | |
| | Mason 2nd class | per day | 0.800 | 305.000 | (0124) | 244.000 | |
| | Sundries | 1 time | 8.970 | 1.800 | (9999) | 16.146 | |
| | Total | | | | | 1342.346 | |
| | Ada tor water cnarges @ 1% | | | | | 13.42346 | |
| | Total | | | | | 1355.7695 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 190.49 | |
| | Total | | | | | 1546.26 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 231.94 | |
| | Cost of 1 cum | | | | | 1778.193 | |
| | Add labour cess @ 1% | | | | | 17.78 | |
| | Rate including labour cess | | | | | 1795.97 | |
| | | | **Say** | **Rs.1796.00** | **Per cum** | | |
| **15.8.3** | **From brick work in cement mortar** | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 3.500 | 254.000 | (0114) | 889.000 | |
| | Coolie | per day | 1.500 | 265.000 | (0115) | 397.500 | |
| | Mason 2nd class | per day | 1.240 | 305.000 | (0124) | 378.231 | |
| | Sundries | 1 time | 8.060 | 1.800 | (9999) | 14.508 | |
| | Total | | | | | 1679.239 | |
| | Ada tor water cnarges @ 1% | | | | | 16.792385 | |
| | Total | | | | | 1696.0309 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 238.29 | |
| | Total | | | | | 1934.32 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 290.15 | |
| | Cost of 1 cum | | | | | 2224.472 | |
| | Add labour cess @ 1% | | | | | 22.24 | |
| | Rate including labour cess | | | | | 2246.71 | |
| | | | **Say** | **Rs.2246.70** | **Per cum** | | |
| **15.9** | **Demolishing stone rubble masonry including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.** | | | | | | |
| **15.9.1** | **In lime mortar** | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 0.610 | 254.000 | (0114) | 154.940 | |
| | Coolie | per day | 0.490 | 265.000 | (0115) | 129.850 | |
| | Sundries | 1 time | 1.950 | 1.800 | (9999) | 3.510 | |
| | Total | | | | | 288.300 | |
| | Ada tor water cnarges @ 1% | | | | | 2.883 | |
| | Total | | | | | 291.183 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 40.91 | |
| | Total | | | | | 332.09 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 49.81 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Cost of 1 cum | | | | | 381.91 |
| | Add labour cess @ 1% | | | | | 3.82 |
| | Rate including labour cess | | | | | 385.73 |
| | | | **Say** | **Rs.385.70** | **Per cum** | |
| **15.9.2** | **In cement mortar** | | | | | |
| | Details of cost for 1 cum | | | | | |
| | Labour | | | | | |
| | Beldar | per day | 1.300 | 254.000 | (0114) | 330.200 |
| | Coolie | per day | 1.04 | 265.000 | (0115) | 275.600 |
| | Sundries | 1 time | 2.73 | 1.800 | (9999) | 4.914 |
| | Total | | | | | 610.714 |
| | Ada tor water cnarges @ 1% | | | | | 6.10714 |
| | Total | | | | | 616.82114 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 86.66 |
| | Total | | | | | 703.48 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 105.52 |
| | Cost of 1 cum | | | | | 809.01 |
| | Add labour cess @ 1% | | | | | 8.09 |
| | Rate including labour cess | | | | | 817.10 |
| | | | **Say** | **Rs.817.10** | **Per cum** | |
| **15.10** | **Desmantiling dressed stone work ashlar face stone work, marble work or precast concrete work including stacking of service able and disposal of unserviceable material within 50 metres lead:** | | | | | |
| **15.10.1** | **In lime mortar** | | | | | |
| | Details of cost for 1 cum | | | | | |
| | Labour: | | | | | |
| | Beldar | per day | 0.78 | 254.000 | (0114) | 198.120 |
| | Coolie | per day | 0.61 | 265.000 | (0115) | 161.650 |
| | Sundries | 1 time | 2.73 | 1.800 | (9999) | 4.914 |
| | Total | | | | | 364.684 |
| | Ada tor water cnarges @ 1% | | | | | 3.64684 |
| | Total | | | | | 368.33084 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 51.75 |
| | Total | | | | | 420.08 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 63.01 |
| | Cost of 1 cum | | | | | 483.09 |
| | Add labour cess @ 1% | | | | | 4.83 |
| | Rate including labour cess | | | | | 487.92 |
| | | | **Say** | **Rs.487.90** | **Per cum** | |
| 15.10.2 | In cement mortar | | | | | |
| | Details of cost for 1 cum | | | | | |
| | Labour: | | | | | |
| | Beldar | per day | 1.55 | 254.000 | (0114) | 393.700 |
| | Coolie | per day | 1.19 | 265.000 | (0115) | 315.350 |
| | Sundries | 1 time | 2.73 | 1.800 | (9999) | 4.914 |
| | Total | | | | | 713.964 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Ada tor water cnarges @ 1% | | | | | 7.13964 | |
| | Total | | | | | 721.10364 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 101.32 | |
| | Total | | | | | 822.42 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 123.36 | |
| | Cost of 1 cum | | | | | 945.78 | |
| | Add labour cess @ 1% | | | | | 9.46 | |
| | Rate including labour cess | | | | | 955.24 | |
| | | | **Say** | **Rs.955.20** | **Per cum** | | |
| **15.11** | **Removing mortar form stones and cleaning stones and concrete articles (net quantity of stacks of cleaned materials will be measured)** | | | | | | |
| **15.11.1** | **In lime mortar** | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | **Labour:** | | | | | | |
| | Mason 2nd dass | per day | 0.05 | 305.000 | (0124) | 15.250 | |
| | Beldar | per day | 0.2 | 254.000 | (0114) | 50.800 | |
| | Coolie | per day | 0.2 | 265.000 | (0115) | 53.000 | |
| | Sundries | 1 time | 0.52 | 1.800 | (9999) | 0.936 | |
| | Total | | | | | 119.986 | |
| | Ada tor water cnarges @ 1% | | | | | 1.19986 | |
| | Total | | | | | 121.18586 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 17.03 | |
| | Total | | | | | 138.21 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 20.73 | |
| | Cost of 1 cum | | | | | 158.944 | |
| | Add labour cess @ 1% | | | | | 1.59 | |
| | Rate including labour cess | | | | | 160.53 | |
| | | | **Say** | **Rs.160.53** | **Per cum** | | |
| **15.11.2** | **In cement mortar** | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | Labour: | | | | | | |
| | Mason 2nd class | per day | 0.050 | 305.000 | (0124) | 15.250 | |
| | Beldar | per day | 0.400 | 254.000 | (0114) | 101.600 | |
| | Coolie | per day | 0.200 | 265.000 | (0115) | 53.000 | |
| | Sundries | 1 time | 0.910 | 1.800 | (9999) | 1.638 | |
| | Total | | | | | 171.488 | |
| | Ada tor water cnarges @ 1% | | | | | 1.71488 | |
| | Total | | | | | 173.20288 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 24.34 | |
| | Total | | | | | 197.54 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 29.63 | |
| | Cost of 1 cum | | | | | 227.169 | |
| | Add labour cess @ 1% | | | | | 2.27 | |
| | Rate including labour cess | | | | | 229.44 | |
| | | | **Say** | **Rs.229.40** | **Per cum** | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| **15.12** | **Desmantiling doors windows and clerestory windows (steel or wood) shutters including chowkhats, architrage. holdfasts etc. comploete and stacking within 50 metres lead:** | | | | | |
| **15.12.1** | **Of area 3 sqm and below** | | | | | |
| | Details of cost for each | | | | | |
| | Labour: | | | | | |
| | Mason 2nd class | per day | 0.100 | 305.000 | (0124) | 30.500 |
| | Beldar | per day | 0.180 | 254.000 | (0114) | 45.720 |
| | blacksmith 2nd dass | per day | 0.050 | 305.000 | (0103) | 15.250 |
| | Sundries | 1 time | 1.430 | 1.800 | (9999) | 2.574 |
| | Total | | | | | 94.044 |
| | Ada tor water cnarges @ 1% | | | | | 0.94044 |
| | Total | | | | | 94.98444 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 13.35 |
| | Total | | | | | 108.33 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 16.25 |
| | Cost of 1 each | | | | | 124.579 |
| | Add labour cess @ 1% | | | | | 1.25 |
| | Rate including labour cess | | | | | 125.83 |
| | | | **Say** | **Rs.125.80** | **Each** | |
| **15.12.2** | **Of area beyond 3 sqm** | | | | | |
| | Details of cost of each | | | | | |
| | Labour: | | | | | |
| | Mason 2nd class | per day | 0.130 | 305.000 | (0124) | 39.650 |
| | Beldar | per day | 0.250 | 254.000 | (0114) | 63.500 |
| | Blacksmith 2nd dass | per day | 0.070 | 305.000 | (0103) | 21.350 |
| | Sundries | 1 time | 2.730 | 1.800 | (9999) | 4.914 |
| | Total | | | | | 129.414 |
| | Ada tor water cnarges @ 1% | | | | | 1.29414 |
| | Total | | | | | 130.70814 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 18.36 |
| | Total | | | | | 149.07 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 22.36 |
| | Cost of 1 each | | | | | 171.434 |
| | Add labour cess @ 1% | | | | | 1.71 |
| | Rate including labour cess | | | | | 173.14 |
| | | | **Say** | **Rs.173.10** | **Each** | |
| **15.13** | **Taking out doors, windows and clerstory window shutters (steel or wood) including stacking within 50 metres lead.** | | | | | |
| **15.13.1** | **Of area 3 sqm and below** | | | | | |
| | Details of cost of each | | | | | |
| | **Labour:** | | | | | |
| | Carpenter 2nd class | per day | 0.050 | 305.000 | (0112) | 15.250 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Beldar | per day | 0.080 | 254.000 | (0114) | 20.320 | |
| | Sundries | 1 time | 0.520 | 1.800 | (9999) | 0.936 | |
| | Total | | | | | 36.506 | |
| | Ada tor water cnarges @ 1% | | | | | 0.36506 | |
| | Total | | | | | 36.871 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 5.18 | |
| | Total | | | | | 42.05 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 6.31 | |
| | Cost of 1 each | | | | | 48.36 | |
| | Add labour cess @ 1% | | | | | 0.48 | |
| | Rate including labour cess | | | | | 48.84 | |
| | | | **Say** | **Rs.48.80** | **Each** | | |
| **15.13.2** | **Of area beyond 3 sqm Details of cost of each** | | | | | | |
| | **Labour:** | | | | | | |
| | Carpenter 2nd class | per day | 0.070 | 305.000 | (0112) | 21.350 | |
| | Beldar | per day | 0.100 | 254.000 | (0114) | 25.400 | |
| | Sundries | 1 time | 0.910 | 1.800 | (9999) | 1.638 | |
| | Total | | | | | 48.388 | |
| | Ada tor water cnarges @ 1% | | | | | 0.48388 | |
| | Total | | | | | 48.87188 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 6.87 | |
| | Total | | | | | 55.74 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 8.36 | |
| | Cost of 1 each | | | | | 64.10 | |
| | Add labour cess @ 1% | | | | | 0.64 | |
| | Rate including labour cess | | | | | 64.74 | |
| | | | **Say** | **Rs.64.70** | **Each** | **per each** | |
| **15.14** | **Dismantling wood work in frames, trusses, purlins and rafters upto 10 metres span and 5 metres height including stacking the material within 50 metres lead:** | | | | | | |
| **15.14.1** | **Of sectional area 40 $cm^2$ and above Details of cost for 1 cum** | | | | | | |
| | Labour: | | | | | | |
| | Carpenter 2nd class | per day | 2.000 | 305.000 | (0112) | 610.000 | |
| | Beldar | per day | 2.000 | 254.000 | (0114) | 508.000 | |
| | Sundries | 1 time | 13.390 | 1.800 | (9999) | 24.102 | |
| | Total | | | | | 1142.102 | |
| | Ada tor water cnarges @ 1% | | | | | 11.42102 | |
| | Total | | | | | 1153.523 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 162.07 | |
| | Total | | | | | 1315.59 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 197.34 | |
| | Cost of 1 cum | | | | | 1512.93 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Add labour cess @ 1% | | | | | 15.13 |
| | Rate including labour cess | | | | | 1528.06 |
| | | | **Say** | **Rs.1528.10** | Per cum | |
| **15.14.2** | **Of sectional area below 40cm$^3$ Details of cost for 10 metre** | | | | | |
| | Labour: | | | | | |
| | Carpenter 2nd dass | per day | 0.080 | 305.000 | (0112) | 24.400 |
| | Beldar | per day | 0.080 | 254.000 | (0114) | 20.320 |
| | Sundries | 1 time | 0.520 | 1.800 | (9999) | 0.936 |
| | Total | | | | | 45.656 |
| | Ada tor water cnarges @ 1% | | | | | 0.45656 |
| | Total | | | | | 46.11256 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 6.48 |
| | Total | | | | | 52.59 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 7.89 |
| | Cost of 10 m | | | | | 60.48 |
| | Cost of 1 m | | | | | 6.048 |
| | Add labour cess @ 1% | | | | | 0.06 |
| | Rate including labour cess | | | | | 6.11 |
| | | | **Say** | **Rs.6.10** | **per metre** | |
| **15.15** | **Extra for dismantling trusses, rafters, purlins etc. of wood work for every additional span of of one metre or part thereof beyond 10 metres:** | | | | | |
| **15.15.1** | **Of sectional area 40 cm$^2$ and above Details of cost for 1 cum for every additional span of 1 metre.** | | | | | |
| | **Labour:** | | | | | |
| | Blacksmith 2nd dass | per day | 0.200 | 305.000 | (0103) | 61.000 |
| | Beldar | per day | 0.300 | 254.000 | (0114) | 76.200 |
| | Sundries | 1 time | 13.390 | 1.800 | (9999) | 24.102 |
| | Total | | | | | 161.302 |
| | Ada tor water cnarges @ 1% | | | | | 1.61302 |
| | Total | | | | | 162.91502 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 22.89 |
| | Total | | | | | 185.80 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 27.87 |
| | Cost of 1 metre span | | | | | 213.68 |
| | Add labour cess @ 1% | | | | | 2.14 |
| | Rate including labour cess | | | | | 215.82 |
| | | | **Say** | **Rs.215.80** | **per metre** | |
| **15.15.2** | **Of. sectional area below 40 cm$^2$** | | | | | |
| | Details of cost for 1.00 cum for every additional span of 1.00 metre | | | | | |
| | Labour: | | | | | |
| | Blacksmith 2nd class | per day | 0.007 | 305.000 | (0103) | 1.983 |
| | Beldar | per day | 0.008 | 254.000 | (0114) | 2.032 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Sundries | 1 time | 0.390 | 1.800 | (9999) | 0.702 | |
| | Total | | | | | 4.717 | |
| | Ada tor water cnarges @ 1% | | | | | 0.047165 | |
| | Total | | | | | 4.763665 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 0.67 | |
| | Total | | | | | 5.43 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 0.81 | |
| | Cost of 10 m | | | | | 6.25 | |
| | Cost of 1 metre span | | | | | 0.625 | |
| | Add labour cess @ 1% | | | | | 0.01 | |
| | Rate including labour cess | | | | | 0.63 | |
| | | | **Say** | **Rs.0.60** | **per metre** | | |
| **15.16** | **Extra for dismantling trusses, rafters purlins etc. of wood work for every additional height of one metre or part thereof beyond 5 metres.** | | | | | | |
| **15.16.1** | **Of sectional area 40 square centimetres and above** | | | | | | |
| | Details of cost for 1 cum/m | | | | | | |
| | Labour: | | | | | | |
| | Blacksmith 2nd class | per day | 0.250 | 305.000 | (0103) | 76.250 | |
| | Beldar | per day | 0.500 | 254.000 | (0114) | 127.000 | |
| | Sundries | 1 time | 13.390 | 1.800 | (9999) | 24.102 | |
| | Total | | | | | 227.352 | |
| | Ada tor water cnarges @ 1% | | | | | 2.27352 | |
| | Total | | | | | 229.62552 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 32.26 | |
| | Total | | | | | 261.89 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 39.28 | |
| | Cost of 1 cum | | | | | 301.17 | |
| | Add labour cess @ 1% | | | | | 3.01 | |
| | Rate including labour cess | | | | | 304.18 | |
| | | | **Say** | **Rs.304.20** | **per cum** | | |
| **15.16.2** | **Of sectional area belwo 40 square centimetres Details of cost for 10 metre per additional height of 1 metre** | | | | | | |
| | Labour: | | | | | | |
| | Blacksmith 2nd class | per day | 0.01 | 305.000 | (0103) | 3.050 | |
| | Beldar | per day | 0.02 | 254.000 | (0114) | 5.080 | |
| | Sundries | 1 time | 0.39 | 1.800 | (9999) | 0.702 | |
| | Total | | | | | 8.832 | |
| | Ada tor water cnarges @ 1% | | | | | 0.08832 | |
| | Total | | | | | 8.92032 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 1.25 | |
| | Total | | | | | 10.17 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 1.53 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Cost of 10 m | | | | | 11.70 |
| | Cost of 1 m | | | | | 1.1699669 |
| | Add labour cess @ 1% | | | | | 0.01 |
| | Rate including labour cess | | | | | 1.18 |
| | | | **Say** | **Rs.1.20** | **per metre** | |
| **15.17** | **Dismantling steel work in single sections including desmembering and stacking-within SO metres lead in:** | | | | | |
| **15.17.1** | **R.S. Joists** | | | | | |
| | Details of cost for 1 quintal | | | | | |
| | Labour: | | | | | |
| | Blacksmith 2nd dass | per day | 0.050 | 305.000 | (0103) | 15.250 |
| | Bandhani | per day | 0.100 | 270.000 | (0100) | 27.000 |
| | Beldar | per day | 0.150 | 254.000 | (0114) | 38.100 |
| | Sundries | 1 time | 2.730 | 1.800 | (9999) | 4.914 |
| | Total | | | | | 85.264 |
| | Ada tor water cnarges @ 1% | | | | | 0.85264 |
| | Total | | | | | 86.11664 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 12.10 |
| | Total | | | | | 98.22 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 14.73 |
| | Cost of 100 kg | | | | | 112.948 |
| | Cost of 1 kg | | | | | 1.129 |
| | Add labour cess @ 1% | | | | | 0.01 |
| | Rate including labour cess | | | | | 1.14 |
| | | | **Say** | **Rs.1.10** | **per kg** | |
| **15.17.2** | **Channels.angles, tees and flats** | | | | | |
| | Details of cost for 1 quintal | | | | | |
| | Labour: | | | | | |
| | Blacksmith 2nd dass | per day | 0.050 | 305.000 | (0103) | 15.250 |
| | Bandhani | per day | 0.050 | 270.000 | (0100) | 13.500 |
| | Beldar | per day | 0.100 | 254.000 | (0114) | 25.400 |
| | Sundries | 1 time | 2.730 | 1.800 | (9999) | 4.914 |
| | Total | | | | | 59.064 |
| | Ada tor water cnarges @ 1% | | | | | 0.59064 |
| | Total | | | | | 59.65464 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 8.38 |
| | Total | | | | | 68.04 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 10.21 |
| | Cost of 100 kg | | | | | 78.242 |
| | Cost of 1 kg | | | | | 0.782 |
| | Add labour cess @ 1% | | | | | 0.01 |
| | Rate including labour cess | | | | | 0.79 |
| | | | **Say** | **Rs.0.80** | **per kg** | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| **15.18** | **Dismantling steel work in built up sections in angles, tees, ffiats and channels induding ali gusset plats, bolts, nuts, cutting rivets, welding etc. induding dismem bering and stacking within 50 metres lead.** | | | | | | |
| | Details of cost for 1 quintal | | | | | | |
| | Labour: | | | | | | |
| | Blacksmith 2nd dass | per day | 0.150 | 305.000 | (0103) | 45.750 | |
| | Bandhani | per day | 0.100 | 270.000 | (0100) | 27.000 | |
| | Beldar | per day | 0.250 | 254.000 | (0114) | 63.500 | |
| | Sundries | 1 time | 4.160 | 1.800 | (9999) | 7.488 | |
| | Total | | | | | 143.738 | |
| | Ada tor water cnarges @ 1% | | | | | 1.43738 | |
| | Total | | | | | 145.17538 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 20.40 | |
| | Total | | | | | 165.57 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 24.84 | |
| | Cost of 100 kg | | | | | 190.408 | |
| | Cost of 1 kg | | | | | 1.904 | |
| | Add labour cess @ 1% | | | | | 0.02 | |
| | Rate including labour cess | | | | | 1.92 | |
| | | | **Say** | **Rs.1.90** | **per kg** | | |
| **15.19** | **Dismantling steel work in built up sections without dismembering and stacking within 50 metres lead Details of fcost for 1 quintal** | | | | | | |
| | **Labour:** | | | | | | |
| | Bandhani | per day | 0.100 | 270.000 | (0 100) | 27.000 | |
| | Beldar | per day | 0.250 | 254.000 | (0114) | 63.518 | |
| | Sundries | 1 time | 2.730 | 1.800 | (9999) | 4.914 | |
| | Total | | | | | 95.432 | |
| | Ada tor water cnarges @ 1% | | | | | 0.9543178 | |
| | Total | | | | | 96.386098 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 13.54 | |
| | Total | | | | | 109.93 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 16.49 | |
| | Cost of 100 kg | | | | | 126.42 | |
| | Cost of 1 kg | | | | | 1.26 | |
| | Add labour cess @ 1% | | | | | 0.01 | |
| | Rate including labour cess | | | | | 1.27 | |
| | | | **Say** | **Rs.1.30** | **per kg** | | |
| **15.20** | **Extra for dismantling trusses, rafters, purlins eetc. Of steel work for every additional span of one metre or part thereof beyond 10 metres Details of cost for 1 quintal for every additional span of 1 metre beyond 10 m** | | | | | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | **Labour:** | | | | | |
| | Bandhani | per day | 0.020 | 270.000 | (0100) | 5.400 |
| | Beldar | per day | 0.060 | 254.000 | (0114) | 15.240 |
| | Sundries | 1 time | 0.390 | 1.800 | (9999) | 0.702 |
| | Total | | | | | 21.342 |
| | Ada tor water cnarges @ 1% | | | | | 0.21342 |
| | Total | | | | | 21.55542 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 3.03 |
| | Total | | | | | 24.58 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 3.69 |
| | Cost of 100 kg | | | | | 28.27 |
| | Cost of 1 kg | | | | | 0.28 |
| | Add labour cess @ 1% | | | | | 0.00 |
| | Rate including labour cess | | | | | 0.28 |
| | | | **Say** | **Rs.0.30** | **per kg** | |
| **15.21** | **Extra for dismantling trusses, rafters, purlins eetc. Of steel work for every additional height of one metre or part there of beyond 5 metres Details of cost per quintal / metre** | | | | | |
| | Labour: | | | | | |
| | Bandhani | per day | 0.020 | 270.000 | (0100) | 5.400 |
| | Beldar | per day | 0.060 | 254.000 | (0114) | 15.240 |
| | Sundries | 1 time | 0.390 | 1.800 | (9999) | 0.702 |
| | Total | | | | | 21.342 |
| | Ada tor water cnarges @ 1% | | | | | 0.21342 |
| | Total | | | | | 21.55542 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 3.03 |
| | Total | | | | | 24.58 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 3.69 |
| | Cost of 100 kg | | | | | 28.27 |
| | Cost of 1 kg | | | | | 0.28 |
| | Add labour cess @ 1% | | | | | 0.00 |
| | Rate including labour cess | | | | | 0.28 |
| | | | **Say** | **Rs.0.30** | **per kg** | |
| **15.22** | **Extra for marking of structural steel work required to be re-erected.** | | | | | |
| | Details of cost fper.quinta! | | | | | |
| | Labour: | | | | | |
| | Mistry | per day | 0.200 | 254.000 | (0130) | 50.8 |
| | Beldar | per day | 0.200 | 254.000 | (0114) | 50.8 |
| | Total | | | | | 101.600 |
| | Ada tor water cnarges @ 1% | | | | | 1.016 |
| | Total | | | | | 102.616 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 14.42 |
| | Total | | | | | 117.03 (Y) |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 17.56 |
| | Cost of 100 kg | | | | | 134.589 |
| | Cost of 1 kg | | | | | 1.35 |
| | Add labour cess @ 1% | | | | | 0.01 |
| | Rate including labour cess | | | | | 1.36 |
| | | | **Say** | **Rs.1.40** | **per kg** | |
| **15.23** | **Dismantling tile work in floorss and roofs laindin cement mortar including stacking material within 50 metres lead.** | | | | | |
| **15.23.1** | **For thickness of tiles 10 mm to 25 mm** | | | | | |
| | Details of cost for 10 sqm | | | | | |
| | **Labour:** Mason 2nd class | per day | 0.300 | 305.000 | (0124) | 91.500 |
| | Beldar | per day | 0.120 | 254.000 | (0114) | 30.480 |
| | Coolie | per day | 0.240 | 265.000 | (0115) | 63.600 |
| | Sundries . | 1 time | 2.730 | 1.800 | (9999) | 4.914 |
| | Total | | | | | 190.494 |
| | Ada tor water cnarges @ 1% | | | | | 1.90494 |
| | Total | | | | | 192.39894 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 27.03 |
| | Total | | | | | 219.43 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 32.91 |
| | Cost of 10 sqm | | | | | 252.346 |
| | Cost of 1 sqm | | | | | 25.235 |
| | Add labour cess @ 1% | | | | | 0.25 |
| | Rate including labour cess | | | | | 25.48 |
| | | | **Say** | **Rs.25.50** | **Per sqm** | |
| **15.23.2** | **For thickness of tiles above 25 mm and upto 40 mm** | | | | | |
| | Details of cost for 10 sqm | | | | | |
| | Labour: | | | | | |
| | Mason 2nd class | per day | 0.590 | 305.000 | (0124) | 179.950 |
| | Beldar | per day | 0.180 | 254.000 | (0114) | 45.720 |
| | Coolie | per day | 0.240 | 265.000 | (0115) | 63.600 |
| | Sundries | 1 time | 2.730 | 1.800 | (9999) | 4.914 |
| | Total | | | | | 294.184 |
| | Ada tor water cnarges @ 1% | | | | | 2.94184 |
| | Total | | | | | 297.12584 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 41.75 |
| | Total | | | | | 338.87 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 50.83 |
| | Cost of 10 sqm | | | | | 389.703 |
| | Cost of 1 sqm | | | | | 38.970 |
| | Add labour cess @ 1% | | | | | 0.39 |
| | Rate including labour cess | | | | | 39.36 |
| | | | **Say** | **Rs.39.40** | **Per sqm** | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| 15.24 | **Demolishing dry brick pitching in floors, drains etc. including stacking serviceable material and disposal of unserviceable material within 50 metres lead.** | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | **Labour:** | | | | | | |
| | Beldar | per day | 0.250 | 254.000 | (0114) | 63.500 | |
| | Coolie | per day | 1.000 | 265.000 | (0115) | 265.000 | |
| | Sundries | 1 time | 2.730 | 1.800 | (9999) | 4.914 | |
| | Total | | | | | 333.414 | |
| | Ada tor water cnarges @ 1% | | | | | 3.33414 | |
| | Total | | | | | 336.74814 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 47.31 | |
| | Total | | | | | 384.06 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 57.61 | |
| | Cost of 1 cum | | | | | 441.67 | |
| | Add labour cess @ 1% | | | | | 4.42 | |
| | Rate including labour cess | | | | | 446.09 | |
| | | | **Say** | **Rs.446.10** | **Per sqm** | | |
| 15.25 | **Dismantling stone stab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.** | | | | | | |
| | **Details of cost for 10 sqm** | | | | | | |
| | **Labour:** | | | | | | |
| | Beidar | per day | 1.770 | 254.000 | (0114) | 449.580 | |
| | Coolie | per day | 0.750 | 265.000 | (0115) | 198.750 | |
| | Sundries | 1 time | 8.060 | 1.800 | (9999) | 14.508 | |
| | Total | | | | | 662.838 | |
| | Ada tor water cnarges @ 1% | | | | | 6.62838 | |
| | Total | | | | | 669.46638 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 94.06 | |
| | Total | | | | | 763.53 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 114.53 | |
| | Cost of 10 sqm | | | | | 878.06 | |
| | Cost of 1 sqm | | | | | 87.81 | |
| | Add labour cess @ 1% | | | | | 0.88 | |
| | Rate including labour cess | | | | | 88.69 | |
| | | | **Say** | **Rs.88.70** | **Per sqm** | | |
| 15.26 | **Demolishing brick tile covering in terracing including stacking of serviceable material and disposal of unserviceable material within 50 metres lead. "** | | | | | | |
| | Details of cost for 10.00 sqm | | | | | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Labour: | | | | | | |
| | Mason 2nd class | per day | 0.540 | 305.000 | (0124) | 164.700 | |
| | Beidar | per day | 0.160 | 254.000 | (0114) | 40.640 | |
| | Coolie | per day | 0.240 | 265.000 | (0115) | 63.600 | |
| | Sundries | 1 time | 2.470 | 1.800 | (9999) | 4.446 | |
| | Total | | | | | 273.386 | |
| | Ada tor water cnarges @ 1% | | | | | 2.73386 | |
| | Total | | | | | 276.11986 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 38.79 | |
| | Total | | | | | 314.91 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 47.24 | |
| | Cost of 10 sqm | | | | | 362.152 | |
| | Cost of 1 sqm | | | | | 36.215 | |
| | Add labour cess @ 1% | | | | | 0.36 | |
| | Rate including labour cess | | | | | 36.58 | |
| | | | **Say** | **Rs.36.60** | **Per sqm** | | |
| **15.27** | **Demolishing mud phaska in terracing and disposal of material within 50 metres lead** | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | Labour: | | | | | | |
| | Beidar | per day | 0.250 | 254.000 | (0114) | 63.500 | |
| | Coolie | per day | 0.620 | 265.000 | (0115) | 164.300 | |
| | Sundries | 1 time | 1.040 | 1.800 | (9999) | 1.872 | |
| | Total | | | | | 229.672 | |
| | Ada tor water cnarges @ 1% | | | | | 2.29672 | |
| | Total | | | | | 231.96872 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 32.59 | |
| | Total | | | | | 264.56 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 39.68 | |
| | Cost of 1 cum | | | | | 304.24 | |
| | Add labour cess @ 1% | | | | | 3.04 | |
| | Rate including labour cess | | | | | 307.28 | |
| | | | **Say** | **Rs.307.30** | **Per cum** | | |
| **15.28** | **Dismantling roofing including ridges, hips valleys and gutters etc. and stacking the material within 50 metres lead of:** | | | | | | |
| **15.28.1** | **G.S. Sheet** | | | | | | |
| | Details of cost for 10 sqm | | | | | | |
| | Labour: | | | | | | |
| | Carpenter 2nd class | per day | 0.500 | 305.000 | (0112) | 152.500 | |
| | Beidar | per day | 1.000 | 254.000 | (0114) | 254.000 | |
| | Sundries | 1 time | 6.760 | 1.800 | (9999) | 12.168 | |
| | Total | | | | | 418.668 | |
| | Ada tor water cnarges @ 1% | | | | | 4.18668 | |
| | Total | | | | | 422.85468 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 59.41 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Total | | | | | 482.27 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 72.34 | |
| | Cost of 10 sqm | | | | | 554.61 | |
| | Cost of 1 sqm | | | | | 55.461 | |
| | Add labour cess @ 1% | | | | | 0.55 | |
| | Rate including labour cess | | | | | 56.01 | |
| | | | **Say** | **Rs.56.00** | **Per sqm** | | |
| 15.28.2 | Asbestos sheet | | | | | | |
| | Details of cost for 10 sqrrt | | | | | | |
| | **Labour:** | | | | | | |
| | Carpenter 2nd class | per day | 0.200 | 305.000 | (0112) | 61.000 | |
| | Beldar | per day | 0.500 | 254.000 | (0114) | 127.000 | |
| | Sundries | 1 time | 5.330 | 1.800 | (9999) | 9.594 | |
| | Total | | | | | 197.594 | |
| | Ada tor water cnarges @ 1% | | | | | 1.97594 | |
| | Total | | | | | 199.56994 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 28.04 | |
| | Total | | | | | 227.61 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 34.14 | |
| | Cost of 10-sqm | | | | | 261.75 | |
| | Cost of 1 sqm | | | | | 26.175 | |
| | Add labour cess @ 1% | | | | | 0.26 | |
| | Rate including labour cess | | | | | 26.44 | |
| | | | **Say** | **Rs.26.40** | **Per sqm** | | |
| **15.29** | **Dismantling stone slab roofing over wooden karries or R.C.C battens (dismantling karries and battens to be paid for separately) including stacking of serviceable material and disposal of unserviceable material within 50 metres lead:** | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | Labour: | | | | | | |
| | Beldar - | per day | 1.770 | 254.000 | (0114) | 449.580 | |
| | Coolie | per day | 0.750 | 265.000 | (0115) | 198.750 | |
| | Sundries | 1 time | 8.060 | 1.800 | (9999) | 14.508 | |
| | Total | | | | | 662.838 | |
| | Ada tor water cnarges @ 1% | | | | | 6.62838 | |
| | Total | | | | | 669.46638 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 94.06 | |
| | Total | | | | | 763.53 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 114.53 | |
| | Cost of 1 cum | | | | | 878.06 | |
| | Add labour cess @ 1% | | | | | 8.78 | |
| | Rate including labour cess | | | | | 886.84 | |
| | | | **Say** | **Rs.886.80** | **Per cum** | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| **15.30** | **Dismantling jack arch roofing and floors including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.** | | | | | | |
| | Details of cost for 10 sqm | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 1.190 | 254.000 | (0114) | 302.260 | |
| | Coolie | per day | 1.210 | 265.000 | (0115) | 320.650 | |
| | Sundries | 1 time | 8.060 | 1.800 | (9999) | 14.508 | |
| | Total | | | | | 637.418 | |
| | Ada tor water cnarges @ 1% | | | | | 6.37418 | |
| | Total | | | | | 643.79218 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 90.45 | |
| | Total | | | | | 734.24 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 110.14 | |
| | Cost of 10 sqm | | | | | 844.38 | |
| | Cost of 1 sqm | | | | | 84.438 | |
| | Add labour cess @ 1% | | | | | 0.84 | |
| | Rate including labour cess | | | | | 85.28 | |
| | | | **Say** | **Rs.85.30** | **Per sqm** | | |
| **15.31** | **Dismantling tiled roofing with battens boarding etc. complete includding stacking of serviceable material and disposal of unserviceable material within 50 metres lead.** | | | | | | |
| | Details of cost for TO sqm | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 1.730 | 254.000 | (0114) | 439.420 | |
| | Coolie | per day | 0.250 | 265.000 | (0115) | 66.250 | |
| | Sundries | 1 time | 8.060 | 1.800 | (9999) | 14.508 | |
| | Total | | | | | 520.178 | |
| | Ada tor water cnarges @ 1% | | | | | 5.20178 | |
| | Total | | | | | 525.37978 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 73.82 | |
| | Total | | | | | 599.20 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 89.88 | |
| | Cost of 10 sqm | | | | | 689.07 | |
| | Cost of 1 sqm | | | | | 68.907 | |
| | Add labour cess @ 1% | | | | | 0.69 | |
| | Rate including labour cess | | | | | 69.60 | |
| | | | **Say** | **Rs.69.60** | **Per sqm** | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| **15.32** | **Demolishing thatch roofing including mats.bamboojaffari etc, complete including stacking of servicable material and disposal of unserviceable material within 50 metres lead Details of cost for 10 sqm** | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 0.540 | 254.000 | (0114) | 137.16 | |
| | Sundries | 1 time | 3.640 | 1.800 | (9999) | 6.552 | |
| | Total | | | | | 143.712 | |
| | Ada tor water cnarges @ 1% | | | | | 1.43712 | |
| | Total | | | | | 145.14912 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 20.39 | |
| | Total | | | | | 165.54 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 24.83 | |
| | Cost of 10 sqm | | | | | 190.374 | |
| | Cost of 1 sqm | | | | | 19.04 | |
| | Add labour cess @ 1% | | | | | 0.19 | |
| | Rate including labour cess | | | | | 19.23 | |
| | | | **Say** | **Rs.19.20** | **Per sqm** | | |
| **15.33** | **Dismanting wooden bailies in posts and struts including stacking within 50 metres lead Details of cost for 10 sqm** | | | | | | |
| | **Labour:** | | | | | | |
| | Beldar | per day | 0.500 | 254.000 | (0114) | 127.000 | |
| | Coolie | per day | 0.500 | 265.000 | (0115) | 132.500 | |
| | Sundries | 1 time | 0.520 | 1.800 | (9999) | 0.936 | |
| | Total | | | | | 260.436 | |
| | Ada tor water cnarges @ 1% | | | | | 2.60436 | |
| | Total | | | | | 263.04036 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 36.96 | |
| | Total | | | | | 300.00 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 45.00 | |
| | Cost of 50 m | | | | | 345.00 | |
| | Cost of 1 m | | | | | 6.900 | |
| | Add labour cess @ 1% | | | | | 0.07 | |
| | Rate including labour cess | | | | | 6.97 | |
| | | | **Say** | **Rs.7.00** | **Per sqm** | | |
| **15.34** | **Dismanting and stacking 50 metres lead.fencing posts or struts including al! earth work and dismantling of concrete etc. in base of:** | | | | | | |
| **15.34.1** | **T' or 'L' iron or pipe Details of cost for 1 each** | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 0.107 | 254.000 | (0114) | 27.178 | |
| | Coolie | per day | 0.067 | 265.000 | (0115) | 17.755 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Excavation , transporting and stacking the posts to | | | | | | |
| | the required place within 50 metres lead, refilling | | | | | | |
| | the pit and dressing the same | 1 time | 0.260 | 1.800 | (9999) | 0.468 | |
| | Extra for lifting of R.C.C. posts being heavier than | | | | | | |
| | L iron and cleaning the posts of stacking concrete | 1 time | 13.390 | 1.800 | (9999) | 24.102 | |
| | Sundries | 1 time | 1.430 | 1.800 | (9999) | 2.574 | |
| | Total | | | | | 72.077 | |
| | Ada tor water cnarges @ 1% | | | | | 0.72077 | |
| | Total | | | | | 72.79777 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 10.23 | |
| | Total | | | | | 83.03 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 12.45 | |
| | Cost of 1 each | | | | | 95.480 | |
| | Add labour cess @ 1% | | | | | 0.95 | |
| | Rate including labour cess | | | | | 96.43 | |
| | | | **Say** | **Rs.96.40** | **Each** | | |
| **15.34.2** | **R.C. C.** | | | | | | |
| | Details of cost for 1 each | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 0.097 | 254.000 | (0114) | 24.638 | |
| | Coolie | per day | 0.060 | 265.000 | (0115) | 15.900 | |
| | Sundres | 1 time | 0.260 | 1.800 | (9999) | 0.468 | |
| | Excavation , transporting and stacking the posts to | | | | | | |
| | the requied place within metres lead, refilling the | | | | | | |
| | pit and dresing the same | 1 time | 13.390 | 1.800 | (9999) | 24.102 | |
| | Extra for lifting or R.C.C. posts being heavier than | | | | | | |
| | L iron and cleaning the posts of stacking concrete | 1 time | 8.060 | 1.800 | (9999) | 14.508 | |
| | Sundries | 1 time | 2.730 | 1.800 | (9999) | 4.914 | |
| | Total | | | | | 84.530 | |
| | Ada tor water cnarges @ 1% | | | | | 0.8453 | |
| | Total | | | | | 85.3753 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 12.00 | |
| | Total | | | | | 97.37 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 14.61 | |
| | Cost of 1 each | | | | | 111.976 | |
| | Add labour cess @ 1% | | | | | 1.12 | |
| | Rate including labour cess | | | | | 113.10 | |
| | | | **Say** | **Rs.113.10** | **Each** | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| **15.35** | **Cutting bailies or wooden posts of fencing at the point of projection above the concrete or ground and stacking the same within 50 metres lead. Details of cost for 1 bailie (post)** | | | | | |
| | Cutting | 1 time | 2.730 | 1.800 | (9999) | 4.914 |
| | Transporting and stacking | 1 time | 1.430 | 1.800 | (9999) | 2.574 |
| | Total | | | | | 7.488 |
| | Ada tor water cnarges @ 1% | | | | | 0.07488 |
| | Total | | | | | 7.56288 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 1.06 |
| | Total | | | | | 8.63 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 1.29 |
| | Cost of 1 each | | | | | 9.919 |
| | Add labour cess @ 1% | | | | | 0.10 |
| | Rate including labour cess | | | | | 10.02 |
| | | | **Say** | **Rs.10.00** | **Each** | |
| **15.36** | **Dismantling barbed wire or flexible rope in fencing including making rolls and stacking within 50 metres lead.** **Details of cost for pne quintal** | | | | | |
| | Labour: | | | | | |
| | Beldar | per day | 3.500 | 254.000 | (0114) | 889 |
| | Sundries | 1 time | 5.330 | 1.800 | (9999) | 9.594 |
| | Total | | | | | 898.594 |
| | Ada tor water cnarges @ 1% | | | | | 8.98594 |
| | Total | | | | | 907.57994 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 127.51 |
| | Total | | | | | 1035.09 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 155.26 |
| | Cost of 100 kg | | | | | 1190.359 |
| | Cost of 1 kg | | | | | 11.90 |
| | Add labour cess @ 1% | | | | | 0.12 |
| | Rate including labour cess | | | | | 12.02 |
| | | | **Say** | **Rs.12.00** | per kg | |
| **15.37** | **Dismanting wooden trellis work excluding frames but including stacking the serviceable material within 50 metres lead.** | | | | | |
| | Details of cost for 10 sqm | | | | | |
| | Labour: | | | | | |
| | Mason 2nd class | per day | 0.100 | 305.000 | (0124) | 30.500 |
| | Beldar | per day | 0.250 | 254.000 | (0114) | 63.500 |
| | Coolie | per day | 0.250 | 265.000 | (0115) | 66.250 |
| | Sundries | 1 time | 2.730 | 1.800 | (9999) | 4.914 |
| | Total | | | | | 165.164 |
| | Ada tor water cnarges @ 1% | | | | | 1.65164 |
| | Total | | | | | 166.81564 (X) |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 23.44 | |
| | Total | | | | | 190.25 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 28.54 | |
| | Cost of 10sqm | | | | | 218.791 | |
| | Cost of 1 sqm | | | | | 21.879 | |
| | Add labour cess @ 1% | | | | | 0.22 | |
| | Rate including labour cess | | | | | 22.10 | |
| | | | **Say** | **Rs.22.10** | **Per sqm** | | |
| **15.38** | **Dismantling expanded metal or I.R.C. fabrics with necessary battens and beading induding stacking the serviceable material within 50 metres lead. Details of cost for"10 sqm** | | | | | | |
| | Labour: | | | | | | |
| | Carpenter 2nd class | per day | 0.100 | 305.000 | (0112) | 30.500 | |
| | Beldar | per day | 0.400 | 254.000 | (0114) | 101.600 | |
| | Coolie | per day | 0.200 | 265.000 | (0115) | 53.000 | |
| | Sundries | 1 time | 4.160 | 1.800 | (9999) | 7.488 | |
| | Total | | | | | 192.588 | |
| | Ada tor water cnarges @ 1% | | | | | 1.92588 | |
| | Total | | | | | 194.51388 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 27.33 | |
| | Total | | | | | 221.84 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 33.28 | |
| | Cost of 10 sqm | | | | | 255.120 | |
| | Cost of 1 sqm | | | | | 25.512 | |
| | Add labour cess @ 1% | | | | | 0.26 | |
| | Rate including labour cess | | | | | 25.77 | |
| | | | **Say** | **Rs.25.80** | **Per sqm** | | |
| **15.39** | **Dismantling wooden boardings in lining of walls and partitions, excluding supporting members but induding stacking within 50 metres lead.** | | | | | | |
| **15.39.1** | **Upto 10 mm thick** | | | | | | |
| | Details of cost for 10 sqm | | | | | | |
| | Labour: | | | | | | |
| | Carpenter 2nd dass | per day | 0.150 | 305.000 | (0112) | 45.750 | |
| | Beldar | per day | 0.200 | 254.000 | (0114) | 50.800 | |
| | Coolie | per day | 0.200 | 265.000 | (0115) | 53.000 | |
| | Sundres | 1 time | 5.330 | 1.800 | (9999) | 9.594 | |
| | Total | | | | | 159.144 | |
| | Ada tor water cnarges @ 1% | | | | | 1.59144 | |
| | Total | | | | | 160.73544 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 22.58 | |
| | Total | | | | | 183.32 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 27.50 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Cost of 10 sqm | | | | | 210.817 | |
| | Cost of 1 sqm | | | | | 21.082 | |
| | Add labour cess @ 1% | | | | | 0.21 | |
| | Rate including labour cess | | | | | 21.29 | |
| | | | **Say** | **Rs.21.30** | **Per sqm** | | |
| **15.39.2** | **Thickness above 10 mm upto 25 mm Details of cost for 10 sqm** | | | | | | |
| | Labour: | | | | | | |
| | carpenter 2nd class | per day | 0.200 | 305.000 | (0112) | 61.000 | |
| | Beldar | per day | 0.250 | 254.000 | (0114) | 63.500 | |
| | Coolie | per day | 0.250 | 265.000 | (0115) | 66.250 | |
| | Sundries | 1 time | 6.760 | 1.800 | (9999) | 12.168 | |
| | Total | | | | | 202.918 | |
| | Ada tor water cnarges @ 1% | | | | | 2.02918 | |
| | Total | | | | | 204.94718 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 28.80 | |
| | Total | | | | | 233.74 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 35.06 | |
| | Cost of 10sqrh | | | | | 268.804 | |
| | Cost of 1 sqm | | | | | 26.880 | |
| | Add labour cess @ 1% | | | | | 0.27 | |
| | Rate including labour cess | | | | | 27.15 | |
| | | | **Say** | **Rs.27.20** | **Per sqm** | | |
| **15.39.3** | **Thickness above 25 mm upto 40 mm** | | | | | | |
| | Details of cost for 10 sqm | | | | | | |
| | Carpenter 2nd class | per day | 0.200 | 305.000 | (0112) | 61.000 | |
| | Beldar | per day | 0.300 | 254.000 | (0114) | 76.200 | |
| | Coolie | per day | 0.300 | 265.000 | (0115) | 79.500 | |
| | Sundries | 1 time | 13.390 | 1.800 | (9999) | 24.102 | |
| | Total | | | | | 240.802 | |
| | Ada tor water cnarges @ 1% | | | | | 2.40802 | |
| | Total | | | | | 243.21002 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 34.17 | |
| | Total | | | | | 277.38 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 41.61 | |
| | Cost of 10 sqm | | | | | 318.988 | |
| | Cost of 1 sqm | | | | | 31.899 | |
| | Add labour cess @ 1% | | | | | 0.32 | |
| | Rate including labour cess | | | | | 32.22 | |
| | | | **Say** | **Rs.32.20** | **Per sqm** | | |
| **15.40** | **Dismanting precast concrete or stone slabs in walls , partition walls etc. including stacking within 50 metres lead.-** | | | | | | |
| **15.40.1** | **Thickness upto 40 mm** | | | | | | |
| | Details of cost for 10 sqm | | | | | | |
| | Labour: | | | | | | |
| | mason 2nd class | per day | 0.200 | 305.000 | (0124) | 61.000 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Beldar | per day | 2.000 | 254.000 | (0114) | 508.000 | |
| | Coolie | per day | 0.500 | 265.000 | (0115) | 132.500 | |
| | Sundries | 1 time | 13.390 | 1.800 | (9999) | 24.102 | |
| | Total | | | | | 725.602 | |
| | Ada tor water cnarges @ 1% | | | | | 7.25602 | |
| | Total | | | | | 732.85802 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 102.97 | |
| | Total | | | | | 835.82 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 125.37 | |
| | Cost of 10 sqm | | | | | 961.198 | |
| | Cost of 1 sqm | | | | | 96.120 | |
| | Add labour cess @ 1% | | | | | 0.96 | |
| | Rate including labour cess | | | | | 97.08 | |
| | | | **Say** | **Rs.97.10** | **Per sqm** | | |
| **15.40.2** | **Thickness above 40 mm upto 75 mm** | | | | | | |
| | Details of cost for 10 sqm | | | | | | |
| | Labour: | | | | | | |
| | mason 2nd class | per day | 0.300 | 305.000 | (0124) | 91.500 | |
| | Beldar . | per day | 3.000 | 254.000 | (0114) | 762.000 | |
| | Coolie | per day | 0.750 | 265.000 | (0115) | 198.750 | |
| | Sundries | 1 time | 18.850 | 1.800 | (9999) | 33.930 | |
| | Total | | | | | 1086.180 | |
| | Ada tor water cnarges @ 1% | | | | | 10.8618 | |
| | Total | | | | | 1097.0418 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 154.13 | |
| | Total | | | | | 1251.18 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 187.68 | |
| | Cost of 10 sqm | | | | | 1438.853 | |
| | Cost of 1 sqm | | | | | 143.885 | |
| | Add labour cess @ 1% | | | | | 1.44 | |
| | Rate including labour cess | | | | | 145.33 | |
| | | | **Say** | **Rs.145.30** | **Per sqm** | | |
| **15.41** | **Dismanting cement asbostors, Celotax or other hard board celling or partition walls including stacking of serviceable materials and disposal of unseviceabale materials within 50 metres lead. Details of cost for 10 sqm** | | | | | | |
| | Carpenter 2nddass | per day | 0.2 | 305.000 | (0112) | 61.000 | |
| | Beldar | per day | 0.3 | 254.000 | (0114) | 76.200 | |
| | Sundries | 1 time | 5.33 | 1.800 | (9999) | 9.594 | |
| | Total | | | | | 146.794 | |
| | Ada tor water cnarges @ 1% | | | | | 1.46794 | |
| | Total | | | | | 148.26194 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 20.83 | |
| | Total | | | | | 169.09 | (Y) |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 25.36 |
| | Cost of 10 sqm | | | | | 194.46 |
| | Cost of 1 sqm | | | | | 19.446 |
| | Add labour cess @ 1% | | | | | 0.19 |
| | Rate including labour cess | | | | | 19.64 |
| | | | **Say** | **Rs.19.60** | **Per sqm** | |
| **15.42** | **Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead.** | | | | | |
| **15.42.1** | **75 to 80 mm dia pipe .** | | | | | |
| - | Details of cost for 10 metres | | | | | |
| | Labour: | | | | | |
| | Beldar | per day | 0.36 | 254.000 | (0114) | 91.440 |
| | Coolie | per day | 0.36 | 265.000 | (0115) | 95.400 |
| | Sundries | 1 time | 0.91 | 1.800 | (9999) | 1.638 |
| | Total | | | | | 188.478 |
| | Ada tor water cnarges @ 1% | | | | | 1.88478 |
| | Total | | | | | 190.36278 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 26.75 |
| | Total | | | | | 217.11 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 32.57 |
| | Cost of 10 m | | | | | 249.68 |
| | Cost of 1 m | | | | | 24.968 |
| | Add labour cess @ 1% | | | | | 0.25 |
| | Rate including labour cess | | | | | 25.22 |
| | | | **Say** | **Rs.25.20** | **per metre** | |
| **15.42.2** | **100 mm dia pipe** | | | | | |
| | Details of cost for 10 metres | | | | | |
| | **Labour:** | | | | | |
| | Beldar | per day | 0.36 | 254.000 | (0114) | 91.440 |
| | Coolie | per day | 0.38 | 265.000 | (0115) | 100.700 |
| | Sundries | 1 time | 1.56 | 1.800 | (9999) | 2.808 |
| | Total | | | | | 194.948 |
| | Ada tor water cnarges @ 1% | | | | | 1.95 |
| | Total | | | | | 196.90 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 27.66 |
| | Total | | | | | 224.56 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 33.68 |
| | Cost of 10 m | | | | | 258.25 |
| | Cost of 1 m | | | | | 25.825 |
| | Add labour cess @ 1% | | | | | 0.26 |
| | Rate including labour cess | | | | | 26.08 |
| | | | **Say** | **Rs.26.10** | **per metre** | |
| **15.42.3** | **150 mm dia pipe** | | | | | |
| | Details of cost for 10 metres | | | | | |
| | Labour: | | | | | |
| | Beldar | per day | 0.36 | 254.000 | (0114) | 91.440 |
| | Coolie | per day | 0.4 | 265.000 | (0115) | 106.000 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Sundries | 1 time | 2.08 | 1.800 | (9999) | 3.744 | |
| | Total | | | | | 201.184 | |
| | Ada tor water cnarges @ 1% | | | | | 2.01184 | |
| | Total | | | | | 203.19584 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 28.55 | |
| | Total | | | | | 231.74 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 34.76 | |
| | Cost of 10 m | | | | | 266.51 | |
| | Cost of 1 m | | | | | 26.651 | |
| | Add labour cess @ 1% | | | | | 0.27 | |
| | Rate including labour cess | | | | | 26.92 | |
| | | | **Say** | **Rs.26.90** | **per metre** | | |
| **15.43** | **Dismanting including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.** | | | | | | |
| **15.43.1** | **Water bound macadam road Details a road 6 metres wide and metres length wise 25 cm average depth =9.00 cubic metre** | | | | | | |
| | **Labour:** | | | | | | |
| | For cutting road taking out soling and metalling | | | | | | |
| | including sorting and screening | | | | | | |
| | Beldar | per day | 4.800 | 254.000 | (0114) | 1219.200 | |
| | Coolie | per day | 2.400 | 265.000 | (0115) | 636.000 | |
| | Labour for slacking of serviceable material and disposal of unserviceable material within 50 | | | | | | |
| | matreslead . | 1 time | 89.700 | 1.800 | (9999) | 161.460 | |
| | Total | | | | | 2016.660 | |
| | Ada tor water cnarges @ 1% | | | | | 20.1666 | |
| | Total | | | | | 2036.8266 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 286.17 | |
| | Total | | | | | 2323.00 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 348.45 | |
| | Cost of 36 sam | | | | | 2671.451 | |
| | Cost of 1 sqm | | | | | 74.207 | |
| | Add labour cess @ 1% | | | | | 0.74 | |
| | Rate including labour cess | | | | | 74.95 | |
| | | | **Say** | **Rs.74.90** | **Per sqm** | | |
| **15.43.2** | **Bituminous road Details of cost for 36 sqm Consider a road 6 metres wide and 6 metres length wise 25 cm average depth = 9.00 cubic metre** | | | | | | |
| | **Labour:** | | | | | | |
| | For cutting road taking out soling and metalling including sorting and screening | | | | | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Beldar | per day | 9.600 | 254.000 | (0114) | 2438.400 | |
| | Coolie | per day | 4.800 | 265.000 | (0115) | 1272.000 | |
| | Labour for stacking of serviceable material and disposal of unserviceable meterial within 50 metreslead. | 1 time | 107.640 | 1.800 | (9999) | 193.752 | |
| | Total | | | | | 3904.152 | |
| | Ada tor water cnarges @ 1% | | | | | 39.04152 | |
| | Total | | | | | 3943.1935 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 554.02 | |
| | Total | | | | | 4497.21 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 674.58 | |
| | Cost of 36 sqm | | | | | 5171.794 | |
| | Cost of 1 sqm | | | | | 143.661 | |
| | Add labour cess @ 1% | | | | | 1.44 | |
| | Rate including labour cess | | | | | 145.10 | |
| | | | **Say** | **Rs.145.10** | **Per sqm** | | |
| **15.45** | **Dismantling G.I. pipes including excavation and refilling trenches after taking out the pipes , breaking lead caulked joints, melting of lead and making into blocks incluiding stacking of pipes , lead at site within 50 metres lead.** | | | | | | |
| **15.45.1** | **Upto 150 mm diameter Details of cost for 40.25 mor 1 1 Nos. joints . Earth work in excavation for dismantling pipes including refilling of excavated earth** | | | | | | |
| | 1x40.26x0.55x0.75 m = 16.6 cum | | | | | | |
| | Deduct for pipes of average 100 mm dia = 40.26x (22/7)/4x(0.018)x(0.018) =0.44 cum =16.17 cum | | | | | | |
| | Beldar | per day | 3.230 | 254.000 | (0114) | 820.420 | |
| | Coolie | per day | 2.700 | 265.000 | (0115) | 715.500 | |
| | Beldar | per day | 1.440 | 254.000 | (0114) | 365.760 | |
| | Coolie | per day | 2.100 | 265.000 | (0115) | 556.500 | |
| | Bhishti | per day | 0.270 | 277.000 | (0101) | 74.790 | |
| | Fuel wood | quintal | 0.460 | 465.362 | (0761) | 214.066 | |
| | Kerosine oil | litre | 0.380 | 41.883 | (0771) | 15.915 | |
| | Assistant fitter or 2nd class fitter | per day | 0.630 | 305.000 | (0117) | 192.150 | |
| | Beldar | per day | 4.500 | 254.000 | (0114) | 1143.000 | |
| | Carriage and sundries | 1 time | 53.820 | 1.800 | (9999) | 96.876 | |
| | Total | | | | | 4194.978 | |
| | Ada tor water cnarges @ 1% | | | | | 41.949778 | |
| | Total | | | | | 4236.9275 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 595.29 | |
| | Total | | | | | 4832.22 | (Y) |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 724.83 | |
| | Cost of 40.26 m | | | | | 5557.048 | |
| | Cost of 1 m | | | | | 138.029 | |
| | Add labour cess @ 1% | | | | | 1.38 | |
| | Rate including labour cess | | | | | 139.41 | |
| | | | **Say** | **Rs.139.40** | **per metre** | | |
| **15.45.2** | **Above 150 mm dia upto 300 mm dia Details of cost for 40.26 mor 11 Nos. joints. Earth work in excavation for dismantling pipes including refilling of excavated earth** | | | | | | |
| | 1x40.26x0.65x0.75 m = 19.63 cum | | | | | | |
| | Deduct for pipes of average 250 mm dia = 1x40.26x(22/7)/4x(0.274)x(0.274) = 2.37 cum , = | | | | | | |
| | 17.26 cum | | | | | | |
| | Beldar | per day | 3.450 | 254.000 | (0114) | 876.300 | |
| | Coolie | perday | 2.880 | 265.000 | (0115) | 763.200 | |
| | Bedar | per day | 1.540 | 265.000 | (0114) | 408.100 | |
| | Coolie | per day | 2.240 | 265.000 | (0115) | 593.600 | |
| | Bhishti | per day | 0.290 | 277.000 | (0101) | 80.330 | |
| | Fuel wood | quintal | 1.030 | 465.362 | (0761) | 479.323 | |
| | Kerosine oil | litre | 1.140 | 41.883 | (0771) | 47.746 | |
| | Assistant fitter or 2nd class fitter | per day | 1.300 | 305.000 | (0117) | 396.500 | |
| | Beldar | per day | 7.500 | 254.000 | (0114) | 1905.000 | |
| | Carriage and sundries | 1 time | 80.730 | 1.800 | (9999) | 145.314 | |
| | Total | | | | | 5695.413 | |
| | Ada tor water cnarges @ 1% | | | | | 56.954127 | |
| | Total | | | | | 5752.3668 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 808.21 | |
| | Total | | | | | 6560.57 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 984.09 | |
| | Cost of 40.26 m | | | | | 7544.660 | |
| | Cost of 1 m | | | | | 187.398 | |
| | Add labour cess @ 1% | | | | | 1.87 | |
| | Rate including labour cess | | | | | 189.27 | |
| | | | **Say** | **Rs.189.30** | **per metre** | | |
| **15.45.3** | **Above 300 mm diametre Details of cost for 40.26 mor 11 Nos. joints. Earth work in excavation fordismanting pipes including refilling of excavated earth** | | | | | | |
| | 1x40.26x0.85x0.75 m = 25.67 cum | | | | | | |
| | Deduct for pipes of average 450 mm dia = 1x40.26 x(22A7)/4x(0.48)x(0.48) =7.29 cum , = 18.38 cum | | | | | | |
| | Beldar | per day | 3.680 | 254.000 | (0114) | 934.720 | |
| | Coolie | per day | 3.070 | 254.000 | (0115) | 779.780 | |
| | Bedar | per *day* | 1.640 | 265.000 | (0114) | 434.600 | |
| | Coolie | per day | 2.390 | 265.000 | (0115) | 633.350 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Bhishti | per day | 0.310 | 277.000 | (0101) | 85.870 | |
| | Fuel wood | quintal | 1.400 | 465.362 | (0761) | 651.506 | |
| | Kerosineoil | litre | 2.270 | 41.883 | (0771) | 95.073 | |
| | Assistant fitter or 2nd class fitter | per day | 2.250 | 305.000 | (0117) | 686.250 | |
| | Beldar | per day | 11.500 | 254.000 | (0114) | 2921.000 | |
| | Carriage and sundries | 1 time | 134.550 | 1.800 | (9999) | 242.190 | |
| | Total | | | | | 7464.340 | |
| | Ada tor water cnarges @ 1% | | | | | 74.643398 | |
| | Total | | | | | 7538.9832 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 1059.23 | |
| | Total | | | | | 8598.21 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 1289.73 | |
| | Cost jof 40.26 m | | | | | 9887.942 | |
| | Cost of 1 m | | | | | 245.602 | |
| | Add labour cess @ 1% | | | | | 2.46 | |
| | Rate including labour cess | | | | | 248.06 | |
| | | | **Say** | **Rs.248.10** | **per metre** | | |
| **15.46** | **Dismanting steel cylinder R.C. pipes including excavation and refilling trenches after laking out the pipes. Breaking lead caulked joints, melting of lead and making into blocks including stacking or pipes , lead at site within 50 metres lead.** | | | | | | |
| **15.46.1** | **Upto 600 mm diameter** | | | | | | |
| | Details of cost for 40.26 m or 11 Nos. joints . | | | | | | |
| | Earth work in excavation for dismanting pipes<br>including refilling of excavated earth<br>1x40.26x1.3x1.65 m = 86.36 cum<br>Deduct for pipes of average 450 mm dia =<br>1x40.26x(22/7)/4(1.00)x(1.00) mm =31.63 cum ,<br>54.73 cum . | | | | | | |
| | Beldar | per day | 3.680 | 254.000 | (0114) | 934.720 | |
| | Coolie | per day | 3.070 | 254.000 | (0115) | 779.780 | |
| | Bedar | per day | 1.640 | 254.000 | (0114) | 416.560 | |
| | Coolie | per day | 2.390 | 254.000 | (0115) | 607.060 | |
| | Bhishti | per day | 0.310 | 277.000 | (0101) | 85.870 | |
| | Fuel wood | quintal | 1.400 | 465.362 | (0761) | 651.506 | |
| | Kerosine oil | litre | 2.270 | 41.883 | (0771) | 95.073 | |
| | Assistant fitter or 2nd class fitter | per day | 2.250 | 305.000 | (0117) | 686.250 | |
| | Beldar | per day | 11.500 | 254.000 | (0114) | 2921.000 | |
| | Carriage and sundries | 1 time | 134.550 | 1.800 | (9999) | 242.190 | |
| | Total | | | | | 7420.010 | |
| | Ada tor water cnarges @ 1% | | | | | 74.200098 | |
| | Total | | | | | 7494.2099 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 1052.94 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Total | | | | | 8547.15 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 1282.07 | |
| | Cost of 40.26 m | | | | | 9829.218 | |
| | Cost of 1 m | | | | | 244.144 | |
| | Add labour cess @ 1% | | | | | 2.44 | |
| | Rate including labour cess | | | | | 246.58 | |
| | | | **Say** | **Rs.246.60** | **per metre** | | |
| **15.46.2** | **Above 600 mm diameter Details of cost for 40.26 m or 11 Nos. joints. Earth work in excavation for dismantling pipes including refilling of excavated earth** | | | | | | |
| | **1x40.26x1.3x1.65 m = 86.36 cm** | | | | | | |
| | Deduct for pipes of avarage 900 mm dia = 1x40.26x(22/7)(1.00)x(i.00)m -31.63 cum . 54.73 | | | | | | |
| | cum | | | | | | |
| | Beldar | per day | 10.950 | 254.000 | (0114) | 2781.300 | |
| | Coolie | per day | 9.140 | 254.000 | (0115) | 2321.560 | |
| | Bedar | per day | 4.870 | 254.000 | (01 14) | 1236.980 | |
| | Coolie | per day | 7.110 | 254.000 | (0115) | 1805.940 | |
| | Bhtshti | per day | 0.930 | 277.000 | (0101) | 257.610 | |
| | Fuel wood | quintal | 3.080 | 465.362 | (0761) | 1433.314 | |
| | Kerosine oil | litre | 5.000 | 41.883 | (0771) | 209.413 | |
| | Assistant fitter or 2nd dass fitter | per day | 10.000 | 305.000 | (0117) | 3050.000 | |
| | Beldar | per day | 20.000 | 254.000 | (0114) | 5080.000 | |
| | Carriage and sundries | 1 time | 179.400 | 1.800 | (9999) | 322.920 | |
| | Total | | | | | 18499.037 | |
| | Ada tor water cnarges @ 1% | | | | | 184.99037 | |
| | Total | | | | | 18684.027 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 2625.11 | |
| | Total | | | | | 21309.13 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 3196.37 | |
| | Cost of 40.26 m | | | | | 24505.503 | |
| | Cost of 1 m | | | | | 608.681 | |
| | Add labour cess @ 1% | | | | | 6.09 | |
| | Rate including labour cess | | | | | 614.77 | |
| | | | **Say** | **Rs.614.80** | **per metre** | | |
| **15.47** | **Dismantling asbestos cement pressure pipes including excavation and refilling trenches after laking out the pipes and stacking the pipes within 50 metres lead .** | | | | | | |
| **15.47.1** | **Upto 150 mm diameter** | | | | | | |
| | Details of cost for 10 m or 11 Nos joints . | | | | | | |
| | Earth work in excavation for dismantling pipes | | | | | | |
| | including refilling or excavated earth . 10.00 x 0.55 | | | | | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | x 0.75 m 4.125 cum | | | | | |
| | Deduct for pipes of average 100 mm dia = 1x10.00x(22/7)x(0.118)x(0.118) m = 0.109 cum , | | | | | |
| | 4.016 cum | | | | | |
| | Beldar | per day | 0.800 | 254.000 | (0114) | 203.200 |
| | Coolie | . per day | 0.670 | 254.000 | (0115) | 170.180 |
| | Bedar | per day | 0.360 | 254.000 | (0114) | 91.440 |
| | Coolie | per day | 0.520 | 254.000 | (0115) | 132.080 |
| | Bhishti | per day | 0.070 | 277.000 | (0101) | 19.390 |
| | Beldar | per day | 0.360 | 254.000 | (0114) | 91.440 |
| | Coolie | per day | 0.380 | 254.000 | (0115) | 96.520 |
| | Carriage and sundries | 1 time | 1.560 | 1.800 | (9999) | 2.808 |
| | Total | | | | | 807.058 |
| | Ada tor water cnarges @ 1% | | | | | 8.07058 |
| | Total | | | | | 815.12858 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 114.53 |
| | Total | | | | | 929.65 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 139.45 |
| | Cost of 10 m | | | | | 1069.102 |
| | Cost of 1 m | | | | | 106.910 |
| | Add labour cess @ 1% | | | | | 1.07 |
| | Rate including labour cess | | | | | 107.98 |
| | | | **Say** | **Rs.108.00** | **per metre** | |
| **15.47.2** | **Above 150 mm diameter** | | | | | |
| | Details of cost for 10 m or 11 Nos. joints. | | | | | |
| | Earth work in excavation/or dismantling pipes including refiling of excavated earth | | | | | |
| | 10.00x0.65x0.75 m = 4.88 cum | | | | | |
| | Deduct for pipes of average 250 mm dia = 1x10x (22/7)/x(0.274)x(0.274) = 0.590 cum = 4.29 cum | | | | | |
| | Beldar | per day | 0.860 | 254.000 | (01 14) | 218.440 |
| | Coolie | per day | 0.720 | 254.000 | (0115) | 182.880 |
| | Bedar | per day | 0.380 | 254.000 | (01 14) | 96.520 |
| | Coolie | per day | 0.560 | 254.000 | (0115) | 142.240 |
| | Bhishti | per day | 0.070 | 277.000 | (0101) | 19.390 |
| | Seldar | per day | 0.360 | 254.000 | (01 14) | 91.440 |
| | .Coolie | per day | 0.880 | 254.000 | (0115) | 223.520 |
| | Carriage and sundries | 1 time | 3.770 | 1.800 | (9999) | 6.786 |
| | Total | | | | | 981.216 |
| | Ada tor water cnarges @ 1% | | | | | 9.81216 |
| | Total | | | | | 991.02816 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 139.24 |
| | Total | | | | | 1130.27 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 169.54 |
| | Cost of 10 m | | | | | 1299.808 |
| | Cost of 1 m | | | | | 129.981 |
| | Add labour cess @ 1% | | | | | 1.30 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Rate including labour cess | | | | | 131.28 |
| | | | **Say** | **Rs.131.30** | **per metre** | |
| **15.48** | **Taking out C. I. cover with frame from R.C.C. top slab of manholes of various sizes including demolishing of R.C.C. work and stacking of useful materials near the site and disposal of unserviceable meterials into municipal dumps within 50 metres lead.** | | | | | |
| | Detials of cost for one man hole<br>Demolition of R.C.C. slab 1.3.x1.2x0.15 m = 0.234 cum<br>Less cover 0.61x0.455x0.15 m = 0.042 cum<br><br>0.192 cum | | | | | |
| | **Labour:** | | | | | |
| | Beldar | per day | 0.500 | 254.000 | (0114) | 127.000 |
| | Coolie | per day | 0.140 | 254.000 | (0115) | 35.560 |
| | Removal of C.I. cover with frame including stacking | 1 time | 1.300 | 1.800 | (9999) | 2.340 |
| | Sundries | 1 time | 7.150 | 1.800 | (9999) | 12.870 |
| | Total | | | | | 177.770 |
| | Ada tor water cnarges @ 1% | | | | | 1.7777 |
| | Total | | | | | 179.5477 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 25.23 |
| | Total | | | | | 204.77 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 30.72 |
| | Cost of 1 each | | | | | 235.490 |
| | Add labour cess @ 1% | | | | | 2.35 |
| | Rate including labour cess | | | | | 237.84 |
| | | | **Say** | **Rs.237.80** | **Each** | |
| **15.49** | **Taking out C.I. cover with frame from R.C.C. top slab of inspection chambers of various sizes including demolishing of R.C.C. work and stacking of useful materials near the site and disposal of unserviceable materials into municipal dumps within 50 metres** | | | | | |
| | Details of cost for one man hole<br>Demolition of R.C.C. slab 1.1x0.9x0.15 m = 0.148<br>cum<br>Lesscover0.61 x 0.455 x 0.15 m = 0.042 cum/<br>0.106 cum<br>say 0.11 cum | | | | | |
| | **Labour:** | | | | | |
| | Beldar | per day | 0.290 | 254.000 | (0114) | 73.660 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Coolie | per day | 0.080 | 254.000 | (0115) | 20.320 |
| | Removal of C.I. cover with frame including stacking . | 1 time | 0.650 | 1.800 | (9999) | 1.170 |
| | Sundirs | 1 time | 5.330 | 1.800 | (9999) | 9.594 |
| | Total | | | | | 104.744 |
| | Ada tor water cnarges @ 1% | | | | | 1.04744 |
| | Total | | | | | 105.79144 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 14.86 |
| | Total | | | | | 120.66 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 18.10 |
| | Cost of 1 each | | | | | 138.753 |
| | Add labour cess @ 1% | | | | | 1.39 |
| | Rate including labour cess | | | | | 140.14 |
| | | | **Say** | **Rs.140.10** | **Each** | |
| **15.50** | **Dismantling of R.C.C. spun vent shaft including excavating the cement concrete pit completely , taking out the shaft , refilling the excavated gap, stacking the useful materials near the site and disposal of unserviceable materials within 50 metres lead.** | | | | | |
| | Details of cost for one | | | | | |
| | Dismanting cement concrete (a) 1:4:8 | | | | | |
| | 0.90x0.90x1.35m =1.094 cum | | | | | |
| | Less shaft 1/4x22/7x0.15x0.45 m = 0.024 cum . | | | | | |
| | 0.919 cum | | | | | |
| | Say 0.92 cum | | | | | |
| | Dismantling cement concrete 1:2:4 | | | | | |
| | 0.90x0.90x0.15 | | | | | |
| | = 0.122 cum | | | | | |
| | Less shaft 1/4x22/7x0.15x0.45 m = 0.024 cum/ | | | | | |
| | 0.098 cum | | | | | |
| | say c 10 cum | | | | | |
| | Labour: | | | | | |
| | Beldar | per day | 0.810 | 254.000 | (0114) | 205.740 |
| | Coolie | per day | 0.510 | 254.000 | (0115) | 129.540 |
| | Sundries | 1 time | 1.820 | 1.800 | (9999) | 3.276 |
| | Beldar | per day | 0.160 | 254.000 | (0114) | 40.640 |
| | Coolie | per day | 0.070 | 254.000 | (0115) | 17.780 |
| | Sundries | 1 time | 0.520 | 1.800 | (9999) | 0.936 |
| | Mistry | per day | 0.250 | 254.000 | (0130) | 63.500 |
| | Mason 1 st class | per day | 0.120 | 342.000 | (0123) | 41.040 |
| | Mason 2nd aass | per day | 0.120 | 305.000 | (0124) | 36.600 |
| | Bandhani | per day | 1.000 | 270.000 | (0100) | 270.000 |
| | Beldar | per day | 1.000 | 254.000 | (0114) | 254.000 |
| | Sundries for scaffolding etc. | 1 time | 53.820 | 1.800 | (9999) | 96.876 |
| | Total | | | | | 1159.928 |
| | Ada tor water cnarges @ 1% | | | | | 11.59928 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Total | | | | | 1171.5273 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 164.60 |
| | Total | | | | | 1336.13 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 200.42 |
| | Cost of 1 each | | | | | 1536.546 |
| | Add labour cess @ 1% | | | | | 15.37 |
| | Rate including labour cess | | | | | 1551.92 |
| | | | **Say** | **Rs.1551.90** | **Each** | |
| **15.51** | **Dismantling or road gully chamber or various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable meterials into municipal dumps within 50 metres lead including refilling the excavated** | | | | | |
| | Details of cost for one chamber | | | | | |
| | Dismantling cement concrete 1:5:10 | | | | | |
| | 1.05x1.00x0.15 m = 0.16 cum | | | | | |
| | Dismantling brick work in cement mortar x 2.70 | | | | | |
| | x0.20 x 0.45 = 0.24 cum | | | | | |
| | Dismantling cement concrete 1.2:4 2.70x0.20x0.15 | | | | | |
| | m = 0.08 cum | | | | | |
| | Labour: | | | | | |
| | Beldar | per day | 0.140 | 254.000 | (0114) | 35.560 |
| | Coolie | per day | 0.090 | 254.000 | (0115) | 22.860 |
| | Sundries :- | 1 time | 0.260 | 1.800 | (9999) | 0.468 |
| | Beldar | per day | 0.250 | 254.000 | (0114) | 63.500 |
| | Coolie | per day | 0.22 | 254.000 | (0115) | 55.880 |
| | Sundries :- | 1 time | 0.52 | 1.800 | (9999) | 0.936 |
| | Beldar | per day | 0.13 | 254.000 | (0114) | 33.020 |
| | Coolie | per day | 0.06 | 254.000 | (0115) | 15.240 |
| | Sundries for scaffolding etc. | 1 time | 0.39 | 1.800 | (9999) | 0.702 |
| | Dismantling C.I. grating | 1 time | 7.15 | 1.800 | (9999) | 12.870 |
| | Total | | | | | 241.036 |
| | Ada tor water cnarges @ 1% | | | | | 2.41036 |
| | Total | | | | | 243.44636 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 34.20 |
| | Total | | | | | 277.65 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 41.65 |
| | Cost of 1 each | | | | | 319.298 |
| | Add labour cess @ 1% | | | | | 3.19 |
| | Rate including labour cess | | | | | 322.49 |
| | | | **Say** | **Rs.322.50** | **Each** | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| **15.52** | **Dismantling of flushing cistern of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.** | | | | | | |
| | Details of cost for one | | | | | | |
| | Labour: | | | | | | |
| | Fitter | per day | 0.25 | 348.00 | (0116) | 87.000 | |
| | Beldar | per day | 0.5 | 254.000 | (0114) | 127.000 | |
| | Sundries | 1 time | 17.94 | 1.800 | (9999) | 32.292 | |
| | Total | | | | | 246.292 | |
| | Ada tor water cnarges @ 1% | | | | | 2.46292 | |
| | Total | | | | | 248.75492 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 34.95 | |
| | Total | | | | | 283.70 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 42.56 | |
| | Cost of 1 each | | | | | 326.26 | |
| | Add labour cess @ 1% | | | | | 3.26 | |
| | Rate including labour cess | | | | | 329.52 | |
| | | | **Say** | **Rs.329.50** | **Each** | | |
| **15.53** | **Dismanting of C.I. sluice valve including stacking of useful materials within a lead of 50 metres.** | | | | | | |
| **15.53.1** | **Upto 150 mm dia .** | | | | | | |
| | Details of cost for dismentling 10 sluice valves | | | | | | |
| | (avg.) 100 mm | | | | | | |
| | Labour: | | | | | | |
| | Fitter | per day | 0.6 | 348.00 | (0116) | 208.800 | |
| | Asst. fitter | per day | 0.4 | 305.00 | (0117) | 122.000 | |
| | Beldar | per day | 1.6 | 254.000 | (0114) | 406.400 | |
| | Sundries for removing the R.C.C. cover etc. for | | | | | | |
| | dismantling sluice value | 1 time | 89.7 | 1.800 | (9999) | 161.460 | |
| | Total | | | | | 898.660 | |
| | Ada tor water cnarges @ 1% | | | | | 8.9866 | |
| | Total | | | | | 907.6466 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 127.52 | |
| | Total | | | | | 1035.17 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 155.28 | |
| | Cost of 10 nos | | | | | 1190.447 | |
| | Cost of 1 nos | | | | | 119.04 | |
| | Add labour cess @ 1% | | | | | 1.19 | |
| | Rate including labour cess | | | | | 120.23 | |
| | | | **Say** | **Rs.120.20** | **Each** | | |
| **15.53.2** | **Above 150 mm diameter** | | | | | | |
| | Details of cost for dismentling 10 sluice valves | | | | | | |
| | (avg.) 250 mm | | | | | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Labour: | | | | | | |
| | Fitter | per day | 2.4 | 348.00 | (0116) | 835.200 | |
| | Ass.Fitter | per diiy | 1.54 | 305.00 | (0117) | 469.700 | |
| | Beldar | per day | 6.4 | 254.000 | (0114) | 1625.600 | |
| | Sundries for removing shs R.C.C. cover etc. for | | | | | | |
| | dismantling sluice vale | 1 time | 89.700 | 1.800 | (9999) | 161.460 | |
| | Total | | | | | 3091.960 | |
| | Ada tor water cnarges @ 1% | | | | | 30.9196 | |
| | Total | | | | | 3122.8796 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 438.76 | |
| | Total | | | | | 3561.64 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 534.25 | |
| | Cost of 10 nos | | | | | 4095.891 | |
| | Cost of 1 nos | | | | | 409.59 | |
| | Add labour cess @ 1% | | | | | 4.10 | |
| | Rate including labour cess | | | | | 413.69 | |
| | | | **Say** | **Rs.413.70** | **Each** | | |
| **15.54** | **Dismantling of spindle fire hydrant including stacking of useful materials within 50 metres lead** | | | | | | |
| | Details Of cost for 10 Nos. | | | | | | |
| | Labour: | | | | | | |
| | Fitter | per day | 1.500 | 348.000 | (0116) | 522.000 | |
| | Asst. Fitter | per day | 1.000 | 305.000 | (0117) | 305.000 | |
| | Beldar | per day | 4.000 | 254.000 | (0114) | 1016.000 | |
| | Total | | | | | 1843.000 | |
| | Ada tor water cnarges @ 1% | | | | | 18.43 | |
| | Total | | | | | 1861.43 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 261.53 | |
| | Total | | | | | 2122.96 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 318.44 | |
| | Cost of 10 nos | | | | | 2441.41 | |
| | Cost of 1 nos | | | | | 244.141 | |
| | Add labour cess @ 1% | | | | | 2.44 | |
| | Rate including labour cess | | | | | 246.58 | |
| | | | **Say** | **Rs.246.60** | **Each** | | |
| **15.55** | **Dismantling of cement concrete platform along with curtain wall and base concrete etc. including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.** | | | | | | |
| **15.55.1** | **120x120 cm(outside to outside)** | | | | | | |
| | Details of cost for one platform | | | | | | |
| | Dismantling cement concrete 1:5:10 | | | | | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | 4.00x0.35x0.12m=0.168 cum | | | | | |
| | 0.80x0.80x0.07m=0.048 cum | | | | | |
| | 0.216 cum | | | | | |
| | Say 0.22 cum | | | | | |
| | Dismantling brick work in cement mortar | | | | | |
| | 4.00x0.20x0.30m=0.24 cum | | | | | |
| | 4.40x0.10x0.20m=0.088 cum | | | | | |
| | 0.328 cum | | | | | |
| | Say 0.33cum | | | | | |
| | Dismantling 40 mm C.C. flooring 1:2:4 | | | | | |
| | 1.00x1.00x0.04 m =0.04 cum | | | | | |
| | Labour: | | | | | 0.000 |
| | Beldar | per day | 0.190 | 254.000 | (0114) | 48.260 |
| | Coolie | per day | 0.120 | 254.000 | (0115) | 30.480 |
| | Sundries | 1 time | 0.390 | 1.800 | (9999) | 0.702 |
| | Beldar | per day | 0.350 | 254.000 | (0114) | 88.900 |
| | Coolie | per day | 0.300 | 254.000 | (0115) | 76.200 |
| | Sundries | 1 time | 0.910 | 1.800 | (9999) | 1.638 |
| | Beldar | per day | 0.060 | 254.000 | (0114) | 15.240 |
| | Coolie | per day | 0.030 | 254.000 | (0115) | 7.620 |
| | Sundries for scaffolding etc. | 1 time | 0.130 | 1.800 | (9999) | 0.234 |
| | Total | | | | | 269.274 |
| | Ada tor water cnarges @ 1% | | | | | 2.69274 |
| | Total | | | | | 271.96674 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 38.21 |
| | Total | | | | | 310.18 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 46.53 |
| | Cost of 1 nos | | | | | 356.705 |
| | Add labour cess @ 1% | | | | | 3.57 |
| | Rate including labour cess | | | | | 360.27 |
| | | | **Say** | **Rs.360.30** | **Each** | |

**15.55.2 210x120 cm (outside to outside)**

**Details of cost for one platform**

**Desmantling cement concrete 1:5:10**

5.80x0.35x0.22m=0.243 cum
0.80x1,70x0.075m=0.102 cum
0.345 cum
Say 0.35 cum
Dismantling of brick work in cement mortar

5.80x0.20x"0.30m=0.348 cum
6.20x0.10xO.20m=0.124cum
0.472 cum

Dismantling 40 mm C.C.floor 1:2:4
1.90x1.00x0.04=0.08 cum

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Labour: | | | | | |
| | Beldar | per day | 0.31 | 254.000 | (0114) | 78.740 |
| | Coolie | per day | 0.19 | 254.000 | (0115) | 48.260 |
| | Sundries | 1 time | 0.65 | 1.800 | (9999) | 1.170 |
| | Beldar | per day | 0.5 | 254.000 | (0114) | 127.000 |
| | Coolie | per day | 0.42 | 254.000 | (0115) | 106.680 |
| | Sundries | 1 time | 1.3 | 1.800 | (9999) | 2.340 |
| | Beldar | per day | 0.13 | 254.000 | (0114) | 33.020 |
| | Coolie | per day | 0.06 | 254.000 | (0115) | 15.240 |
| | Sundries for scaffolding etc. | 1 time | 0.39 | 1.800 | (9999) | 0.702 |
| | Total | | | | | 413.152 |
| | Ada tor water cnarges @ 1% | | | | | 4.13152 |
| | Total | | | | | 417.28352 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 58.63 |
| | Total | | | | | 475.91 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 71.39 |
| | Cost of 1 nos | | | | | 547.299 |
| | Add labour cess @ 1% | | | | | 5.47 |
| | Rate including labour cess | | | | | 552.77 |
| | | | **Say** | **Rs.552.80** | **Each** | |
| **15.55.3** | **320x120 cm (outside to outside)** | | | | | |
| | **Details of cost for one platform** | | | | | |
| | **Dismantling cement concrete 1:5:10** | | | | | |
| | 8.00x0.35x0.12 m =0.336 cum | | | | | |
| | 2.80x0.80x0.075m=0.168 cum | | | | | |
| | 0.504 cum | | | | | |
| | Dismantling Brick work in cement mortar | | | | | |
| | 8.0x0.20x0.30m=0.48 cum | | | | | |
| | 8.40x0.10x0.20m=0.168 cum | | | | | |
| | 0.648 cum | | | | | |
| | Say 0.65 cum | | | | | |
| | Dismantling 40 mm C.C. flooring 1:2:4 | | | | | |
| | 3.00x1.00x0.04=0.12 cum | | | | | |
| | Labour: | | | | | |
| | Beldar | per day | 0.44 | 254.000 | (0114) | 111.760 |
| | Coolie | per day | 0.28 | 254.000 | (0115) | 71.120 |
| | Sundries | 1 time | 0.91 | 1.800 | (9999) | 1.638 |
| | Beldar | per day | 0.69 | 254.000 | (0114) | 175.260 |
| | Coolie | per day | 0.59 | 254.000 | (0115) | 149.860 |
| | Sundries | 1 time | 1.56 | 1.800 | (9999) | 2.808 |
| | Beldar | per day | 0.190 | 254.000 | (0114) | 48.260 |
| | Coolie | per day | 0.090 | 254.000 | (0115) | 22.860 |
| | Sundries for scaffoldinng etc. | 1 time | 0.520 | 1.800 | (9999) | 0.936 |
| | Total | | | | | 584.502 |
| | Ada tor water cnarges @ 1% | | | | | 5.84502 |
| | Total | | | | | 590.347 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 82.94 |
| | Total | | | | | 673.29 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 100.99 |
| | Cost of 1 nos | | | | | 774.284 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Add labour cess @ 1% | | | | | 7.74 |
| | Rate including labour cess | | | | | 782.02 |
| | | | **Say** | **Rs.782.00** | **Each** | |
| **15.S6** | **Dismantling old plaster or skirting raking out jounts and cleaning the surface for plaster including disposalof rubbish to the dumping ground within 50 metres lead. .** | | | | | |
| | **Details sof cost for 10 sqm** | | | | | |
| | Beldar | per day | 0.360 | 254.000 | (0114) | 91.440 |
| | Coolie | per day | 0.080 | 254.000 | (0115) | 20.320 |
| | Bhishti | per day | 0.070 | 277.000 | (0101) | 19.390 |
| | Sundries for scaffolding etc. | 1 time . | 1.430 | 1.800 | (9999) | 2.574 |
| | Total | | | | | 133.724 |
| | Ada tor water cnarges @ 1% | | | | | 1.33724 |
| | Total | | | | | 135.06124 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 18.98 |
| | Total | | | | | 154.04 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 23.11 |
| | Cost of 10 sqm | | | | | 177.143 |
| | Cost of 1 sqm | | | | | 17.714 |
| | Add labour cess @ 1% | | | | | 0.18 |
| | Rate including labour cess | | | | | 17.89 |
| | | | **Say** | **Rs.17.90** | **Per sqm** | |
| **15.57** | **Dismantling alumiuium/Cypsum partitions, doors,, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 m lead as directed by Engineer-in-charge. Details of cost for 10 sqm** | | | | | |
| | Labour: | | | | | |
| | Carpenter II nd class | per day | 0.200 | 305.000 | (0112) | 61.000 |
| | Beldar | per day | 0.300 | 254.000 | (0114) | 76.200 |
| | Sundries | 1 time | 5.380 | 1.800 | (9999) | 9.684 |
| | Total | | | | | 146.884 |
| | Ada tor water cnarges @ 1% | | | | | 1.46884 |
| | Total | | | | | 148.35284 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 20.84 |
| | Total | | | | | 169.20 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 25.38 |
| | Cost of 10 sqm | | | | | 194.576 |
| | Cost of 1 sqm | | | | | 19.458 |
| | Add labour cess @ 1% | | | | | 0.19 |
| | Rate including labour cess | | | | | 19.65 |
| | | **Say** | **Say** | **Rs.19.60** | **Per sqm** | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|

## BARRICADING WORK

**15.58 (A) Providing sal ballah barricading with departmental sal ballah average 150 dia. And 2M long sal ballah post at interval of 2.5 M C/C fixed 0.5 M average below ground, packed with earth and Brick bats, well watered and rammed with three rows of average 100mm dia. Sal ballah horizontal runners fixed with iron spikes and wires, white washing one coat to exposed surface, dismantling the barricade after function, filling the holes, excluding carriage of sal ballah from and to godown up to 5K.M. lead, stacking them in countable stacks in godown including cost of all labour and materials and taxes all complete job as per specification and direction of E/I.**

| | | | | | | |
|---|---|---|---|---|---|---|
| **Assuming 100m length of barricading** | | | | | | **Unit per m** |
| A Labour | | | | | | |
| 1 Digging 200mm dia and 0.5m deep holes for fixing post 40Nos at 20No holes each labour | | | | | | |
| Unskilled maz | No | 2 | | | | |
| 2 Cutting Sal Ballah 2m length and 40Nos each labour | | | | | | |
| Semi skilled labour | No | 1 | | | | |
| 3 Fixing Sal Ballah in holes 40Nos @ 20No each labour | | | | | | |
| Semi skilled labour | No | 2 | | | | |
| 4 making holes in Sal Ballah and fixing spikes 40 x 3 = 120 Nos @ 30 No each carpenter | | | | | | |
| Carpenter Gr II | No | 4 | | | | |
| 5 Fixing runner with iron spikes and G.I. Wires 300m long @ 10m each labour | | | | | | |
| a Semi skilled labour | No | 10 | | | | |
| b Unskilled labour | No | 20 | | | | |
| 6 Watering and ramming holes 40Nos @ 20No holes each labour | | | | | | |
| a Semi skilled labour | No | 2 | | | | |
| 7 White washing one coat to exposed surface of post 11 x 0.15 X 1.5 X 40 = 28.0m2 | | | | | | |
| Runner 300 X 0.1 X p = 94.0m2 | | | | | | |
| a Semi skilled labour | No | 2 | | | | |
| 8 Dismentaling and stacking at godown after the barricade work is over 1/3 of item No 3 to 5 except 4 | | | | | | |
| a Semi skilled labour | | | | | | |
| | No | 5 | | | | |
| b Unskilled labour | No | 7 | | | | |
| Total labour | | | | | | |
| a Semi skilled labour | No | 22 | 265.00 | (0L70) | 5830.000 | |
| b Unskilled labour | No | 29 | 254.00 | (0L01) | 7366.000 | |
| c carpenter Gr II | No | 4 | 305.00 | (0112) | 1220.000 | |
| | | | | | 14416.000 | (A) |
| B Material | | | | | | |
| 1 Lime | Per quntal | 0.05 | 558.43 | (1216) | 27.922 | |
| 2 Brick bats | m3 | 0.25 | 1351.00 | (0287) | 337.750 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | 3 Spikes | kg | 12 | 55.84 | (1219) | 670.121 | |
| | 4 Annealed wire & sundries | 1 times | 65 | 1.80 | (9999) | 117.000 | |
| | | | | | | 1152.793 | (B) |
| | | | | Total A + B | | 15568.793 | |
| | Add 15% C.P and overhead charge. | | | | | 2335.319 | |
| | | | | | | 17904.111 | |
| | | | | **Hence rate per m =** | | 179.041 | |
| | Add labour cess @ 1% | | | | | 1.790 | |
| | Rate including labour cess | | | | | 180.831 | |
| | | | | | **Say Per m** | **Rs.180.80** | |

**15.58 Demolishing R.C.C. work by mechanical means and stockpiling at designated locations and disposal of dismantled materials up to a lead of 1 kilometre, stacking serviceable and unserviceable material separately including cutting reinforcement bars.**

| | | | | | |
|---|---|---|---|---|---|
| Details of cost for 1 cum | | | | | |
| LABOUR: | | | | | |
| Mate | day | 0.03 | 270.00 | 0128 | 8.100 |
| Labour for operating pneumatic tools | | | | | |
| Skilled Beldar (for floor rubbing etc.) | day | 0.5 | 305.00 | 0139 | 152.500 |
| Beldar | day | 0.5 | 254.00 | 0114 | 127.000 |
| Labour for cutting reinforcement bars | | | | | |
| Blacksmith 2nd class | day | 0.5 | 305.00 | 0103 | 152.500 |
| Beldar | day | 0.5 | 254.00 | 0114 | 127.000 |
| MACHINERY: | | | | | |
| Air compressor 250 cfm with two leads for pneumatic cutters / hammers | day | 0.125 | 1500.00 | 0040 | 187.500 |
| Tractor with trolley | day | 0.05 | 1250.00 | 0039 | 62.500 |
| Joint cutting machine with 2-3 blades | day | 0.125 | 750.00 | 0041 | 93.750 |
| TOTAL | | | | | 910.850 |
| Add Water Charges @ 1% | | | | | 9.1085 |
| Total | | | | | 919.9585 (X) |
| Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 129.25 |
| Total | | | | | 1049.21 (Y) |
| Add 15 % Contractor's profit and overheads on "Y" | | | | | 157.38 |
| Cost of 1 cum | | | | | 1206.59 |
| Add labour cess @ 1% | | | | | 12.070 |
| Rate including labour cess | | | | | 1218.665 |
| | | | | **Say Per cum** | **Rs.1218.70** |

**15.59 Dismantling of flexible pavement (bituminous courses) by mechanical means and disposal of dismantled material up to a lead of 1 kilometre, as per direction of Engineer-in-charge.**

| | | | | | |
|---|---|---|---|---|---|
| Details of cost for 1 cum | | | | | |
| LABOUR: | | | | | |
| Mate | day | 0.01 | 270.00 | 0128 | 2.700 |
| Beldar | day | 0.3 | 254.00 | 0114 | 76.200 |
| MACHINERY: | | | | | |
| Tractor with trolley | day | 0.048 | 1250.00 | 0039 | 60.000 |
| Tractor with tipper attachment | day | 0.002 | 1100.00 | 0038 | 2.200 |
| Total | | | | | 141.100 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | | 1.411 | |
| | Total | | | | | 142.511 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 20.02 | |
| | Total | | | | | 162.53 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 24.38 | |
| | Cost of 1 cum | | | | | 186.91 | |
| | Add labour cess @ 1% | | | | | 1.870 | |
| | Rate including labour cess | | | | | 188.784 | |
| | | | | | **Say Per cum** | **Rs.188.80** | |
| **15.60** | **Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.** | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | Carriage of rubbish | cum | 1 | 106.49 | 2264 | 106.490 | |
| | Add Water Charges @ 1% | | | | | 1.0649 | |
| | Total | | | | | 107.5549 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 15.11 | |
| | Total | | | | | 122.67 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | | 18.40 | |
| | TOTAL | | | | | 141.066 | |
| | Cost of 1 cum | | | | | 141.07 | |
| | Add labour cess @ 1% | | | | | 1.410 | |
| | Rate including labour cess | | | | | 142.476 | |
| | | | | | **Say Per cum** | **Rs.142.50** | |

# SUB HEAD : 16.0
# ROAD WORK

## SUB HEAD 16.0
# Road Work

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **16.1** | **Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.** | | | | |
| | Details of cost for 100sqm. | | | | |
| | (A) preparation of subgrade. Earth work in excavation including dressing etc. 100sqm.x22.5cm (average depth) = 22.5cum. | | | | |
| | LABOUR | | | | |
| 0128 | Mate | day | 1.80 | 270.00 | 486.00 |
| 0115 | Coolie | day | 18.00 | 265.00 | 4770.00 |
| 0114 | Beldar | day | 0.27 | 254.00 | 68.58 |
| 0003 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.05 | 2200.00 | 118.80 |
| 0113 | Chowkidar | day | 0.05 | 267.00 | 14.42 |
| 9999 | Sundries | L.S. | 6.76 | 1.80 | 12.17 |
| | (B) Conslidation of subgrade Roller charges (one roller does 1860 sqm. of conosolidation of sub - grade with road roller of 8 to 12 tonne capacity including making good the undulations etc. with earth or quarry spoils etc. and rerolling the subgrade | | | | |
| 0003 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.05 | 2200.00 | 118.80 |
| 0113 | Chowkidar | day | 0.05 | 267.00 | 14.42 |
| 9999 | Sundries | L.S. | 6.76 | 1.80 | 12.17 |
| | TOTAL | | | | 5615.35 |
| | Add 1 % Water charges | | | | 56.15 |
| | TOTAL | | | | 5671.51 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 796.85 |
| | Total | | | | 6468.35 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 970.25 |
| | TOTAL | | | | 7438.60 |
| | Cost for 100 sqm. | | | | 7438.60 |
| | Cost per sqm. | | | | 74.39 |
| | add 1% labour cess | | | | 0.74 |
| | Total | | | | 75.13 |
| | Say | | **Per sqm** | | **75.10** |
| **16.2** | **Extra for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (proctor density).** | | | | |
| | LABOUR<br>(Extra to item No.2.3 in Earth work) | | | | |
| 0101 | Bhisti Roller charges (one roller does 1860sqm. Of consolidation per day of 8 hours and uses 18 litres diesel) | day | 0.17 | 277.00 | 47.09 |
| 0003 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.008 | 2200.00 | 17.60 |
| 0113 | Chowkidar | day | 0.008 | 267.00 | 2.14 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Sundries | L.S. | 1.43 | 1.80 | 2.57 | |
| | TOTAL | | | | 69.40 | |
| | Add 1 % Water charges | | | | 0.69 | |
| | TOTAL | | | | 70.09 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 9.85 | |
| | Total | | | | 79.94 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 11.99 | |
| | TOTAL | | | | 91.93 | |
| | Cost of 10 cum. | | | | 91.93 | |
| | Cost per cum. | | | | 9.19 | |
| | add 1% labour cess | | | | 0.09 | |
| | Total | | | | 9.29 | |
| | Say | | Per cum | | **9.30** | |
| **16.3** | **Supplying and stacking at site.** | | | | | |
| **16.3.1** | **90 mm to 45 mm size stone aggregate** | | | | | |
| | Details of cost for 1 cum. | | | | | |
| | MATERIAL | | | | | |
| 2901 | Stone Aggregate (Single size) : 100 mm nominal size | cum | 0.10 | 399.84 | 39.98 | |
| 2902 | Stone Aggregate (Single size) : 80 mm nominal size | cum | 0.65 | 399.84 | 259.90 | |
| 0291 | Stone Aggregate (Single size) : 63 mm nominal size | cum | 0.25 | 431.67 | 107.92 | |
| 2206 | Carriage of Stone aggregate 40 mm nominal size and above | cum | 1.00 | 112.79 | 112.79 | |
| | Total | | | | 520.59 | |
| | Add 1 % Water charges | | | | 5.21 | |
| | TOTAL | | | | **525.79** | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 73.87 | |
| | Total | | | | 599.67 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 89.95 | |
| | TOTAL | | | | 689.62 | |
| | Cost for 1 cum | | | | 689.62 | |
| | add 1% labour cess | | | | 6.90 | |
| | Total | | | | 696.51 | |
| | Say | | | | **696.50** | |
| **16.3.2** | **63 mm to 45 mm size stone aggregate** | | | | | |
| | Details of cost for 1 cum. | | | | | |
| | MATERIAL | | | | | |
| 2902 | Stone Aggregate (Single size) : 80 mm nominal size | cum | 0.1 | 399.84 | 39.98 | |
| 0291 | Stone Aggregate (Single size) : 63 mm nominal size | cum | 0.65 | 431.67 | 280.59 | |
| 0292 | Stone Aggregate (Single size) : 50 mm nominal size | cum | 0.25 | 431.67 | 107.92 | |
| 2206 | Carriage of Stone aggregate 40 mm nominal size and above | cum | 1 | 0 | 0.00 | |
| | Total | | | | 428.49 | |
| | Add 1 % Water charges | | | | 4.28 | |
| | TOTAL | | | | 432.77 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 60.80 | |
| | Total | | | | 493.58 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 74.04 | |
| | TOTAL | | | | 567.61 | |
| | Cost for 1 cum | | | | 567.61 | |
| | add 1% labour cess | | | | 5.68 | |
| | Total | | | | 573.29 | |
| | Say | | | | **573.30** | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **16.3.3** | **53 mm to 22.4 mm size stone aggregate** | | | | | |
| | Details of cost for 1 cum. | | | | | |
| | MATERIAL | | | | | |
| 0291 | Stone Aggregate (Single size) : 63 mm nominal size | cum | 0.05 | 431.67 | 21.58 | |
| 0292 | Stone Aggregate (Single size) : 50 mm nominal size | cum | 0.3 | 431.67 | 129.50 | |
| 0293 | Stone Aggregate (Single size) : 40 mm nominal size | cum | 0.65 | 445.22 | 289.39 | |
| 2206 | Carriage of Stone aggregate 40 mm nominal size and above | cum | 1 | 0 | 0.00 | |
| | Total | | | | 440.48 | |
| | Add 1 % Water charges | | | | 4.40 | |
| | TOTAL | | | | 444.88 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 62.51 | |
| | Total | | | | 507.39 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 76.11 | |
| | TOTAL | | | | 583.50 | |
| | Cost for 1 cum | | | | 583.50 | |
| | add 1% labour cess | | | | 5.83 | |
| | Total | | | | 589.33 | |
| | Say | | | | **589.30** | |
| **16.3.4** | **Over burnt (Jhama) brick aggregate 120 mm to 40 mm** | | | | | |
| | Details of cost for 1 cum. | | | | | |
| | MATERIAL | | | | | |
| 2908 | Over burnt (Jhama) Brick Aggregate: 120 mm to 40 mm size | cum | 1.00 | 1233.60 | 1233.60 | |
| 2260 | Carriage of Brick aggregate | cum | 1.00 | 0.00 | 0.00 | |
| | Total | | | | 1233.60 | |
| | Add 1 % Water charges | | | | 12.34 | |
| | TOTAL | | | | 1245.94 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 175.05 | |
| | Total | | | | 1420.99 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 213.15 | |
| | TOTAL | | | | 1634.14 | |
| | Cost for 1 cum | | | | 1634.14 | |
| | add 1% labour cess | | | | 16.34 | |
| | Total | | | | 1650.48 | |
| | Say | | | | 1650.50 | |
| **16.3.5** | **Over burnt (Jhama) brick aggregate 90 mm to 45 mm** | | | | | |
| | Details of cost for 1 cum. | | | | | |
| | MATERIAL | | | | | |
| 2909 | Over burnt (Jhama) Brick Aggregate: 90 mm to 40 mm size | cum | 1.00 | 1233.60 | 1233.60 | |
| 2260 | Carriage of Brick aggregate | cum | 1.00 | 0.00 | 0.00 | |
| | Total | | | | 1233.60 | |
| | Add 1 % Water charges | | | | 12.34 | |
| | TOTAL | | | | 1245.94 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 175.05 | |
| | Total | | | | 1420.99 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 213.15 | |
| | TOTAL | | | | 1634.14 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost for 1 cum | | | | 1634.14 |
| | add 1% labour cess | | | | 16.34 |
| | Total | | | | 1650.48 |
| | Say | | | | 1650.50 |
| 16.3.6 | **Stone screening 13.2 mm nominal size (Type A)** | | | | |
| | Details of cost for 1 cum. | | | | |
| | MATERIAL | | | | |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size | cum | 0.05 | 649.26 | 32.46 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size | cum | 0.8 | 620.42 | 496.34 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size | cum | 0.15 | 190.08 | 28.51 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 1.00 | 0.00 | 0.00 |
| | TOTAL | | | | 557.31 |
| | Add 1 % Water charges | | | | 5.57 |
| | TOTAL | | | | 562.88 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 79.09 |
| | Total | | | | 641.97 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 96.30 |
| | TOTAL | | | | 738.26 |
| | Cost for one cum. | | | | 738.26 |
| | add 1% labour cess | | | | 7.38 |
| | **Total** | | | | **745.65** |
| | Say | | | | 745.60 |
| 16.3.7 | **Stone screening 11.2 mm nominal size (Type B)** | | | | |
| | Details of cost for 1 cum. | | | | |
| | MATERIAL | | | | |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size | cum | 0.10 | 620.42 | 62.04 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size | cum | 0.75 | 190.08 | 142.56 |
| 2904 | Stone chippings/ screenings 150 micron nominal size | cum | 0.15 | 190.08 | 28.51 |
| 2202 | Carriage of Stone aggregate below 40 mm | cum | 0.85 | 0.00 | 0.00 |
| 2267 | Carriage of Stone dust | cum | 0.15 | 0.00 | 0.00 |
| | TOTAL | | | | 233.11 |
| | Add 1 % Water charges | | | | 2.33 |
| | TOTAL | | | | 235.45 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 33.08 |
| | Total | | | | 268.53 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 40.28 |
| | TOTAL | | | | 308.80 |
| | Cost for one cum. | | | | 308.80 |
| | add 1% labour cess | | | | 3.09 |
| | Total | | | | 311.89 |
| | Say | | | | 311.90 |
| **16.3.8** | **Red bajri** | | | | |
| | Details of cost for 1 cum. | | | | |
| | MATERIAL | | | | |
| 0304 | Bajri | cum | 1.00 | 1116.87 | 1116.87 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 2311 | Carriage of Red bajri | cum | 1.00 | 0.00 | 0.00 | |
| | TOTAL | | | | 1116.87 | |
| | Add 1 % Water charges | | | | 11.17 | |
| | TOTAL | | | | 1128.04 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 158.49 | |
| | Total | | | | 1286.53 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 192.98 | |
| | TOTAL | | | | 1479.50 | |
| | Cost for one cum. | | | | 1479.50 | |
| | add 1% labour cess | | | | 14.80 | |
| | Total | | | | 1494.30 | |
| | Say | | | | 1494.30 | |
| **16.3.9** | **Good earth** | | | | | |
| | Details of cost for 1 cum. | | | | | |
| | Excavation : | | | | | |
| | LABOUR | | | | | |
| 0114 | Beldar | day | 0.18 | 254.00 | 44.96 | |
| 0115 | Coolie | day | 0.17 | 265.00 | 44.26 | |
| 0979 | Royalty for good earth | cum | 1.00 | 27.92 | 27.92 | |
| 2241 | Carriage of Good earth by mechanical transport upto 3 km lead | cum | 1.00 | 0.00 | 0.00 | |
| | TOTAL | | | | 117.13 | |
| | Add 1 % Water charges | | | | 1.17 | |
| | TOTAL | | | | 118.31 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 16.62 | |
| | Total | | | | 134.93 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 20.24 | |
| | TOTAL | | | | 155.17 | |
| | Cost per cum. | | | | 155.17 | |
| | add 1% labour cess | | | | 1.55 | |
| | Total | | | | 156.72 | |
| | Say | | | | 156.70 | |
| 16.3.10 | **Moorum** | | | | | |
| | Details of cost for 1 cum. | | | | | |
| | MATERIAL | | | | | |
| 0810 | Moorum | cum | 1.00 | 132.21 | 132.21 | |
| 2265 | Carriage of Moorum | cum | 1.00 | 0.00 | 0.00 | |
| | TOTAL | | | | 132.21 | |
| | Add 1 % Water charges | | | | 1.32 | |
| | TOTAL | | | | 133.53 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 18.76 | |
| | Total | | | | 152.29 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 22.84 | |
| | TOTAL | | | | 175.14 | |
| | Cost for one cum. | | | | 175.14 | |
| | add 1% labour cess | | | | 1.75 | |
| | Total | | | | 176.89 | |
| | Say | | | | 176.90 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **16.4** | **Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density** | | | | |
| | LABOUR | | | | |
| 0114 | Beldar | day | 0.26 | 254.00 | 66.04 |
| 0115 | Coolie | day | 0.26 | 265.00 | 68.90 |
| 0101 | Bhisti | day | 0.26 | 277.00 | 72.02 |
| | Roller charges (one roller does 30 cum consolidation per day of 8 hours and uses 18 litres of diesel oil). | | | | 0.00 |
| 0003 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.033 | 2200.00 | 72.60 |
| 0113 | Chowkidar | day | 0.033 | 267.00 | 8.81 |
| 9999 | Sundries | L.S. | 2.73 | 1.80 | 4.91 |
| | TOTAL | | | | 293.29 |
| | Add 1 % Water charges | | | | 2.93 |
| | TOTAL | | | | 296.22 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 41.62 |
| | Total | | | | 337.84 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 50.68 |
| | TOTAL | | | | 388.51 |
| | Cost for 1 cum | | | | 388.51 |
| | add 1% labour cess | | | | 3.89 |
| | Total | | | | 392.40 |
| | Say | | | | 392.40 |
| **16.5** | **Laying water bound macadam sub-base with brick aggregate and binding material, earth etc. including screening, sorting and spreading to template and consolidation with light power road-roller etc. complete.(payment for brick aggregate and moorum etc. to be made separately)** | | | | |
| **16.5.1** | **Over burnt (Jhama) brick aggregate 120 mm to 40 mm** | | | | |
| | Details of cost for 1 cum. | | | | |
| | LABOUR | | | | |
| 0114 | Beldar | day | 0.35 | 254.00 | 88.90 |
| 0115 | Coolie | day | 0.26 | 265.00 | 68.90 |
| 0101 | Bhisti | Day | 0.18 | 277.00 | 49.86 |
| | Roller charges (one roller does 230cum. consolidation per day of 8 hours and uses 18 litres of diesel oil) | | | | 0.00 |
| 0003 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.004 | 2200.00 | 8.80 |
| 0113 | Chowkidar | day | 0.004 | 267.00 | 1.07 |
| 9999 | Sundries | L.S. | 2.73 | 1.80 | 4.91 |
| | TOTAL | | | | 222.44 |
| | Add 1 % Water charges | | | | 2.22 |
| | TOTAL | | | | 224.67 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 31.57 |
| | Total | | | | 256.23 (Y) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 38.43 | |
| | TOTAL | | | | 294.67 | |
| | Cost for one cum. | | | | 294.67 | |
| | add 1% labour cess | | | | 2.95 | |
| | Total | | | | 297.61 | |
| | Say | | | | 297.60 | |
| **16.5.2** | **Over burnt (Jhama) brick aggregate 90 mm to 45 mm** | | | | | |
| | Details of cost for 1 cum. | | | | | |
| | LABOUR | | | | | |
| 114 | Beldar | day | 0.35 | 254.00 | 88.90 | |
| 115 | Coolie | day | 0.26 | 265.00 | 68.90 | |
| 101 | Bhisti | day | 0.18 | 277.00 | 49.86 | |
| | Roller charges (one roller does 230cum. consolidation per day of 8 hours and uses 18 litres of diesel oil) | | | | 0.00 | |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.004 | 2200.00 | 8.80 | |
| 113 | Chowkidar | day | 0.004 | 267.00 | 1.07 | |
| 9999 | Sundries | L.S. | 2.73 | 1.80 | 4.91 | |
| | TOTAL | | | | 222.44 | |
| | Add 1 % Water charges | | | | 2.22 | |
| | TOTAL | | | | 224.67 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 31.57 | |
| | Total | | | | 256.23 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 38.43 | |
| | TOTAL | | | | 294.67 | |
| | Cost for one cum. | | | | 294.67 | |
| | add 1% labour cess | | | | 2.95 | |
| | Total | | | | 297.61 | |
| | Say | | | | 297.60 | |
| **16.6** | **Supplying, stacking and Spreading 6 mm thick red bajri, watering and rolling complete including preparation of the surface and rolling.** | | | | | |
| 16.6.1 | **With road roller/ hand roller** | | | | | |
| | Details of cost for 6 mm thick and 100 sqm area = 0.60 cum. (A) Supplying and stacking of Red bajri at site. | | | | | |
| | MATERIAL | | | | | |
| 0304 | Bajri | cum | 0.60 | 1116.87 | 670.12 | |
| 2311 | Carriage of Red bajri | cum | 0.60 | 0.00 | 0.00 | |
| | (B) Spreading of red bajri | | | | 0.00 | |
| | LABOUR | | | | 0.00 | |
| 0114 | Beldar | day | 0.54 | 254.00 | 137.16 | |
| 0101 | Bhisti | day | 0.54 | 277.00 | 149.58 | |
| | Roller charges (one roller does 1860sqm consolidation per day of 8 hours and uses 18 litres of diesel oil). | | | | 0.00 | |
| 0003 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.05 | 2200.00 | 118.80 | |
| 0113 | Chowkidar | day | 0.05 | 267.00 | 14.42 | |
| | TOTAL | | | | 1090.08 | |
| | Add 1 % Water charges | | | | 10.90 | |
| | TOTAL | | | | 1100.98 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 154.69 |
| | Total | | | | 1255.67 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 188.35 |
| | TOTAL | | | | 1444.02 |
| | Cost for 100 sqm. | | | | 1444.02 |
| | Cost per sqm. | | | | 14.44 |
| | add 1% labour cess | | | | 0.14 |
| | Total | | | | 14.58 |
| | Say | | | | 14.60 |
| 16.7 | **Brick edging in full brick width and half brick depth including excavation, refilling and disposal of surplus earth lead upto 50 metres.** | | | | |
| 16.7.1 | **With common burnt clay F.P.S. (non modular) bricks of class designation 7.5** | | | | |
| | Details of cost for 10m. MATERIAL | | | | |
| 2602 | Common burnt clay F.P.S. (non modular) bricks class designation 7.5including 12% wastage | 1000 Nos | 0.16 | 5010.00 | 801.60 |
| 2201 | Carriage of Bricks | 1000 Nos | 0.16 | 0.00 | 0.00 |
| | LABOUR | | | | |
| 123 | Mason (brick layer) 1st class | day | 0.17 | 342.00 | 58.14 |
| 124 | Mason (brick layer) 2nd class | day | 0.17 | 305.00 | 51.85 |
| 115 | Coolie | day | 0.35 | 265.00 | 92.75 |
| 9999 | Removal of rubbish | L.S. | 17.94 | 1.80 | 32.29 |
| 9999 | Sundries | L.S. | 8.97 | 1.80 | 16.15 |
| | TOTAL | | | | 1052.78 |
| | Add 1 % Water charges | | | | 10.53 |
| | TOTAL | | | | 1063.31 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 149.39 |
| | Total | | | | 1212.70 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 181.91 |
| | TOTAL | | | | 1394.61 |
| | Cost for 10m. | | | | 1394.61 |
| | Cost per m. | | | | 139.46 |
| | add 1% labour cess | | | | 1.39 |
| | Total | | | | 140.86 |
| | Say | | | | 140.90 |
| **16.8** | **Brick edging laid lengthwise with half brick depth including excavation, refilling and disposal of surplus earth lead upto 50 metres :** | | | | |
| **16.8.1** | **With common burnt clay F.P.S. (non modular) bricks of class designation 7.5** | | | | |
| | Details of cost for 10m. | | | | |
| | MATERIAL | | | | |
| 2602 | Common burnt clay F.P.S. (non modular) bricks class designation 7.5 including 12% wastage | 1000 Nos | 0.05 | 5010.00 | 245.49 |
| 2201 | Carriage of Bricks | 1000 Nos | 0.05 | 0.00 | 0.00 |
| | LABOUR | | | | 0.00 |
| 0123 | Mason (brick layer) 1st class | day | 0.04 | 342.00 | 13.68 |
| 0124 | Mason (brick layer) 2nd class | day | 0.04 | 305.00 | 12.20 |
| 0115 | Coolie | day | 0.09 | 265.00 | 23.85 |
| 9999 | Removal of rubbish | L.S. | 4.16 | 1.80 | 7.49 |
| | TOTAL | | | | 302.71 |
| | Add 1 % Water charges | | | | 3.03 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 305.74 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 42.96 | |
| | Total | | | | 348.69 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 52.30 | |
| | TOTAL | | | | 400.99 | |
| | Cost for 10m. | | | | 400.99 | |
| | Cost per m. | | | | 40.10 | |
| | add 1% labour cess | | | | 0.40 | |
| | Total | | | | 40.50 | |
| | Say | | | | 40.50 | |
| **16.9** | **Scarifying metalled (water-bound) road surface including disposal of rubbish, lead upto 50 m and consolidation of the aggregate received from scarifying with power road roller of 8 to 10 tonne capacity.** | | | | | |
| 0114 | Details of cost for 100sqm. LABOUR | | | | | |
| | Beldar | **day** | 1.35 | 254.00 | 342.90 | |
| 0115 | Coolie Consolidation of scarified material 100sqm.x50mm = 5cum + Less 20% wastage = 1 cum. = 4 cum. | day | 1.08 | 265.00 | 286.20 | |
| 0003 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.13 | 2200.00 | 290.40 | |
| 0113 | Chowkidar | day | 0.13 | 267.00 | 35.24 | |
| 9999 | Sundries | L.S. | 5.46 | 1.80 | 9.83 | |
| | TOTAL | | | | 964.57 | |
| | Add 1 % Water charges | | | | 9.65 | |
| | TOTAL | | | | 974.22 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 136.88 | |
| | Total | | | | 1111.10 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 166.66 | |
| | TOTAL | | | | 1277.76 | |
| | Cost for 100 sqm. | | | | 1277.76 | |
| | Cost per sqm. | | | | 12.78 | |
| | add 1% labour cess | | | | 0.13 | |
| | Total | | | | 12.91 | |
| | Say | | | | 12.90 | |
| **16.1** | **Making bajri path including preparation of subgrade, supplying and laying brick aggregate of 50 mm nominal size 7.5 cm deep with blinding material consisting of 12 mm moorum and 12 mm red bajri consolidated with road roller.** | | | | | |
| | Details of cost for 100sqm.<br>Earth work in excavation including dressing etc 100x0.075=7.5cum. | | | | | |
| 2.6.1 | (Rate as per item no.2.6.1 of S.H. Earth work) | cum | 7.50 | 276.30 | 2072.24 | (A) |
| | Collection and stacking of brick aggregate 53mm nominal size 100x0.075 =7.50cum | | | | | |
| 0286 | Brick Aggregate (Single size) : 50 mm nominal size | cum | 7.50 | 1351.00 | 10132.50 | |
| 2260 | Carriage of Brick aggregate<br>Supply staking Red Bajri 100x0.012= 1.2 cum | cum | 7.50 | 0.00 | 0.00 | |
| 16.3.8 | Rate as per Item Number 16.3.8 of SH: Road Work<br>Collection and stacking of moorum at site 100x0.012 = 1.20cum. | cum | 1.20 | 1479.50 | 1775.41 | (A) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 16.3.10 | Rate as per Item Number 16.3.10 of SH: Road Work Spreading and consolidation of brick aggregate and blinding material etc | cum | 1.20 | 175.14 | 210.16 | (A) |
| | LABOUR | | | | | |
| 114 | Beldar | day | 1.95 | 254.00 | 495.30 | |
| 115 | Coolie | day | 2.63 | 265.00 | 696.95 | |
| 101 | Bhisti | day | 1.35 | 277.00 | 373.95 | |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.14 | 2200.00 | 297.00 | |
| 113 | Chowkidar | day | 0.14 | 267.00 | 36.05 | |
| 9999 | Sundries Spreading of red bajri, watering and rolling | L.S. | 20.15 | 1.80 | 36.27 | |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.05 | 2200.00 | 118.80 | |
| 113 | Chowkidar | day | 0.05 | 267.00 | 14.42 | |
| | TOTAL | | | | 16259.04 | |
| | Add 1 % Water charges on all except (A) | | | | 122.01 | |
| | TOTAL | | | | 16381.06 | |
| | Add GST 12% on "X" except all (A) ( multiplying factor 0.1405) | | | | 1731.42 | |
| | Total | | | | 18112.47 | |
| | Add 15 % Contractor's profit and overheads on all except (A) | | | | 2108.20 | |
| | Cost for 100 sqm. | | | | 20220.67 | |
| | Cost per sqm. | | | | 202.21 | |
| | add 1% labour cess | | | | 2.02 | |
| | Total | | | | 204.23 | |
| | Say | | | | 204.20 | |
| **16.11** | **Dry stone pitching 22.5 cm thick including supply of stones and preparing surface complete.** | | | | | |
| | Details of cost for 10 sqm. | | | | | |
| | MATERIAL | | | | | |
| 1158 | Stone for pitching 15 cm x 22.5 cm | cum | 2.25 | 591.94 | 1331.87 | |
| 2216 | Carriage of Stone blocks white & red sand stone & kota stone slab 2.25x2245/1000 = 5.05 t | tonne | 5.05 | 0.00 | 0.00 | |
| | LABOUR | | | | 0.00 | |
| 123 | Mason (brick layer) 1st class | day | 1.08 | 342.00 | 369.36 | |
| 124 | Mason (brick layer) 2nd class | day | 1.08 | 305.00 | 329.40 | |
| 114 | Beldar | day | 2.15 | 254.00 | 546.10 | |
| 115 | Coolie | day | 1.61 | 265.00 | 426.65 | |
| 9999 | Sundries | L.S. | 6.76 | 1.80 | 12.17 | |
| | TOTAL | | | | 3015.54 | |
| | Add 1 % Water charges | | | | 30.16 | |
| | TOTAL | | | | 3045.70 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 427.92 | |
| | Total | | | | 3473.62 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 521.04 | |
| | TOTAL | | | | 3994.66 | |
| | Cost for 10 sqm. | | | | 3994.66 | |
| | Cost per sqm. | | | | 399.47 | |
| | add 1% labour cess | | | | 3.99 | |
| | Total | | | | 403.46 | |
| | Say | | | | 403.50 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **16.12** | **Dry brick pitching half brick thick in drains including supply of bricks and preparing the surface complete :** | | | | | |
| **16.12.1** | **With common burnt clay F.P.S. (non modular) bricks of class designation 7.5** | | | | | |
| | Details of cost for 10 sqm. | | | | | |
| | MATERIAL | | | | | |
| 2602 | Common burnt clay F.P.S. (non modular) bricks class designation 7.5 | 1000 Nos | 0.65 | 5010.00 | 3231.45 | |
| 2201 | Carriage of Bricks | 1000 Nos | 0.65 | 0.00 | 0.00 | |
| | LABOUR | | | | 0.00 | |
| 123 | Mason (brick layer) 1st class | day | 0.40 | 342.00 | 136.80 | |
| 124 | Mason (brick layer) 2nd class | day | 0.40 | 305.00 | 122.00 | |
| 114 | Beldar | day | 1.08 | 254.00 | 274.32 | |
| | TOTAL | | | | 3764.57 | |
| | Add 1 % Water charges | | | | 37.65 | |
| | TOTAL | | | | 3802.22 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 534.21 | |
| | Total | | | | 4336.43 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 650.46 | |
| | TOTAL | | | | 4986.89 | |
| | Cost for 10 sqm. | | | | 4986.89 | |
| | Cost per sqm | | | | 498.69 | |
| | add 1% labour cess | | | | 4.99 | |
| | Total | | | | 503.68 | |
| | Say | | | | 503.70 | |
| **16.13** | **Cutting road and making good the same including supply of extra quantities of materials i.e. aggregate, moorum screening, red bajri and labour required.** | | | | | |
| 16.13.1 | **bituminous portion** | | | | | |
| | Details of cost for 1.08cum. (road 6 metreswide, 0.6 metre length wise and 0.30m (average depth) volume = 1.08 cum). | | | | | |
| | MATERIAL | | | | | |
| | Supplying and stacking stone aggregate 53mm to 24 mm nominal size at site. | | | | | |
| 16.3.3 | Rate as per Item Number 16.3.3 of SH: Road Work | cum | 0.09 | 583.50 | 52.51 | (A) |
| | Supplying and stacking red bajri at site | | | | | |
| 16.3.8 | Rate as per Item Number 16.3.8 of SH: Road Work | cum | 0.023 | 1479.50 | 34.03 | (A) |
| | Supplying and stacking moorum at site | | | | | |
| 16.3.10 | Rate as per Item Number 16.3.10 of SH: Road Work | cum | 0.022 | 175.14 | 3.85 | (A) |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size | cum | 0.092 | 620.42 | 57.08 | |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 0.092 | 0.00 | 0.00 | |
| 309 | Paving bitumen VG-10 of approved quality | tonne | 0.011 | 27549.41 | 303.04 | |
| 2211 | Carriage of Tar bitumen | tonne | 0.011 | 0.00 | 0.00 | |
| | LABOUR | | | | | |
| | For cutting road and taking out soling and metalling including sorting and screening | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 114 | Beldar | day | 0.96 | 254.00 | 243.84 |
| 115 | Coolie | day | 0.48 | 265.00 | 127.20 |
| | Relaying soling stone 3.6x0.15=0.54cum. | | | | |
| 114 | Beldar | day | 0.24 | 254.00 | 60.96 |
| 115 | Coolie Relaying road metal with extra quantity and consolidation to 0.10m, thickness 3.6x0.10=0.36cum. | day | 0.24 | 265.00 | 63.60 |
| 114 | Beldar | day | 0.71 | 254.00 | 180.34 |
| 115 | Coolie | day | 0.48 | 265.00 | 127.20 |
| 101 | Bhisti Painting two coats, 3.6sqm. including labour for spreading grit | day | 0.1 | 277.00 | 27.70 |
| 114 | Beldar | day | 0.48 | 254.00 | 121.92 |
| 115 | Coolie | day | 0.48 | 265.00 | 127.20 |
| 9999 | Barrier, chowkidar, sprayman, mate, etc. | L.S. | 40.43 | 1.80 | 72.77 |
| | TOTAL | | | | 1603.25 |
| | Add 1 % Water charges on all except (A) i.e. on (2242.87 - 187.78) = 2055.09 | | | | 15.13 |
| | TOTAL | | | | 1618.38 (X) |
| | Add GST 12% on 'X' except 'A'(multiplying factor 0.1405) | | | | 214.68 |
| | Total | | | | 1833.06 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" all except (A) i.e. on (2263.42 - 187.78) = 2075.64 | | | | 261.40 |
| | Cost for 1.08 cum. | | | | 2094.46 |
| | Cost per cum. | | | | 1939.32 |
| | add 1% labour cess | | | | 19.39 |
| | Total | | | | 1958.71 |
| | Say | | | | **1958.70** |

16.13.2 **Water bound macadam**

Details of cost for 0.90cum.
Consider a road 6 metres wide and 0.6m. lengthwise and 0.25m cm average depth =0.90cum.

| | | | | | |
|---|---|---|---|---|---|
| | MATERIAL | | | | |
| | Supplying and stacking stone aggregate 53mm to 24mm nominal size at site. | | | | |
| 16.3.3 | Rate as per Item Number 16.3.3 of SH: Road Work Supplying and stacking red bajri at site | cum | 0.09 | 583.50 | 52.51 (A) |
| 16.3.8 | Rate as per Item Number 16.3.8 of SH: Road Work Supplying and stacking moorum at site. | cum | 0.023 | 1479.50 | 34.03 (A) |
| 16.3.10 | Rate as per Item Number 16.3.10 of SH: Road Work | cum | 0.022 | 175.14 | 3.85 (A) |
| | LABOUR | | | | |
| | For cutting road and taking out soling and metalling including sorting and screening. | | | | |
| 114 | Beldar | day | 0.48 | 254.00 | 121.92 |
| 115 | Coolie | day | 0.24 | 265.00 | 63.60 |
| | For relaying soling stone 3.6x0.15=0.54cum. | | | | |
| 114 | Beldar | day | 0.24 | 254.00 | 60.96 |
| 115 | Coolie | day | 0.24 | 265.00 | 63.60 |
| | For relaying road metal with extra quantity and consolidation to 0.10m thickness - 3.6x0.10=0.36cum. | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 114 | Beldar | day | 0.48 | 254.00 | 121.92 | |
| 115 | Coolie | day | 0.48 | 265.00 | 127.20 | |
| 101 | Bhisti | day | 0.10 | 277.00 | 27.70 | |
| 9999 | Barrier and chowkidar etc. | L.S. | 53.82 | 1.80 | 96.88 | |
| | TOTAL | | | | 774.17 | |
| | Add 1 % Water charges on all except (A) i.e. on (1116.47 - 187.78) = 928.69 | | | | 6.84 | |
| | TOTAL | | | | 781.01 | (X) |
| | Add GST 12% on 'X' except 'A'(multiplying factor 0.1405) | | | | 97.03 | |
| | Total | | | | 878.04 | (Y) |
| | Add 15 % Contractor's profit and overheads on 'Y' except (A) i.e. on (1125.76 - 187.78) = 937.98 | | | | 118.15 | |
| | Cost for 0.90 cum. | | | | 996.19 | |
| | Cost per cum. | | | | 1106.88 | |
| | add 1% labour cess | | | | 11.07 | |
| | Total | | | | 1117.94 | |
| | Say | | | | 1117.90 | |
| 16.14 | **Cutting bajri paths and making good the same including supply of extra quantities of brick aggregate, moorum and red bajri required.** | | | | | |
| | Details of cost for 10 sqm. 10x0.075=0.75cum. | | | | | |
| | MATERIAL | | | | | |
| | Supplying and stacking 50mm brick aggregate at site(extra quantity) | | | | | |
| 286 | Brick Aggregate (Single size) : 50 mm nominal size | cum | 0.19 | 750 | 142.50 | |
| 2260 | Carriage of Brick aggregate Supplying and stacking red bajri at site | cum | 0.19 | 112.79 | 21.43 | |
| 16.3.8 | Rate as per Item Number 16.3.8 of SH: Road Supplying and stacking moorum at site | cum | 0.06 | 1514.35 | 90.86 | (A) |
| 16.3.10 | Rate as per Item Number 16.3.10 of SH: Road | cum | 0.06 | 643.2 | 38.59 | (A) |
| | LABOUR | | | | | |
| | For cutting, sorting out, spreading and consolidation of aggregate | | | | | |
| 114 | Beldar | day | 1.6 | 254.00 | 406.40 | |
| 115 | Coolie | day | 0.8 | 265.00 | 212.00 | |
| | TOTAL | | | | 911.78 | |
| | Add 1 % Water charges on all except (A) i.e. on (1176.58 - 129.45) = 1047.13 | | | | 7.82 | |
| | TOTAL | | | | 919.61 | (X) |
| | Add GST 12% on 'X' except 'A'(multiplying factor 0.1405) | | | | 129.20 | |
| | Total | | | | 1048.81 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" all except (A) i.e. on (1187.05 - 129.45) = 1057.6 | | | | 137.90 | |
| | Cost for 10 sqm. | | | | 1186.71 | |
| | Cost per sqm. | | | | 118.67 | |
| | add 1% labour cess | | | | 1.19 | |
| | Total | | | | 119.86 | |
| | Say | | | | 119.90 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **16.15** | **Supplying at site :** | | | | | |
| **16.15.1** | **R.C.C. Standards post/ struts/rails/ pales of mix 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or 6mm bar nibs wherever required as per direction of Engineer-in- charge (cost of earth works in excavation, concrete works in foundation to be paid separately).** | | | | | |
| | Details of cost for 10 posts = 0.336cum Cubical contents of one post Area bottom A1 = (15+12.5)/2 x8.75+½x3.14 x(6.25)² =120.31+61.38=181.69sqcm. Area bottom A2 = (10+7.5)/2 x6.25+½x 3.14 x(3.75)² sqm = 54.68+22.08 = 76.76 sqcm. (A1A2)^½ = 118.10sqcm A1+A2+(A1A2))^½ = 0.03766 sqm Volume = (1.05)/3x0.03766 = 0.01316 cum =0.0132cum. Volume of lower and square portion (16.5x16.5x75) / 100³ = 0.0204cum. Total volume = 0.0132+0.0204 cum '= 0.0336 cum. | | | | | |
| | Qty. for 10 post '= 0.0336x10 '= 0.336cum | | | | | |
| | Cement concrete 1:1.5:3 (1 Cement : 1.5 Coarse sand : 3 graded stone aggregate 12.5mm nominal size) | | | | | |
| 4.1.2 | Rate as per item no 4.1.2 of S.H. Concrete Work. Extra labour for laying cement concrete in RCC work | cum | 0.34 | 4634.93 | 1557.34 | (A) |
| 114 | Beldar | day | 0.03 | 254.00 | 8.64 | |
| 101 | Bhisti | day | 0.07 | 277.00 | 18.56 | |
| 123 | Mason (brick layer) 1st class | day | 0.01 | 342.00 | 4.45 | |
| 124 | Mason (brick layer) 2nd class | day | 0.01 | 305.00 | 3.97 | |
| 128 | Mate | day | 0.01 | 270.00 | 3.51 | |
| | M.S. Reinforcement 6mm dia. bars 10x4x1.88m = 75.20m+ 10x9x0.50m =45.00m = 120.20m 120.20m@0.22kg/m =26.44kg. | | | | | |
| 5.22.2 | Rate as per Item No.5.22.2 of SH: Reinforced cement concrete work Centering and shuttering | kg | 26.44 | 76.65 | 2026.50 | (A) |
| 5.9.1 | Rate as per item No.5.9.1 of SH : Reinforced cement concrete work6mm C.Plaster 1:2 (1 Cement : 2 fine sand) Details of cost for 9.88 sqm. (0.072)/10x9.88 = 0.071 | sqm | 6.99 | 184.43 | 1289.18 | (A) |
| 367 | Portland Cement (OPC-43 grade) | tonne | 0.05 | 5474.00 | 273.70 | |
| 2209 | Carriage of Cement | tonne | 0.05 | 0.00 | 0.00 | |
| 983 | Fine sand (zone IV) | cum | 0.07 | 117.66 | 8.24 | |
| 2261 | Carriage of Fine sand (1 : 2 ) | | 0.07 | 0.00 | 0.00 | |
| | LABOUR | | | | | |
| 114 | Beldar | day | 0.05 | 254.00 | 12.70 | |
| 101 | Bhisti | day | 0.02 | 277.00 | 5.54 | |
| 155 | Mason (average) | day | 0.64 | 305.00 | 195.20 | |
| 115 | Coolie | day | 0.80 | 277.00 | 221.60 | |
| 101 | Bhisti | day | 0.27 | 277.00 | 74.79 | |
| 9999 | Hire and running charges of mixer | L.S. | 1.95 | 1.80 | 3.51 | |
| 9999 | Extra for removing burr, cleaning with wire brushes, pock making with pointed tool etc. complete | L.S. | 13.26 | 1.80 | 23.87 | |
| 9999 | Scaffolding and sundries | L.S. | 11.57 | 1.80 | 20.83 | |
| 9977 | Carriage of RCC posts | | 53.82 | 1.80 | 96.88 | |
| 9999 | Wooden plugs or 6mm bar nibs | L.S. | 12.22 | 1.80 | 22.00 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Sundries | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 5895.31 | |
| | Add 1 % Water charges on all except (A) i.e. on (6430.91 - 5109.94) = 1320.97 | | | | 10.22 | |
| | TOTAL | | | | 5905.53 | (X) |
| | Add GST 12% on 'X' except 'A'(multiplying factor 0.1405) | | | | 145.07 | |
| | TOTAL | | | | 6050.60 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" all except (A) i.e. on (6444.12 '- 5109.94) = 1334.18 | | | | 176.64 | |
| | Cost for 0.336 cum | | | | 6227.24 | |
| | Cost for one cum | | | | 18533.45 | |
| | add 1% labour cess | | | | 185.33 | |
| | Total | | | | 18718.79 | |
| | Say | | | | 18718.80 | |
| 16.15.2 | **Welded steel wire fabric of required width having rectangular mesh painted with two or more coats of enamel paint of approved shade over a coat of primer (Priming & Painting to be paid for separately).** | | | | | |
| | Details of cost for 27 sqm (209.25 kg). | | | | | |
| | MATERIAL | | | | | |
| | Steel wire fabric 0.9m wide rectangular mesh 75x25mm size weight not less than 7.75kg/sqm. 30x0.9 = 27sqm | | | | | |
| 1021 | Hard drawn steel wire fabric | sqm | 27.00 | 372.29 | 10051.81 | |
| 2314 | Carriage of Barbed wire 7.75x27=209.25kg=0.209tonne | tonne | 0.21 | 96.07 | 20.08 | |
| | TOTAL | | | | 10071.89 | |
| | Add 1 % Water charges | | | | 100.72 | |
| | TOTAL | | | | 10172.61 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1429.25 | |
| | Total | | | | 11601.86 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1740.28 | |
| | Cost for 209.25 kg | | | | 13342.14 | |
| | Cost per kg. | | | | 63.76 | |
| | add 1% labour cess | | | | 0.64 | |
| | Total | | | | 64.40 | |
| | Say | | | | 64.40 | |
| 16.16 | **Supplying and fixing turn buckles and straining bolts for barbed wire fencing.** | | | | | |
| | Details of cost for one set | | | | | |
| | MATERIAL | | | | | |
| 1030 | Galvanised steel turn buckles | each | 1.00 | 13.96 | 13.96 | |
| 1028 | Straining bolts | each | 1.00 | 60.50 | 60.50 | |
| 9977 | Carriage of turn buckles and straining bolts Labour for fixing straining bolts and turn buckles | L.S. | 2.73 | 1.80 | 4.91 | |
| 103 | Blacksmith 2nd class | day | 0.10 | 305.00 | 30.50 | |
| | TOTAL | | | | 109.87 | |
| | Add 1 % Water charges | | | | 1.10 | |
| | TOTAL | | | | 110.97 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 15.59 | |
| | Total | | | | 126.56 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 18.98 | |
| | Cost per set | | | | 145.55 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | add 1% labour cess | | | | 1.46 |
| | Total | | | | 147.00 |
| | Say | | | | 147.00 |

**16.17 Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizontal lines and two diagonals of barbed wire weighing 9.38 kg per 100 metres (minimum), between the two posts fitted and fixed with G.I. staples on wooden plugs or G.I. binding wire tied to 6 mm bar nibs fixed while casting the post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately) :- Payment to be made per metre cost of total length of barbed wire used**

**16.17.1 16.1.1 With G.I. barbed wire**

Details of cost for 30m

MATERIAL

G.I. barbed wire 30x9 = 270m + 10x6.32 = 63m Total = 333m 333m @9.38kg/100m =31.24kg = 0.31q

| | | | | | |
|---|---|---|---|---|---|
| 1029 | Galvanised steel barbed wire | quintal | 0.31 | 4467.47 | 1384.92 |
| 2314 | Carriage of Barbed wire | tonne | 0.03 | 96.07 | 2.88 |
| 9999 | G.I. staples or binding wire | L.S. | 49.4 | 1.80 | 88.92 |
| | LABOUR | | | | |
| | Labour for fixing costs in line, fixing and stretching wire | | | | |
| 123 | Mason (brick layer) 1st class | day | 0.12 | 342.00 | 41.04 |
| 124 | Mason (brick layer) 2nd class | day | 0.12 | 305.00 | 36.60 |
| 114 | Beldar | day | 0.5 | 254.00 | 127.00 |
| 102 | Blacksmith 1st class | day | 0.5 | 342.00 | 171.00 |
| 103 | Blacksmith 2nd class | day | 0.5 | 305.00 | 152.50 |
| 9999 | Sundries | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 2029.19 |
| | Add 1 % Water charges | | | | 20.29 |
| | TOTAL | | | | 2049.49 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 287.95 |
| | Total | | | | 2337.44 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 350.62 |
| | Cost for 333m | | | | 2688.06 |
| | Cost per m | | | | 8.07 |
| | add 1% labour cess | | | | 0.08 |
| | Total | | | | 8.15 |
| | Say | | | | 8.20 |

**16.18 Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used.**

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **16.18.1** | **With G.I. barbed wire** | | | | | |
| | Details of cost for 30m | | | | | |
| | MATERIAL | | | | | |
| | G.I. barbed wireb 30x9 = 270.00m 2x10x(12+32)1/2 = 63.24 '= 333.24m 333.24m @ 9.38kg/100m '=31.26 kg say 0.31 q | | | | | |
| 1029 | Galvanised steel barbed wire | quintal | 0.31 | 4467.47 | 1384.92 | |
| 2314 | Carriage of Barbed wire Supplying and fixing Turn buckle & staple | tonne | 0.03 | 96.07 | 2.98 | |
| 16.16 | Rate as per Item Number 16.16 of SH: Road Work | each set | 10.00 | 145.55 | 1455.46 | (A) |
| 9999 | G.I. staples Labour for fixing posts in line and fixing and stretching wire: | L.S. | 49.40 | 1.80 | 88.92 | |
| 123 | Mason (brick layer) 1st class | **day** | 0.12 | 342.00 | 41.04 | |
| 124 | Mason (brick layer) 2nd class | day | 0.12 | 305.00 | 36.60 | |
| 114 | Beldar | day | 0.50 | 254.00 | 127.00 | |
| 102 | Blacksmith 1st class | **day** | 0.50 | 342.00 | 171.00 | |
| 103 | Blacksmith 2nd class | **day** | 0.50 | 305.00 | 152.50 | |
| | TOTAL | | | | 3460.42 | |
| | Add 1 % Water charges on all except (A) | | | | 20.05 | |
| | TOTAL | | | | 3480.47 | (X) |
| | Add GST 12% on 'X' except 'A'(multiplying factor 0.1405) | | | | 284.51 | |
| | TOTAL | | | | 3764.98 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" all except (A) i.e. on (3867.92 -1504.50 )'= 2363.42 | | | | 346.43 | |
| | TOTAL | | | | **4111.41** | |
| | Cost for 333.24m Cost per m | | | | 12.34 | |
| | add 1% labour cess | | | | 0.12 | |
| | Total | | | | 12.46 | |
| | Say | | | | 12.50 | |
| 16.19 | **Supplying at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.** | | | | | |
| | Details of cost for 1 qunital | | | | | |
| | MATERIAL | | | | | |
| | M.S. angle = 1.00 qtl. Add 5% wastage = 0.05 qtl.Total = =1.05 qtl | | | | | |
| 1007 | Structurals such as tees,angles channels and R.S. joists | quintal | 1.05 | 4326.00 | 4542.30 | |
| 2205 | Carriage of Steel | tonne | 0.11 | 96.07 | 10.09 | |
| | LABOUR | | | | | |
| 103 | Blacksmith 2nd class | day | 0.75 | 305.00 | 228.75 | |
| 114 | Beldar | day | 0.50 | 254.00 | 127.00 | |
| | For spotting, bending of angle and drilling holes etc. : | | | | | |
| 103 | Blacksmith 2nd class | day | 1.00 | 305.00 | 305.00 | |
| 114 | Beldar | day | 1.00 | 254.00 | 254.00 | |
| 9999 | Sundries such as drilling bit etc. | L.S. | 19.76 | 1.80 | 35.57 | |
| | TOTAL | | | | 5502.71 | |
| | Add 1 % Water charges | | | | 55.03 | |
| | TOTAL | | | | 5557.73 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 780.86 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Total | | | | 6338.59 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 950.79 | |
| | Cost for 1 qunital | | | | 7289.38 | |
| | Cost of one kg | | | | 72.89 | |
| | add 1% labour cess | | | | 0.73 | |
| | Total | | | | 73.62 | |
| | Say | | | | 73.60 | |
| **16.20** | **Welded steel wire fabric fencing with posts of specified material and of standard design placed and embedded in cement concrete blocks 45x45x 60 cm of mix 1:5:10 (1 cement:5 fine sand : 10 graded stone aggregate 40 mm nominal size), every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and struts embedded in cement concrete blocks 70x45x50 cm of the same mix, provided with welded steel wire fabric fixed between the posts fitted and fixed with G.I. staples on wooden plugs or tied to 6 mm bar nibs with G.I. binding wire (cost of posts, welded steel wire fabric, painting, earth work in excavation and concrete to be paid for separately).** | | | | | |
| | Details of cost for 30 metres i.e.30x1.20 =36.00sqm | | | | | |
| | Labour for fixing posts in line fixing and stretching - welded wire fabric : | | | | | |
| 123 | Mason (brick layer) 1st class | day | 0.12 | 342.00 | 41.04 | |
| 124 | Mason (brick layer) 2nd class | day | 0.12 | 305.00 | 36.60 | |
| 114 | Beldar | day | 0.5 | 254.00 | 127.00 | |
| 102 | Blacksmith 1st class | day | 0.5 | 342.00 | 171.00 | |
| 103 | Blacksmith 2nd class | day | 0.5 | 305.00 | 152.50 | |
| 9999 | G.I. staple or binding wire | L.S. | 53.82 | 1.80 | 96.88 | |
| 9999 | Sundries | L.S. | 53.82 | 1.80 | 96.88 | |
| | TOTAL | | | | 721.89 | |
| | Add 1 % Water charges | | | | 7.22 | |
| | TOTAL | | | | 729.11 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 102.44 | |
| | Total | | | | 831.55 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 124.73 | |
| | Cost for 36 sqm | | | | 956.28 | |
| | Cost per sqm | | | | 26.56 | |
| | add 1% labour cess | | | | 0.27 | |
| | Total | | | | 26.83 | |
| | Say | | | | 26.80 | |
| 16.21 | **Engraving letters in hard stone** | | | | | |
| | Details of cost for 6 letters 8 cm height | | | | | |
| | LABOUR | | | | | |
| | For Engraving stone- | | | | | |
| 126 | Mason (for ornamental stone work) 1st class | day | 0.38 | 342.00 | 129.96 | |
| 9999 | Sundries | L.S. | 6.76 | 1.80 | 12.17 | |
| | TOTAL | | | | 142.13 | |
| | Add 1 % Water charges | | | | 1.42 | |
| | TOTAL | | | | 143.55 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 20.17 | |
| | Total | | | | 163.72 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 24.56 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost of 6 letters of 8cm heights | | | | 188.28 | |
| | Cost per cm. height per letter | | | | 3.92 | |
| | add 1% labour cess | | | | 0.04 | |
| | Total | | | | 3.96 | |
| | Say | | | | 4.00 | |
| **16.22** | **Providing and fixing 15x15x90 cm boundary stone of hard stone with top 30 cm chisel dressed on all four sides including top (cost of excavation, refilling and concrete etc. to be paid for separately).** | | | | | |
| | Details of cost for one stone | | | | | |
| 1151 | Boundry stone top chisel dressed 15x15x90 cm | each | 1.00 | 65.15 | 65.15 | |
| | Labour for fixing | | | | | |
| 114 | Beldar | day | 0.12 | 254.00 | 30.48 | |
| 9977 | Carriage to site | L.S. | 4.16 | 1.80 | 7.49 | |
| | TOTAL | | | | 103.12 | |
| | Add 1 % Water charges | | | | 1.03 | |
| | TOTAL | | | | 104.15 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 14.63 | |
| | Total | | | | 118.78 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 17.82 | |
| | Cost of each. | | | | 136.60 | |
| | add 1% labour cess | | | | 1.37 | |
| | Total | | | | 137.97 | |
| | Say | | | | 138.00 | |
| 16.23 | **Providing and fixing 15 cm dia at top, 20 cm at bottom and 90 cm high precast reinforced cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) boundary stone as per standard design, including finishing smooth with cement mortar 1:3 (1 cement : 3 fine sand) (cost of excavation, refilling and concreting to be paid for separately).** | | | | | |
| | Details of cost for one stone | | | | | |
| | (i) Cement concrete 1:1½:3 (1 cement : 1½ Coarse sand : 3 graded stone aggregate 20mm nominal size) Volume of frustum of cone: L/3 x [A1+A2+sqrt(A1A2)] = 0.825/3 x [$0.095^2$+$0.075^2$ + sqrt(0.095 x $0.075^2$)]x3.142 =0.01882 (A) Volume of hemi sphere: ½ x 4 /3 x PI x $r^3$ =½x(4/3)x(22/7)x$0.075^3$=0.00100 (B) Total volume = A+B = 0.01982 Say 0.02cum | | | | | |
| 4.1.2 | Rate as per item no 4.1.2 of S.H. Concrete Work. | cum | 0.020 | 4634.93 | 92.70 | (A) |
| | (ii) Extra for laying cement concerte in RCC work | | | | | |
| | LABOUR | | | | | |
| 114 | Beldar | day | 0.002 | 254.00 | 0.51 | |
| 101 | Bhisti | day | 0.004 | 277.00 | 1.11 | |
| 123 | Mason (brick layer) 1st class | day | 0.001 | 342.00 | 0.27 | |
| 124 | Mason (brick layer) 2nd class | day | 0.001 | 305.00 | 0.24 | |
| 128 | Mate | day | 0.001 | 270.00 | 0.22 | |
| | (iii) M.S. reinforcement- 6mm dia. Bar 5.99 metre =5.99x0.22 =1.32kg. | | | | | |
| 5.22.1 | Rate as per item no. 5.22.1 of SH : RCC work | kg | 1.320 | 76.65 | 101.17 | A |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | (iv) Centering and shuttering- 1/2x3.142 (0.19+0.15)x0.825 =0.441 + 3.142/4(0.19)² =0.028 + 1/2x4x3.142(0.075)² = 0.035 = 0.504 Say 0.50sqm. | | | | |
| 5.9.1 | Rate as per item No.5.9.1 of SH : Reinforced cement concrete work | sqm | 0.500 | 184.43 | 92.22 A |
| | (v) 6mm cement plaster 1:3 (1 Cement : 3 fine sand)- 1/2x3.142 (0.19+0.15)x0.825 =0.44 +3.142/4(0.19)² =0.028 + 1/2x4x3.142(0.075)² = 0.035 = 0.504 Say 0.50sqm | | | | |
| | MATERIAL | | | | |
| 367 | Portland Cement (OPC-43 grade) | tonne | 0.002 | 5474.00 | 9.85 |
| 2209 | Carriage of Cement | tonne | 0.002 | 0.00 | 0.00 |
| 983 | Fine sand (zone IV) | cum | 0.039 | 117.66 | 4.53 |
| 2261 | Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand) | cum | 0.039 | 0.00 | 0.00 |
| | Labour for mortar | | | | |
| 114 | Beldar | day | 0.003 | 254.00 | 0.69 |
| 101 | Bhisti | day | 0.000 | 277.00 | 0.06 |
| 9999 | Hire and running charges of mixer | L.S. | 0.100 | 1.80 | 0.18 |
| 9999 | Sundries | L.S. | 0.050 | 1.80 | 0.09 |
| | Labour for plaster | | | | |
| 155 | Mason (average ) | day | 0.026 | 305.00 | 7.93 |
| 115 | Coolie | day | 0.038 | 265.00 | 10.07 |
| 101 | Bhisti | day | 0.046 | 277.00 | 12.74 |
| 9999 | Extra for removing burr | L.S. | 0.680 | 1.80 | 1.22 |
| 9999 | Scaffolding, sundries etc. | L.S. | 0.600 | 1.80 | 1.08 |
| | (vi) Labour for fixing | | | | |
| 114 | Beldar | day | 0.120 | 254.00 | 30.48 |
| 9977 | Carriage to site | L.S. | 4.160 | 1.80 | 7.49 |
| | TOTAL | | | | 374.84 |
| | Add 1 % Water charges on all except (A) i.e. on (435.36 - 288.47) = 146.89 | | | | 0.89 |
| | TOTAL | | | | 375.73 (X) |
| | Add GST 12% on 'X' except 'A'(multiplying factor 0.1405) | | | | 12.60 |
| | TOTAL | | | | 388.33 (Y) |
| | Add 15 % Contractor's profit and overheads on all except (A) i.e. on (436.83 - 288.47) = 148.36 | | | | 15.34 |
| | Cost of each. | | | | 403.66 |
| | add 1% labour cess | | | | 4.04 |
| | Total | | | | 407.70 |
| | Say | | | | 407.70 |

16.24 **Providing and fixing precast reinforced cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) kilometre stone as per standard design, including finishing smooth in 1:3 cement mortar (1 cement : 3 fine sand) but excluding the cost of earth work, concrete in foundation, painting and lettering etc. which shall be paid for separately.**

16.24.1 **35x111x25 cm size**

Details of cost for one stone

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | (i) Cement concrete 1:1.5:3 (1 cement :1.5 Coarse sand :3 graded stone aggregate 20mm nominal size) in Kilometre stone 0.35x0.25x0.835m = 0.073 0.37x0.27x0.10m = 0.010 1/2x22/7x(0.175)²x0.25m = 0.012 = 0.095cum Say 0.10cum. | | | | |
| 4.1.2 | Rate as per item no 4.1.2 of S.H. Concrete Work. | cum | 0.1 | 4634.93 | 463.49 (A) |
| | (ii) Extra for laying cement concrete in RCC work | | | | |
| 114 | Beldar | **day** | 0.01 | 254.00 | 2.54 |
| 101 | Bhisti | **day** | 0.02 | 277.00 | 5.54 |
| 123 | Mason (brick layer) 1st class | **day** | 0.004 | 342.00 | 1.37 |
| 124 | Mason (brick layer) 2nd class | **day** | 0.004 | 305.00 | 1.22 |
| 128 | Mate | **day** | 0.004 | 270.00 | 1.08 |
| | (iii) M.S. reinforcement- 0.10cum @48.06kg/cum. =4.806kg. Say 4.81kg. | | | | |
| 5.22.1 | Rate as per item no. 5.22.1 of SH : Reinforced cement concrete work | kg | 4.81 | 76.65 | 368.66 (A) |
| | (iv) Centering and shuttering- (0.35+2x0.25)x0.835 = 0.710 sqm 0.35x0.25 = 0.088sqm (0.37+2x0.27)x0.10 = 0.091sqm 2x0.37x0.01 = 0.007 sqm 2x2x0.25x0.1 = 0.010sqm 1/2x3.142/4x(0.35)² = 0.048sqm 1/2x0.35x0.25x3.142 = 0.138sqm. = 1.092sqm. Say 1.09 sqm | | | | |
| 5.9.1 | Rate as per item No.5.9.1 of SH : Reinforced cement concrete work | sqm | 1.09 | 184.43 | 201.03 (A) |
| | (v) 6mm cement plaster 1:3 (1 Cement : 3 fine sand)- Qty. as per centering and shuttering = 1.092sqm 0.35x0.835 = 0.292sqm 0.37x0.10 = 0.037sqm 1/2x3.142/4x(0.35)²= 0.048sqm 2x0.37x0.01 = 0.007 sqm = 1.476 sqm Say 1.48 sqm | | | | |
| 367 | Portland Cement (OPC-43 grade) | tonne | 0.054 | 5474.00 | 295.60 |
| 2209 | Carriage of Cement | tonne | 0.054 | 0 | 0.00 |
| 983 | Fine sand (zone IV) | cum | 0.011 | 117.66 | 1.29 |
| 2261 | Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand) | | 0.011 | 0 | 0.00 |
| | Labour for mortar | | | | |
| 114 | Beldar | day | 0.008 | 254.00 | 2.03 |
| 101 | Bhisti | day | 0.0007 | 277.00 | 0.19 |
| 9999 | Hire and running charges of mixer | L.S. | 0.03 | 1.80 | 0.05 |
| 9999 | Sundries | L.S. | 0.13 | 1.80 | 0.23 |
| | Labour for plaster | | | | |
| 155 | Mason (average) | day | 0.075 | 305.00 | 22.88 |
| 115 | Coolie | day | 0.111 | 265.00 | 29.42 |
| 101 | Bhisti | day | 0.136 | 277.00 | 37.67 |
| 9999 | Extra for removing burr | L.S. | 1.95 | 1.80 | 3.51 |
| 9999 | Scaffolding, sundries etc. | L.S. | 1.82 | 1.80 | 3.28 |
| | (vi) Labour for fixing | | | | |
| 114 | Beldar | day | 0.2 | 254.00 | 50.80 |
| 9977 | Carriage to site | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 1516.22 |
| | Add 1 % Water charges on all except (A) | | | | 4.83 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 1521.05 | (X) |
| | Add GST 12% on 'X' except 'A'(multiplying factor 0.1405) | | | | 68.55 | |
| | TOTAL | | | | 1589.60 | (Y) |
| | Add 15 % Contractor's profit and overheads on 'Yexcept (A) i.e. on (436.83 - 288.47) = 148.36 | | | | 83.46 | |
| | Cost per stone | | | | 1673.06 | |
| | add 1% labour cess | | | | 16.73 | |
| | Total | | | | 1689.79 | |
| | Say | | | | 1689.80 | |
| 16.24.2 | **50x152.5x25 cm size** | | | | | |
| | Details of cost for one stone<br>(i) Cement concrete 1:1.5:3 (1 cement :1.5 Coarse sand :3 graded stone aggregate 20mm nominal size)<br>0.50x0.25x1.145m = 0.143cum. + 0.52x0.27x0.13m = 0.018cum. +<br>1/2x22/7x(0.25)²x0.25m = 0.025cum.<br>= 0.186 cum. Say 0.19cum. | | | | | |
| 4.1.2 | Rate as per item no 4.1.2 of S.H. Concrete Work. | **cum** | 0.19 | 4634.93 | 880.64 | (A) |
| | (ii) Extra for laying cement concrete in RCC work | | | | | |
| 114 | Beldar | **day** | 0.019 | 254.00 | 4.83 | |
| 101 | Bhisti | **day** | 0.038 | 277.00 | 10.53 | |
| 123 | Mason (brick layer) 1st class | **day** | 0.008 | 342.00 | 2.74 | |
| **124** | **Mason (brick layer) 2nd class** | **day** | 0.008 | 305.00 | 2.44 | |
| 128 | Mate | **day** | 0.008 | 270.00 | 2.16 | |
| | (iii) M.S. reinforcement- 0.19cum @48.06kg/cum. =9.131kg. Say 9.13 kg. | | | | 0.00 | |
| 5.22.1 | Rate as per item no. 5.22.1 of SH : Reinforced cement concrete work | kg | 9.13 | 76.65 | 699.77 | (A) |
| | (iv) Centering and shuttering- (0.50+2x0.25)x1.145 = 1.145 sqm 1/2x(0.25)²x3.142 = 0.098 3.142(0.25)x(0.25) =0.196 (0.52+2x0.27)x0.13 =0.138 2x0.52x0.01 =0.10 2x2x0.25x0.01 =0.010 1x0.50x0.25 =0.125 | | | | | |
| 5.9.1 | Rate as per item No.5.9.1 of SH : Reinforced cement concrete work | sqm | 1.72 | 184.43 | 317.22 | (A) |
| | (v) 6mm cement plaster 1:3 (1 Cement : 3 fine sand)- Qty. as per centering and shuttering '= 1.722sqm. + 0.50x1.145 = 0.572 + 0.52x0.13 = 0.068sqm. + 1/2x(0.25)²x3.142 = 0.098 + 2x0.52x001 = 0.010 '= 2.470sqm Sq. 2.47 sqm. =1.722sqm. Say 1.72 sqm | | | | | |
| | MATERIAL | | | | | |
| 367 | Portland Cement (OPC-43 grade) | tonne | 0.09 | 5474.00 | 492.66 | |
| 2209 | Carriage of Cement | tonne | 0.09 | 0.00 | 0.00 | |
| 983 | Fine sand (zone IV) | cum | 0.2 | 117.66 | 23.53 | |
| 2261 | Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand) | | 0.2 | 0 | 0.00 | |
| | Labour for mortar | | | | | |
| 114 | Beldar | day | 0.013 | 254.00 | 3.30 | |
| 101 | Bhisti | day | 0.001 | 277.00 | 0.28 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 9999 | Hire and running charges of mixer | day | 0.52 | 1.80 | 0.94 |
| 9999 | Sundries | | 0.26 | 1.80 | 0.47 |
| | Labour for plaster | | | | |
| 155 | Mason (average) | day | 0.126 | 305.00 | 38.43 |
| 115 | Coolie | day | 0.185 | 265.00 | 49.03 |
| 101 | Bhisti | day | 0.227 | 277.00 | 62.88 |
| 9999 | Extra for removing burr | L.S | 3.38 | 1.80 | 6.08 |
| 9999 | Scaffolding, sundries etc. | L.S | 2.86 | 1.80 | 5.15 |
| | (vi) Labour for fixing | | | | 0.00 |
| 114 | Beldar | | 0.2 | 254.00 | 50.80 |
| 9977 | Carriage to site | | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 2678.20 |
| | Add 1 % Water charges on all except (A) | | | | 7.81 |
| | TOTAL | | | | 2686.00 (X) |
| | Add GST 12% on 'X' except 'A'(multiplying factor 0.1405) | | | | 110.77 |
| | TOTAL | | | | 2796.77 (Y) |
| | Add 15 % Contractor's profit and overheads on 'Yexcept (A) | | | | 134.87 |
| | Cost per stone | | | | 2931.64 |
| | add 1% labour cess | | | | 29.32 |
| | Total | | | | 2960.96 |
| | Say | | | | 2961.00 |

**16.25 Surface dressing on new surface with paving bitumen of grade VG - 10 of approved quality using 2.25 kg of bitumen per sqm with 1.65 cum of stone chippings 13.2 mm nominal size per 100 sqm of road surface, including consolidation with road roller of 6 to 8 tonne capacity etc. complete:**

Details of cost for 100 sqm.
MATERIAL

Bitumen S-90@2.25kg per sqm. =225 kg
= 0.225 tonne.

| | | | | | |
|---|---|---|---|---|---|
| 309 | Paving bitumen VG-10 of approved quality | tonne | 0.225 | 27549.41 | 6198.62 |
| 2211 | Carriage of Tar bitumen Stone aggregate 13.2mm nominal size @ 1.65cum. per 100sqm | tonne | 0.225 | 0 | 0.00 |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size | cum | 1.65 | 649.26 | 1071.28 |
| | Carriage of Stone aggregate below 40 mm nominal size | | | | |
| 2202 | Steam coal for heating bitumen @2 quintal per tonne of bitumen = 2x0.225=0.450q | cum | 1.65 | 0 | 0.00 |
| 370 | Coal (steam) | quintal | 0.45 | 372.29 | 167.53 |
| 2200 | Carriage of steam coal Labour for cleaning the road surface, heating and spraying bitumen and aggregate | tonne | 0.045 | 123.51 | 5.56 |
| | (a) For cleaning : | | | | |
| 128 | Mate | day | 0.11 | 270.00 | 29.70 |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 |
| 115 | Coolie | day | 1.4 | 265.00 | 371.00 |
| | (b) For heating and spraying bitumen : | | | | |
| 130 | Mistry | day | 0.08 | 254.00 | 20.32 |
| 138 | Sprayer (for bitumen, tar etc.) | day | 0.11 | 267.00 | 29.37 |
| 114 | Beldar | day | 0.93 | 254.00 | 236.22 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | (c) For screening and spreading aggregate : | | | | |
| 128 | Mate | day | 0.11 | 270.00 | 29.70 |
| 114 | Beldar | day | 0.93 | 254.00 | 236.22 |
| 115 | Coolie | day | 1.55 | 265.00 | 410.75 |
| | (d) Consolidation Charges | | | | |
| 113 | Chowkidar | day | 0.27 | 267.00 | 72.09 |
| 101 | Bhisti | day | 0.11 | 277.00 | 30.47 |
| 0003 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.11 | 2200.00 | 242.00 |
| 0001 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.12 | 800 | 96.00 |
| 0007 | Hire charges of Coaltar Sprayer | day | 0.11 | 250.00 | 27.50 |
| | (e) Misc: | | | | |
| 0364 | Wire brush | each | 0.11 | 18.61 | 2.05 |
| 0365 | Soft brush | each | 0.32 | 16.75 | 5.36 |
| 9999 | Brooms and gunny bags | L.S. | 6.76 | 1.80 | 12.17 |
| 9999 | Sundries | L.S. | 6.76 | 1.80 | 12.17 |
| | TOTAL | | | | 9661.67 |
| | Add 1 % Water charges | | | | 96.62 |
| | TOTAL | | | | 9758.29 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1371.04 |
| | Total | | | | 11129.33 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1669.40 |
| | TOTAL | | | | 12798.72 |
| | Cost for 100 Sqm. | | | | 12798.72 |
| | Cost per Sqm. | | | | 127.99 |
| | add 1% labour cess | | | | 1.28 |
| | Total | | | | 129.27 |
| | Say | | | | 129.30 |

**16.26 Surface dressing on new surface in two coats with bitumen of grade VG -10 of approved quality using 1.8 kg of bitumen per sqm with 1.5 cum of stone chippings 13.2 mm nominal size per 100 sqm of road surface for first coat and 1.1 kg. of bitumen per sqm with 1.00 cu. metre of stone chippings 11.2 mm nominal size per 100 sqm of road surface for second coat, including consolidation of each coat separately with road roller of 6 to 8 tonne capacity etc. complete.**

Details of cost for 100 sqm.
MATERIAL
Bitumen S-90/A-90 @ 1.8kg/sqm.=180kg.=0.18 tonne

| | | | | | |
|---|---|---|---|---|---|
| 309 | Paving bitumen VG-10 of approved quality | tonne | 0.18 | 27549.41 | 4958.89 |
| 2211 | Carriage of Tar bitumen | tonne | 0.18 | 0 | 0.00 |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size | cum | 1.5 | 649.26 | 973.89 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size Steam coal for heating bitumen @2 qunital per tonne | cum | 1.5 | 0 | 0.00 |
| 370 | Coal (steam) | quintal | 0.36 | 372.29 | 134.02 |
| 2200 | Carriage of steam coal Labour for cleaning the road surface, heating and spraying bitumen and aggregate | tonne | 0.036 | 123.51 | 4.45 |
| | (a) For cleaning : | | | | 0.00 |
| 128 | Mate | day | 0.11 | 270.00 | 29.70 |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 |
| 115 | Coolie | day | 1.4 | 265.00 | 371.00 |
| | (b) For heating and spraying bitumen : | | | | 0.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 130 | Mistry | day | 0.08 | 254.00 | 20.32 |
| 138 | Sprayer (for bitumen, tar etc.) | day | 0.11 | 267.00 | 29.37 |
| 114 | Beldar | day | 1.38 | 265.00 | 365.70 |
| | (c) For screening and spreading aggregate : | | | | 0.00 |
| 128 | Mate | day | 0.27 | 270.00 | 72.90 |
| 114 | Beldar | day | 0.85 | 254.00 | 215.90 |
| 115 | Coolie | day | 0.85 | 265.00 | 225.25 |
| | (d) Consolidation Charges | | | | 0.00 |
| 113 | Chowkidar | day | 0.11 | 267.00 | 29.37 |
| 101 | Bhisti | day | 0.11 | 277.00 | 30.47 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.11 | 2200.00 | 242.00 |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.12 | 800 | 96.00 |
| 7 | Hire charges of Coaltar Sprayer | day | 0.11 | 250.00 | 27.50 |
| | (e) Misc: | | | | 0.00 |
| 364 | Wire brush | each | 0.11 | 18.61 | 2.05 |
| 365 | Soft brush | each | 0.32 | 16.75 | 5.36 |
| 9999 | Brooms and gunny bags | L.S. | 6.76 | 1.80 | 12.17 |
| 9999 | Sundries | L.S. | 16.38 | 1.80 | 29.48 |
| | Second Coat | | | | 0.00 |
| | MATERIAL | | | | 0.00 |
| | Bitumen S-90/A-90 @ 1.10kg per sqm = 110kg.=0.11 tonne | | | | 0.00 |
| 309 | Paving bitumen VG-10 of approved quality | tonne | 0.11 | 27549.41 | 3030.44 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size | cum | 1 | 620.42 | 620.42 |
| 2211 | Carriage of Tar bitumen | tonne | 0.11 | 0 | 0.00 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size<br>Steam coal for heating bitumen @2 qunital per tonne of bitumen | cum | 1 | 0 | 0.00 |
| 370 | Coal (steam) | quintal | 0.22 | 372.29 | 81.90 |
| 2200 | Carriage of steam coal | tonne | 0.022 | 123.51 | 2.72 |
| | Labour for cleaning the road surface, heating and spraying bitumen and aggregate | | | | 0.00 |
| | (a) For cleaning and brushing loose chips: | | | | 0.00 |
| 128 | Mate | day | 0.06 | 270.00 | 16.20 |
| 115 | Coolie | day | 0.97 | 265.00 | 257.05 |
| | (b) For heating and spraying bitumen : | | | | 0.00 |
| 130 | Mistry | day | 0.05 | 254.00 | 12.70 |
| 138 | Sprayer (for bitumen, tar etc.) | day | 0.07 | 267.00 | 18.69 |
| 114 | Beldar | day | 0.75 | 254.00 | 190.50 |
| | (c) For screening and spreading aggregate : | | | | 0.00 |
| 128 | Mate | day | 0.07 | 270.00 | 18.90 |
| 114 | Beldar | day | 0.62 | 254.00 | 157.48 |
| 115 | Coolie | day | 0.62 | 265.00 | 164.30 |
| | (d) Consolidation Charges | | | | 0.00 |
| 113 | Chowkidar | day | 0.15 | 267.00 | 40.05 |
| 101 | Bhisti | day | 0.06 | 277.00 | 16.62 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.06 | 2200.00 | 132.00 |
| 7 | Hire charges of Coaltar Sprayer | day | 0.07 | 250.00 | 17.50 |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.06 | 800 | 48.00 |
| | (e) Misc: | | | | 0.00 |
| 364 | Wire brush (with thick wire) | each | 0.03 | 18.61 | 0.56 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 365 | Soft brush | each | 0.09 | 16.75 | 1.51 |
| 9999 | Sundries | L.S. | 9.49 | 1.80 | 17.08 |
| | TOTAL | | | | 13076.01 |
| | Add 1 % Water charges | | | | 130.76 |
| | TOTAL | | | | 13206.77 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1855.55 |
| | Total | | | | 15062.32 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 2259.35 |
| | TOTAL | | | | 17321.67 |
| | Cost for two coats per 100sqm. | | | | 17321.67 |
| | Cost per Sqm. | | | | 173.22 |
| | add 1% labour cess | | | | 1.73 |
| | Total | | | | 174.95 |
| | Say | | | | 174.90 |

**16.27 Surface dressing on old surface with hot bitumen of grade VG - 10 of approved quality using 1.95 kg of bitumen per sqm with 1.50 cum of stone chippings 11.2 mm nominal size per 100 sqm of road surface, including consolidation with road roller of 6 to 8 tonne capacity, etc. complete.**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for 100 sqm. | | | | |
| | MATERIAL | | | | |
| | Bitumen 1.95kg./sqm.= 195kg. or 0.195t | | | | |
| 309 | Paving bitumen VG-10 of approved quality | tonne | 0.195 | 27549.41 | 5372.14 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size @ 1.50cum. per 100 sqm. | cum | 1.5 | 620.42 | 930.63 |
| 2211 | Carriage of Tar bitumen | tonne | 0.195 | 0.00 | 0.00 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size<br>Steam coal for heating bitumen @2 quintal per tonne of bitumen | cum | 1.5 | 0 | 0.00 |
| 370 | Coal (steam) | quintal | 0.39 | 372.29 | 145.19 |
| 2200 | Carriage of steam coal | tonne | 0.039 | 123.51 | 4.82 |
| | Labour for cleaning the road surface, heating and spraying bitumen and aggregate etc. | | | | 0.00 |
| | (a) For cleaning : | | | | 0.00 |
| 128 | Mate | day | 0.06 | 270 | 16.20 |
| 114 | Beldar | day | 0.49 | 254.00 | 124.46 |
| 115 | Coolie | day | 0.97 | 265.00 | 257.05 |
| | (b) For heating and spraying bitumen : | | | | 0.00 |
| 130 | Mistry | day | 0.05 | 254.00 | 12.70 |
| 138 | Sprayer (for bitumen, tar etc.) | day | 0.06 | 267.00 | 16.02 |
| 114 | Beldar | day | 0.69 | 254.00 | 175.26 |
| | (c) For screening and spreading aggregate : | | | | 0.00 |
| 128 | Mate | day | 0.66 | 270.00 | 178.20 |
| 114 | Beldar | day | 0.51 | 254.00 | 129.54 |
| 115 | Coolie | day | 0.51 | 265.00 | 135.15 |
| | (d) Consolidation Charges | | | | 0.00 |
| 113 | Chowkidar | day | 0.15 | 267.00 | 40.05 |
| 101 | Bhisti | day | 0.06 | 277.00 | 16.62 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.06 | 2200.00 | 132.00 |
| 7 | Hire charges of Coaltar Sprayer | day | 0.06 | 250.00 | 15.00 |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.06 | 800 | 48.00 |
| | (e) Misc: | | | | 0.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Brushes etc. for cleaning | | | | 0.00 |
| 364 | Wire brush (with thick wire) | each | 0.05 | 18.61 | 0.93 |
| 365 | Soft brush | each | 0.12 | 16.75 | 2.01 |
| 9999 | Brooms and gunny bags | L.S. | 2.73 | 1.80 | 4.91 |
| 9999 | Sundries | L.S. | 5.33 | 1.80 | 9.59 |
| | TOTAL | | | | 7766.47 |
| | Add 1 % Water charges | | | | 77.66 |
| | TOTAL | | | | 7844.14 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1102.10 |
| | Total | | | | 8946.24 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1341.94 |
| | TOTAL | | | | 10288.18 |
| | Cost for 100 sqm. | | | | 10288.18 |
| | Cost per Sqm. | | | | 102.88 |
| | add 1% labour cess | | | | 1.03 |
| | Total | | | | 103.91 |
| | Say | | | | 103.90 |

**16.28 Surface dressing one coat on new surface with bitumen of specified grade at a rate of 1.95 kg/sqm of surface area with 1.5 cum of stone chippings 13.2 mm nominal size per 100 sqm of road surface, including consolidation with road roller of 6 to 8 tonne capacity , etc. complete :**

**16.28.1 Using bitumen emulsion (minimum 50% bitumen content- RS grade conforming to IS : 8887)**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for 100 sqm. | | | | |
| | MATERIAL | | | | |
| 310 | Bitumen emulsion | tonne | 0.195 | 39495.00 | 7701.53 |
| 2211 | Carriage of Tar bitumen | tonne | 0.195 | 0.00 | 0.00 |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size @1.50 cum. per 100 sqm. = 1.50cum | cum | 1.5 | 649.26 | 973.89 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 1.5 | 0 | 0.00 |
| | Labour for cleaning the road surface, heating and spraying bitumen and aggregate : | | | | 0.00 |
| | (a) For cleaning : | | | | 0.00 |
| 128 | Mate | day | 0.11 | 270.00 | 29.70 |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 |
| 115 | Coolie | day | 1.4 | 265.00 | 371.00 |
| | (b) For Spraying bitumen emulsion : | | | | 0.00 |
| 130 | Mistry | day | 0.07 | 254.00 | 17.78 |
| 138 | Sprayer (for bitumen, tar etc.) | day | 0.1 | 267.00 | 26.70 |
| 114 | Beldar | day | 1 | 254.00 | 254.00 |
| | (c) For screening and spreading aggregate : | | | | 0.00 |
| 128 | Mate | day | 0.11 | 270.00 | 29.70 |
| 114 | Beldar | day | 0.85 | 254.00 | 215.90 |
| 115 | Coolie | day | 0.85 | 265.00 | 225.25 |
| | (d) Consolidation Charges | | | | 0.00 |
| 113 | Chowkidar | day | 0.27 | 267.00 | 72.09 |
| 101 | Bhisti | day | 0.27 | 277.00 | 74.79 |
| 3 | Hire charges of Diesel Road Roller - 8 to | | | | 0.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | 10 tonne | day | 0.11 | 2200.00 | 242.00 |
| 7 | Hire charges of Coaltar Sprayer | day | 0.1 | 250.00 | 25.00 |
| | (e) Misc: | | | | 0.00 |
| | Brushes etc. for cleaning | | | | 0.00 |
| 364 | Wire brush | each | 0.11 | 18.61 | 2.05 |
| | (with thick wire) | | | | 0.00 |
| 365 | Soft brush | each | 0.32 | 16.75 | 5.36 |
| 9999 | Brooms and gunny bags | L.S. | 6.76 | 1.80 | 12.17 |
| 9999 | Sundries | L.S. | 9.49 | 1.80 | 17.08 |
| | TOTAL | | | | 10651.58 |
| | Add 1 % Water charges | | | | 106.52 |
| | TOTAL | | | | 10758.10 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1511.51 |
| | Total | | | | 12269.61 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1840.44 |
| | TOTAL | | | | 14110.05 |
| | Cost for 100 sqm. | | | | 14110.05 |
| | Cost per Sqm. | | | | 141.10 |
| | add 1% labour cess | | | | 1.41 |
| | Total | | | | 142.51 |
| | Say | | | | 142.50 |

16.29 **Surface dressing one coat on old surface with bitumen of specified grade at the rate of 1.22 kg/ sqm of surface area with 1.10 cum of stone chippings 11.2 mm nominal size per 100 sqm of road surface, including consolidation with road roller of 6 to 8 tonne capacity etc. complete :**

16.29.1 **Using bitumen emulsion (minimum 50% bitumen content- RS grade conforming to IS : 8887)**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for 100 sqm. | | | | |
| | MATERIAL | | | | |
| | Bitumen emulsion @1.22 kg per Sqm. =122 kg. or 0.122 tonne | | | | |
| 310 | Bitumen emulsion | tonne | 0.122 | 39495.00 | 3220.19 |
| 2211 | Carriage of Tar bitumen | tonne | 0.122 | 0.00 | 12.66 |
| | Stone chippings 11.2mm nominal size @ 1.10cum. per 100 sqm | | | | |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size | cum | 1.1 | 0 | 1320.00 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 1.1 | 0 | 114.15 |
| | Labour for cleaning the road surface, heating and spraying bitumen and aggregate : | | | | |
| | (a) For cleaning : | | | | |
| 128 | Mate | day | 0.06 | 270.00 | 24.42 |
| 114 | Beldar | day | 0.49 | 254.00 | 180.32 |
| 115 | Coolie | day | 0.97 | 265.00 | 356.96 |
| | (b) For Spraying bitumen emulsion : | | | | |
| 130 | Mistry | day | 0.05 | 254.00 | 24.35 |
| 138 | Sprayer (for bitumen, tar etc.) | day | 0.06 | 267.00 | 24.42 |
| 114 | Beldar | day | 0.63 | 254.00 | 231.84 |
| | (c) For screening and spreading aggregate : | | | | |
| 128 | Mate | day | 0.07 | 270.00 | 28.49 |
| 114 | Beldar | day | 0.62 | 254.00 | 228.16 |
| 115 | Coolie | day | 0.62 | 265.00 | 228.16 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | (d) Consolidation Charges | | | | | |
| 113 | Chowkidar | day | 0.15 | 267.00 | 55.20 | |
| 101 | Bhisti | day | 0.15 | 277.00 | 61.05 | |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.06 | 2200.00 | 132.00 | |
| 7 | Hire charges of Coaltar Sprayer | day | 0.06 | 250.00 | 15.00 | |
| | (e) Misc: | | | | | |
| | Brushes etc. for cleaning | | | | | |
| 364 | Wire brush (with thick wire) | each | 0.11 | 18.61 | 2.20 | |
| 365 | Soft brush | each | 0.32 | 16.75 | 5.76 | |
| 9999 | Brooms and gunny bags | L.S. | 2.73 | 1.80 | 4.72 | |
| 9999 | Sundries | L.S. | 5.33 | 1.80 | 9.22 | |
| | TOTAL | | | | 6279.27 | |
| | Add 1 % Water charges | | | | 62.79 | |
| | TOTAL | | | | 6342.06 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 891.06 | |
| | Total | | | | 7233.12 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1084.97 | |
| | TOTAL | | | | 8318.09 | |
| | Cost for 100 sqm. | | | | 8318.09 | |
| | Cost per Sqm. | | | | 83.18 | |
| | add 1% labour cess | | | | 0.83 | |
| | Total | | | | 84.01 | |
| | Say | | | | 84.00 | |
| 16.30 | **Providing and applying tack coat using hot straight run bitumen of grade VG - 10, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications :** | | | | | |
| 16.30.1 | **On W.B.M. @ 0.75 Kg / sqm** | | | | | |
| | Details of cost for 100 sqm. | | | | | |
| | MATERIAL | | | | | |
| 2916 | Paving Asphalt VG -10 of approved quality | tonne | 0.075 | 27549.41 | 2066.21 | |
| 2211 | Carriage of Tar bitumen | tonne | 0.075 | 0.00 | 0.00 | |
| 370 | Coal (steam) | quintal | 0.15 | 372.29 | 55.84 | |
| 2200 | Carriage of steam coal | tonne | 0.015 | 123.51 | 1.85 | |
| | MATERIAL | | | | | |
| 364 | Wire brush (with thick wire) | each | 0.05 | 18.61 | 0.93 | |
| 365 | Soft brush | each | 0.12 | 16.75 | 2.01 | |
| 9999 | Gunny bags | L.S. | 7.8 | 1.80 | 14.04 | |
| 7 | Hire charges of Coaltar Sprayer | day | 0.03 | 250.00 | 7.50 | |
| 9999 | Sundries | L.S. | 9.1 | 1.80 | 16.38 | |
| | LABOUR | | | | | |
| | (a) For cleaning : | | | | | |
| 128 | Mate | day | 0.06 | 270.00 | 16.20 | |
| 114 | Beldar | day | 1.46 | 254.00 | 370.84 | |
| | (b) For heating bitumen: | | | | | |
| 114 | Beldar | day | 0.19 | 254.00 | 48.26 | |
| | (c) For applying tack coat: | | | | | |
| 114 | Beldar | day | 0.47 | 254.00 | 119.38 | |
| | TOTAL | | | | 2719.44 | |
| | Add 1 % Water charges | | | | 27.19 | |
| | TOTAL | | | | 2746.64 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 385.90 | |
| | Total | | | | 3132.54 | (Y) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 469.88 | |
| | TOTAL | | | | 3602.42 | |
| | Cost for 100 sqm. | | | | 3602.42 | |
| | Cost per Sqm. | | | | 36.02 | |
| | add 1% labour cess | | | | 0.36 | |
| | Total | | | | 36.38 | |
| | Say | | | | 36.40 | |
| 16.30.2 | **On bituminous surface @ 0.50 Kg / sqm** | | | | | |
| | Details of cost for 100 sqm. | | | | | |
| | MATERIAL | | | | | |
| 2916 | Paving Asphalt VG -10 of approved quality | tonne | 0.05 | 27549.41 | 1377.47 | |
| 2211 | Carriage of Tar bitumen | tonne | 0.05 | 0.00 | 0.00 | |
| 370 | Coal (steam) | quintal | 0.1 | 372.29 | 37.23 | |
| 2200 | Carriage of steam coal | tonne | 0.01 | 123.51 | 1.24 | |
| | MATERIAL | | | | | |
| 364 | Wire brush (with thick wire) | each | 0.05 | 18.61 | 0.93 | |
| 365 | Soft brush | each | 0.12 | 16.75 | 2.01 | |
| 9999 | Gunny bags | L.S. | 7.8 | 1.80 | 14.04 | |
| 7 | Hire charges of Coaltar Sprayer | day | 0.03 | 250.00 | 7.50 | |
| 9999 | Sundries | L.S. | 7.8 | 1.80 | 14.04 | |
| | LABOUR | | | | | |
| | (a) For cleaning : | | | | | |
| 128 | Mate | day | 0.06 | 270.00 | 16.20 | |
| 114 | Beldar | day | 1.46 | 254.00 | 370.84 | |
| | (b) For heating bitumen: | | | | | |
| 114 | Beldar | day | 0.19 | 254.00 | 48.26 | |
| | (c) For applying tack coat: | | | | | |
| 114 | Beldar | day | 0.47 | 254.00 | 119.38 | |
| | TOTAL | | | | 2009.14 | |
| | Add 1 % Water charges | | | | 20.09 | |
| | TOTAL | | | | 2029.23 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 285.11 | |
| | Total | | | | 2314.33 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 347.15 | |
| | TOTAL | | | | 2661.48 | |
| | Cost for 100 sqm. | | | | 2661.48 | |
| | Cost per Sqm. | | | | 26.61 | |
| | add 1% labour cess | | | | 0.27 | |
| | Total | | | | 26.88 | |
| | Say | | | | 26.90 | |
| 16.31 | **Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributer including preparing the surface & cleaning with mechanical broom.** | | | | | |
| 16.31.1 | **With rapid setting bitumen emulsion** | | | | | |
| 16.31.1.1 | **On W.B.M / W.M.M. @ 0.4kg/sqm** | | | | | |
| | Details of cost for 3500 sqm. | | | | | |
| | MATERIAL | | | | | |
| 7382 | Bitumen emulsion rapid setting (R.S.) confirming to IS : 8887-1995 | tonne | 1.4 | 23663.64 | 33129.10 | |
| 2211 | Carriage of Tar bitumen | tonne | 1.4 | 0.00 | 0.00 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | MACHINERY | | | | | |
| 75 | Road sweeper (Mechamical Broom) @ 1250 sqm. Per hour. | hour | 2.8 | 300.00 | 840.00 | |
| 58 | Air compressor | hour | 2.8 | 200.00 | 560.00 | |
| 61 | Emulsion Pressure Distributor @ 1750 sqm per hour | hour | 2 | 800.00 | 1600.00 | |
| | LABOUR | | | | 0.00 | |
| 128 | Mate | day | 0.08 | 270.00 | 21.60 | |
| 114 | Beldar | day | 2 | 254.00 | 508.00 | |
| | TOTAL | | | | 36658.70 | |
| | Add 1 % Water charges | | | | 366.59 | |
| | TOTAL | | | | 37025.29 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 5202.05 | |
| | Total | | | | 42227.34 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 6334.10 | |
| | TOTAL | | | | 48561.44 | |
| | Cost for 3500 sqm. | | | | 48561.44 | |
| | Cost per Sqm. | | | | 13.87 | |
| | add 1% labour cess | | | | 0.14 | |
| | Total | | | | 14.01 | |
| | Say | | | | 14.00 | |
| **16.31.1.2** | **On bituminous surface @ 0.25kg/sqm** | | | | | |
| | Details of cost for 3500 sqm. | | | | | |
| | MATERIAL | | | | | |
| 7382 | Bitumen emulsion rapid setting (R.S.) confirming to IS : 8887-1995 | tonne | 0.875 | 23663.64 | 20705.69 | |
| 2211 | Carriage of Tar bitumen | tonne | 0.875 | 0.00 | 0.00 | |
| | MACHINERY | | | | 0.00 | |
| 75 | Road sweeper (Mechamical Broom) @1250 sqm. Per hour. | hour | 2.8 | 300.00 | 840.00 | |
| 58 | Air compressor | hour | 2.8 | 200.00 | 560.00 | |
| 61 | Emulsion Pressure Distributor @ 1750 sqm per hour | hour | 2 | 800.00 | 1600.00 | |
| | LABOUR | | | | | |
| 128 | Mate | day | 0.08 | 270.00 | 21.60 | |
| 114 | Beldar | day | 2 | 254.00 | 508.00 | |
| | TOTAL | | | | 24235.29 | |
| | Add 1 % Water charges | | | | 242.35 | |
| | TOTAL | | | | 24477.64 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 3439.11 | |
| | Total | | | | 27916.75 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 4187.51 | |
| | Cost for 3500 sqm. | | | | 32104.26 | |
| | Cost per Sqm. | | | | 9.17 | |
| | add 1% labour cess | | | | 0.09 | |
| | Total | | | | 9.26 | |
| | Say | | | | 9.30 | |
| **16.31.2** | **With medium setting bitumen emulsion** | | | | | |
| **16.31.2.1** | **On W.B.M / W.M.M. @ 0.4kg/sqm** | | | | | |
| | Details of cost for 3500 sqm. | | | | | |
| | MATERIAL | | | | | |
| 7742 | Bitumen emulsion medium setting (M.S.) confirming to IS : 8887-1995 | tonne | 1.4 | 39393.00 | 55150.20 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 2211 | Carriage of Tar bitumen | tonne | 1.4 | 0.00 | 0.00 | |
| | MACHINERY | | | | | |
| 75 | Road sweeper (Mechamical Broom) @ 1250 sqm. Per hour. | hour | 2.8 | 300.00 | 840.00 | |
| 58 | Air compressor | hour | 2.8 | 200.00 | 560.00 | |
| 61 | Emulsion Pressure Distributor @ 1750 sqm per hour | hour | 2 | 800.00 | 1600.00 | |
| | LABOUR | | | | | |
| 128 | Mate | day | 0.08 | 270.00 | 21.60 | |
| 114 | Beldar | day | 2 | 254.00 | 508.00 | |
| | TOTAL | | | | 58679.80 | |
| | Add 1 % Water charges | | | | 586.80 | |
| | TOTAL | | | | 59266.60 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 8326.96 | |
| | Total | | | | 67593.56 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 10139.03 | |
| | Cost for 3500 sqm. | | | | 77732.59 | |
| | Cost per Sqm. | | | | 22.21 | |
| | add 1% labour cess | | | | 0.22 | |
| | Total | | | | 22.43 | |
| | Say | | | | 22.40 | |

**16.31.2.2 On bituminous surface @ 0.25kg/sqm**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Details of cost for 3500 sqm. | | | | | |
| | MATERIAL | | | | | |
| 7742 | Bitumen emulsion medium setting (M.S.) confirming to IS : 8887-1995 | tonne | 0.875 | 39393.00 | 34468.88 | |
| 2211 | Carriage of Tar bitumen | tonne | 0.875 | 0.00 | 0.00 | |
| | MACHINERY | | | | | |
| 75 | Road sweeper (Mechamical Broom) @ 1250 sqm. Per hour. | hour | 2.8 | 300.00 | 840.00 | |
| 58 | Air compressor | hour | 2.8 | 200.00 | 560.00 | |
| 61 | Emulsion Pressure Distributor @ 1750 sqm per hour | hour | 2 | 800.00 | 1600.00 | |
| | LABOUR | | | | | |
| 128 | Mate | day | 0.08 | 270.00 | 21.60 | |
| 114 | Beldar | day | 2 | 254.00 | 508.00 | |
| | TOTAL | | | | 37998.48 | |
| | Add 1 % Water charges | | | | 379.98 | |
| | TOTAL | | | | 38378.46 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 5392.17 | |
| | Total | | | | 43770.63 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 6565.60 | |
| | Cost for 3500 sqm. | | | | 50336.23 | |
| | Cost per Sqm. | | | | 14.38 | |
| | add 1% labour cess | | | | 0.14 | |
| | Total | | | | 14.53 | |
| | Say | | | | 14.50 | |

**16.32 2 cm premix carpet surfacing with 1.8 cum and 0.90 cum of stone chippings of 13.2 mm size and 11.2 mm size respectively per 100 sqm and 52 kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately).**

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 16.32.1 | With paving Asphalt grade VG - 10 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt | | | | |
| | Details of cost for 100 sqm.<br>Asphalt 80/100<br>(i) Hot bitumen @52kg.per cum. of stone chippings 1.8cum. of 13.2mm nominal size chippings. | | | | |
| | (ii) Hot bitumen @56kg. per cum. of stone chippings 0.90cum. of 11.2mm nominal size chippings. Bitumen :52xl.8+56x0.9=144kg. or 0.144 tonne | | | | |
| | MATERIAL | | | | |
| 2916 | Paving Asphalt VG 10 of approved quality | tonne | 0.144 | 27549.41 | 3967.12 |
| 2211 | Carriage of Tar bitumen Solvent 70gms/kg. for 0.144 t = 10.08kg. | tonne | 0.144 | 0.00 | 0.00 |
| 2914 | Solvent | kilogram | 10.08 | 23.27 | 234.54 |
| 2342 | Carriage of solvent/ Diesel. | quintal | 0.1 | 10.81 | 1.08 |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size @1.80cum. per 100 sqm | cum | 1.8 | 649.26 | 1168.67 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size @0.90cum. per 100 sqm | cum | 0.9 | 620.42 | 558.38 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size<br>Steam coal for heating bitumen @ 2 qunitals per tonne of bitumen = 2x0.144=0.288q | cum | 2.7 | 0 | 0.00 |
| 370 | Coal (steam) | quintal | 0.288 | 372.29 | 107.22 |
| 2200 | Carriage of steam coal | tonne | 0.0288 | 123.51 | 3.56 |
| | Labour for cleaning the road surface, heating and spraying bitumen and aggregate :<br>(a) For cleaning : | | | | |
| 128 | Mate | day | 0.08 | 270.00 | 21.60 |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 |
| 115 | Coolie | day | 1.4 | 265.00 | 371.00 |
| | (b) For heating bitumen: | | | | |
| 114 | Beldar | day | 0.57 | 254.00 | 144.78 |
| | (c) For screening and spreading premixed aggregate : | | | | |
| 130 | Mistry | day | 0.19 | 254.00 | 48.26 |
| 114 | Beldar | day | 5 | 254.00 | 1270.00 |
| | (d) Consolidation Charges | | | | |
| 113 | Chowkidar<br>(at barrier for night watch and for road roller) | day | 0.27 | 267.00 | 72.09 |
| 101 | Bhisti | day | 0.11 | 277.00 | 30.47 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.11 | 2200.00 | 242.00 |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.13 | 800 | 104.00 |
| 23 | Hot Bitumen mixer 0.5 cum i/c hand cart | day | 0.04 | 3500.00 | 140.00 |
| | (e) Misc: | | | | |
| 364 | Wire brush (with thick wire) | each | 0.11 | 18.61 | 2.05 |
| 365 | Soft brush | each | 0.32 | 16.75 | 5.36 |
| 9999 | Brooms and gunny bags | L.S. | 6.76 | 1.80 | 12.17 |
| 9999 | Sundries | L.S. | 9.49 | 1.80 | 17.08 |
| | TOTAL | | | | 8877.02 |
| | Add 1 % Water charges | | | | 88.77 |
| | TOTAL | | | | 8965.79 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1259.69 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Total | | | | 10225.48 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1533.82 |
| | Cost for 100 sqm. | | | | 11759.31 |
| | Cost per Sqm. | | | | 117.59 |
| | add 1% labour cess | | | | 1.18 |
| | Total | | | | 118.77 |
| | Say | | | | 118.80 |
| **16.32.2** | **With paving Asphalt grade VG - 30 with no solvent** | | | | |
| | Details of cost for 100 sqm. | | | | |
| | Asphalt 60/70 | | | | |
| | (i) Hot bitumen @52kg.per cum. of stone chippings 1.8cum. of 13.2mm nominal size chippings. | | | | |
| | (ii) Hot bitumen @56kg. per cum. of stone chippings 0.90cum. of 11.2mm nominal size chippings. Bitumen :52xl.8+56x0.9=144kg. or 0.144 tonne | | | | |
| | MATERIAL | | | | |
| 7309 | Paving Asphalt VG-30 of approved quality | tonne | 0.144 | 28401.96 | 4089.88 |
| 2211 | Carriage of Tar bitumen | tonne | 0.144 | 0.00 | 0.00 |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size @1.80cum. per 100sqm. | cum | 1.8 | 649.26 | 1168.67 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size @0.90cum. per 100sqm | cum | 0.9 | 620.42 | 558.38 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 2.7 | 0 | 0.00 |
| | Steam coal for heating of bitumen @2 quintals per tonne of bitumen =2x0.144=0.288q | | | | |
| 370 | Coal (steam) | quintal | 0.288 | 372.29 | 107.22 |
| 2200 | Carriage of steam coal | tonne | 0.0288 | 123.51 | 3.56 |
| | Labour for cleaning the road surface, heating and spraying bitumen and aggregate : | | | | |
| | (a) For cleaning : | | | | |
| 128 | Mate | day | 0.08 | 270.00 | 21.60 |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 |
| 115 | Coolie | day | 1.4 | 265.00 | 371.00 |
| | (b) For heating bitumen: | | | | |
| 114 | Beldar | day | 0.57 | 254.00 | 144.78 |
| | (c) For screening and spreading premixed aggregate : | | | | |
| 130 | Mistry | day | 0.19 | 254.00 | 48.26 |
| 114 | Beldar | day | 5 | 254.00 | 1270.00 |
| | (d) Consolidation Charges | | | | |
| 113 | Chowkidar | day | 0.27 | 267.00 | 72.09 |
| 101 | Bhisti | day | 0.11 | 277.00 | 30.47 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.11 | 2200.00 | 242.00 |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.13 | 800 | 104.00 |
| 23 | Hot Bitumen mixer 0.5 cum i/c hand cart | day | 0.04 | 3500.00 | 140.00 |
| | (e) Misc: | | | | |
| 364 | Wire brush (with thick wire) | each | 0.11 | 18.61 | 2.05 |
| 365 | Soft brush | each | 0.32 | 16.75 | 5.36 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 9999 | Brooms and gunny bags | L.S. | 6.76 | 1.80 | 12.17 |
| 9999 | Sundries | L.S. | 9.49 | 1.80 | 17.08 |
| | TOTAL | | | | 8764.16 |
| | Add 1 % Water charges | | | | 87.64 |
| | TOTAL | | | | 8851.80 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1243.68 |
| | Total | | | | 10095.48 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1514.32 |
| | Cost for 100 sqm. | | | | 11609.81 |
| | Cost per Sqm. | | | | 116.10 |
| | add 1% labour cess | | | | 1.16 |
| | Total | | | | 117.26 |
| | Say | | | | 117.30 |
| 16.32.3 | **With Refinery Modified Bitumen CRMB 55 conforming to IRC: SP: 53** | | | | |
| | Details of cost for 100 sqm. | | | | |
| | Asphalt 80/100<br>(i) Hot bitumen @52kg.per cum. of stone chippings 1.8cum. of 13.2mm nominal size chippings. | | | | |
| | (ii) Hot bitumen @56kg. per cum. of stone chippings 0.90cum. of 11.2mm nominal size chippings. | | | | |
| | Modified Bitumen CRMB - 55 (Refinary produced) :52xl.8+56x0.9=144kg. or 0.144 tonne | | | | |
| | MATERIAL | | | | |
| 7739 | Modified Bitumen Refinary produced CRMB - 55 | tonne | 0.144 | 36387.00 | 5239.73 |
| 2211 | Carriage of Tar bitumen Solvent 70gms/kg. for 0.144 t = 10.08kg | tonne | 0.144 | 0.00 | 0.00 |
| 2914 | Solvent | kilogram | 10.08 | 23.27 | 234.54 |
| 2342 | Carriage of solvent/ Diesel. Stone chippings 13.2mm nominal size @ 1.80cum. per 100sqm. | quintal | 0.1 | 10.81 | 1.08 |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size @1.80cum. per 100sqm. | cum | 1.8 | 649.26 | 1168.67 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size @0.90cum. per 100sqm | cum | 0.9 | 620.42 | 558.38 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size<br>Steam coal for heating bitumen @ 2 quintals per tonne of bitumen = 2x0.144=0.288q | cum | 2.7 | 0 | 0.00 |
| 370 | Coal (steam) | quintal | 0.288 | 372.29 | 107.22 |
| 2200 | Carriage of steam coal | tonne | 0.0288 | 123.51 | 3.56 |
| | Labour for cleaning the road surface, heating and spraying bitumen and aggregate : | | | | 0.00 |
| | (a) For cleaning : | | | | 0.00 |
| 128 | Mate | day | 0.08 | 270.00 | 21.60 |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 |
| 115 | Coolie | day | 1.4 | 265.00 | 371.00 |
| | (b) For heating bitumen: | | | | 0.00 |
| 114 | Beldar | day | 0.57 | 254.00 | 144.78 |
| | (c) For screening and spreading premixed aggregate : | | | | 0.00 |
| 130 | Mistry | day | 0.19 | 254.00 | 48.26 |
| 114 | Beldar | day | 5 | 254.00 | 1270.00 |
| | (d) Consolidation Charges | | | | 0.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 113 | Chowkidar | day | 0.27 | 267.00 | 72.09 |
| 101 | Bhisti | day | 0.11 | 277.00 | 30.47 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.11 | 2200.00 | 242.00 |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.13 | 800 | 104.00 |
| 23 | Hot Bitumen mixer 0.5 cum i/c hand cart | day | 0.04 | 3500.00 | 140.00 |
| | (e) Misc: | | | | 0.00 |
| 364 | Wire brush (with thick wire) | each | 0.11 | 18.61 | 2.05 |
| | | | | | 0.00 |
| 365 | Soft brush | each | 0.32 | 16.75 | 5.36 |
| 9999 | Brooms and gunny bags | L.S. | 6.76 | 1.80 | 12.17 |
| 9999 | Sundries | L.S. | 9.49 | 1.80 | 17.08 |
| | TOTAL | | | | 10149.63 |
| | Add 1 % Water charges | | | | 101.50 |
| | TOTAL | | | | 10251.13 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1440.28 |
| | Total | | | | 11691.41 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1753.71 |
| | Cost for 100 sqm. | | | | 13445.12 |
| | Cost per Sqm. | | | | 134.45 |
| | add 1% labour cess | | | | 1.34 |
| | Total | | | | 135.80 |
| | Say | | | | 135.80 |

**16.33 2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm and 52 kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately).**

**16.33.1 With paving Asphalt grade VG - 10 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt**

Details of cost for 100 sqm.

Paving Asphalt 80/100

(i) Hot bitumen @52kg.per cum. of stone chippings @2.25cum. of 13.2mm nominal size chippings.

(ii) Hot bitumen @56kg. per cum. Of aggregate @1.12cum. of 11.2mm nominal size. Bitumen :52x2.25+56x1.12= 180kg

MATERIAL

| | | | | | |
|---|---|---|---|---|---|
| 2916 | Paving Asphalt VG -10 of approved quality Solvent 0.07x180=12.60kg. | tonne | 0.18 | 27549.41 | 4958.89 |
| 2914 | Solvent | kilogram | 12.6 | 23.27 | 293.18 |
| 2211 | Carriage of Tar bitumen | tonne | 0.18 | 0.00 | 0.00 |
| 2342 | Carriage of solvent/ Diesel. | quintal | 0.126 | 10.81 | 1.36 |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size @1.80cum. per 100 sqm. | cum | 2.25 | 649.26 | 1460.84 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size @0.90cum. per 100 sqm | cum | 1.12 | 620.42 | 694.87 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size 2.25+1.12=3.37 cum Steam coal for heating of bitumen @2 quintals per tonne of bitumen =2x0.18=0.36q | cum | 3.37 | 0 | 0.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 370 | Coal (steam) | quintal | 0.36 | 372.29 | 134.02 |
| 2200 | Carriage of steam coal | tonne | 0.036 | 123.51 | 4.45 |
| | Labour for cleaning the road surface, heating and spraying bitumen and aggregate : | | | | |
| | (a) For cleaning : | | | | |
| 128 | Mate | day | 0.08 | 270.00 | 21.60 |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 |
| 115 | Coolie | day | 1.4 | 265.00 | 371.00 |
| | (b) For heating bitumen: | | | | |
| 114 | Beldar | day | 0.71 | 254.00 | 180.34 |
| | (c) For screening and spreading premixed aggregate : | | | | |
| 130 | Mistry | day | 0.19 | 254.00 | 48.26 |
| 114 | Beldar | day | 6.25 | 254.00 | 1587.50 |
| | (d) Consolidation Charges | | | | |
| 113 | Chowkidar | day | 0.27 | 267.00 | 72.09 |
| 101 | Bhisti | day | 0.11 | 277.00 | 30.47 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.11 | 2200.00 | 242.00 |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.15 | 800 | 120.00 |
| 23 | Hot Bitumen mixer 0.5 cum i/c hand cart | day | 0.04 | 3500.00 | 140.00 |
| | (e) Misc: | | | | |
| 364 | Wire brush (with thick wire) | each | 0.11 | 18.61 | 2.05 |
| 365 | Soft brush | each | 0.32 | 16.75 | 5.36 |
| 9999 | Brooms and gunny bags | L.S. | 6.76 | 1.80 | 12.17 |
| 9999 | Sundries | L.S. | 9.49 | 1.80 | 17.08 |
| | TOTAL | | | | 10753.13 |
| | Add 1 % Water charges | | | | 107.53 |
| | TOTAL | | | | 10860.66 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1525.92 |
| | Total | | | | 12386.58 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1857.99 |
| | Cost for 100 sqm. | | | | 14244.57 |
| | Cost per Sqm. | | | | 142.45 |
| | add 1% labour cess | | | | 1.42 |
| | Total | | | | 143.87 |
| | Say | | | | 143.90 |
| **16.33.2** | **With paving Asphalt grade VG - 30 with no solvent** | | | | |
| | Details of cost for 100 sqm. Paving Asphalt 60/70 | | | | |
| | (i) Hot bitumen @52kg.per cum. of stone chippings @2.25cum. of 13.2mm nominal size<br>(ii) Hot bitumen @56kg. per cum. of stone aggregate@1.12cum. of 11.2mm nominal size<br>size Bitumen :52x2.25+50xl. 12= 180kg | | | | |
| | MATERIAL | | | | |
| 7309 | Paving Asphalt VG-30 of approved quality | tonne | 0.18 | 28401.96 | 5112.35 |
| 2211 | Carriage of Tar bitumen | tonne | 0.18 | 0.00 | 0.00 |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size @2.25cum. per 100sqm | cum | 2.25 | 649.26 | 1460.84 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size @1.12cum. per 100sqm | cum | 1.12 | 620.42 | 694.87 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 2202 | Carriage of Stone aggregate below 40 mm nominal size 2.25+1.12=3.37 cum. | cum | 3.37 | 0 | 0.00 |
| 370 | Coal (steam) | quintal | 0.36 | 372.29 | 134.02 |
| 2200 | Carriage of steam coal | tonne | 0.036 | 123.51 | 4.45 |
| | Labour for cleaning the road surface, heatingand spraying bitumen and aggregate : | | | | |
| | (a) For cleaning : | | | | |
| 128 | Mate | day | 0.08 | 270.00 | 21.60 |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 |
| 115 | Coolie | day | 1.4 | 265.00 | 371.00 |
| | (b) For heating bitumen: | | | | 0.00 |
| 114 | Beldar | day | 0.71 | 254.00 | 180.34 |
| | (c) For cleaning, mixing and spreading pre-mix aggregate : | | | | |
| 130 | Mistry | day | 0.19 | 254.00 | 48.26 |
| 114 | Beldar 1.05x0.18)/0.267 = 0.71 Nos. | day | 6.25 | 254.00 | 1587.50 |
| | (d) Consolidation Charges | | | | |
| 113 | Chowkidar | day | 0.27 | 267.00 | 72.09 |
| 101 | Bhisti | day | 0.11 | 277.00 | 30.47 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.11 | 2200.00 | 242.00 |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.15 | 800 | 120.00 |
| 23 | Hot Bitumen mixer 0.5 cum i/c hand cart | day | 0.04 | 3500.00 | 140.00 |
| | (e) Misc: | | | | |
| 364 | Wire brush (with thick wire) | each | 0.11 | 18.61 | 2.05 |
| 365 | Soft brush | each | 0.32 | 16.75 | 5.36 |
| 9999 | Brooms and gunny bags | L.S. | 6.76 | 1.80 | 12.17 |
| 9999 | Sundries | L.S. | 9.49 | 1.80 | 17.08 |
| | TOTAL | | | | 10612.05 |
| | Add 1 % Water charges | | | | 106.12 |
| | TOTAL | | | | 10718.17 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1505.90 |
| | Total | | | | 12224.07 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1833.61 |
| | Cost for 100 sqm. | | | | 14057.68 |
| | Cost per Sqm. | | | | 140.58 |
| | add 1% labour cess | | | | 1.41 |
| | Total | | | | 141.98 |
| | Say | | | | 142.00 |
| **16.33.3** | **With Refinery Modified Bitumen CRMB 55 conforming to IRC: SP: 53** | | | | |
| | Details of cost for 100 sqm. | | | | |
| | MATERIAL | | | | |
| | Paving Asphalt 80/100 | | | | |
| | (i) Hot bitumen @52kg.per cum. of stone chippings @2.25cum. of 13.2mm nominal size chippings. | | | | |
| | (ii) Hot bitumen @56kg. per cum. Of aggregate @1.12cum. of 11.2mm nominal size. 52x2.25+56x1.12=180kg | | | | |
| 7739 | Modified Bitumen Refinary produced CRMB - 55 Solvent 0.07x180=12.60kg | tonne | 0.18 | 36387.00 | 6549.66 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 2914 | Solvent | kilogram | 12.6 | 23.27 | 293.18 |
| 2211 | Carriage of Tar bitumen | tonne | 0.18 | 0.00 | 0.00 |
| 2342 | Carriage of solvent/ Diesel. | quintal | 0.126 | 10.81 | 1.36 |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size @2.25 cum. per 100sqm | cum | 2.25 | 649.26 | 1460.84 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size @1.12 cum. per 100sqm | cum | 1.12 | 620.42 | 694.87 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size 2.25+1.12=3.37 cum.+ Steam coal for heating of bitumen @2 quintals per tonne of bitumen =2x0.18=0.36q | cum | 3.37 | 0 | 0.00 |
| 370 | Coal (steam) | quintal | 0.36 | 372.29 | 134.02 |
| 2200 | Carriage of steam coal | tonne | 0.036 | 123.51 | 4.45 |
| | Labour for cleaning the road surface, heating and spraying bitumen and aggregate : | | | | |
| | (a) For cleaning : | | | | |
| 128 | Mate | day | 0.08 | 270.00 | 21.60 |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 |
| 115 | Coolie | day | 1.4 | 265.00 | 371.00 |
| | (b) For heating bitumen: | | | | 0.00 |
| 114 | Beldar | day | 0.71 | 254.00 | 180.34 |
| | (c) For screening and spreading premixed aggregate : | | | | |
| 130 | Mistry | day | 0.19 | 254.00 | 48.26 |
| 114 | Beldar | day | 6.25 | 254.00 | 1587.50 |
| | (d) Consolidation Charges | | | | |
| 113 | Chowkidar | day | 0.27 | 267.00 | 72.09 |
| 101 | Bhisti | day | 0.11 | 277.00 | 30.47 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.11 | 2200.00 | 242.00 |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.15 | 800 | 120.00 |
| 23 | Hot Bitumen mixer 0.5 cum i/c hand cart | day | 0.04 | 3500.00 | 140.00 |
| | (e) Misc: | | | | |
| 364 | Wire brush (with thick wire) | each | 0.11 | 18.61 | 2.05 |
| 365 | Soft brush | each | 0.32 | 16.75 | 5.36 |
| 9999 | Brooms and gunny bags | L.S. | 6.76 | 1.80 | 12.17 |
| 9999 | Sundries | L.S. | 9.49 | 1.80 | 17.08 |
| | TOTAL | | | | 12343.89 |
| | Add 1 % Water charges | | | | 123.44 |
| | TOTAL | | | | 12467.33 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1751.66 |
| | Total | | | | 14218.99 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 2132.85 |
| | Cost for 100 sqm. | | | | 16351.84 |
| | Cost per Sqm. | | | | 163.52 |
| | add 1% labour cess | | | | 1.64 |
| | Total | | | | 165.15 |
| | Say | | | | 165.15 |

16.34 **2 cm premix carpet surfacing with 2.4 cum of stone chippings 11.2 mm nominal size per 100 sqm and bitumen emulsion (medium setting min. 65% bitumen content) complying with IS : 8887, using 96 kg per cum of chippings, including consolidation with road roller of 6 to 9 tonne capacity etc. complete.**

Details of cost for 100 sqm.

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | MATERIAL | | | | |
| | Bitumen emulsion M.S. @ 96kg per cum. of aggregate 96x2.4=230kg =0.230t | | | | |
| 7742 | Bitumen emulsion medium setting (M.S.) confirming to IS : 8887-1995 | tonne | 0.23 | 39393.00 | 9060.39 |
| 2211 | Carriage of Tar bitumen | tonne | 0.23 | 0.00 | 0.00 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size @ 2.4cum. per 100 sqm | cum | 2.4 | 620.42 | 1489.01 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 2.4 | 0 | 0.00 |
| | LABOUR | | | | |
| | (a) For mixing and spreading premix aggregate : | | | | |
| 130 | Mistry | day | 0.19 | 254.00 | 48.26 |
| 114 | Beldar | day | 3.54 | 254.00 | 899.16 |
| | (b) Consolidation Charges | | | | |
| 113 | Chowkidar | day | 0.27 | 267.00 | 72.09 |
| 101 | Bhisti | day | 0.11 | 277.00 | 30.47 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.11 | 2200.00 | 242.00 |
| 23 | Hot Bitumen mixer 0.5 cum i/c hand cart | day | 0.04 | 3500.00 | 140.00 |
| 9999 | Sundries | L.S. | 9.49 | 1.80 | 17.08 |
| | TOTAL | | | | 11998.46 |
| | Add 1 % Water charges | | | | 119.98 |
| | TOTAL | | | | 12118.44 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1702.64 |
| | Total | | | | 13821.09 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 2073.16 |
| | Cost for 100 sqm. | | | | 15894.25 |
| | Cost per Sqm. | | | | 158.94 |
| | add 1% labour cess | | | | 1.59 |
| | Total | | | | 160.53 |
| | Say | | | | 160.50 |
| 16.35 | **2.5 cm premix carpet surfacing with 3 cum of stone chippings 10 mm nominal size per 100 sqm and bitumen emulsion (medium setting min. 65% bitumen contents) complying with IS : 8887, using 96 kg per cum of chippings of road surface, including consolidation with road roller etc complete .** | | | | |
| | Details of cost for 100 sqm. | | | | |
| | MATERIAL | | | | |
| | Bitumen emulsion M.S. @ 96kg per cum. of aggregate 96x3 = 288 kg = 0.288 t | | | | |
| 7742 | Bitumen emulsion medium setting (M.S.) confirming to IS : 8887-1995 | tonne | 0.288 | 39393.00 | 11345.18 |
| 2211 | Carriage of Tar bitumen | tonne | 0.288 | 0.00 | 0.00 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size @ 3.00 cum. per 100 sqm | cum | 3 | 620.42 | 1861.26 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 3 | 0 | 0.00 |
| | LABOUR | | | | |
| | (a) For mixing and spreading premix aggregate : | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 130 | Mistry | day | 0.19 | 254.00 | 48.26 |
| 114 | Beldar | day | 4.1 | 254.00 | 1041.40 |
| | (b) Consolidation Charges | | | | 0.00 |
| 113 | Chowkidar | day | 0.27 | 267.00 | 72.09 |
| 101 | Bhisti | day | 0.11 | 277.00 | 30.47 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.11 | 2200.00 | 242.00 |
| 9999 | Sundries | L.S. | 9.49 | 1.80 | 17.08 |
| | TOTAL | | | | 14657.75 |
| | Add 1 % Water charges | | | | 146.58 |
| | TOTAL | | | | 14804.32 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 2080.01 |
| | Total | | | | 16884.33 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 2532.65 |
| | Cost for 100 sqm. | | | | 19416.98 |
| | Cost per Sqm. | | | | 194.17 |
| | add 1% labour cess | | | | 1.94 |
| | Total | | | | 196.11 |
| | Say | | | | 196.10 |

16.36 **Providing and laying Bitumen Penetration Macadam with hard stone aggregate of quality, size and grading as specified, with bitumen of suitable penetration grade, including required key aggregate as specified, spreading coarse aggregate with the help of self propelled/ tipper tail mounted aggregate spreader and applying bitumen by a pressure distributor and then spreading key aggregate with the help of aggregate spreader complete, including consolidation with road roller of minimum 8 to 10 tonne capacity to achieve specified values of compaction and surface accuracy :**

16.36.1 **For 50mm compacted thickness using coarse aggregate of size 50-20 mm graded @ 0.60 cum per 10 sqm key aggregate of size 12.5 mm graded @ 0.15 cum per 10 sqm. With paving asphalt grade VG - 10 @ 50 kg/ 10 sqm.**

Details of cost for 370 sqm.
MATERIAL
Taking stone aggregate 40mm = 45% 20mm = 44% 11.2mm = 8% Stone dust = 3%

| | | | | | |
|---|---|---|---|---|---|
| 293 | Stone Aggregate (Single size) : 40 mm nominal size | cum | 9.99 | 445.22 | 4447.75 |
| 295 | Stone Aggregate (Single size) : 20 mm nominal size | cum | 9.77 | 556.33 | 5435.34 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size | cum | 1.78 | 620.42 | 1104.35 |
| 1159 | Stone dust | cum | 0.6 | 99.38 | 59.63 |
| 295 | Stone Aggregate (Single size) : 20 mm nominal size | cum | 2.33 | 556.33 | 1296.25 |
| 296 | Stone Aggregate (Single size) : 12.5 mm nominal size | cum | 2.66 | 649.26 | 1727.03 |
| 1159 | Stone dust | cum | 0.56 | 99.38 | 55.65 |
| 2206 | Carriage of Stone aggregate 40 mm nominal size and above | cum | 9.99 | 0 | 0.00 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size i.e. 20mm nominal size | cum | 12.1 | 0 | 0.00 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 4.44 | 0 | 0.00 |
| 2267 | Carriage of Stone dust | cum | 1.16 | 0.00 | 0.00 |
| 2916 | Paving Asphalt VG -10 of approved quality @ 50kg/10 sqm. | tonne | 1.85 | 27549.41 | 50966.41 |
| 2211 | Carriage of Tar bitumen | tonne | 1.85 | 0 | 0.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | (B) Labour: | | | | |
| 114 | Beldar<br>for spreading stone metal | day | 16.67 | 254.00 | 4234.18 |
| 114 | Beldar<br>for hand packing | day | 5.33 | 254.00 | 1353.82 |
| 114 | Beldar<br>dry rolling | day | 2.67 | 254.00 | 678.18 |
| 114 | Beldar<br>Bajri spreader | day | 1.33 | 254.00 | 337.82 |
| 138 | Sprayer (for bitumen, tar etc.) | day | 0.67 | 267.00 | 178.89 |
| 114 | Beldar for spreading key aggregate | day | 1.33 | 254.00 | 337.82 |
| 114 | Beldar for spraying bitumen | day | 6.67 | 254.00 | 1694.18 |
| 114 | Beldar of power roller | day | 0.67 | 254.00 | 170.18 |
| 128 | Mate | day | 1.77 | 270.00 | 477.90 |
| | (C) Machinery : | | | | |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.45 | 800 | 360.00 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.61 | 2200.00 | 1342.00 |
| 9999 | Misc. items as spray nozzle, joint paper, coconut oil, country soap etc. | L.S. | 351 | 1.80 | 631.80 |
| | TOTAL | | | | 76889.18 |
| | Add 1 % Water charges | | | | 768.89 |
| | TOTAL | | | | 77658.08 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 10910.96 |
| | Total | | | | 88569.04 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 13285.36 |
| | Cost for 370 Sqm. | | | | 101854.39 |
| | Cost per sqm. | | | | 275.28 |
| | add 1% labour cess | | | | 2.75 |
| | Total | | | | 278.03 |
| | Say | | | | 278.00 |
| **16.36.2** | **For 75 mm compacted thickness in two layers using stone aggregate of size 63-41 mm graded @ 0.90 cum per 10 sqm key aggregate of size 20.0 mm graded @ 0.18 cum per 10 sqm. With paving asphalt grade VG - 10 @ 68 kg/10 sqm.** | | | | |
| | Details of cost for 300 sqm.<br>MATERIAL<br>Taking output as 300 sqm. for single layer. Coarse agg. = 300/10x0.90 = 27 cum. Key agg = 300/10x0.18 = 5.4 cum. Bitumen = 300/10x68 = 2.04 t. | | | | |
| 2206 | Carriage of Stone aggregate 40 mm nominal size and above | cum | 8.1 | 112.79 | 913.60 |
| 292 | Stone Aggregate (Single size) : 50 mm nominal size | cum | 8.1 | 431.67 | 3496.53 |
| 295 | Stone Aggregate (Single size) : 20 mm nominal size | cum | 14.58 | 556.33 | 8111.29 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size | cum | 4.32 | 620.42 | 2680.21 |
| 294 | Stone Aggregate (Single size) : 25 mm nominal size | cum | 2.05 | 530.48 | 1087.48 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 296 | Stone Aggregate (Single size) : 12.5 mm nominal size | cum | 2.57 | 649.26 | 1668.60 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size | cum | 0.81 | 620.42 | 502.54 |
| 2916 | Paving Asphalt VG -10 of approved quality | tonne | 2.04 | 27549.41 | 56200.80 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 24.33 | 0 | 0.00 |
| 2211 | Carriage of Tar bitumen | tonne | 2.04 | 0.00 | 0.00 |
| | LABOUR | | | | 0.00 |
| 114 | Beldar for spreading stone metal | day | 25 | 254.00 | 6350.00 |
| 114 | Beldar for hand packing | day | 8 | 254.00 | 2032.00 |
| 114 | Beldar dry rolling | day | 4 | 254.00 | 1016.00 |
| 114 | Beldar/Bajri spreader | day | 2 | 254.00 | 508.00 |
| 138 | Sprayer (for bitumen, tar etc.) | day | 1 | 267.00 | 267.00 |
| 114 | Beldar for spreading key aggregate | day | 2 | 254.00 | 508.00 |
| 114 | Beldar for spraying bitumen | day | 10 | 254.00 | 2540.00 |
| 114 | Beldar | day | 1 | 254.00 | 254.00 |
| | road roller | | | | |
| 128 | Mate | day | 2.65 | 270.00 | 715.50 |
| | MACHINERY | | | | |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.5 | 800 | 400.00 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.75 | 2200.00 | 1650.00 |
| 9999 | Misc. items as spray nozzle, joint paper, coconut oil, country soap etc. | L.S. | 429 | 1.80 | 772.20 |
| | TOTAL | | | | 91673.76 |
| | Add 1 % Water charges | | | | 916.74 |
| | TOTAL | | | | 92590.49 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 13008.96 |
| | Total | | | | 105599.46 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 15839.92 |
| | Cost for 300 Sqm. | | | | 121439.38 |
| | Cost per sqm. | | | | 404.80 |
| | Add 1% labour cess | | | | 4.05 |
| | TOTAL | | | | 408.85 |
| | Say | | | | 408.80 |

**16.37 Providing and laying bitumen mastic wearing course (as per specifications) with industrial bitumen of grade 85/25 conforming to IS : 702, prepared by using mastic cooker and laid to required level and slope, including providing antiskid surface with bitumen precoated fine grained hard stone chipping of approved size at the rate of 0.005 cum per 10 sqm and at approximate spacing of 10 cm centre to centre in both directions, pressed into surface protruding 1 mm to 4 mm over mastic surface, including cleaning the surface, removal of debris etc. all complete. (Considering bitumen using 10.2% as per MORTH specification).**

**16.37.1 25 mm thick**

Details of cost for surface area of 17.40
sqm for single layer of 25 mm finished thickness.
MATERIAL
Taking wearing coat as 1 tonne and density as 2.3 gm/c.c
Volume of bitumen mastic = 1000/2300= 0.435 cum
surface area = 0.435/0.025 = 17.4 sqm.

(i) Bitumen of penetration 85/25 @ 10.2% by weight of mix

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 313 | Blown type petroleum bitumen of penetration 85/25 of approved quality | tonne | 0.102 | 32166.73 | 3281.01 |
| 2211 | Carriage of Tar bitumen | tonne | 0.102 | 0 | 0.00 |
| | (ii) Weight of coarse aggregate @ 40% (1000 - 150) x 40/100 = 340 kg. Stone aggregate : 340/43.38x0.0283 = 0.222 cum. | | | | |
| 0295 | Stone Aggregate (Single size) : 20 mm nominal size | cum | 0.02 | 556.33 | 11.13 |
| 296 | Stone Aggregate (Single size) : 12.5 mm nominal size | cum | 0.202 | 649.26 | 131.15 |
| | (iii) Weight of fine aggregate @ 15% 850 x15/100 = 127.5 kg., volume of fine aggregate: 127.5/43.103x0.0283 =0.083 cum | | | | |
| 1159 | Stone dust | cum | 0.083 | 99.38 | 8.25 |
| | (iv) Weight of lime stone dust @ 45% (850- 340-127.5) = 382.50 kg., Volume of lime stone dust 382.50/2200 =0.174 cum. | | | | |
| 784 | Marble dust/ powder cum 0.174 1000.00 174.00 | | | | |
| | (v) Precoated stone chipping for surface finish: Volume of chips @ 0.005 cum/10 sqm=17.4x0.005/10 = 0.0087 cum | | | | |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size<br>Bitumen for precoated stone chipping @ 2% =0.009x1600x2/100= 0.288 say 0.30 kg. | cum | 0.009 | 620.42 | 5.58 |
| 313 | Blown type petroleum bitumen of penetration 85/25 of approved quality | tonne | 0.0003 | 32166.73 | 9.65 |
| 2211 | Carriage of Tar bitumen | tonne | 0.0003 | 0 | 0.00 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size (0.222 + 0.009) =0.231 cum. | cum | 0.231 | 0 | 0.00 |
| 2267 | Carriage of Stone dust | cum | 0.083 | 0 | 0.00 |
| 2208 | Carriage of Lime | cum | 0.174 | 108.08 | 18.81 |
| | LABOUR | | | | 0.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 1.5 | 305.00 | 457.50 |
| 130 | Mistry | day | 0.5 | 254.00 | 127.00 |
| 138 | Sprayer (for bitumen, tar etc.) | day | 3.5 | 267.00 | 934.50 |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 0.25 | 305.00 | 76.25 |
| 128 | Mate | day | 0.5 | 270.00 | 135.00 |
| 16 | Mastic Cooker | day | 0.5 | 750.00 | 375.00 |
| 9999 | sundries (Sealing of joints, placing angles, wastage materials) | L.S. | 153.27 | 1.80 | 275.89 |
| | Total | | | | 5846.71 |
| | Add 1 % Water charges | | | | 58.47 |
| | TOTAL | | | | 5905.17 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 829.68 |
| | Total | | | | 6734.85 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1010.23 |
| | Cost for 17.40 sqm | | | | 7745.08 |
| | Cost per sqm | | | | 445.12 |
| | Add 1% labour cess | | | | 4.45 |
| | TOTAL | | | | 449.57 |
| | Say | | | | 449.60 |

**16.37.2 40 mm thick**

Details of cost for surface area of 10.875sqm for single layer of 25 mm finished thickness.

MATERIAL

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Taking wearing coat as 1 tonne and density as 2.3 gm/c.c Volume of bitumen mastic = as 2.3 gm/c.c Volume of bitumen mastic = 1000/2300= 0.435 cum surface area = 0.435/0.040 = 10.875 sqm. | | | | | |
| 313 | Blown type petroleum bitumen of penetration 85/25 of approved quality | tonne | 0.102 | 32166.73 | 3281.01 | |
| 2211 | Carriage of Tar bitumen | tonne | 0.102 | 0 | 0.00 | |
| | (ii) Weight of coarse aggregate @ 40% (1000 - 150) x 40/100 = 340 kg. Stone aggregate : 340/43.38x0.0283 = 0.222 cum. | | | | | |
| 295 | Stone Aggregate (Single size) : 20 mm nominal size | cum | 0.02 | 556.33 | 11.13 | |
| 296 | Stone Aggregate (Single size) : 12.5 mm nominal size | cum | 0.202 | 649.26 | 131.15 | |
| | (iii) Weight of fine aggregate @ 15% 850 x15/100 = 127.5 kg., volume of fine aggregate: 127.5/43.103x0.0283 =0.083 cum | | | | 0.00 | |
| 1159 | Stone dust | cum | 0.083 | 99.38 | 8.25 | |
| | (iv) Weight of lime stone dust @ 45% (850- 340-127.5) = 382.50 kg., Volume of lime stone dust 382.50/2200 =0.174 cum. | | | | 0.00 | |
| 784 | Marble dust/ powder | cum | 0.174 | 930.72 | 161.95 | |
| | (v) Precoated stone chipping for surface finish: Volume of chips @ 0.005 cum/10 sqm=17.4x0.005/10 = 0.0087 cum saysqm=17.4x0.005/10 = 0.0087 cum say 0.009 cum | | | | 0.00 | |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size | cum | 0.009 | 620.42 | 5.58 | |
| | Bitumen for precoated stone chipping @ 2% =0.009x1600x2/100= 0.288 say 0.30 kg. | | | | 0.00 | |
| 313 | Blown type petroleum bitumen of penetration 85/25 of approved quality | tonne | 0.0003 | 32166.73 | 9.65 | |
| 2211 | Carriage of Tar bitumen | tonne | 0.0003 | 0 | 0.00 | |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size (0.222 + 0.009) =0.231 cum | cum | 0.231 | 0 | 0.00 | |
| 2267 | Carriage of Stone dust | cum | 0.083 | 0 | 0.00 | |
| 2208 | Carriage of Lime | cum | 0.174 | 108.0789 | 18.81 | |
| | for mastic cooker (Taking capacity of cooker as one tonne) | | | | 0.00 | |
| | LABOUR | | | | 0.00 | |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 1.5 | 305.00 | 457.50 | |
| 130 | Mistry | day | 0.5 | 254.00 | 127.00 | |
| 138 | Sprayer (for bitumen, tar etc.) | day | 3.5 | 267.00 | 934.50 | |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 0.25 | 305.00 | 76.25 | |
| 128 | Mate | day | 0.5 | 270.00 | 135.00 | |
| 16 | Mastic Cooker | day | 0.5 | 750.00 | 375.00 | |
| 9999 | sundries (Sealing of joints, placing angles, wastage materials) | L.S. | 153.27 | 1.80 | 275.89 | |
| | Total | | | | 6008.65 | |
| | Add 1 % Water charges | | | | 60.09 | |
| | TOTAL | | | | 6068.74 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 852.66 | |
| | Total | | | | 6921.40 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1038.21 | |
| | Cost for 10.875 sqm | | | | 7959.61 | |
| | Cost per sqm | | | | 731.92 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add 1% labour cess | | | | 7.32 |
| | TOTAL | | | | 739.24 |
| | Say | | | | 739.20 |
| **16.38** | **2.5 cm thick bitumastic sheet with hot bitumen of approved quality, using stone chippings (60% with 12.5 mm nominal size and 40% with 10 mm nominal size) @1.65 cum per 100 sqm and coarse sand @ 1.65 cum per 100 sqm of road surface and with bitumen @ 56 kg/cum of stone chippings and @ 128 kg/cum of sand over a tack coat with hot straight run bitumen, including consolidation with road roller of 8 to 10 tonne etc. complete. (tack coat to be paid separately) :** | | | | |
| **16.38.1** | **With paving Asphalt grade VG - 10 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt** | | | | |
| | Details of cost for 100sqm.<br>80/100 bitumen @56kg. per cum. Of aggregate and<br>128kg. per cum. of sand: 56x1.65=92.4kg. = 0.092t<br>+128x1.65 = 211.2kg = 0.211t | | | | |
| | MATERIAL | | | | |
| 2916 | Paving Asphalt VG -10 of approved quality Solvent 0.070 kg. x 303 kg. = 21.21kg | tonne | 0.303 | 27549.41 | 8347.47 |
| 2914 | Solvent | kilogram | 21.21 | 23.27 | 493.52 |
| 2211 | Carriage of Tar bitumen | tonne | 0.303 | 0 | 0.00 |
| 2342 | Carriage of solvent/ Diesel. | quintal | 0.212 | 10.81 | 2.29 |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size | cum | 0.99 | 649.26 | 642.77 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size | cum | 0.66 | 620.42 | 409.48 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 1.65 | 0 | 0.00 |
| 370 | Coal (steam) | quintal | 0.606 | 372.29 | 225.61 |
| 2200 | Carriage of steam coal | tonne | 0.0606 | 123.51 | 7.48 |
| 982 | Coarse sand (zone III) | cum | 1.65 | 160.69 | 265.14 |
| 2203 | Carriage of Coarse sand | cum | 1.65 | 0 | 0.00 |
| | Labour for cleaning road surface, heating bitumen mixing and spreading aggregate :<br>(a) For cleaning : | | | | |
| 128 | Mate | day | 0.16 | 270.00 | 43.20 |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 |
| 115 | Coolie | day | 1.4 | 265.00 | 371.00 |
| | (b) For heating bitumen : | | | | |
| 114 | Beldar | day | 1.19 | 254.00 | 302.26 |
| | (c) For cleaning, mixing and spreading pre-mix aggregate : | | | | |
| 130 | Mistry | day | 0.24 | 254.00 | 60.96 |
| 114 | Beldar | day | 6.12 | 254.00 | 1554.48 |
| | (d) Consolidation charges : | | | | |
| 113 | Chowkidar (at barriers for night watch and for road roller) | day | 0.34 | 267.00 | 90.78 |
| 101 | Bhisti | day | 0.13 | 277.00 | 36.01 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.13 | 2200.00 | 286.00 |
| 1 | Hire charges of Coaltar Boiler 900 to1400 litres | day | 0.21 | 800 | 168.00 |
| 23 | Hot Bitumen mixer 0.5 cum i/c hand cart | day | 0.05 | 3500.00 | 175.00 |
| | (e) Misc : | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Wire brush (with thick wire) | | | | |
| 364 | Wire brush | each | 0.13 | 18.61 | 2.42 |
| 365 | Soft brush | each | 0.4 | 16.75 | 6.70 |
| 9999 | Brooms and gunny bags | L.S. | 7.15 | 1.80 | 12.87 |
| 9999 | Sundries | L.S. | 8.97 | 1.80 | 16.15 |
| | TOTAL | | | | 13875.18 |
| | Add 1 % Water charges | | | | 138.75 |
| | TOTAL | | | | 14013.93 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1968.96 |
| | Total | | | | 15982.89 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 2397.43 |
| | Cost for 100 sqm. | | | | 18380.33 |
| | Cost per sqm. | | | | 183.80 |
| | Add 1% labour cess | | | | 1.84 |
| | TOTAL | | | | 185.64 |
| | Say | | | | 185.60 |
| **16.38.2** | **With paving Asphalt grade VG - 30**<br>Details of cost for 100sqm.<br>60/70 bitumen @56kg. per cum. Of aggregate and 128kg. per cum. of sand: 56x1.65=92.4kg. = 0.092t + 128x1.65 = 211.2kg = 0.211t Total= 0.303t | | | | |
| | MATERIAL | | | | |
| 7309 | Paving Asphalt VG-30 of approved quality | tonne | 0.303 | 28401.96 | 8605.79 |
| 2211 | Carriage of Tar bitumen | tonne | 0.303 | 0 | 0.00 |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size | cum | 0.99 | 649.26 | 642.77 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size | cum | 0.66 | 620.42 | 409.48 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size<br>Steam coal for heating bitumen @ 2 quintals per tonne of bitumen = 2x0.303=0.606q | cum | 1.65 | 0 | 0.00 |
| 370 | Coal (steam) | quintal | 0.606 | 372.29 | 225.61 |
| 2200 | Carriage of steam coal | tonne | 0.0606 | 123.51 | 7.48 |
| 982 | Coarse sand (zone III) | cum | 1.65 | 160.69 | 265.14 |
| 2203 | Carriage of Coarse sand | cum | 1.65 | 0 | 0.00 |
| | Labour for cleaning road surface, heating bitumen mixing and spreading aggregate : | | | | 0.00 |
| | (a) For cleaning : | | | | 0.00 |
| 128 | Mate | day | 0.16 | 270.00 | 43.20 |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 |
| 115 | Coolie | day | 1.4 | 265.00 | 371.00 |
| | (b) For heating bitumen : | | | | 0.00 |
| 114 | Beldar | day | 1.19 | 254.00 | 302.26 |
| | (c) For cleaning, mixing and spreading pre-mix aggregate : | | | | 0.00 |
| 130 | Mistry | day | 0.24 | 254.00 | 60.96 |
| 114 | Beldar | day | 6.12 | 254.00 | 1554.48 |
| | (d) Consolidation charges : | | | | 0.00 |
| 113 | Chowkidar (at barriers for night watch and for road roller) | day | 0.34 | 267.00 | 90.78 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 101 | Bhisti | day | 0.13 | 277.00 | 36.01 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.13 | 2200.00 | 286.00 |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.21 | 800 | 168.00 |
| 23 | Hot Bitumen mixer 0.5 cum i/c hand cart | day | 0.05 | 3500.00 | 175.00 |
| | (e) Misc : | | | | 0.00 |
| 364 | Wire brush (with thick wire) | each | 0.13 | 18.61 | 2.42 |
| 365 | Soft brush | each | 0.4 | 16.75 | 6.70 |
| 9999 | Brooms and gunny bags | L.S. | 7.15 | 1.80 | 12.87 |
| 9999 | Sundries | L.S. | 8.97 | 1.80 | 16.15 |
| | TOTAL | | | | 13637.69 |
| | Add 1 % Water charges | | | | 136.38 |
| | TOTAL | | | | 13774.07 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1935.26 |
| | Total | | | | 15709.33 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 2356.40 |
| | Cost for 100 sqm. | | | | 18065.73 |
| | Cost per sqm. | | | | 180.66 |
| | Add 1% labour cess | | | | 1.81 |
| | TOTAL | | | | 182.46 |
| | Say | | | | 182.50 |
| 16.38.3 | With Refinery Modified Bitumen CRMB 55 conforming to IRC: SP : 53<br>Details of cost for 100sqm.<br>MATERIAL | | | | |
| 7739 | Modified Bitumen Refinary produced CRMB - 55 @56kg. per cum. of aggregate and 128kg. per cum. of sand: 56x1.65=92.4kg. = 0.092t + 128x1.65 = 211.2kg = 0.211t Total = 0.303 t | tonne | 0.303 | 36387.00 | 11025.26 |
| 2914 | Solvent 0.070 kg. x 303 kg. = 21.21kg | kilogram | 21.21 | 23.27 | 493.52 |
| | | | | | 0.00 |
| 2211 | Carriage of Tar bitumen | tonne | 0.303 | 0 | 0.00 |
| 2342 | Carriage of solvent/ Diesel. | quintal | 0.212 | 10.81 | 2.29 |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size | cum | 0.99 | 649.26 | 642.77 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size | cum | 0.66 | 620.42 | 409.48 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 1.65 | 0 | 0.00 |
| 370 | Coal (steam) | quintal | 0.606 | 372.29 | 225.61 |
| 2200 | Carriage of steam coal | tonne | 0.0606 | 123.51 | 7.48 |
| 982 | Coarse sand (zone III) | cum | 1.65 | 160.69 | 265.14 |
| 2203 | Carriage of Coarse sand | cum | 1.65 | 0 | 0.00 |
| | Labour for cleaning road surface, heating bitumen mixing and spreading aggregate : | | | | 0.00 |
| | (a) For cleaning : | | | | 0.00 |
| 128 | Mate | day | 0.16 | 270.00 | 43.20 |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 |
| 115 | Coolie | day | 1.4 | 265.00 | 371.00 |
| | (b) For heating bitumen : | | | | 0.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 114 | Beldar | day | 1.19 | 254.00 | 302.26 |
| | (c) For cleaning, mixing and spreading | | | | 0.00 |
| | pre-mix aggregate : | | | | 0.00 |
| 130 | Mistry | day | 0.24 | 254 | 60.96 |
| 114 | Beldar | day | 6.12 | 254.00 | 1554.48 |
| | (d) Consolidation charges : | | | | 0.00 |
| 113 | Chowkidar | day | 0.34 | 267.00 | 90.78 |
| 101 | Bhisti | day | 0.13 | 277.00 | 36.01 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.13 | 2200.00 | 286.00 |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.21 | 800 | 168.00 |
| 23 | Hot Bitumen mixer 0.5 cum i/c hand cart | day | 0.05 | 3500.00 | 175.00 |
| | (e) Misc : | | | | 0.00 |
| 364 | Wire brush (with thick wire) | each | 0.13 | 18.61 | 2.42 |
| 365 | Soft brush | each | 0.4 | 16.75 | 6.70 |
| 9999 | Brooms and gunny bags | L.S. | 7.15 | 1.80 | 12.87 |
| 9999 | Sundries | L.S. | 8.97 | 1.80 | 16.15 |
| | TOTAL | | | | 16552.97 |
| | Add 1 % Water charges | | | | 165.53 |
| | TOTAL | | | | 16718.50 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 2348.95 |
| | Total | | | | 19067.45 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 2860.12 |
| | Cost for 100 sqm. | | | | 21927.57 |
| | Cost per sqm. | | | | 219.28 |
| | Add 1% labour cess | | | | 2.19 |
| | TOTAL | | | | 221.47 |
| | Say | | | | 221.50 |

**16.39 4 cm thick bitumastic sheet with hot bitumen of approved quality, using stone chippings (60% with 12.5 mm nominal size and 40% with 10 mm nominal size) @ 2.60 cum per 100 sqm and coarse sand @ 2.60 cum per 100 sqm of road surface and with bitumen @ 56 kg/cum of stone chippings and @ 128 kg/cum of sand over a tack coat with hot straight run bitumen, including consolidation with road roller of 8 to 10 tonne etc. complete. (tack coat to be paid separately) :**

**16.39.1 With paving Asphalt grade VG - 10 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt**

Details of cost for 100sqm.

MATERIAL

| | | | | | |
|---|---|---|---|---|---|
| 2916 | Paving Asphalt VG -10 of approved quality @56kg. per cum. of aggregate and 128kg. per cum. of sand:<br>56x2.60=145.6kg. = 0.146t +<br>128x2.60 = 332.8kg = 0.333t<br>Total = 0.479 t | tonne | 0.479 | 27549.41 | 13196.17 |
| 2914 | Solvent 0.70kg.x479=33.53kg | kilogram | 33.53 | 23.27 | 780.18 |
| 2342 | Carriage of solvent/ Diesel. | quintal | 0.335 | 10.81 | 3.62 |
| 2211 | Carriage of Tar bitumen | tonne | 0.479 | 0 | 0.00 |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size | cum | 1.56 | 649.26 | 1012.85 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size | cum | 1.04 | 620.42 | 645.24 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 2.6 | 0 | 0.00 |
| 982 | Coarse sand (zone III) | cum | 2.6 | 160.69 | 417.79 |
| 2203 | Carriage of Coarse sand | cum | 2.6 | 0 | 0.00 |
| | Steam coal for heating bitumen @ 2 qunitals per tonne of bitumen = 2x0.479=0.958q | | | | |
| 370 | Coal (steam) | quintal | 0.958 | 372.29 | 356.65 |
| 2200 | Carriage of steam coal | tonne | 0.0958 | 123.51 | 11.83 |
| | Labour for cleaning road surface, heating bitumen mixing and spreading aggregate : | | | | |
| | (a) For cleaning : | | | | |
| 128 | Mate | day | 0.16 | 270.00 | 43.20 |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 |
| 115 | Coolie | day | 1.4 | 265.00 | 371.00 |
| | (b) For heating bitumen : | | | | 0.00 |
| 114 | Beldar | day | 1.88 | 254.00 | 477.52 |
| | (c) For cleaning, mixing and spreading pre-mix aggregate : | | | | |
| 130 | Mistry | day | 0.31 | 254 | 78.74 |
| 114 | Beldar | day | 9.46 | 254.00 | 2402.84 |
| | (d) Consolidation charges : | | | | 0.00 |
| 113 | Chowkidar | day | 0.45 | 267.00 | 120.15 |
| 101 | Bhisti | day | 0.18 | 277.00 | 49.86 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.18 | 2200.00 | 396.00 |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.3 | 800 | 240.00 |
| 23 | Hot Bitumen mixer 0.5 cum i/c hand cart | day | 0.03 | 3500.00 | 105.00 |
| | (e) Misc : | | | | |
| 364 | Wire brush (with thick wire) | each | 0.09 | 18.61 | 1.68 |
| 365 | Soft brush | each | 0.27 | 16.75 | 4.52 |
| 9999 | Brooms and gunny bags | L.S. | 5.33 | 1.80 | 9.59 |
| 9999 | Sundries | L.S. | 16.12 | 1.80 | 29.02 |
| | TOTAL | | | | 21109.05 |
| | Add 1 % Water charges | | | | 211.09 |
| | TOTAL | | | | 21320.14 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 2995.48 |
| | Total | | | | 24315.62 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 3647.34 |
| | Cost for 100 sqm. | | | | 27962.96 |
| | Cost per sqm. | | | | 279.63 |
| | Add 1% labour cess | | | | 2.80 |
| | TOTAL | | | | 282.43 |
| | Say | | | | 282.40 |
| **16.39.2** | **With paving asphalt grade VG - 30 with no solvent** | | | | |
| | Details of cost for 100sqm. | | | | |
| | MATERIAL | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 7309 | Paving Asphalt VG-30 of approved quality @56kg. per cum. of aggregate and 128kg. per cum. of sand:<br>56x2.60=145.6kg. = 0.146t +<br>128x2.60 = 332.8kg = 0.333t<br>Total = 0.479 t | tonne | 0.479 | 28401.96 | 13604.54 |
| 2211 | Carriage of Tar bitumen | tonne | 0.479 | 0 | 0.00 |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size | cum | 1.56 | 649.26 | 1012.85 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size | cum | 1.04 | 620.42 | 645.24 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 2.6 | 0 | 0.00 |
| 982 | Coarse sand (zone III) | cum | 2.6 | 160.69 | 417.79 |
| 2203 | Carriage of Coarse sand | cum | 2.6 | 0 | 0.00 |
| | Steam coal for heating bitumen @ 2 qunitals per tonne of bitumen =2x0.479=0.958 qtl | | | | |
| 370 | Coal (steam) | quintal | 0.958 | 372.29 | 356.65 |
| 2200 | Carriage of steam coal | tonne | 0.0958 | 123.51 | 11.83 |
| | Labour for cleaning road surface, heating bitumen mixing and spreading aggregate : | | | | |
| | (a) For cleaning : | | | | |
| 128 | Mate | day | 0.16 | 270.00 | 43.20 |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 |
| 115 | Coolie | day | 1.4 | 265.00 | 371.00 |
| | (b) For heating bitumen : | | | | |
| 114 | Beldar | day | 1.88 | 254.00 | 477.52 |
| | (c) For cleaning, mixing and spreading pre-mix aggregate : | | | | |
| 130 | Mistry | day | 0.31 | 254 | 78.74 |
| 114 | Beldar | day | 9.46 | 254.00 | 2402.84 |
| | (d) Consolidation charges : | | | | |
| 113 | Chowkidar | day | 0.45 | 267.00 | 120.15 |
| 101 | Bhisti | day | 0.18 | 277.00 | 49.86 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.18 | 2200.00 | 396.00 |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.3 | 800 | 240.00 |
| 23 | Hot Bitumen mixer 0.5 cum i/c hand cart | day | 0.03 | 3500.00 | 105.00 |
| | (e) Brushes etc. for cleaning :- | | | | 0.00 |
| 364 | Wire brush (with thick wire) | each | 0.09 | 18.61 | 1.68 |
| 365 | Soft brush | each | 0.27 | 16.75 | 4.52 |
| 9999 | Brooms and gunny bags | L.S. | 5.33 | 1.80 | 9.59 |
| 9999 | Sundries | L.S. | 16.12 | 1.80 | 29.02 |
| | TOTAL | | | | 20733.62 |
| | Add 1 % Water charges | | | | 207.34 |
| | TOTAL | | | | 20940.95 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 2942.20 |
| | Total | | | | 23883.16 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 3582.47 |
| | Cost for 100 sqm. | | | | 27465.63 |
| | Cost per sqm. | | | | 274.66 |
| | Add 1% labour cess | | | | 2.75 |
| | TOTAL | | | | 277.40 |
| | Say | | | | 277.40 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **16.39.3** | **With Refinery Modified Bitumen CRMB 55 conforming to IRC: SP : 53** | | | | |
| | Details of cost for 100sqm. | | | | |
| | MATERIAL | | | | |
| 7739 | Modified Bitumen Refinary produced CRMB - 55 @56kg. per cum. of aggregate and 128kg. per cum. of sand: 56x2.60=145.6kg. = 0.146t + 128x2.60 = 332.8kg = 0.333t Total = 0.479 tonne | tonne | 0.479 | 36387.00 | 17429.37 |
| 2914 | Solvent 0.70kg.x479=33.53kg. | kilogram | 33.53 | 23.27 | 780.18 |
| 2342 | Carriage of solvent/ Diesel. | quintal | 0.335 | 10.81 | 3.62 |
| 2211 | Carriage of Tar bitumen | tonne | 0.479 | 0 | 0.00 |
| 2910 | Stone chippings/ screenings 12.5/ 13.2 mm nominal size | cum | 1.56 | 649.26 | 1012.85 |
| 2911 | Stone chippings/ screenings 10/ 11.2 mm nominal size | cum | 1.04 | 620.42 | 645.24 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 2.6 | 0 | 0.00 |
| 982 | Coarse sand (zone III) | cum | 2.6 | 160.69 | 417.79 |
| 2203 | Carriage of Coarse sand | cum | 2.6 | 0 | 0.00 |
| | Steam coal for heating bitumen @ 2 qunitals per tonne of bitumen = 2x0.479=0.958q | | | | 0.00 |
| 370 | Coal (steam) | quintal | 0.958 | 372.29 | 356.65 |
| 2200 | Carriage of steam coal | tonne | 0.0958 | 123.51 | 11.83 |
| | Labour for cleaning road surface, heating bitumen mixing and spreading aggregate : | | | | 0.00 |
| | (a) For cleaning : | | | | 0.00 |
| 128 | Mate | day | 0.16 | 270.00 | 43.20 |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 |
| 115 | Coolie | day | 1.4 | 265.00 | 371.00 |
| | (b) For heating bitumen : | | | | 0.00 |
| 114 | Beldar | day | 1.88 | 254.00 | 477.52 |
| | (c) For cleaning, mixing and spreading | | | | 0.00 |
| | pre-mix aggregate : | | | | 0.00 |
| 130 | Mistry | day | 0.31 | 254 | 78.74 |
| 114 | Beldar | day | 9.46 | 254.00 | 2402.84 |
| | (d) Consolidation charges : | | | | 0.00 |
| 113 | Chowkidar | day | 0.45 | 267.00 | 120.15 |
| 101 | Bhisti | day | 0.18 | 277.00 | 49.86 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.18 | 2200.00 | 396.00 |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.3 | 800 | 240.00 |
| 23 | Hot Bitumen mixer 0.5 cum i/c hand cart | day | 0.03 | 3500.00 | 105.00 |
| | (e) Misc : | | | | 0.00 |
| 364 | Wire brush (with thick wire) | each | 0.09 | 18.61 | 1.68 |
| 365 | Soft brush | each | 0.27 | 16.75 | 4.52 |
| 9999 | Brooms and gunny bags | L.S. | 5.33 | 1.80 | 9.59 |
| 9999 | Sundries | L.S. | 16.12 | 1.80 | 29.02 |
| | TOTAL | | | | 25342.25 |
| | Add 1 % Water charges | | | | 253.42 |
| | TOTAL | | | | 25595.68 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 3596.19 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Total | | | | 29191.87 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 4378.78 |
| | TOTAL | | | | 33570.65 |
| | Cost for 100 sqm. | | | | 335.71 |
| | Cost per sqm. | | | | 3.36 |
| | Add 1% labour cess | | | | 339.06 |
| | TOTAL | | | | 339.06 |
| | Say | | | | 339.10 |
| **16.40** | **Providing and laying seal coat of premixed fine aggregate ( passing 2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg of bitumen of grade VG - 10 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface, including rolling and finishing with road roller all complete.** | | | | |
| | Details of cost for 100sqm. | | | | |
| | MATERIAL | | | | |
| 2916 | Paving Asphalt VG -10 of approved quality @ 128kg/cum. of sand 128x0.60 = 76.80kg. = 0.0768 m.t | tonne | 0.0768 | 27549.41 | 2115.79 |
| 2211 | Carriage of Tar bitumen | tonne | 0.0768 | 0 | 0.00 |
| 982 | Coarse sand (zone III) | cum | 0.6 | 160.69 | 96.41 |
| 2203 | Carriage of Coarse sand | cum | 0.6 | 0 | 0.00 |
| | Steam coal for heating bitumen @ 2 qunitals per tonne of bitumen =2x0.768=0.1.536 qtl | | | | |
| 370 | Coal (steam) | quintal | 1.536 | 372.29 | 571.84 |
| 2200 | Carriage of steam coal | tonne | 0.1536 | 123.51 | 18.97 |
| | Labour for cleaning road surface, heating bitumen mixing and spreading aggregate : | | | | |
| | (a) For cleaning : | | | | |
| 128 | Mate | day | 0.06 | 270.00 | 16.20 |
| 114 | Beldar | day | 0.49 | 254.00 | 124.46 |
| 115 | Coolie | day | 0.97 | 265.00 | 257.05 |
| | (b) For heating bitumen : | | | | 0.00 |
| 114 | Beldar 0.38/96x76.8 | day | 0.3 | 254.00 | 76.20 |
| | (c) For cleaning, mixing and spreading pre-mix aggregate : | | | | |
| 114 | Beldar 11.39/0.75x0.60 | day | 1.11 | 254.00 | 281.94 |
| 130 | Mistry 0.06/0.75x0.60 | day | 0.05 | 254 | 12.70 |
| | (d) Miscellaneous : | | | | |
| 113 | Chowkidar | day | 0.15 | 267.00 | 40.05 |
| 101 | Bhisti | day | 0.06 | 277.00 | 16.62 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.06 | 2200.00 | 132.00 |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.05 | 800 | 40.00 |
| 23 | Hot Bitumen mixer 0.5 cum i/c hand cart | day | 0.01 | 3500.00 | 35.00 |
| | (e) Misc : | | | | |
| 364 | Wire brush (with thick wire) | each | 0.05 | 18.61 | 0.93 |
| 365 | Soft brush | each | 0.12 | 16.75 | 2.01 |
| 9999 | Sundries | L.S. | 18.2 | 1.80 | 32.76 |
| | TOTAL | | | | 3870.94 |
| | Add 1 % Water charges | | | | 38.71 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 3909.65 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 549.31 |
| | Total | | | | 4458.95 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 668.84 |
| | Cost for 100 sqm. | | | | 5127.80 |
| | Cost per sqm. | | | | 51.28 |
| | add 1% labour cess | | | | 0.51 |
| | Total | | | | 51.79 |
| | Say | | | | 51.80 |
| 16.41 | **Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG - 10 and blinding surface with 0.90 cum of stone aggregate of 6.7 mm size (Passing 11.2 mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface, including rolling and finishing with power road roller all complete.** | | | | |
| | Details of cost for 100sqm. | | | | |
| | MATERIAL | | | | |
| 2916 | Paving Asphalt VG -10 of approved quality | tonne | 0.098 | 27549.41 | 2699.84 |
| 2211 | Carriage of Tar bitumen | tonne | 0.098 | 0 | 0.00 |
| 298 | Stone Aggregate (Single size) : 06 mm nominal size | cum | 0.9 | 412.49 | 371.24 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 0.9 | 0 | 0.00 |
| | Steam coal for heating bitumen @ 2 qunitals per tonne of bitumen =2x0.0.98=1.96 qtl | | | | |
| 370 | Coal (steam) | quintal | 1.96 | 372.29 | 729.69 |
| 2200 | Carriage of steam coal | tonne | 0.196 | 123.51 | 24.21 |
| | Labour for cleaning road surface, heating bitumen mixing and spreading aggregate : | | | | |
| | (a) For heating and spraying bitumen : | | | | |
| 130 | Mistry | day | 0.04 | 254 | 10.16 |
| 138 | Sprayer (for bitumen, tar etc.) | day | 0.06 | 267.00 | 16.02 |
| 114 | Beldar | day | 0.69 | 254.00 | 175.26 |
| | (b) For cleaning : | | | | |
| 128 | Mate | day | 0.11 | 270.00 | 29.70 |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 |
| 115 | Coolie | day | 1.4 | 265.00 | 371.00 |
| | (c) For screening and spraying aggregate : | | | | 0.00 |
| 128 | Mate | day | 0.05 | 270.00 | 13.50 |
| 114 | Beldar | day | 0.51 | 254.00 | 129.54 |
| | (d) Misc : | | | | |
| 113 | Chowkidar | day | 0.15 | 267.00 | 40.05 |
| 101 | Bhisti | day | 0.06 | 277.00 | 16.62 |
| 3 | Hire charges of Diesel Road Roller - 8 to 10 tonne | day | 0.06 | 2200.00 | 132.00 |
| 7 | Hire charges of Coaltar Sprayer | day | 0.06 | 250.00 | 15.00 |
| 1 | Hire charges of Coaltar Boiler 900 to 1400 litres | day | 0.06 | 800 | 48.00 |
| | (e) Misc : | | | | |
| 364 | Wire brush (with thick wire) | each | 0.05 | 18.61 | 0.93 |
| 365 | Soft brush | each | 0.12 | 16.75 | 2.01 |
| 9999 | Sundries | L.S. | 18.2 | 1.80 | 32.76 |
| 9999 | Brooms and gunny bags | L.S. | 2.73 | 1.80 | 4.91 |
| | TOTAL | | | | 5218.04 |
| | Add 1 % Water charges | | | | 52.18 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 5270.22 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 740.47 | |
| | Total | | | | 6010.69 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 901.60 | |
| | Cost for 100 sqm. | | | | 6912.30 | |
| | Cost per sqm. | | | | 69.12 | |
| | add 1% labour cess | | | | 0.69 | |
| | Total | | | | 69.81 | |
| | Say | | | | 69.80 | |
| **16.42** | **Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.** | | | | | |
| | Details of cost for 1.00 cum. | | | | | |
| | MATERIAL | | | | | |
| 293 | Stone Aggregate (Single size) : 40 mm nominal size | cum | 0.52 | 445.22 | 231.51 | |
| 295 | Stone Aggregate (Single size) : 20 mm nominal size | cum | 0.22 | 556.33 | 122.39 | |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size | cum | 0.11 | 620.42 | 68.25 | |
| 2206 | Carriage of Stone aggregate 40 mm nominal size | cum | 0.52 | 0.00 | 0.00 | |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 0.33 | 0 | 0.00 | |
| 982 | Coarse sand (zone III) | cum | 0.445 | 160.69 | 71.51 | |
| 2203 | Carriage of Coarse sand | cum | 0.445 | 0.00 | 0.00 | |
| 367 | Portland Cement (OPC-43 grade) | tonne | 0.32 | 5700 | 1824.00 | |
| 2209 | Carriage of Cement | tonne | 0.32 | 96.07 | 30.74 | |
| | LABOUR | | | | 0.00 | |
| 155 | Mason (average) | day | 0.1 | 305.00 | 30.50 | |
| 114 | Beldar | day | 1.63 | 254.00 | 414.02 | |
| 101 | Bhisti | day | 0.7 | 277.00 | 193.90 | |
| | MACHINERY | | | | | |
| 2 | Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper | day | 0.077 | 800.00 | 61.60 | |
| 12 | Vibrator (Needle type 40 mm) | day | 0.07 | 350.00 | 24.50 | |
| 9999 | Sundries | L.S. | 26 | 1.80 | 46.80 | |
| | Side shuttering Taking the slab to be 5cm thick and width to be 6 metre, length of road 27 metre = 9.90/24.30 = 0.407 sqm | | | | | |
| 5.9.1 | Rate as per item no 5.9.1 of SH : Reinforced cement concrete work | sqm | 0.407 | 184.43 | 75.06 | (A) |
| 9999 | Sundries | L.S. | 1.43 | 1.80 | 2.57 | |
| | TOTAL | | | | 3197.36 | |
| | Add 1 % Water charges on all except (A) | | | | 31.22 | |
| | TOTAL | | | | 3228.58 | (X) |
| | Add GST 12% on "X" except A ( multiplying factor 0.1405) | | | | 443.07 | |
| | Total | | | | 3671.65 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" except A | | | | 539.49 | |
| | TOTAL | | | | 4211.14 | |
| | Cost for 1 cum. | | | | 4211.14 | |
| | add 1% labour cess | | | | 42.11 | |
| | Total | | | | 4253.25 | |
| | Say | | | | 4253.30 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|

**16.43 Providing and laying design mix cement concrete of M-30 grade , in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints ( 10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in- charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately).**

**Note:- Cement content considered in M-30 is @ 340 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately.**

| | | | | | |
|---|---|---|---|---|---|
| 16.43.1 | Cement concrete prepared with batch mixing machine | | | | |
| | Details of cost for 1 cum. | | | | |
| | MATERIAL | | | | |
| 367 | Portland slag Cement | tonne | 0.34 | 5474.00 | 1861.16 |
| 2209 | Carriage of Cement | tonne | 0.34 | 96.07 | 32.66 |
| 293 | Stone Aggregate (Single size) : 40 mm nominal size | cum | 0.52 | 445.22 | 231.51 |
| 295 | Stone Aggregate (Single size) : 20 mm nominal size | cum | 0.22 | 556.33 | 122.39 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size | cum | 0.11 | 620.42 | 68.25 |
| 982 | Coarse sand (zone III) | cum | 0.445 | 160.69 | 71.51 |
| 2206 | Carriage of Stone aggregate 40 mm nominal size and above | cum | 0.52 | 0.00 | 0.00 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 0.33 | 0.00 | 0.00 |
| 2203 | Carriage of Coarse sand | cum | 0.445 | 0.00 | 0.00 |
| | LABOUR :- FOR MIXING AND LAYING | | | | 0.00 |
| 114 | Beldar | day | 2 | 254.00 | 508.00 |
| 101 | Bhisti | day | 0.27 | 277.00 | 74.79 |
| 123 | Mason (brick layer) 1st class | day | 0.05 | 342.00 | 17.10 |
| 124 | Mason (brick layer) 2nd class | day | 0.05 | 305.00 | 15.25 |
| 128 | Mate | day | 0.04 | 270.00 | 10.80 |
| | For compaction by vibrator | | | | 0.00 |
| 155 | Mason (average) | day | 0.07 | 305.00 | 21.35 |
| 114 | Beldar | day | 0.07 | 254.00 | 17.78 |
| | MACHINERY | | | | 0.00 |
| 4 | Production cost of concrete by batch mix plant. (Assuming 25 cum. per day) | cum | 1 | 400.00 | 400.00 |
| 9 | Pumping charges of concrete including Hire charges of pump, piping work & accessories etc. | cum | 1 | 200.00 | 200.00 |
| 21 | Pin vibrator (SHP) with 50 cum. output per day | day | 0.025 | 250.00 | 6.25 |
| | | | | | 0.00 |
| 22 | Surface Vibrator with 25 cum. output per day | day | 0.05 | 250.00 | 12.50 |
| | Add for steel form work | | | | |
| 16.43B | Rate as per Item Number 16.43B of SH: Road work | cum | 1 | 377.44 | 377.44 |
| 9999 | Cutting and making joints | L.S. | 50 | 1.80 | 90.00 |
| | TOTAL | | | | 4138.74 |
| | Add 1 % Water charges | | | | 41.39 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 4180.13 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 587.31 | |
| | Total | | | | 4767.44 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 715.12 | |
| | Cost per cum. | | | | 5482.55 | |
| | add 1% labour cess | | | | 54.83 | |
| | Total | | | | 5537.38 | |
| | Say | | | | 5537.40 | |
| **16.43.2** | **Cement concrete manufactured in automatic batching plant (RMC plant) i/c transportation to site in transit mixer** | | | | | |
| | Details of cost for 1 cum. | | | | | |
| | MATERIAL | | | | | |
| 367 | Portland Cement (OPC-43 grade) | tonne | 0.34 | 5474.00 | 1861.16 | |
| 2209 | Carriage of Cement | tonne | 0.34 | 96.07 | 32.66 | |
| 293 | Stone Aggregate (Single size) : 40 mm nominal size | cum | 0.52 | 445.22 | 231.51 | |
| 295 | Stone Aggregate (Single size) : 20 mm nominal size | cum | 0.22 | 556.33 | 122.39 | |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size | cum | 0.11 | 620.42 | 68.25 | |
| 982 | Coarse sand (zone III) | cum | 0.445 | 160.69 | 71.51 | |
| 2206 | Carriage of Stone aggregate 40 mm nominal size and above | cum | 0.52 | 0.00 | 0.00 | |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 0.33 | 0.00 | 0.00 | |
| 2203 | Carriage of Coarse sand | cum | 0.445 | 0.00 | 0.00 | |
| | LABOUR :- FOR MIXING AND LAYING | | | | | |
| 114 | Beldar | day | 2 | 254.00 | 508.00 | |
| 101 | Bhisti | day | 0.27 | 277.00 | 74.79 | |
| 123 | Mason (brick layer) 1st class | day | 0.05 | 342.00 | 17.10 | |
| 124 | Mason (brick layer) 2nd class | day | 0.05 | 305.00 | 15.25 | |
| 128 | Mate | day | 0.04 | 270.00 | 10.80 | |
| | For compaction by vibrator | | | | | |
| 155 | Mason (average) | day | 0.07 | 305.00 | 21.35 | |
| 114 | Beldar | day | 0.07 | 254.00 | 17.78 | |
| | MACHINERY | | | | | |
| 4 | Production cost of concrete by batch mix plant. (Assuming 25 cum. per day) | cum | 1 | 400.00 | 400.00 | |
| 29 | Carriage of concrete by transit mixer. | km/ cum | 10 | 23.00 | 230.00 | |
| 9 | Pumping charges of concrete including Hire charges of pump, piping work & accessories etc. | cum | 1 | 200.00 | 200.00 | |
| 21 | Pin vibrator (SHP) with 50 cum. output per day | day | 0.025 | 250.00 | 6.25 | |
| 22 | Surface Vibrator with 25 cum. output per day Add for steel form work | day | 0.05 | 250.00 | 12.50 | |
| 16.43B | Rate as per Item Number 16.43B of SH: Road work | cum | 1 | 377.44 | 377.44 | |
| 9999 | Cutting and making joints | L.S. | 50 | 1.80 | 90.00 | |
| | TOTAL | | | | 4368.74 | |
| | Add 1 % Water charges | | | | 43.69 | |
| | TOTAL | | | | 4412.43 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 619.95 | |
| | Total | | | | 5032.38 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 754.86 | |
| | Cost per cum. | | | | 5787.23 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | add 1% labour cess | | | | 57.87 |
| | Total | | | | 5845.11 |
| | Say | | | | 5845.10 |
| **16.43A** | **Annexure 'A' to Item number 16.43** | | | | |
| | Details of cost for 8.5 cum. MATERIAL: | | | | |
| | (i) Painting with primer | | | | |
| | (i) Construction joint 6.15m. long 30cm deep | | | | |
| | 6.15x(0.30+0.01)= 1.91sqm.+(ii) Dummy joints | | | | |
| | 4.61m long and 10cm deep 10mm wide | | | | |
| | 4.6 lx(0.10+0.10+0.01) = 0.97 sqm. | | | | |
| | = 2.88 sqm. | | | | |
| | 2.88sqm. @0.26 lit./sqm. = 0.75 lit. + | | | | |
| | Add 5% wastage = 0.03 | | | | |
| | Total =0.78 lit | | | | |
| 316 | Bitumen solution primer of approved quality | litre | 0.78 | 46.54 | 36.30 |
| 9977 | Carriage | L.S. | 0.91 | 1.80 | 1.64 |
| | (ii) Joint sealing compound (GradeA) for construction joint | | | | |
| | 6.15m long 10mm wide | | | | |
| | 25mm deep. | | | | |
| | 6.15x2x2.5cm = 3075cucm | | | | |
| | For dummy joints | | | | |
| | 461xl.0xl0cm. = 4610cucm. | | | | |
| | = 7685 cum | | | | |
| | Add 5% wastage = 384 cucm | | | | |
| | Total = 8069 cucm | | | | |
| | Say 8.07 cudm. @1.2kg/cudm = 9.68 kg | | | | |
| 314 | Bitumen hot sealing compound : grade A | kilogram | 9.68 | 26.06 | 252.26 |
| 9977 | Carriage | L.S. | 0.91 | 1.80 | 1.64 |
| 370 | Coal (steam) | quintal | 0.015 | 372.29 | 5.58 |
| 9977 | Carriage | L.S. | 0.91 | 1.73 | 1.57 |
| | LABOUR: | | | | 0.00 |
| | (ii) For applying primer qty. = 2.88 sqm | | | | 0.00 |
| 123 | Mason (brick layer) 1st class | day | 3 | 342.00 | 1026.00 |
| 131 | Painter | day | 0.1 | 323.00 | 32.30 |
| | (iii) Labour for heating and filling sealing compound. | | | | 0.00 |
| 124 | Mason (brick layer) 2nd class | day | 0.25 | 305.00 | 76.25 |
| | (iv) Beldar for heating = 0.06 + | | | | 0.00 |
| 114 | Beldar | day | 0.68 | 254.00 | 172.72 |
| | Cost for 8.5 cum | | | | 1606.27 |
| | Cost per cum. | | | | 188.97 |
| | add 1% labour cess | | | | 1.89 |
| | Total | | | | 190.86 |
| | Say | | | | 190.90 |
| **16.43B** | **Annexure 'B' to Item number 16.43** | | | | |
| | ANALYSIS OF ANNEXTURE 'B' 16.43B | | | | |
| | (Required in 16.43) STEEL FORM WORK : | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Part-I Cost of materials : Assuming that pavement 30m long 22.5m wide and 0.30m deep having panel size 6.15x4.61x0.30m or 8.50cu. laid in a day of 8 hrs. Hence form work to be provided for 2 days. | | | | |
| | MATERIAL<br>22x30.75 = 676.50 2x46.10 = 92.20 Total = 768.70m.<br>768.70 @ 83.10 kg/ m = 25.44 M.T | | | | |
| | Total = 768.70m.<br>768.70 @ 83.10 kg/ m = 25.44 M.T.<br>Assuming that channel will become unserviceable after use for 5000 slab (100 times) and salvage value of steel shall fetch 20% of its basic cost. | | | | |
| 1007 | Structurals such as tees,angles channels and R.S. joists | **quintal** | 0.0407104 | 3775 | 153.68 |
| 2205 | Carriage of Steel | tonne | 0.00407104 | 96.07 | 0.39 |
| | Part-II Labour for assembling, errection, dismeritelling and cleaning the shuttering. Assuming that 255 labour for steel shuttering shall be required as compared to timber shuttering. Contact area of 50 slabs of steel shuttering.<br>Long channel = 11x20x0.30 = 66.00<br>= 2x45.10x0.30 = 27.06<br>Total= 93.06 | | | | 0.00 |
| | LABOUR | | | | 0.00 |
| 103 | Blacksmith 2nd class | **day** | 2.86 | 305.00 | 872.30 |
| 114 | Beldar | day | 2.86 | 254.00 | 726.44 |
| | Carriage of steel for extra lead of runway | | | | 0.00 |
| 114 | Beldar | day | 5.73 | 254.00 | 1455.42 |
| | TOTAL | | | | 3208.23 |
| | Cost for 50 slabs / 8.5 cum | | | | 3208.23 |
| | Cost per cum. | | | | 377.44 |
| | add 1% labour cess | | | | 3.77 |
| | Total | | | | 381.21 |
| | Say | | | | 381.20 |
| **16.44** | **Extra for providing and mixing hardening compound of approved quality as per manufacturer's specification in cement concrete.** | | | | |
| | Details of cost for 1 litre | | | | |
| | MATERIAL | | | | |
| 7254 | Hardening compound (including cartage) | litre | 1 | 37.23 | 37.23 |
| | TOTAL | | | | 37.23 |
| | Add 1 % Water charges | | | | 0.37 |
| | TOTAL | | | | 37.60 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 5.28 |
| | Total | | | | 42.88 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 6.43 |
| | Cost per litre | | | | 49.32 |
| | add 1% labour cess | | | | 0.49 |
| | Total | | | | 49.81 |
| | Say | | | | 49.80 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **16.45** | **Providing and fixing in position pre-moulded joint filler in expansion joints.** | | | | | |
| | Details of cost for 18mm thick 15cm deep and 300m in length | | | | | |
| | MATERIAL | | | | | |
| 317 | Premoulded joint filler 12 mm thick = 300x0.15 = 45 sqm. | **sqm** | 45 | 282.01 | 12690.41 | |
| 2211 | Carriage of Tar bitumen 45x0.018 =0.81cum. Weight 256.3kg. per cum. = 256.3x0.81 = 207.6kg. say 0.21 tonne | tonne | 0.21 | 0 | 0.00 | |
| | Labour for fixing etc. : | | | | 0.00 | |
| 124 | Mason (brick layer) 2nd class | day | 1 | 305.00 | 305.00 | |
| 114 | Beldar | day | 3 | 254.00 | 762.00 | |
| 9999 | Sundries | L.S. | 26.91 | 1.80 | 48.44 | |
| | TOTAL | | | | 13805.85 | |
| | Add 1 % Water charges | | | | 138.06 | |
| | TOTAL | | | | 13943.91 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1959.12 | |
| | Total | | | | 15903.03 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 2385.45 | |
| | Cost for 300m length, 18mm width and 15cm depth | | | | 18288.48 | |
| | Cost for one cm. depth one cm. width per metre length. | | | | 2.26 | |
| | add 1% labour cess | | | | 0.02 | |
| | Total | | | | 2.28 | |
| | Say | | | | 2.30 | |
| 16.46 | **Providing and laying in position bitumen hot sealing compound for expansion joints etc.** | | | | | |
| 16.46.1 | **Using grade 'A' sealing compound.** | | | | | |
| | Details of cost for 20mm wide 20mm deep and 300 metres | | | | | |
| | Sealing compound- 300x0.02x0.02 = 0.12cum. Weight 256.3kg. per cum. = 256.3x0.12 = 30.76 kg | | | | | |
| | MATERIAL | | | | | |
| 314 | Bitumen hot sealing compound : grade A | kilogram | 30.76 | 26.06 | 801.61 | |
| 2211 | Carriage of Tar bitumen 30.76 = 0.3076 Say 0.03 tonne | tonne | 0.03 | 0.00 | 0.00 | |
| | Labour for filling : | | | | | |
| 124 | Mason (brick layer) 2nd class | day | 1 | 305.00 | 305.00 | |
| 114 | Beldar | day | 2.5 | 254.00 | 635.00 | |
| 9999 | Sundries | L.S. | 20.67 | 1.80 | 37.21 | |
| | TOTAL | | | | 1778.82 | |
| | Add 1 % Water charges | | | | 17.79 | |
| | TOTAL | | | | 1796.61 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 252.42 | |
| | Total | | | | 2049.03 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 307.35 | |
| | Cost for 20mm depth, 20mm width and 300m length | | | | 2356.39 | |
| | Cost for one cm. depth one cm. width per metre length. | | | | 1.96 | |
| | add 1% labour cess | | | | 0.02 | |
| | Total | | | | 1.98 | |
| | Say | | | | 2.00 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|

**16.47 Painting runway/taxi track/apron marking with adequate nos of coats to give uniform finish with road marking paint of superior make as approved by the Engineer-in- charge, i/c cleaning the surface of ail dirt, scales, oil, grease and other foreign mater;al etc. and lining out complete.**

**16.47.1 New work (Two or more coats)**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for 10sqm. | | | | |
| | MATERIAL | | | | |
| | 1st Coat - 1.66 + 2nd Coat -1.13 | | | | |
| | Total = 2.79 | | | | |
| **7256** | Superior quality road making paint (water based) | **litre** | **2.79** | **120.55** | **336.35** |
| 9977 | Carriage of paint | L.S. | 5.07 | 1.80 | 9.14 |
| | LABOUR | | | | |
| 131 | Painter | day | 0.54 | 323.00 | 174.42 |
| 114 | Beldar | day | 0.54 | 254.00 | 137.16 |
| | Sundries | L.S. | 36.4 | 1.80 | |
| 9999 | (including painting brush, wire brush, labour for controlling traffic and other T&P etc.) | | | | 65.52 |
| | TOTAL | | | | 722.58 |
| | Add 1 % Water charges | | | | 7.23 |
| | TOTAL | | | | 729.81 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 102.54 |
| | Total | | | | 832.35 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 124.85 |
| | Cost for 10 sqm. | | | | 957.20 |
| | Cost per sqm. | | | | 95.72 |
| | add 1% labour cess | | | | 0.96 |
| | Total | | | | 96.68 |
| | Say | | | | 96.70 |

**16.47.2 Old work (One or more coats)**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for 10sqm. | | | | |
| | MATERIAL | | | | |
| 7256 | Superior quality road marking paint (water based) | litre | 1.66 | 120.55 | 200.12 |
| 9977 | Carriage of paint | L.S. | 1.12 | 1.80 | 2.02 |
| | LABOUR | | | | 0.00 |
| 131 | Painter | day | 0.36 | 323.00 | 116.28 |
| 114 | Beldar | day | 0.36 | 254.00 | 91.44 |
| | Sundries | L.S. | 24.44 | 1.80 | |
| 9999 | (including painting brush, wire brush, labour for controlling traffic and other T&P etc.) | | | | 43.99 |
| | TOTAL | | | | 453.85 |
| | Add 1 % Water charges | | | | 4.54 |
| | TOTAL | | | | 458.39 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 64.40 |
| | Total | | | | 522.79 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 78.42 |
| | Cost for 10 sqm. | | | | 601.21 |
| | Cost per sqm. | | | | 60.12 |
| | add 1% labour cess | | | | 0.60 |
| | Total | | | | 60.72 |
| | Say | | | | 60.70 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **16.48** | **Painting road surface marking with adequate nos of coats to give uniform finish with ready mixed road marking paint conforming to IS : 164, on bituminous surface in white/yellow shade, including cleaning the surface of all dirt, scales, oil, grease and foreign material etc. complete.** | | | | |
| 16.48.1 | New work (Two or more coats) | | | | |
| | barricading | | | | |
| | MATERIAL | | | | |
| 7255 | Road marking paint (spirit based) (confirming to IS 164 spirit base) | litre | 1.48 | 103.33 | 152.93 |
| 9977 | Carriage of paint (1.48/0.8x0.08x6.9) | L.S. | 2.65 | 1.80 | 4.77 |
| | LABOUR | | | | 0.00 |
| 128 | Mate | day | 0.1 | 270.00 | 27.00 |
| 131 | Painter | day | 0.54 | 323.00 | 174.42 |
| 114 | Beldar | day | 1.68 | 254.00 | 426.72 |
| | for stretching of rope & erecting of | | | | 0.00 |
| 9999 | Sundries (including painting brush, wire brush, labour for controlling traffic and other T&P etc.) | L.S. | 36.4 | 1.80 | 65.52 |
| | TOTAL | | | | 851.37 |
| | Add 1 % Water charges | | | | 8.51 |
| | TOTAL | | | | 859.88 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 120.81 |
| | Total | | | | 980.69 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 147.10 |
| | Cost for 10 sqm. | | | | 1127.80 |
| | Cost per sqm. | | | | 112.78 |
| | add 1% labour cess | | | | 1.13 |
| | Total | | | | 113.91 |
| | Say | | | | 113.90 |
| **16.48.2** | **Old work (One or more coats)** | | | | |
| | Details of cost for 10sqm. | | | | |
| | MATERIAL | | | | |
| 7255 | Road marking paint (spirit based) (confirming to IS 164 spirit base) | litre | 0.89 | 103.33 | 91.97 |
| 9977 | Carriage of paint. | L.S. | 0.65 | 1.80 | 1.17 |
| | LABOUR | | | | 0.00 |
| 128 | Mate | day | 0.06 | 270.00 | 16.20 |
| 131 | Painter | day | 0.36 | 323.00 | 116.28 |
| 114 | Beldar | day | 1.12 | 254.00 | 284.48 |
| | (stretching of rope & erecting of barricading etc.) | | | | 0.00 |
| 9999 | Sundries (including painting brush, wire brush, labour for controlling traffic and other T&P etc.) | L.S. | 24.44 | 1.80 | 43.99 |
| | TOTAL | | | | 554.09 |
| | Add 1 % Water charges | | | | 5.54 |
| | TOTAL | | | | 559.63 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 78.63 |
| | Total | | | | 638.26 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 95.74 |
| | Cost for 10 sqm. | | | | 734.00 |
| | Cost per sqm. | | | | 73.40 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | add 1% labour cess | | | | 0.73 |
| | Total | | | | 74.13 |
| | Say | | | | 74.10 |
| **16.49** | **Making bell mouth opening/ entrance of size 100x50x50 cm for drainage pipe under footpath, including providing cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) for shape of bell mouth, including plastering providing and fixing precast R.C.C./ S.F.R.C. slab including plastering with cement mortar 1:3 (1 cement : 3 fine sand) of 6 mm thickness on exposed surface of the slab & bell mouth including centring, shuttering & neat cement punning inside the bell mouth etc. all complete.** | | | | |
| | Details of cost for 10 Nos.<br>(i) Earth work in excavation Channel :-<br>10x1x1.00x0.20x0.15 = 0.30+<br>Bell mouth :-10x1x1.00x0.50x<br>(0.18+0.075)/2 = 0.64<br>Total = 0.94 | | | | |
| | MATERIAL | | | | |
| 2.8.1 | (Rate as per item no. 2.8.1 of SH: Earth work) (ii) Cement concrete 1:4:8 Channel :-10x1x1.00x0.20x0.075 = 0.15 cum. | cum | 0.94 | 316.47 | 297.48 (A) |
| 4.1.8 | Rate as per item no 4.1.8 of SH : Concrete Work<br>(iii) Cement concrete 1:3:6<br>Channel<br>10x1x1.00x0.20x0.75 = 0.15 +<br>Bed of bell mouth :<br>10x1x1.00x0.50x(0.18+0.075)/2 = 0.64 +<br>Haunches portion<br>10x2x(0.35+0.075)/2x0.25x0.375 = 0.40 +<br>Rect part :-<br>10x2x0.35x0.25x0.375 = 0.65 +<br>Quadrant portion :-<br>10x1[(0.30x0.30)-3.142/4(0.30)$^2$]x0.30 =0.06+<br>Central middle part :-<br>10x1x0.30x0.25x0.075 = 0.05<br>Total = 1.95 cum. | cum | 0.15 | 2911.69 | 436.75 (A) |
| 4.1.5 | (Rate as per item no.4.1.5 S.H. : Cement Concrete)<br>(iv) RCC in shelves<br>10x1x1.00x0.50x0.05 = 0.25cum. | cum | 1.95 | 3427.15 | 6682.94 (A) |
| 5.3 | Rate as per item no. 5.3 SH : Reinforced cement concrete work<br>(v) Reinforcement for RCC @100kg/cum.<br>0.25x100=25kg. | cum | 0.25 | 5258.18 | 1314.54 (A) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 5.22.1 | Rate as per item no. 5.22.1 SH : Reinforced cement concrete work<br>(vi) Centering and shuttering<br>For shelves (sides)<br>10x2(1.00+0.50)x0.05 = 1.50+<br>Front side of bell mouth :<br>10x2(0.446)x0.375 = 3.34 +<br>Pipe portion:<br>10x[0.30x0.375-3.142/4(030)$^2$] = 0.04 +<br>Out side of bell mouth<br>Total= 10x(1.00 =0.50)x0.45 = 9.00+<br>Deduct pipe opening<br>Total =10x0.785x0.30x0.30 = (-)0.71<br>Total = 13.17 | kg | 25 | 76.65 | 1916.14 | (A) |
| 5.9.1 | Rate as per item No.5.9.1 of SH : RCC (vii) cement plaster on RCC slab<br>10x1.00x0.50 = 5.00 +<br>10x2(1.00+0.50)x0.05 = 1.50+<br>Total = 6.50 sqm. | sqm | 13.17 | 184.43 | 2428.96 | (A) |
| 5.23 | Rate as per item no.13.16.1 (viii) Neat cement punning:<br>Qty. same as marked (x) at (9vi) =<br>Total =3.34+0.04 = 3.38 sqm.<br>Channel portion:<br>10x1x(0.85+0.30)/2x0.25 = 1.43<br>Total = 4.81 | sqm | 6.5 | 111.38 | 723.95 | (A) |
| 13.26 | Rate as per item no.13.18 S.H. Finishing | sqm | 4.81 | 38.26 | 184.04 | (A) |
| 367 | Portland Cement (OPC-43 grade) | tonne | 0.024 | 5474.00 | 131.38 | |
| 2209 | Carriage of Cement | tonne | 0.024 | 96.07 | 2.31 | |
| 983 | Fine sand (zone IV) | cum | 0.05 | 117.66 | 5.88 | |
| 2261 | Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand) | cum | 0.05 | 0.00 | 0.00 | |
| | LABOUR | | | | 0.00 | |
| 114 | Beldar | day | 0.035 | 254.00 | 8.89 | |
| 101 | Bhisti | day | 0.003 | 277.00 | 0.83 | |
| 9999 | Hire charges of mixer | L.S. | 1.27 | 1.80 | 2.29 | |
| 9999 | Sundries | L.S. | 1.27 | 1.80 | 2.29 | |
| | Labour for plaster | | | | 0.00 | |
| 155 | Mason (average) | day | 0.33 | 305.00 | 100.65 | |
| 115 | Coolie | day | 0.488 | 265.00 | 129.32 | |
| 101 | Bhisti | day | 0.6 | 277.00 | 166.20 | |
| 9999 | Extra for removing burr | L.S. | 8.71 | 1.80 | 15.68 | |
| 9999 | Scaffolding | L.S. | 7.62 | 1.80 | 13.72 | |
| | TOTAL "A" | | | | 13984.80 | |
| | TOTAL | | | | 14564.22 | |
| | Add 1 % Water charges on all except (A) i.e. on (14564.22-13984.8) | | | | 5.79 | |
| | TOTAL | | | | 14570.02 | (X) |
| | Add GST 12% on "X" except "A" ( multiplying factor 0.1405)<br>(14570.02-13984.8) | | | | 82.22 | |
| | TOTAL | | | | 14652.24 | (Y) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add 15 % Contractor's profit and overheads on"Y" except (A) i.e. On (14652.24-13984.8) | | | | 100.12 |
| | Cost for 10 nos. | | | | 14752.36 |
| | Cost for one bell mouth | | | | 1475.24 |
| | add 1% labour cess | | | | 14.75 |
| | Total | | | | 1489.99 |
| | Say | | | | 1490.00 |

**16.50 Providing and fixing Glow studs of size 100x20 mm made of heavy duty body shall be moulded ASA (Acrylic styrene Acryloretrite ) or HIP (High impact polystyrene) or ABS having electronically welded micro- prismatic lens with abrasion resistant coating as approved by Engineer in charge. The glow stud shall support a load of 13635 kg tested in accordance with ASTM D4280. The slope of retro- reflective surface shall be 35 (+/-5) degress to base .The reflective panels on both sides with at least 12 cm of reflective area up each side. The luminance intensity should be as per the specification and shall be tested as described in ASTM I: 809 as recommended in BS: 873 part 4 : 1973. The studs shall be fixed to the Road surface using the adhesive conforming to IS, as per procedure recommended by the manufacturer complete and as per direction of Engineer-in-charge.**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for 15 Nos. | | | | |
| | MATERIAL | | | | |
| 7426 | Cat's eye | each | 15 | 97.73 | 1465.89 |
| 9977 | Carriage of cats eyes | L.S. | 2.6 | 1.80 | 4.68 |
| | LABOUR | | | | |
| 124 | Mason (brick layer) 2nd class | day | 0.5 | 305.00 | 152.50 |
| 114 | Beldar | day | 0.5 | 254.00 | 127.00 |
| | Sundries | | | | |
| 9999 | (including material required for fixing cats eyes and providing barricading to divert traffic) | L.S. | 39 | 1.80 | 70.20 |
| | TOTAL | | | | 1820.27 |
| | Add 1 % Water charges | | | | 18.20 |
| | TOTAL | | | | 1838.48 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 258.31 |
| | Total | | | | 2096.78 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 314.52 |
| | Cost for 15 Nos. | | | | 2411.30 |
| | Cost for one cat's eye. | | | | 160.75 |
| | add 1% labour cess | | | | 1.61 |
| | Total | | | | 162.36 |
| | Say | | | | 162.40 |

**16.51 Preparation of sub-base road pavement with commercial dry lime (slaked), fly ash stabilised soil with a mix of 3% lime, 12% fly ash and 85% local suitable soil by weight, so as to achieve minimum field C.B.R. of 20, including mixing, rolling with road roller curing etc. all complete.**

**16.51.1 Minimum thickness 15 cm**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for 6.67 sqm. or 1 cum. | | | | |
| | MATERIAL | | | | |
| 777 | Dry hydrated lime (factory made) | quintal | 0.41 | 260.60 | 106.85 |
| 2208 | Carriage of Lime | cum | 0.068 | 108.08 | 7.35 |
| 1980 | Flyash | cum | 0.277 | 7.45 | 2.06 |
| 2267 | Carriage of Stone dust | cum | 0.277 | 108.08 | 29.94 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | LABOUR | | | | |
| | (i)For earth work : | | | | |
| 114 | Beldar | day | 0.116 | 254.00 | 29.46 |
| 115 | Coolie | day | 0.116 | 265.00 | 30.74 |
| 979 | Royalty for good earth | cum | 0.655 | 27.92 | 18.29 |
| 2241 | Carriage of Good earth | cum | 0.655 | 0.00 | 0.00 |
| | (ii) For mixing : | | | | |
| 114 | Beldar | day | 0.025 | 254.00 | 6.35 |
| 115 | Coolie | day | 0.025 | 265.00 | 6.63 |
| | (iii) For rolling layers : | | | | |
| 113 | Chowkidar | day | 0.0008 | 267.00 | 0.21 |
| 3 | Hire charges of Diesel Road Roller - 8 to | | | | |
| | 10 tonne | day | 0.0008 | 2200.00 | 1.76 |
| 9999 | Sundries | L.S. | 0.18 | 1.80 | 0.32 |
| | (iv) Labour for spreading and watering : | | | | |
| 114 | Beldar | day | 0.26 | 254.00 | 66.04 |
| 115 | Coolie | day | 0.26 | 265.00 | 68.90 |
| 101 | Bhisti | day | 0.18 | 277.00 | 49.86 |
| | TOTAL | | | | 424.76 |
| | Add 1 % Water charges | | | | 4.25 |
| | TOTAL | | | | 429.01 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 60.28 |
| | Total | | | | 489.29 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 73.39 |
| | Cost for 1 cum. | | | | 562.68 |
| | add 1% labour cess | | | | 5.63 |
| | Total | | | | 568.31 |
| | Say | | | | 568.30 |

**16.52 Providing and fixing precast lime fly ash concrete blocks 1:2:3:6 (1 lime: 2 fly ash : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size), including finishing with 10mm thick cement mortar 1:3 (1 cement : 3 coarse sand) in foot paths, including preparation of sub grade with a hand rammer, laying 10 mm thick leveling course of fine sand (jamuna sand) and filling the joints with fine sand.**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for a path of area 10sqm. no. of blocks required for 10sqm. = 108 nos. | | | | |
| | (a) Concrete in blocks (108x0.30x0.30x0.09 = 0.875 cum.) | | | | |
| 16.52Y | Rate as per sub analysis Item Number 16.52Y of SH:Road Work | cum | 0.875 | 1500.06 | 1312.55 |
| | (b) Labour for surface excavation : | | | | |
| 114 | Beldar | day | 0.72 | 254.00 | 182.88 |
| 115 | Coolie | day | 0.6 | 265.00 | 159.00 |
| | (c) For levelling course of fine sand | | | | |
| 6501 | Sand zone V (Jamuna) | cum | 0.1 | 117.66 | 11.77 |
| 2335 | Carriage of Jamuna sand | cum | 0.1 | 0.00 | 0.00 |
| | LABOUR | | | | |
| 114 | Beldar | day | 0.0089 | 254.00 | 2.26 |
| 115 | Coolie | day | 0.0107 | 265.00 | 2.84 |
| 101 | Bhisti | day | 0.0035 | 277.00 | 0.97 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | (d) For finishing with 10mm thick cement plaster cement plaster with cement mortar 1:3(1 Cement: 3 Coarse sand) qty. for 9.72sqm. = 0.0972 cum | | | | |
| 3.8 | Rate as per Item Number 3.8 of SH: Mortars | cum | 0.0972 | 4723.5 | 459.12 |
| 155 | Mason (average) | day | 0.787 | 305.00 | 240.04 |
| 115 | Coolie | day | 0.787 | 265.00 | 208.56 |
| 101 | Bhisti | day | 0.262 | 277.00 | 72.57 |
| 9999 | Scaffolding and sundries | L.S. | 12.22 | 1.80 | 22.00 |
| | (e) For laying blocks and filling joints with Jamuna sand for filling joints 5mm (av.) thick | | | | |
| 6501 | Sand zone V (Jamuna) | cum | 0.005 | 117.66 | 0.59 |
| 2335 | Carriage of Jamuna sand | cum | 0.005 | 0.00 | 0.00 |
| 123 | Mason (brick layer) 1st class | day | 0.9 | 279.00 | 251.10 |
| 115 | Coolie | day | 1.98 | 265.00 | 524.70 |
| 101 | Bhisti | day | 0.05 | 277.00 | 13.85 |
| | TOTAL | | | | 3464.79 |
| | Add 1 % Water charges | | | | 34.65 |
| | TOTAL | | | | 3499.44 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 491.67 |
| | Total | | | | 3991.11 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 598.67 |
| | Cost for 10sqm. or 0.9cum. | | | | 4589.77 |
| | Rate per cum. | | | | 5099.75 |
| | add 1% labour cess | | | | 51.00 |
| | Total | | | | 5150.74 |
| | Say | | | | 5150.70 |
| 16.52X | Sub Analysis X for sub analysis item Number 16.52Y Sub Analysis 16.52X for use in sub analysis of 16.52Y | | | | |
| | Details of cost for 1cum of lime Flyash mortar 1:2:3 (lime:2 flyash:3 coarse sand). | | | | |
| | MATERIAL | | | | |
| 773 | Unslaked lime | quintal | 1.52 | 251.30 | 381.97 |
| 1980 | Flyash | cum | 0.48 | 7.45 | 3.57 |
| 982 | Coarse sand (zone III) | cum | 0.72 | 160.69 | 115.70 |
| 2208 | Carriage of Lime | cum | 0.24 | 108.08 | 25.94 |
| 2266 | Carriage of Surkhi | cum | 0.48 | 108.08 | 51.88 |
| 2203 | Carriage of Coarse sand | cum | 0.72 | 0.00 | 0.00 |
| | LABOUR | | | | |
| | Labour for slaking the lime making, lime putty, grinding, measuring, carrying, depositing and mixing. | | | | |
| 114 | Beldar | day | 0.9 | 254.00 | 228.60 |
| 101 | Bhisti | day | 0.45 | 277.00 | 124.65 |
| 9999 | Running and upkeep of mortar mill | L.S. | 26.91 | 1.80 | 48.44 |
| 9999 | Sundries | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 1005.08 |
| | Cost of 1.00 cum | | | | 1005.08 |
| | add 1% labour cess | | | | 10.05 |
| | Total | | | | 1015.13 |
| | Say | | | | 1015.10 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 16.52Y | Sub Analysis Y for Item Number 16.52<br>Sub Analysis 'Y' (16.52Y) for use in Item No. 16.52 | | | | |
| | Details of cost for 1 cum. of cement concrete<br>MATERIAL<br>Lime Flyash mortar | | | | |
| 16.52X | Rate as per sub analysis of Item No 16.52X | cum | 0.4 | 1005.08 | 402.03 A |
| 295 | Stone Aggregate (Single size) : 20 mm nominal size | cum | 0.64 | 556.33 | 356.05 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size | cum | 0.21 | 620.42 | 130.29 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 0.85 | 0 | 0.00 |
| | LABOUR | | | | 0.00 |
| 114 | Beldar | day | 0.65 | 254.00 | 165.10 |
| 115 | Coolie | day | 0.6 | 265.00 | 159.00 |
| 101 | Bhisti | day | 0.27 | 277.00 | 74.79 |
| 123 | Mason (brick layer) 1st class | day | 0.05 | 342.00 | 17.10 |
| 124 | Mason (brick layer) 2nd class | day | 0.05 | 305.00 | 15.25 |
| 128 | Mate | day | 0.04 | 270.00 | 10.80 |
| 9999 | Hire and running charges of mixer | L.S. | 26.91 | 1.80 | 48.44 |
| 9999 | Sundries | L.S. | 13.52 | 1.80 | 24.34 |
| 9999 | Hire charges of steel moulds, table vibrators, rammers, bolts, nuts and washers etc. | L.S. | 53.82 | 1.80 | 96.88 |
| | TOTAL | | | | 1500.06 |
| | Cost of 1.00 cum | | | | 1500.06 |
| | add 1% labour cess | | | | 15.00 |
| | Total | | | | 1515.06 |
| | Say | | | | 1515.10 |
| **16.53** | **Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length ( total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)** | | | | |
| | Details of cost for 30.00 m length<br>MATERIAL | | | | |
| 8691 | Punched tape concertina coil 600 mm dia 10 m openable length (Total length 90 m)<br>(Having 50 Nos. of rounds per 6 meter = 1 bundles)<br>Therefore, Nos. of bundles 30/10=3bundles) | bundle | 5 | 628.24 | 3141.19 |
| 8692 | RBT reinforced barbed wire 9 rounds = 9x30 = 270m | metre | 270 | 6.52 | 1759.07 |
| 8693 | Turn buckle and strengthening bolt | each set | 10 | 37.23 | 372.29 |
| 9999 | G.I. staples clips etc. | L.S. | 49.4 | 1.80 | 88.92 |
| | LABOUR<br>Labour for fixing straightening cutting of tape/ coils & wire | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 114 | Beldar 0.50x2 = 1.00 Nos (Taken double due to height) | day | 1 | 254.00 | 254.00 |
| 102 | Blacksmith 1st class | day | 0.5 | 342.00 | 171.00 |
| 103 | Blacksmith 2nd class | day | 0.5 | 305.00 | 152.50 |
| | Total | | | | 5938.97 |
| | Add 1 % Water charges | | | | 59.39 |
| | TOTAL | | | | 5998.36 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 842.77 |
| | Total | | | | 6841.13 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1026.17 |
| | cost for 30.00 metre | | | | 7867.30 |
| | cost per metre | | | | 262.24 |
| | add 1% labour cess | | | | 2.62 |
| | Total | | | | 264.87 |
| | Say | | | | 264.90 |
| **16.54** | **Providing and laying Dense Graded Bituminous Macadam using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equiped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specificatons and directions of Engineer-in-Charge.** | | | | |
| **16.54.1** | **50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 5% (percentage by weight of total mix) and lime filler @ 2% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.** | | | | |
| | Details of cost for 195 cum (or 450 M.T. ) | | | | |
| | MATERIAL | | | | |
| 7309 | Paving Asphalt VG-30 of approved quality (percentage by weight of total mix) | tonne | 22.5 | 28401.96 | 639044.00 |
| | Carriage of Tar bitumen | tonne | 22.5 | 0 | |
| 2211 | Aggregate<br>Total weight of mix = 450 tonnes<br>Weight of bitumen = 22.50 tonnes<br>Weight of aggregate = 450 -22.50 = 427.50tonnes<br>Taking density of aggregate = 1.5 tonne/cum<br>Volume of aggregate =427.50/1.5 =285cum<br>Grading - II/19 mm (Nominal Size)<br>25 - 10mm size = 30% of 285 = 85.5 cum<br>10 - 5mm size = 28% of 285 = 79.8 cum<br>5mm and below = 40% of 285 = 114 cum | | | | 0.00 |
| 294 | Stone Aggregate (Single size) : 25 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.75 | 530.48 | 22678.02 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.75 | 620.42 | 26522.96 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 79.8 * 50 /100 | cum | 39.9 | 620.42 | 24754.76 |
| 298 | Stone Aggregate (Single size) : 06 mm nominal size Qty = 79.8 * 50 /100 | cum | 39.9 | 412.49 | 16458.35 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size Qty = 285 * 40 /100 | cum | 114 | 190.08 | 21669.12 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 2202 | Carriage of Stone aggregate below 40 mm nominal size Lime Filler @ 2% ( percentage by weight of aggregate) | cum | 279.3 | 0.00 | 0.00 |
| 777 | Dry hydrated lime (factory made) | quintal | 85.5 | 280 | 23940.00 |
| 2208 | Carriage of Lime (consitering density of lime as 1.29 T per cum) V =8.55/1.29 = 6.63 cum<br>V =8.55/1.29 = 6.63 cum | cum | 6.63 | 108.08 | 716.56 |
| | **MACHINERY/ HIRE CHARGES:** | | | | |
| 62 | Hot mix Plant -120 TPH capacity | hour | 3 | 15000.00 | 45000.00 |
| 63 | Hot mix Plant 100 TPH Capacity | hour | 3 | 13000.00 | 39000.00 |
| 64 | Paver finisher Hydrostatic with sensor control 100 TPH | hour | 6 | 1500.00 | 9000.00 |
| 69 | Generator 250 KVA | hour | 6 | 400.00 | 2400.00 |
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6 | 800.00 | 4800.00 |
| 53 | Tipper -5 Cum | tonne km | 4500 | 3.00 | 13500.00 |
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading | | | | **1350.00** |
| 55 | Smooth Wheeled Roller 8 to 10 tonne for initial break down rolling.(6*0.65) | hour | 3.9 | 200.00 | 780.00 |
| 54 | Vibratory roller 8 to 10 tonne for intermediate rolling.(6*0.65) | hour | 3.9 | 650.00 | 2535.00 |
| 56 | Tandem Road Roller Finish rolling with 6-8 tonnes smooth wheeled tandem roller.(6*0.65) | hour | 3.9 | 1150.00 | 4485.00 |
| | **LABOUR** | | | | |
| 128 | Mate | day | 0.84 | 270.00 | 226.80 |
| 114 | Beldar working with HMP, mechanical broom, paver, roller, asphalt cutter and assistance for setting out lines, levels and layout of construction | day | 14 | 254.00 | 3556.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) for checking line & levels | day | 5 | 305.00 | 1525.00 |
| | Total | | | | 903941.56 |
| | Add 1 % Water charges | | | | 9039.42 |
| | TOTAL | | | | 912980.98 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 128273.83 |
| | Total | | | | 1041254.81 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 156188.22 |
| | Cost for 195 cum(450 M.T.) | | | | 1197443.03 |
| | Cost per cum. | | | | 6140.73 |
| | add 1% labour cess | | | | 61.41 |
| | Total | | | | 6202.14 |
| | Say | | | | 6202.10 |
| **16.54.2** | **50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 5% (percentage by weight of total mix) and lime filler @ 2% (percentage by weight of Aggregate) prepared in Drum Type Hot Mix Plant of 60-90 TPH capacity.** | | | | |
| | Details of cost for 195 cum (or 450 M.T. )<br>MATERIAL | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 7309 | Paving Asphalt VG-30 of approved quality (percentage by weight of total mix) | tonne | 22.5 | 28401.96 | 639044.00 |
| | Carriage of Tar bitumen Aggregate<br>Total weight of mix = 450 tonnes<br>Weight of bitumen = 22.50 tonnes<br>Weight of aggregate = 450 -22.50<br>= 427.50 tonnes | tonne | 22.5 | 0 | |
| 2211 | Taking density of aggregate = 1.5 tonne/cum<br>Volume of aggregate =427.50/1.5 =285cum<br>Grading - II/19 mm (Nominal Size)<br>25 - 10mm size = 30% of 285 = 85.5 cum<br>10 - 5mm size = 28% of 285 = 79.8 cum<br>5mm and below = 40% of 285 = 114 cum | | | | 0.00 |
| 294 | Stone Aggregate (Single size) : 25 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.75 | 530.48 | 22678.02 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.75 | 620.42 | 26522.96 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 79.8 * 50 /100 | cum | 39.9 | 620.42 | 24754.76 |
| 298 | Stone Aggregate (Single size) : 06 mm nominal size Qty = 79.8 * 50 /100 | cum | 39.9 | 412.49 | 16458.35 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size Qty = 285 * 40 /100 | cum | 114 | 190.08 | 21669.12 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 279.3 | 0.00 | 0.00 |
| | Lime Filler @ 2% ( percentage by weight of aggregate) | | | | |
| 777 | Dry hydrated lime (factory made) | quintal | 85.5 | 280 | 23940.00 |
| 2208 | Carriage of Lime (consitering density of lime as 1.29 T per cum) V =8.55/1.29 = 6.63 cum<br>V =8.55/1.29 = 6.63 cum | cum | 6.63 | 108.08 | 716.56 |
| | MACHINERY/ HIRE CHARGES: | | | | |
| 76 | Drum Type HMP of 60-90 TPH capacity @ 75 tonne per hour actual output | hour | 6 | 11000.00 | 66000.00 |
| 64 | Paver finisher Hydrostatic with sensor control 100 TPH | hour | 6 | 1500.00 | 9000.00 |
| 69 | Generator 250 KVA | hour | 6 | 400.00 | 2400.00 |
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6 | 800.00 | 4800.00 |
| 53 | Tipper -5 Cum | tonne km | 4500 | 3.00 | 13500.00 |
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading | | | | 1350.00 |
| 55 | Smooth Wheeled Roller 8 to 10 tonne for initial break down rolling.(6*0.65) | hour | 3.9 | 200.00 | 780.00 |
| 54 | Vibratory roller 8 to 10 tonne for intermediate rolling.(6*0.65) | hour | 3.9 | 650.00 | 2535.00 |
| 56 | Tandem Road Roller Finish rolling with 6-8 tonnes smooth wheeled tandem roller.(6*0.65) | hour | 3.9 | 1150.00 | 4485.00 |
| | LABOUR | | | | |
| 128 | Mate | day | 0.84 | 270.00 | 226.80 |
| 114 | Beldar working with HMP, mechanical broom, paver, roller, asphalt cutter and assistance for setting out lines, levels and layout of construction | day | 14 | 254.00 | 3556.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 139 | Skilled Beldar (for floor rubbing etc.) for checking line & levels | day | 5 | 305.00 | 1525.00 |
| | Total | | | | 885941.56 |
| | Add 1 % Water charges | | | | 8859.42 |
| | TOTAL | | | | 894800.98 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 125719.54 |
| | Total | | | | 1020520.52 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 153078.08 |
| | Cost for 195 cum(450 M.T.) | | | | 1173598.59 |
| | Cost per cum. | | | | 6018.45 |
| | add 1% labour cess | | | | 60.18 |
| | Total | | | | 6078.64 |
| | Say | | | | 6078.60 |

**16.55 Providing and laying bituminous macadam using crushed stone aggregates of specified grading premixed with bituminous binder, transported to site by tippers, laid over a previously prepared surface with paver finisher equiped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specificatons and directions of Engineer-in-Charge**

**16.55.1 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 3.50% (percentage by weight of total mix) prepared in Batch Type Hot Mix Plant of 100- 120 TPH capacity.**

Details of cost for 205 cum (or 450 M.T. )

MATERIAL

| | | | | | |
|---|---|---|---|---|---|
| 7309 | Paving Asphalt VG-30 of approved quality 3.5% of 450 MT = 15.75 MT | tonne | 15.75 | 28401.96 | 447330.80 |
| 2211 | Carriage of Tar bitumen Weight of mix = 205 * 2 .5 = 450 tonnes<br>Aggregate<br>Total weight of mix = 450 tonnes Weight of bitumen = 15.75 tonnes Weight of aggregate = 450 -15.75 = 434.25 tonnes<br>Taking density of aggregate = 1.5 tonne/cum<br>Volume of aggregate =434.25/1.5 =289.50cum<br>Grading - II/19 mm (Nominal Size)<br>25 - 10mm size = 40% of 289.50 = 115.8 cum<br>10 - 5mm size = 40% of 289.50 = 115.8 cum<br>5mm and below = 20% of 289.50 = 57.9 cum | tonne | 15.75 | 0 | 0.00 |
| 294 | Stone Aggregate (Single size) : 25 mm nominal size Qty = 115.8 * 50 /100 | cum | 57.9 | 530.48 | 30714.79 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 115.8 * 50 /100 | cum | 57.9 | 620.42 | 35922.32 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 115.8 * 50 /100 | cum | 57.9 | 620.42 | 35922.32 |
| 298 | Stone Aggregate (Single size) : 06 mm nominal size Qty = 115.8 * 50 /100 | cum | 57.9 | 412.49 | 23883.17 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size Qty = 289.50 * 20 /100 | cum | 57.9 | 190.08 | 11005.63 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 289.5 | 0.00 | 0.00 |
| | MACHINERY | | | | 0.00 |
| 62 | Hot mix Plant -120 TPH capacity @75tonne per hour actual output | hour | 3 | 15000.00 | 45000.00 |
| 63 | Hot mix Plant 100 TPH Capacity @75tonne per hour actual output | hour | 3 | 13000.00 | 39000.00 |
| 64 | Paver finisher Hydrostatic with sensor control 100 TPH @75tonne per hour actual output | hour | 6 | 1500.00 | 9000.00 |
| 69 | Generator 250 KVA | hour | 6 | 400.00 | 2400.00 |
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6 | 800.00 | 4800.00 |
| 53 | Tipper -5 Cum | tonne km | 4500 | 3.00 | 13500.00 |
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading X * 10 / 100 = 13500.00 * 10 / 100 | | | | 1350.00 |
| 55 | Smooth Wheeled Roller 8 to 10 tonne for initial break down rolling.(6*0.65) | hour | 3.9 | 200.00 | 780.00 |
| 54 | Vibratory roller 8 to 10 tonne for intermediate rolling.(6*0.65) | hour | 3.9 | 650.00 | 2535.00 |
| 56 | Tandem Road Roller Finish rolling with 6-8 tonnes smooth wheeled tandem roller.(6*0.65) | hour | 3.9 | 1150.00 | 4485.00 |
| | LABOUR | | | | |
| 128 | Mate | day | 0.84 | 270.00 | 226.80 |
| 114 | Beldar working with HMP, mechanical broom,paver, roller, asphalt cutter and assistance for setting out lines, levels and layout of construction | day | 14 | 254.00 | 3556.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) for checking line & levels | day | 5 | 305.00 | 1525.00 |
| | Total | | | | 712936.83 |
| | Add 1 % Water charges | | | | 7129.37 |
| | TOTAL | | | | 720066.20 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 101169.30 |
| | Total | | | | 821235.50 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 123185.32 |
| | Cost for 205 cum(450 M.T.) | | | | 944420.82 |
| | Cost per cum. | | | | 4606.93 |
| | add 1% labour cess | | | | 46.07 |
| | Total | | | | 4653.00 |
| | Say | | | | 4653.00 |
| **16.55.2** | **50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 3.50% (percentage by weight of total mix) prepared in Drum Type Hot Mix Plant of 60-90 TPH capacity.** | | | | |
| | Details of cost for 205 cum (or 450 M.T. ) | | | | |
| | MATERIAL | | | | |
| 7309 | Paving Asphalt VG-30 of approved quality 3.5% of 450 MT = 15.75 MT | tonne | 15.75 | 28401.96 | 447330.80 |
| | Carriage of Tar bitumen | tonne | 15.75 | 0 | 0.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 2211 | Weight of mix = 205 * 2.5 = 450 tonnes Aggregate<br>Total weight of mix = 450 tonnes Weight of bitumen = 15.75 tonnes<br>Weight of aggregate = 450 -15.75 = 434.25 tonnes<br>Taking density of aggregate = 1.5 tonne/cum<br>Volume of aggregate =434.25/1.5 =289.50cum<br>Grading - II/19 mm (Nominal Size)<br>25 - 10mm size = 40% of 289.50 = 115.8 cum<br>10 - 5mm size = 40% of 289.50 = 115.8 cum<br>5mm and below = 20% of 289.50 = 57.9 cum | | | | |
| 294 | Stone Aggregate (Single size) : 25 mm nominal size Qty = 115.8 * 50 /100 | cum | 57.9 | 530.48 | 30714.79 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 115.8 * 50 /100 | cum | 57.9 | 620.42 | 35922.32 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 115.8 * 50 /100 | cum | 57.9 | 620.42 | 35922.32 |
| 298 | Stone Aggregate (Single size) : 06 mm nominal size Qty = 115.8 * 50 /100 | cum | 57.9 | 412.49 | 23883.17 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size Qty = 289.50 * 20 /100 | cum | 57.9 | 190.08 | 11005.63 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 289.5 | 0.00 | 0.00 |
| | MACHINERY | | | | |
| 76 | Drum Type HMP of 60-90 TPH capacity @75 tonne per hour actual output @75tonne per hour actual output | hour | 6 | 11000.00 | 66000.00 |
| 64 | Paver finisher Hydrostatic with sensor control 100 TPH @75tonne per hour actual output | hour | 6 | 1500.00 | 9000.00 |
| 69 | Generator 250 KVA | hour | 6 | 400.00 | 2400.00 |
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6 | 800.00 | 4800.00 |
| 53 | Tipper -5 Cum | tonne km | 4500 | 3.00 | 13500.00 |
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading | | | | **1350.00** |
| 55 | Smooth Wheeled Roller 8 to 10 tonne for initial break down rolling.(6*0.65) | hour | 3.9 | 200.00 | 780.00 |
| 54 | Vibratory roller 8 to 10 tonne for intermediate rolling.(6*0.65) | hour | 3.9 | 650.00 | 2535.00 |
| 56 | Tandem Road Roller Finish rolling with 6-8 tonnes smooth wheeled tandem roller.(6*0.65) | hour | 3.9 | 1150.00 | 4485.00 |
| | LABOUR | | | | |
| 128 | Mate | day | 0.84 | 270.00 | 226.80 |
| 114 | Beldar<br>working with HMP, mechanical broom, paver, roller, asphalt cutter and assistance for setting out lines, levels and layout of construction | day | 14 | 254.00 | 3556.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) for checking line & levels | day | 5 | 305.00 | 1525.00 |
| | Total | | | | 694936.83 |
| | Add 1 % Water charges | | | | 6949.37 |
| | TOTAL | | | | 701886.20 (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 98615.01 |
| | Total | | | | 800501.21 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 120075.18 |
| | Cost for 205 cum(450 M.T.) | | | | 920576.39 |
| | Cost per cum. | | | | 4490.62 |
| | add 1% labour cess | | | | 44.91 |
| | Total | | | | 4535.52 |
| | Say | | | | 4535.50 |
| **16.56** | **Providing and laying semi- dense Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equiped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in- Charge.** | | | | |
| **16.56.1** | **25 mm compacted thickness with bitumen of grade VG-30 @ 5% (percentage by weight of total mix) and lime filler @ 2% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity** | | | | |
| | Details of cost for 195 cum (450 tonnes)<br>Area covered for 25 mm thickness=7800 sqm<br>MATERIAL | | | | |
| 7309 | Paving Asphalt VG-30 of approved quality 5% of 450 MT = 22.50 MT | tonne | 22.5 | 28401.96 | 639044.00 |
| | Carriage of Tar bitumen | tonne | 22.5 | 0 | |
| | Aggregate<br>Total weight of mix = 450 tonnes<br>Weight of bitumen = 22.50 tonnes<br>Weight of aggregate = 450 -22.50 =<br>427.50 tonnes | | | | |
| 2211 | Taking density of aggregate = 1.5 tonne/cum<br>Volume of aggregate =427.50/1.5 =285cum<br>Grading - II/19 mm (Nominal Size)<br>9.5 - 4.75 mm size = 57% of 285<br>= 162.45 cum<br>4.75mm and below = 41% of 285<br>= 116.85 cum | | | | 0.00 |
| 0296 | Stone Aggregate (Single size) : 12.5 mm nominal size Qty = 162.45 * 50 /100 | cum | 81.225 | 649.26 | 52736.14 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 162.45 * 50 /100 | cum | 81.225 | 620.42 | 50393.61 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size Qty = 285 * 41 /100 | cum | 116.85 | 190.08 | 22210.85 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 279.3 | 0.00 | 0.00 |
| | nominal size | | | | |
| | Lime Filler @ 2% ( percentage by weightof aggregate) | | | | |
| 777 | Dry hydrated lime (factory made) | quintal | 85.5 | 260.60 | 22281.52 |
| 2208 | Carriage of Lime (consitering density of lime as 1.29 T per cum) V =8.55/1.29 = 6.63 cum | cum | 6.63 | 108.08 | 716.56 |
| | MACHINERY/ HIRE CHARGES: | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 62 | Hot mix Plant -120 TPH capacity @75tonne per hour actual output | hour | 3 | 15000.00 | 45000.00 |
| 63 | Hot mix Plant 100 TPH Capacity @75tonne per hour actual output | hour | 3 | 13000.00 | 39000.00 |
| 64 | Paver finisher Hydrostatic with sensor control 100 TPH @75tonne per hour actual output | hour | 6 | 1500.00 | 9000.00 |
| 69 | Generator 250 KVA | hour | 6 | 400.00 | 2400.00 |
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6 | 800.00 | 4800.00 |
| 53 | Tipper -5 Cum | tonne km | 4500 | 3.00 | 13500.00 |
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading | | | | 1350.00 |
| 55 | Smooth Wheeled Roller 8 to 10 tonne for initial break down rolling.(6*0.65) | hour | 3.9 | 200.00 | 780.00 |
| 54 | Vibratory roller 8 to 10 tonne for intermediate rolling.(6*0.65) | hour | 3.9 | 650.00 | 2535.00 |
| 56 | Tandem Road Roller Finish rolling with 6-8 tonnes smooth wheeled tandem roller.(6*0.65) | hour | 3.9 | 1150.00 | 4485.00 |
| | LABOUR | | | | |
| 128 | Mate | day | 0.84 | 270.00 | 226.80 |
| 114 | Beldar working with HMP, mechanical broom, paver, roller, asphalt cutter and assistance for setting out lines, levels and layout of construction for checking line & levels | day | 14 | 254.00 | 3556.00 |
| | Total | | | | 914015.48 |
| | Add 1 % Water charges | | | | 9140.15 |
| | TOTAL | | | | 923155.64 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 129703.37 |
| | Total | | | | 1052859.01 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 157928.85 |
| | Cost for 7800 Sqm | | | | 1210787.86 |
| | Cost per sqm | | | | 155.23 |
| | add 1% labour cess | | | | 1.55 |
| | Total | | | | 156.78 |
| | Say | | | | 156.80 |
| **16.56.2** | **25 mm compacted thickness with bitumen of grade VG-30 @ 5% (percentage by weight of total mix) and lime filler @ 2% (percentage by weight of Aggregate) prepared in Drum Type Hot Mix Plant of 60-90 TPH capacity.** | | | | |
| | Details of cost for 195 cum (450 tonnes)<br>Area covered for 25 mm thickness=7800 sqm<br>MATERIAL | | | | |
| 7309 | Paving Asphalt VG-30 of approved quality 5% of 450 MT = 22.50 MT | tonne | 22.5 | 28401.96 | 639044.00 |
| | Carriage of Tar bitumen<br>Aggregate<br>Total weight of mix = 450 tonnes<br>Weight of bitumen = 22.50 tonnes<br>Weight of aggregate = 450 -22.50 =427.50tonnes | | | | |
| 2211 | Taking density of aggregate = 1.5 tonne/cum<br>Volume of aggregate =427.50/1.5 =285cum<br>Grading - II/19 mm (Nominal Size) 9.5 - 4.75mm size = 57% of 285 = 162.45 cum 475mm and below = 41% of 285 = 116.85 cum | tonne | 22.5 | 0 | 0.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 296 | Stone Aggregate (Single size) : 12.5 mm nominal size Qty = 162.45 * 50 /100 | cum | 81.225 | 649.26 | 52736.14 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 162.45 * 50 /100 | cum | 81.225 | 620.42 | 50393.61 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size Qty = 285 * 41 /100 | cum | 116.85 | 190.08 | 22210.85 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 279.3 | 0.00 | |
| | Lime Filler @ 2% ( percentage by weight of aggregate) | | | | 0.00 |
| 777 | Dry hydrated lime (factory made) | quintal | 85.5 | 260.60 | 22281.52 |
| 2208 | Carriage of Lime (consitering density of lime as 1.29 T per cum) V =8.55/1.29 = 6.63 cum | cum | 6.63 | 108.08 | 716.56 |
| | **MACHINERY/ HIRE CHARGES: @75tonne per hour actual output** | | | | |
| 76 | Drum Type HMP of 60-90 TPH capacity @ 75 tonne per hour actual output @75tonne per hour actual output | hour | 6 | 11000.00 | 66000.00 |
| 64 | Paver finisher Hydrostatic with sensor control 100 TPH @75tonne per hour actual output | hour | 6 | 1500.00 | 9000.00 |
| 69 | Generator 250 KVA | hour | 6 | 400.00 | 2400.00 |
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6 | 800.00 | 4800.00 |
| 53 | Tipper -5 Cum | tonne km | 4500 | 3.00 | 13500.00 |
| | **Add 10 per cent of cost of carriage to cover cost of loading and unloading** | | | | 1350.00 |
| 55 | Smooth Wheeled Roller 8 to 10 tonne for initial break down rolling.(6*0.65) | hour | 3.9 | 200.00 | 780.00 |
| 54 | Vibratory roller 8 to 10 tonne for intermediate rolling.(6*0.65) | hour | 3.9 | 650.00 | 2535.00 |
| 56 | Tandem Road Roller Finish rolling with 6-8 tonnes smooth wheeled tandem roller.(6*0.65) | hour | 3.9 | 1150.00 | 4485.00 |
| | LABOUR | | | | |
| 128 | Mate | day | 0.84 | 270.00 | 226.80 |
| 114 | Beldar working with HMP, mechanical broom, paver, roller, asphalt cutter and assistance for setting out lines, levels and layout of construction for checking line & levels | day | 14 | 254.00 | 3556.00 |
| | Total | | | | 896015.48 |
| | Add 1 % Water charges | | | | 8960.15 |
| | TOTAL | | | | 904975.64 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 127149.08 |
| | Total | | | | 1032124.72 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 154818.71 |
| | Cost for 7800 Sqm | | | | 1186943.42 |
| | Cost per sqm | | | | 152.17 |
| | add 1% labour cess | | | | 1.52 |
| | Total | | | | 153.69 |
| | Say | | | | 153.70 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **16.57** | **Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equiped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge.** | | | | |
| 16.57.1 | **40/50 mm compacted thickness with bitumen of grade VG-30 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity** | | | | |
| | Details of cost for 191 cum (450 tonnes)<br>MATERIAL | | | | |
| 7309 | Paving Asphalt VG-30 of approved quality @5.50% (percentage by weight of total mix | tonne | 24.75 | 28401.96 | 702948.40 |
| | Carriage of Tar bitumen<br>Aggregate<br>Total weight of mix = 450 tonnes<br>Weight of bitumen = 24.75 tonnes<br>Weight of aggregate = 450 -24.75 = 425.25 tonnes<br>Taking density of aggregate = 1.5 tonne/cum | tonne | | | |
| 2211 | Volume of aggregate =425.25/1.5 =283.50cum<br>Grading - II/19 mm (Nominal Size)<br>13.2 - 10mm size = 30% of 283.50 = 85.05 cum<br>10 - 5mm size = 25% of 283.50 = 70.88 cum<br>5mm and below = 42% of 283.50 = 119.07 cum | | 24.75 | 108.08 | 2674.95 |
| 296 | Stone Aggregate (Single size) : 12.5 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.53 | 649.26 | 27609.78 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.53 | 620.42 | 26383.36 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 70.88 * 50 /100 | cum | 35.44 | 620.42 | 21987.68 |
| 298 | Stone Aggregate (Single size) : 06 mm nominal size Qty = 70.88 * 50 /100 | cum | 35.44 | 412.49 | 14618.65 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size Qty = 283.5 * 40 /100 | cum | 119.07 | 190.08 | 22632.83 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size<br>Lime Filler @ 2% ( percentage by weight of aggregate) | cum | 275.00 | 0.00 | 0.00 |
| 777 | Dry hydrated lime (factory made) | quintal | 127.60 | 260.60 | 33252.89 |
| 2208 | Carriage of Lime (consitering density of lime as 1.29 T per cum) V = 12.758/1.29 = 9.89 cum | cum | 9.89 | 108.08 | 1068.90 |
| | **MACHINERY/ HIRE CHARGES:** | | | | |
| 62 | Hot mix Plant -120 TPH capacity | hour | 3.00 | 15000.00 | 45000.00 |
| 63 | Hot mix Plant 100 TPH Capacity | hour | 3.00 | 13000.00 | 39000.00 |
| 64 | Paver finisher Hydrostatic with sensor control 100 TPH | hour | 6.00 | 1500.00 | 9000.00 |
| 69 | Generator 250 KVA | hour | 6.00 | 400.00 | 2400.00 |
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6.00 | 800.00 | 4800.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 53 | Tipper -5 Cum | tonne km | 4500.00 | 3.00 | 13500.00 |
| | **Add 10 per cent of cost of carriage to cover cost of loading and unloading** | | | | 1350.00 |
| 55 | Smooth Wheeled Roller 8 to 10 tonne for initial break down rolling.(6*0.65) | hour | 3.90 | 200 | 780.00 |
| 54 | Vibratory roller 8 to 10 tonne for intermediate rolling.(6*0.65) | hour | 3.90 | 650 | 2535.00 |
| 56 | Tandem Road Roller Finish rolling with 6-8 tonnes smooth wheeled tandem roller.(6*0.65) | hour | 3.90 | 1150 | 4485.00 |
| | LABOUR | | | | |
| 128 | Mate | day | 0.84 | 270.00 | 226.80 |
| 114 | Beldar working with HMP, mechanical broom, paver, roller, asphalt cutter and assistance for setting out lines, levels and layout of construction for checking line & levels | day | 14.00 | 254.00 | 3556.00 |
| 139 | Skilled Beldar (for floor rubbing etc.)for checking line & levels | day | 5.00 | 305.00 | 1525.00 |
| | Total | | | | 981335.23 |
| | Add 1 % Water charges | | | | 9813.35 |
| | TOTAL | | | | 991148.59 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 139256.38 |
| | Total | | | | 1130404.96 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 169560.74 |
| | Cost for 191 cum(450 Tonne) | | | | 1299965.71 |
| | Cost per cum. | | | | 6806.10 |
| | add 1% labour cess | | | | 68.06 |
| | Total | | | | 6874.16 |
| | Say | | | | **6874.20** |

**16.57.2** **40/50 mm compacted thickness with bitumen of grade VG-30 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) and waste plastic additive @ 8% (percentage by weight of bitumen) prepared in Batch Type Hot Mix Plant of 100- 120 TPH capacity.**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for 191 cum (450 tonnes) | | | | |
| | MATERIAL | | | | |
| 7309 | Paving Asphalt VG-30 of approved quality @5.50% (percentage by weight of total mix | tonne | 24.75 | 28401.96 | 702948.40 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 2211 | Carriage of Tar bitumen<br>Aggregate<br>Total weight of mix = 450 tonnes<br>Weight of bitumen = 24.75 tonnes<br>Weight of aggregate = 450 -24.75 = 425.25 tonnes Taking density of aggregate = 1.5 tonne/cum<br>Volume of aggregate =425.25/1.5 =283.50cum<br>Grading - II/19 mm (Nominal Size) 13.2 - 10mm size = 30% of 283.50 = 85.05 cum 10 - 5mm size = 25% of 283.50 = 70.88 cum 5mm and below = 42% of 283.50 = 119.07 cum<br>Waste Plastic @ 8% of the weigh of bitumen i.e. 24.75*8% | tonne | 24.75 | 108.08 | 2674.95 |
| 7280 | Waste plastic additive | tonne | 1.98 | 37228.94 | 73713.29 |
| 296 | Stone Aggregate (Single size) : 12.5 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.525 | 649.26 | 27609.78 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.525 | 620.42 | 26383.36 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 70.88 * 50 /100 | cum | 35.44 | 620.42 | 21987.68 |
| 298 | Stone Aggregate (Single size) : 06 mm nominal size Qty = 70.88 * 50 /100 | cum | 35.44 | 412.49 | 14618.65 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size Qty = 283.5 * 40 /100 | cum | 119.07 | 190.08 | 22632.83 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size<br>Lime Filler @ 2% ( percentage by weight of aggregate) | cum | 275 | 0.00 | 0.00 |
| 777 | Dry hydrated lime (factory made) | quintal | 127.6 | 260.60 | 33252.89 |
| 2208 | Carriage of Lime (consitering density of lime as 1.29 T per cum) V = 12.758/1.29 = 9.89 cum | cum | 9.89 | 108.08 | 1068.90 |
| | MACHINERY/ HIRE CHARGES: | | | | |
| 62 | Hot mix Plant -120 TPH capacity | hour | 3 | 15000.00 | 45000.00 |
| 63 | Hot mix Plant 100 TPH Capacity | hour | 3 | 13000.00 | 39000.00 |
| 64 | Paver finisher Hydrostatic with sensor control 100 TPH | hour | 6 | 1500.00 | 9000.00 |
| 69 | Generator 250 KVA | hour | 6 | 400.00 | 2400.00 |
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6 | 800.00 | 4800.00 |
| 53 | Tipper -5 Cum | tonne km | 4500 | 3.00 | 13500.00 |
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading | | | | 1350.00 |
| 55 | Smooth Wheeled Roller 8 to 10 tonne for initial break down rolling.(6*0.65) | hour | 3.9 | 200 | 780.00 |
| 54 | Vibratory roller 8 to 10 tonne for intermediate rolling.(6*0.65) | hour | 3.9 | 650 | 2535.00 |
| 56 | Tandem Road Roller Finish rolling with 6-8 tonnes smooth wheeled tandem roller.(6*0.65) | hour | 3.9 | 1150 | 4485.00 |
| | LABOUR | | | | |
| 128 | Mate | day | 0.84 | 270.00 | 226.80 |
| 114 | Beldar<br>working with HMP, mechanical broom, paver, roller, asphalt cutter and assistance for setting out lines, levels and layout of construction | day | 14 | 254.00 | 3556.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 139 | Skilled Beldar (for floor rubbing etc.) for checking line & levels | day | 5 | 305.00 | 1525.00 |
| | Total | | | | 1055048.53 |
| | Add 1 % Water charges | | | | 10550.49 |
| | TOTAL | | | | 1065599.01 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 149716.66 |
| | Total | | | | 1215315.67 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 182297.35 |
| | Cost for 191 cum(450 Tonne) | | | | 1397613.03 |
| | Cost per cum. | | | | 7317.35 |
| | add 1% labour cess | | | | 73.17 |
| | Total | | | | 7390.52 |
| | Say | | | | 7390.50 |
| 16.57.3 | **40/50 mm compacted thickness with bitumen of grade PMB-40 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.** | | | | |
| | Details of cost for 191 cum (450 tonnes) | | | | |
| | MATERIAL | | | | |
| 312 | Bitumen grade PMB - 40 @5.50% (percentage by weight of total mix | M.T. | 24.75 | 35879.39 | 888014.83 |
| 2211 | Carriage of Tar bitumen<br>Aggregate<br>Total weight of mix = 450 tonnes<br>Weight of bitumen = 24.75 tonnes<br>Weight of aggregate = 450 -24.75 =<br>425.25 tonnes<br>Taking density of aggregate = 1.5 tonne/cum<br>Volume of aggregate =425.25/1.5 =283.50cum<br>Grading - II/19 mm (Nominal Size)<br>13.2 - 10mm size = 30% of 283.50<br>= 85.05 cum<br>10 - 5mm size = 25% of 283.50<br>= 70.88 cum<br>5mm and below = 42% of 283.50<br>= 119.07 cum | tonne | 24.75 | 108.08 | 2674.95 |
| 0296 | Stone Aggregate (Single size) : 12.5 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.525 | 649.26 | 27609.78 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.525 | 620.42 | 26383.36 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 70.88 * 50 /100 | cum | 35.44 | 620.42 | 21987.68 |
| 298 | Stone Aggregate (Single size) : 06 mm nominal size Qty = 70.88 * 50 /100 | cum | 35.44 | 412.49 | 14618.65 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size Qty = 283.5 * 40 /100 | cum | 119.07 | 190.08 | 22632.83 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size Lime Filler @ 2% ( percentage by weight of aggregate) | cum | 275 | 0 | 0.00 |
| 777 | Dry hydrated lime (factory made) | quintal | 127.6 | 260.60 | 33252.89 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 2208 | Carriage of Lime(consitering density of lime as 1.29 T per cum) V = 12.758/1.29 = 9.89 cum | cum | 9.89 | 108.08 | 1068.90 |
| | **MACHINERY/ HIRE CHARGES:** | | | | |
| 62 | Hot mix Plant -120 TPH capacity | hour | 3 | 15000.00 | 45000.00 |
| 63 | Hot mix Plant 100 TPH Capacity | hour | 3 | 13000.00 | 39000.00 |
| 64 | Paver finisher Hydrostatic with sensor control 100 TPH | hour | 6 | 1500.00 | 9000.00 |
| 69 | Generator 250 KVA | hour | 6 | 400.00 | 2400.00 |
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6 | 800.00 | 4800.00 |
| 53 | Tipper -5 Cum | tonne km | 4500 | 3.00 | 13500.00 |
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading | | | | 1350.00 |
| 55 | Smooth Wheeled Roller 8 to 10 tonne for initial break down rolling.(6*0.65) | hour | 3.9 | 200 | 780.00 |
| 54 | Vibratory roller 8 to 10 tonne for intermediate rolling.(6*0.65) | hour | 3.9 | 650 | 2535.00 |
| 56 | Tandem Road Roller Finish rolling with 6-8 tonnes smooth wheeled tandem roller.(6*0.65) | hour | 3.9 | 1150 | 4485.00 |
| | LABOUR | | | | |
| 128 | Mate | day | 0.84 | 270.00 | 226.80 |
| 114 | Beldar working with HMP, mechanical broom, paver, roller, asphalt cutter and assistance for setting out lines, levels and layout of construction | day | 14 | 254.00 | 3556.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) for checking line & levels | day | 5 | 305.00 | 1525.00 |
| | Total | | | | 1166401.67 |
| | Add 1 % Water charges | | | | 11664.02 |
| | TOTAL | | | | 1178065.69 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 165518.23 |
| | Total | | | | 1343583.92 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 201537.59 |
| | Cost for 191 cum(450 Tonne) | | | | 1545121.51 |
| | Cost per cum. | | | | 8089.64 |
| | add 1% labour cess | | | | 80.90 |
| | Total | | | | 8170.54 |
| | Say | | | | 8170.50 |
| **16.57.4** | **40/50 mm compacted thickness with bitumen of grade CRMB-60 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.** | | | | |
| | Details of cost for 191 cum (450 tonnes) | | | | |
| | **MATERIAL** | | | | |
| 7741 | Modified Bitumen Refinary produced CRMB - 60 @5.50% (percentage by weight of total mix | tonne | 24.75 | 36387.00 | 900578.25 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 2211 | Carriage of Tar bitumen<br>Aggregate<br>Total weight of mix = 450 tonnes<br>Total weight of mix = 450 tonnes<br>Weight of bitumen = 24.75 tonnes<br>Weight of aggregate = 450 -24.75 = 425.25 tonnes Taking density of aggregate = 1.5 tonne/cum<br>Volume of aggregate =425.25/1.5<br>=283.50cum<br>Grading - II/19 mm (Nominal Size)<br>13.2 - 10mm size = 30% of 283.50<br>= 85.05 cum<br>10 - 5mm size = 25% of 283.50 = 70.88 cum<br>5mm and below = 42% of 283.50 =<br>119.07 cum | tonne | 24.75 | 0.00 | 0.00 |
| 296 | Stone Aggregate (Single size) : 12.5 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.525 | 649.26 | 27609.78 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.525 | 620.42 | 26383.36 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 70.88 * 50 /100 | cum | 35.44 | 620.42 | 21987.68 |
| 298 | Stone Aggregate (Single size) : 06 mm nominal size Qty = 70.88 * 50 /100 | cum | 35.44 | 412.49 | 14618.65 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size Qty = 283.5 * 40 /100 | cum | 119.07 | 190.08 | 22632.83 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 275 | 0 | 0.00 |
|  | Lime Filler @ 2% ( percentage by weight of aggregate) |  |  |  | 0.00 |
| 777 | Dry hydrated lime (factory made) | quintal | 127.6 | 260.60 | 33252.89 |
| 2208 | Carriage of Lime (consitering density of lime as 1.29 T per cum) V = 12.758/1.29 = 9.89 cum | cum | 9.89 | 108.08 | 1068.90 |
|  | **MACHINERY/ HIRE CHARGES:** |  |  |  |  |
| 62 | Hot mix Plant -120 TPH capacity | hour | 3 | 15000.00 | 45000.00 |
| 63 | Hot mix Plant 100 TPH Capacity | hour | 3 | 13000.00 | 39000.00 |
| 64 | Paver finisher Hydrostatic with sensor control 100 TPH | hour | 6 | 1500.00 | 9000.00 |
| 69 | Generator 250 KVA | hour | 6 | 400.00 | 2400.00 |
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6 | 800.00 | 4800.00 |
| 53 | Tipper -5 Cum | tonne km | 4500 | 3.00 | 13500.00 |
|  | **Add 10 per cent of cost of carriage to cover cost of loading and unloading** |  |  |  | 1350.00 |
| 55 | Smooth Wheeled Roller 8 to 10 tonne for initial break down rolling.(6*0.65) | hour | 3.9 | 200.00 | 780.00 |
| 54 | Vibratory roller 8 to 10 tonne for intermediate rolling.(6*0.65) | hour | 3.9 | 650.00 | 2535.00 |
| 56 | Tandem Road Roller Finish rolling with 6-8 tonnes smooth wheeled tandem roller.(6*0.65) | hour | 3.9 | 1150.00 | 4485.00 |
|  | LABOUR |  |  |  |  |
| 128 | Mate | day | 0.84 | 270.00 | 226.80 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Beldar | day | 14 | 254.00 | |
| 114 | working with HMP, mechanical broom, paver, roller, asphalt cutter and assistance for setting out lines, levels and layout of construction | | | | 3556.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) for checking line & levels | day | 5 | 305.00 | 1525.00 |
| | Total | | | | 1176290.13 |
| | Add 1 % Water charges | | | | 11762.90 |
| | TOTAL | | | | 1188053.04 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 166921.45 |
| | Total | | | | 1354974.49 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 203246.17 |
| | Cost for 191 cum(450 Tonne) | | | | 1558220.66 |
| | Cost per cum. | | | | 8158.22 |
| | add 1% labour cess | | | | 81.58 |
| | Total | | | | 8239.81 |
| | Say | | | | 8239.80 |
| **16.57.5** | **40/50 mm compacted thickness with bitumen of grade VG-30@ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) prepared in drum Type Hot Mix Plant of 60-90 TPH capacity.** | | | | |
| | Details of cost for 191 cum (450 tonnes) | | | | |
| | MATERIAL | | | | |
| 7309 | Paving Asphalt VG-30 of approved quality @5.50% (percentage by weight of total mix | tonne | 24.75 | 28401.96 | **702948.40** |
| 2211 | Carriage of Tar bitumen | tonne | 24.75 | 0 | 0.00 |
| | Aggregate | | | | |
| | Total weight of mix = 450 tonnes | | | | |
| | Weight of bitumen = 24.75 tonnes | | | | |
| | Weight of aggregate = 450 -24.75 | | | | |
| | = 425.25 tonnes | | | | |
| | Taking density of aggregate = 1.5 tonne/cum | | | | |
| | Volume of aggregate =425.25/1.5 | | | | |
| | =283.50cum | | | | |
| | Grading - II/19 mm (Nominal Size) | | | | |
| | 13.2 - 10mm size = 30% of 283.50 | | | | |
| | = 85.05 cum | | | | |
| | 10 - 5mm size = 25% of 283.50 = 70.88 cum | | | | |
| | 5mm and below = 42% of 283.50 | | | | |
| | = 119.07 cum | | | | |
| 0296 | Stone Aggregate (Single size) : 12.5 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.525 | 649.26 | 27609.78 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.525 | 620.42 | 26383.36 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 70.88 * 50 /100 | cum | 35.44 | 620.42 | 21987.68 |
| 298 | Stone Aggregate (Single size) : 06 mm nominal size Qty = 70.88 * 50 /100 | cum | 35.44 | 412.49 | 14618.65 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size Qty = 283.5 * 40 /100 | cum | 119.07 | 190.08 | 22632.83 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 2202 | Carriage of stone aggregate below 40mm nominal size Lime filler @2%(percentage by weight of aggregate) | cum | 275 | 0 | 0.00 |
| 777 | Dry hydrated lime (factory made) | quintal | 127.6 | 260.60 | 33252.89 |
| 2208 | Carriage of Lime (consitering density of lime as 1.29 T per cum) V = 12.758/1.29 = 9.89 cum | cum | 9.89 | 108.08 | 1068.90 |
| | **MACHINERY/ HIRE CHARGES:** | | | | |
| 76 | Drum Type HMP of 60-90 TPH capacity @ 75 tonne per hour actual output | hour | 6 | 11000.00 | 66000.00 |
| 64 | Paver finisher Hydrostatic with sensor control 100 TPH | hour | 6 | 1500.00 | 9000.00 |
| 69 | Generator 250 KVA | hour | 6 | 400.00 | 2400.00 |
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6 | 800.00 | 4800.00 |
| 53 | Tipper -5 Cum | tonne km | 4500 | 3.00 | 13500.00 |
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading | | | | 1350.00 |
| 55 | Smooth Wheeled Roller 8 to 10 tonne for initial break down rolling.(6*0.65) | hour | 3.9 | 200.00 | 780.00 |
| 54 | Vibratory roller 8 to 10 tonne for intermediate rolling.(6*0.65) | hour | 3.9 | 650.00 | 2535.00 |
| 56 | Tandem Road Roller Finish rolling with 6-8 tonnes smooth wheeled tandem roller.(6*0.65) | hour | 3.9 | 1150.00 | 4485.00 |
| | **LABOUR** | | | | |
| 128 | Mate | day | 0.84 | 270.00 | 226.80 |
| 114 | Beldar working with HMP, mechanical broom, paver, roller, asphalt cutter and assistance for setting out lines, levels and layout of construction | day | 14 | 254.00 | 3556.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) for checking line & levels | day | 5 | 305.00 | 1525.00 |
| | Total | | | | 960660.28 |
| | Add 1 % Water charges | | | | 9606.60 |
| | TOTAL | | | | 970266.88 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 136322.50 |
| | Total | | | | 1106589.38 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 165988.41 |
| | Cost for 191 cum(450 Tonne) | | | | 1272577.79 |
| | Cost per cum. | | | | 6662.71 |
| | add 1% labour cess | | | | 66.63 |
| | Total | | | | 6729.34 |
| | Say | | | | 6729.30 |

16.57.6 **40/50 mm compacted thickness with bitumen of grade VG-30 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) and waste plastic additive @ 8% (percentage by weight of bitumen) prepared in drum Type Hot Mix Plant of 60-90 TPH capacity.**

Details of cost for 191 cum (450 tonnes)
MATERIAL

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 7309 | Paving Asphalt VG-30 of approved quality @5.50% (percentage by weight of total mix | tonne | 24.75 | 28401.96 | 702948.40 |
| 2211 | Carriage of Tar bitumen<br>Waste Plastic @ 8% of the weigh of bitumen i.e. 24.75*8% | tonne | 24.75 | 0 | 0.00 |
| 7280 | Waste plastic additive | **tonne** | 1.98 | 37228.94 | 73713.29 |
| | Aggregate<br>Total weight of mix = 450 tonnes Weight of bitumen = 24.75 tonnes Weight of aggregate = 450 -24.75 = 425.25 tonnes<br>Taking density of aggregate = 1.5 tonne/cum Volume of aggregate =425.25/1.5 =283.50cum<br>Grading - II/19 mm (Nominal Size) 13.2 - 10mm size = 30% of 283.50 = 85.05 cum<br>10 - 5mm size = 25% of 283.50 = 70.88 cum 5mm and below = 42% of 283.50 = 119.07 cum | | | | 0.00<br>0.00 |
| 296 | Stone Aggregate (Single size) : 12.5 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.525 | 649.26 | 27609.78 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.525 | 620.42 | 26383.36 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 70.88 * 50 /100 | cum | 35.44 | 620.42 | 21987.68 |
| 298 | Stone Aggregate (Single size) : 06 mm nominal size Qty = 70.88 * 50 /100 | cum | 35.44 | 412.49 | 14618.65 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size Qty = 283.5 * 40 /100 | cum | 119.07 | 190.08 | 22632.83 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 275 | 0 | 0.00 |
| | Lime Filler @ 2% ( percentage by weight of aggregate) | | | | 0.00 |
| 777 | Dry hydrated lime (factory made) | quintal | 127.6 | 260.60 | 33252.89 |
| 2208 | Carriage of Lime<br>(consitering density of lime as 1.29 T per cum) V = 12.758/1.29 = 9.89 cum | cum | 9.89 | 108.08 | 1068.90 |
| | MACHINERY/ HIRE CHARGES: | | | | 0.00 |
| 76 | Drum Type HMP of 60-90 TPH capacity @ 75 tonne per hour actual output | hour | 6 | 11000.00 | 66000.00 |
| 64 | Paver finisher Hydrostatic with sensor control 100 TPH | hour | 6 | 1500.00 | 9000.00 |
| 69 | Generator 250 KVA | hour | 6 | 400.00 | 2400.00 |
| 52 | Front end loader 1 cum bucket capacity<br>(incl POL) | hour | 6 | 800.00 | 0.00<br>4800.00 |
| 53 | Tipper -5 Cum | tonne km | 4500 | 3.00 | 13500.00 |
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading | | | | 1350.00 |
| 55 | Smooth Wheeled Roller 8 to 10 tonne for initial break down rolling.(6*0.65) | hour | 3.9 | 200.00 | 780.00 |
| 54 | Vibratory roller 8 to 10 tonne for intermediate rolling.(6*0.65) | hour | 3.9 | 650.00 | 2535.00 |
| 56 | Tandem Road Roller | hour | 3.9 | 1150.00 | 4485.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Finish rolling with 6-8 tonnes smooth wheeled tandem roller.(6*0.65) | | | | 0.00 |
| | LABOUR | | | | 0.00 |
| 128 | Mate | day | 0.84 | 270.00 | 226.80 |
| 114 | Beldar | day | 14 | 254.00 | 3556.00 |
| | working with HMP, mechanical broom, paver, roller, asphalt cutter and assistance for setting out lines, levels and layout of construction | | | | 0.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) for checking line & levels | day | 5 | 305.00 | 1525.00 |
| | Total | | | | 1034373.57 |
| | Add 1 % Water charges | | | | 10343.74 |
| | TOTAL | | | | 1044717.31 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 146782.78 |
| | Total | | | | 1191500.09 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 178725.01 |
| | Cost for 191 cum(450 Tonne) | | | | 1370225.11 |
| | Cost per cum. | | | | 7173.95 |
| | add 1% labour cess | | | | 71.74 |
| | Total | | | | 7245.69 |
| | Say | | | | 7245.70 |
| **16.57.7** | **40/50 mm compacted thickness with bitumen of grade PMB-40 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) prepared in drum Type Hot Mix Plant of 60-90 TPH capacity.** | | | | |
| | Details of cost for 191 cum (450 tonnes) | | | | |
| | MATERIAL | | | | |
| 312 | Bitumen grade PMB - 40 @5.50% (percentage by weight of total mix | M.T. | 24.75 | 35879.39 | 888014.83 |
| | Carriage of Tar bitumen | tonne | 24.75 | 0 | |
| 2211 | Aggregate<br>Total weight of mix = 450 tonnes Weight of bitumen = 24.75 tonnes<br>Weight of aggregate = 450 -24.75 = 425.25 tonnes<br>Taking density of aggregate = 1.5 tonne/cum<br>Volume of aggregate =425.25/1.5 =283.50cum<br>Grading - II/19 mm (Nominal Size)<br>13.2 - 10mm size = 30% of 283.50 = 85.05 cum<br>10 - 5mm size = 25% of 283.50 = 70.88 cum<br>5mm and below = 42% of 283.50 = 119.07 cum | | | | 0.00 |
| 296 | Stone Aggregate (Single size) : 12.5 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.525 | 649.26 | 27609.78 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.525 | 620.42 | 26383.36 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 70.88 * 50 /100 | cum | 35.44 | 620.42 | 21987.68 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 298 | Stone Aggregate (Single size) : 06 mm nominal size Qty = 70.88 * 50 /100 | cum | 35.44 | 412.49 | 14618.65 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size Qty = 283.5 * 40 /100 | cum | 119.07 | 190.08 | 22632.83 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 275 | 0 | 0.00 |
| | Lime Filler @ 2% ( percentage by weight of aggregate) | | | | 0.00 |
| 777 | Dry hydrated lime (factory made) | quintal | 127.6 | 260.60 | 33252.89 |
| 2208 | Carriage of Lime (consitering density of lime as 1.29 T per cum) V = 12.758/1.29 = 9.89 cum | cum | 9.89 | 108.08 | 1068.90 |
| | MACHINERY/ HIRE CHARGES: | | | | 0.00 |
| 76 | Drum Type HMP of 60-90 TPH capacity @ 75 tonne per hour actual output | hour | 6 | 11000.00 | 66000.00 |
| 64 | Paver finisher Hydrostatic with sensor control 100 TPH | hour | 6 | 1500.00 | 9000.00 |
| 69 | Generator 250 KVA | hour | 6 | 400.00 | 2400.00 |
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6 | 800.00 | 4800.00 |
| 53 | Tipper -5 Cum | tonne km | 4500 | 3.00 | 13500.00 |
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading | | | | 1350.00 |
| 55 | Smooth Wheeled Roller 8 to 10 tonne for initial break down rolling.(6*0.65) | hour | 3.9 | 200.00 | 780.00 |
| 54 | Vibratory roller 8 to 10 tonne for intermediate rolling.(6*0.65) | hour | 3.9 | 650.00 | 2535.00 |
| 56 | Tandem Road Roller Finish rolling with 6-8 tonnes smooth wheeled tandem roller.(6*0.65) | hour | 3.9 | 1150.00 | 4485.00 |
| | LABOUR | | | | 0.00 |
| 128 | Mate | day | 0.84 | 270.00 | 226.80 |
| 114 | Beldar | day | 14 | 254.00 | 3556.00 |
| | working with HMP, mechanical broom, paver, roller, asphalt cutter and assistance for setting out lines, levels and layout of construction | | | | 0.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) for checking line & levels | day | 5 | 305.00 | 1525.00 |
| | Total | | | | 1145726.72 |
| | Add 1 % Water charges | | | | 11457.27 |
| | TOTAL | | | | 1157183.99 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 162584.35 |
| | Total | | | | 1319768.34 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 197965.25 |
| | Cost for 191 cum(450 Tonne) | | | | 1517733.59 |
| | Cost per cum. | | | | 7946.25 |
| | add 1% labour cess | | | | 79.46 |
| | Total | | | | 8025.71 |
| | Say | | | | 8025.70 |

16.57.8. **40/50 mm compacted thickness with bitumen of grade CRMB-60 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) prepared in Drum Type Hot Mix Plant of 60-90 TPH capacity.**

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Details of cost for 191 cum (450 tonnes) | | | | |
| | MATERIAL | | | | |
| 7741 | Modified Bitumen Refinary produced CRMB - 60 @5.50% (percentage by weight of total mix | tonne | 24.75 | 36387.00 | 900578.25 |
| 2211 | Carriage of Tar bitumen | tonne | 24.75 | 0 | 0.00 |
| | Aggregate | | | | |
| | Total weight of mix = 450 tonnes<br>Weight of bitumen = 24.75 tonnes<br>Weight of aggregate = 450 -24.75 = 425.25 tonnes<br>Taking density of aggregate = 1.5 tonne/cum<br>Volume of aggregate =425.25/1.5 = 283.50cum<br>Grading - II/19 mm (Nominal Size)<br>13.2 - 10mm size = 30% of 283.50 = 85.05 cum<br>10 - 5mm size = 25% of 283.50 = 70.88 cum<br>5mm and below = 42% of 283.50 = 119.07 cum | | | | |
| 296 | Stone Aggregate (Single size) : 12.5 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.525 | 649.26 | 27609.78 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 85.5 * 50 /100 | cum | 42.525 | 620.42 | 26383.36 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size Qty = 70.88 * 50 /100 | cum | 35.44 | 620.42 | 21987.68 |
| 298 | Stone Aggregate (Single size) : 06 mm nominal size Qty = 70.88 * 50 /100 | cum | 35.44 | 412.49 | 14618.65 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size Qty = 283.5 * 40 /100 | cum | 119.07 | 190.08 | 22632.83 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | | | | |
| | Lime Filler @ 2% ( percentage by weight of aggregate) | cum | 275 | 0.00 | 0.00 |
| 777 | Dry hydrated lime (factory made) | quintal | 127.6 | 260.60 | 33252.89 |
| 2208 | Carriage of Lime (consitering density of lime as 1.29 T per cum) V = 12.758/1.29 = 9.89 cum | cum | 9.89 | 108.08 | 1068.90 |
| | MACHINERY/ HIRE CHARGES: | | | | |
| 76 | Drum Type HMP of 60-90 TPH capacity @ 75 tonne per hour actual output | hour | 6 | 11000.00 | 66000.00 |
| 64 | Paver finisher Hydrostatic with sensor control 100 TPH | hour | 6 | 1500.00 | 9000.00 |
| 69 | Generator 250 KVA | hour | 6 | 400.00 | 2400.00 |
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6 | 800.00 | 4800.00 |
| 53 | Tipper -5 Cum | tonne km | 4500 | 3.00 | 13500.00 |
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading | | | | 1350.00 |
| 55 | Smooth Wheeled Roller 8 to 10 tonne for initial break down rolling.(6*0.65) | hour | 3.9 | 200.00 | 780.00 |
| 54 | Vibratory roller 8 to 10 tonne for intermediate rolling.(6*0.65) | hour | 3.9 | 650.00 | 2535.00 |
| 56 | Tandem Road Roller Finish rolling with 6-8 tonnes smooth wheeled tandem roller.(6*0.65) | hour | 3.9 | 1150.00 | 4485.00 |
| | LABOUR | | | | 0.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 128 | Mate | day | 0.84 | 270.00 | 226.80 |
| 114 | Beldar working with HMP, mechanical broom, paver, roller, asphalt cutter and assistance for setting out lines, levels and layout of construction | day | 14 | 254.00 | 3556.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) for checking line & levels | day | 5 | 305.00 | 1525.00 |
| | Total | | | | 1158290.13 |
| | Add 1 % Water charges | | | | 11582.90 |
| | TOTAL | | | | 1169873.04 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 164367.16 |
| | Total | | | | 1334240.20 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 200136.03 |
| | Cost for 191 cum(450 Tonne) | | | | 1534376.23 |
| | Cost per cum. | | | | 8033.38 |
| | add 1% labour cess | | | | 80.33 |
| | Total | | | | 8113.72 |
| | Say | | | | 8113.70 |

**16.59 Manufacturing, supplying and fixing retro reflective sign boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type - IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bi-lingual), symbols and borders etc. as per IRC ; 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class -2 of ASTM-D- 4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back support frame of M.S. angle iron of size 25x25x3 mm along with theft resistant measures, mounted and fixed with 2 Nos. M.S. angles of size 35x35x5 mm to a vertical post made up to M.S. Tee section ISMT 50x50x6 mm welded with base plate of size 100x100x5 mm at the bottom end and including making holes in pipes, angles flats, providing & fixing M.S. message plate of required size, steel work to be painted with two or more coats of synthetic enamel paint of required shade and of approved brand & manufacture over priming coat of zinc chromate yellow primer (vertical MS-Tee support to be painted in black and white colours).Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing , specification and direction of Engineer--in-charge.**

**16.59.1 Mandatory/ Regulatory sign boards of 900 mm diametre with support length of 3750 mm**

Details cost for 1 no. of 0.636 sqm MATERIAL
Aluminium sheet 2 mm thick 3.14/4x(0.9)x(0.9)=0.636 sqm
add 10% wastage = 0.064 i.e. 0.700sqm
@ 5.60kg/ sqm = 3.92kg

| | | | | | |
|---|---|---|---|---|---|
| 2704 | Aluminium Strip 40 mm wide and 2 mm thick | kilogram | 3.92 | 209.41 | 820.90 |
| 2302 | Carriage of G.I. sheet and accessories 3.92kg or 0.00392 MTHigh intensity retro reflective sheet = 0.70 sqm. High intensity sheet for lettering / sign and border etc. Taking 40% Area =0.28sqm,total = 0.70 + 0.28 = 0.98 sqm | tonne | 0.00392 | 96.07 | 0.38 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | High intensity retro - reflective sheet Steel work | | 0.98 | 1419.35 | 1390.97 | (A) |
| 8690 | Supporting frame 25x25x3mm for 900mm dia board:-<br>3.14D=3.1416x0.90=2.83 metre<br>@ 1.10kg/m =3.11kg<br>Angle iron 35x35x.5mm for fixing the support frame with vertical Tee-iron support post<br>2x0.05=0.10m @ 2.6 kg/m = 0.26kg Vertical post of M.S. tee of section ISNT 50x50x6mm = 3.75 metre<br>@ 4.50kg/m = 16.88 kg<br>Bass plate to be welded at bottom end of tee (As hold fast)<br>(100x100x5mm)x7850/133)=0.39kg, total<br>= 3.11 + 0.26 +16.88 + 0.39 = 20.64kg.<br>Add wastage @ 5% = 1.03 Total = 20.64 + 1.03 = 21.67kg | sqm | | | | |
| 10.2 | Rate as per item no 10.2 of SH : Steel work | kg | 21.67 | 67.6 | 1464.89 | |
| | LABOUR | | | | 0.00 | |
| 128 | Mate | **day** | 0.01 | 270.00 | 2.70 | |
| 114 | Beldar | **day** | 0.25 | 254.00 | 63.50 | |
| 9999 | Cost of material for drilling holes, nut bolts & rivets, fabrication etc.<br>Painting with synthetic enamel paint on steel work support frame 25x25x3mm<br>=2.83x0.10=0.283 sqm<br>Fixing angle 35x35x5mm<br>= 2x0.50x0.14=0.014 sqm<br>Vertical post Tee 50x50x6mm<br>=3.75x0.20=0.750sqm<br>Base plate 100x100x5mm<br>Surface area = 2x[0.10x0.10] =0.02 4x0.10x0.005 = 0 .002<br>Total = 1.069 sqm | L.S. | 65 | 1.80 | 117.00 | |
| 13.61.1 | Rate as per item no 13.61.1 of SH : Finishing Painting with epoxy paint on back side of aluminium sheet. | sqm | 1.07 | 95.14 | 101.80 | (A) |
| 13.52.1 | Rate as per Item no. 13.52.1 of SH: Finishing | sqm | 0.636 | 103.31 | 65.71 | (A) |
| 9999 | Sundries and hold fast etc. | L.S. | 78 | 1.80 | 140.40 | |
| | Total | | | | 4168.24 | |
| | Total A | | | | 1558.48 | |
| | Add 1 % Water charges on all except (A) i.e. | | | | 26.10 | |
| | Total | | | | 4194.34 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) on all except A | | | | 370.34 | |
| | Total | | | | 4564.68 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" all except (A) | | | | 450.93 | |
| | Cost of 1 no. | | | | 5015.61 | |
| | add 1% labour cess | | | | 50.16 | |
| | Total | | | | 5065.77 | |
| | Say | | | | 5065.80 | |

**16.59.2 Cautionary /warning sign boards of equilateral triangular shape having each side of 900 mm with support length of 3650 mm**

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Details cost for 1 board of 0.35 sqm<br>MATERIAL | | | | | |
| | Aluminium sheet 2 mm thick Area 1/2x(0.9)x(0.78)=0.35 sqm add 10% wastage = 0.04 i.e. 0.39sqm @ 5.60kg/ sqm = 2.18kg | | | | | |
| 2704 | Aluminium Strip 40 mm wide and 2 mm thick | kilogram | 2.18 | 209.41 | 456.52 | |
| 2302 | Carriage of G.I. sheet and accessories 2.18kg or 0.00218 MT High intensity retro reflective sheet = 0.39 sqm. High intensity sheet for lettering / sign/ symbol/ border etc. Taking 40% Area =0.16sqm, total = 0.39 + 0.16 = 0.55 sqm | tonne | 0.00218 | 96.07 | 0.21 | |
| 8690 | High intensity retro - reflective sheet Steel work<br>Supporting frame 25x25x3mm for 900mm dia board:-<br>3.14D=3.1416x0.90=2.83 metre<br>@ 1.10kg/m =3.11kg<br>Angle iron 35x35x.5mm for fixing the support frame with vertical Tee-iron support post<br>2x0.05=0.10m @ 2.6 kg/m = 0.26kg Vertical post of M.S. tee of section ISNT 50x50x6mm = 3.75 metre<br>@ 4.50kg/m = 16.88 kg<br>Bass plate to be welded at bottom end of tee (As hold fast)<br>(100x100x5mm)x7850/133)=0.39kg, total<br>= 3.11 + 0.26 +16.88 + 0.39 = 20.64kg.<br>Add wastage @ 5% = 1.03 Total = 20.64 + 1.03 = 21.67kg. | sqm | 0.55 | 1419.35 | 780.64 | |
| 10.2 | Rate as per item no 10.2 of SH : Steel work | kg | 21.05 | 67.6 | 1422.98 | (A) |
| | LABOUR | | | | 0.00 | |
| 128 | Mate | day | 0.01 | 270.00 | 2.70 | |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 | |
| 9999 | Cost of material for drilling holes, nut bolts & rivets, fabrication etc. | L.S. | 65 | 1.80 | 117.00 | |
| | Painting with synthetic enamel paint on Angle iron .<br>support frame 25x25x3mm<br>=1x2.7x0.10=0.27 sqm.<br>Angle 35x35x5mm<br>= 2x0.50x0.14=0.014 sqm<br>Tee 50x50x6mm<br>=1x3.65x0.20 =0.73sqm<br>Base plate to be welded at bottom end of Tee<br>100x100x5mm<br>0.022 sqm<br>Total = 1.036 sqm | | | | | |
| 13.94.1 | Rate as per item no 13.61.1 of SH : Finishing Painting with epoxy paint on back side of aluminium sheet. 0.35 sqm | sqm | 1.036 | 95.14 | 98.57 | (A) |
| 13.82B.1 | Rate as per Item no. 13.52.1 of SH: Finishing | **sqm** | 0.35 | 103.31 | 36.16 | (A) |
| 9999 | Sundries & hold fast etc. | L.S. | 65 | 1.80 | 117.00 | |
| | Total | | | | 3095.28 | |
| | Total A | | | | 1557.71 | |
| | Add 1 % Water charges on all except (A) i.e. | | | | 15.38 | |
| | Total | | | | 3110.66 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X" ( multiplying factor 0.1405) on all except A | | | | 218.19 |
| | Total | | | | 3328.85 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" all except (A) | | | | 265.67 |
| | Cost of 1 board. | | | | 3594.52 |
| | Say | | | | 3594.50 |

**16.60 Manufacturing, supplying and fixing retro reflective overhead signage boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity and encapsulated lens type heat activated retro reflective sheeting conforming to type - III of ASTM-D-4956-01 as approved by Engineer-in-charge, letters, borders etc. as per IRC : 67-2001 in silver white with blue colour back ground and with high intensity grade, pasted on substrate by pressure sensitive adhesive backing which shall be activated by applying pressure conforming to class II of ASTM-D- 4956-01 and fixing the same to the plate of structural frame work by means of suitable sized aluminium alloys, rivets or bolts & nuts @ 300 mm centre to centre all along the periphery as well as in two vertical rows along with theft resistant measures, including the cost of painting with two or more coats of epoxy paint in grey colour on the back side of aluminium sheet including appropriate priming coat. The rate includes the cost of rounding off the corners, lowering down the structural frame work from the gantry, fixing and erecting the same in position all complete as per drawings, specification and direction of the engineer-in-charge.(Structural frame work including M.S. plate to be provided separately. Rectangular area of the sheet only shall be measured for payment).**

| | | | | | |
|---|---|---|---|---|---|
| 16.60.1 | Overhead informatory road signage<br>Details of cost for boards area 3.00x1.20 =3.60 sqm | | | | |
| | MATERIAL | | | | |
| 2704 | Aluminium Strip 40 mm wide and 2 mm thick Add 5% wastage = 1.01 kg<br>Total = 20.16 + 1.01 = 21.17 kg. | kilogram | 21.17 | 209.41 | 4433.27 |
| 2302 | Carriage of G.I. sheet and accessories high itensity sheet for written matter.<br>Taking 40% 3.60x40% = 1.44 sqm.<br>Total = 3.60 + 1.44 = 5.04 sqm. | tonne | 0.02117 | 96.07 | 2.03 |
| 8690 | High intensity retro - reflective sheet | sqm | 5.04 | 1419.35 | 7153.54 |
| 588 | Chromium plated Brass screws 25 mm for peripheries = 2x(300+120)/30=28 nos.<br>For vertical Rows = 2x (120/30-2)=4 nos.<br>Total= 28 + 4 = 32nos.<br>For wastage @ 5% =2 nos.<br>Total = 32 +2 = 34 nos. | 100 Nos | 0.34 | 176.84 | 60.12 |
| | Labour charges for drilling holes | | | | 0.00 |
| 9999 | Hire charges of drill machine and sundries | L.S. | 52 | 1.80 | 93.60 |
| 9999 | Hoisting board | L.S. | 390 | 1.80 | 702.00 |
| | Labour charges for manufacturing of board including . | | | | 0.00 |
| 9999 | fixing retro reflective sheet Painting with epoxy paint on back side of Aluminium sheet, | L.S. | 564.2 | 1.80 | 1015.56 |
| 13.82B.1 | Rate as per Item no. 13.52.1 of SH: Finishing | sqm | 3.6 | 103.31 | 371.93 (A) |
| | Total | | | | 13832.06 |
| | Add 1 % Water charges on all except (A) i.e. on | | | | 134.60 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Total | | | | 13966.66 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) on all except A | | | | 1910.06 | |
| | Total | | | | 15876.72 | |
| | Add 15 % Contractor's profit and overheads on all except (A) i.e. on | | | | 2325.72 | |
| | Cost of 3.60 sqm | | | | 18202.44 | |
| | Cost of 1 sqm. | | | | 5056.23 | |
| | add 1% labour cess | | | | 50.56 | |
| | Total | | | | 5106.80 | |
| | Say | | | | 5106.80 | |
| **16.61** | **Providing Retro-reflective regulatory sign board of size 900 mm dia meter made out of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated lens type retro -reflective sheeting as approved by Engineer-in-charge . Letter, symbols, borders etc. will be as per IRC - 67 with required colour scheme on the boards and with the high intensity grade A. The aluminium sheet to be riveted to M.S. frame of angle iron of size 40x40x4 mm. The boards will be fixed to 1 No. 50x50 mm square post made of M.S. angle 50x50x4 mm, 4 m long welded to the frame with adequate anti-theft arrangement .Sheet work to be painted with two or more coats of synthetic enamel paint over an under coat (primer) and back side of aluminium sheet to be painted with two or more coats of epoxy paint including appropriate priming coat complete in all respects as per direction of Engineer-in-charge.** | | | | | |
| | Details cost for one board of 0.635 sqm<br>Aluminium sheet 2mm thick = 0.635 sqm.<br>Add 10% wastage = 0.06 sqm, total =<br>0.635 + 0.06 = 0.695 sqm.<br>Say 0.70 sqm @ 5.6kg/sqm = 3.98 kg | | | | | |
| | MATERIAL | | | | | |
| | Aluminium Strip 40 mm wide and 2 mm thick 0.70 sqm | kilogram | 3.98 | 209.41 | | |
| 2704 | High intensity retro reflective sheet = 0.70 sqm<br>high intensity sheet for lettering/ sing and border etc.<br>Taking 40% Area=0.28 sqm, total = 0.70 + 0.28 = 0.98 sqm. | | | | 833.46 | |
| | High intensity retro - reflective sheet Angle iron | sqm | 0.98 | 1419.35 | | |
| 8690 | 40x40x4mm = 4x0.60=2.40@<br>2.4kg/ mtr = 5.76 kg<br>50x50x5 mm = 2x4m =8m @ 3kg/ mtr =24.00 kg<br>Total = 5.76 + 24.00 = 29.76 kg | | | | 1390.97 | |
| 10.3 | Rate as per item no 10.3 of SH : Steel work | kg | 29.76 | 69.95 | 2081.57 | (A) |
| | LABOUR | | | | | |
| 128 | Mate | day | 0.01 | 270.00 | 2.70 | |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 | |
| 9999 | Cost of material for drilling holes, nut bolts & rivets, facrication etc. @ 2% on ( X + Y + A). | L.S. | 70.23 | 1.80 | 126.41 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | (e) Painting with synthetic enamel paint 1x2.40.12=0.29 sqm<br>1x4.00x0.12=0.80 sqm,<br>Total = 0.29 + 0.80 = 1.09 sqm | | | | |
| 13.94.1 | Rate as per item no 13.94.1 of SH : Finishing | sqm | 1.09 | 95.14 | 103.71 (A) |
| 13.82B.1 | Painting with epoxy paint on back side of aluminium sheet, Rate as per Item no. 13.82B.1 of SH: Finishing | sqm | 0.635 | 103.31 | 65.60 (A) |
| 9999 | Sundries & hole fast etc, | L.S. | 31.2 | 1.80 | 56.16 |
| | Total | | | | 4724.08 |
| | Add 1 % Water charges on all except (A) i.e. on | | | | 24.73 |
| | Total | | | | 4748.82 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) on all except A | | | | 350.96 |
| | Total | | | | 5099.78 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" all except (A) | | | | 427.33 |
| | Cost for 1 board | | | | 5527.11 |
| | add 1% labour cess | | | | 55.27 |
| | Total | | | | 5582.38 |
| | Say | | | | 5582.40 |

**16.62 Providing and applying 2.5 mm thick road marking strips (retro- reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.**

Details of cost for 200 sqm (Area covered on one day):-

MATERIAL

| | | | | | |
|---|---|---|---|---|---|
| | Thermoplastic paint screeded in paint form for 2.5 mm thick road making stripe including glass beads etc. as pe specifications<br>200 sqm @ 5kg/ sqm = 1000 kg<br>Wastage @ 5% = 50kg<br>Total = 1050 kg | | | | |
| 8687 | Thermoplastic paint Glass beads (B-class) to be sprayed over the paint stripe @ 250 gms. Per sqm = 100x0.25=25 kg | kg | 1050 | 40.47 | 42495.40 |
| 8688 | Glass beads | kg | 50 | 55.84 | 2792.17 |
| | MACHINERY | | | | 0.00 |
| 33 | Paint applicator. | day | 1 | 800.00 | 800.00 |
| 83 | Hire charges of TATA 407 or equivalent for local shifting. | day | 1 | 1400.00 | 1400.00 |
| 1241 | Commercial LPG in cylinder. | kg | 142 | 60.50 | 8590.58 |
| | LABOUR | | | | 0.00 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 157 | Operator (Pile/ Special machine) | day | 1 | 430.00 | 430.00 | |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 4 | 305.00 | 1220.00 | |
| 114 | Beldar | day | 4 | 254.00 | 1016.00 | |
| | Total | | | | 58744.15 | |
| | Add 1 % Water charges | | | | 587.44 | |
| | TOTAL | | | | 59331.59 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 8336.09 | |
| | Total | | | | 67667.68 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 10150.15 | |
| | Cost for 200 sqm | | | | 77817.83 | |
| | Cost per sqm | | | | 389.09 | |
| | add 1% labour cess | | | | 3.89 | |
| | Rate including labour cess | | | | 392.98 | |
| | Say | | | | 393.00 | |
| **16.63** | **Providing, laying and making kerb channel 30 cm wide and 50 mm thick with cement concrete 1:3:6 (1 cement: 3 coarse sand:6 graded stone aggregate 20 mm nominal size) over 75mm bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth etc. complete and as per direction of Engineer-in-charge.** | | | | | |
| | Details of cost for 10 sqm. | | | | | |
| | METERIAL | | | | | |
| 287 | Brick Aggregate (Single size) : 40 mm nominal size | cum | 1 | 1351.00 | 1351.00 | |
| 2260 | Carriage of Brick aggregate | cum | 1 | 0.00 | 0.00 | |
| 6501 | Sand zone V (Jamuna) | cum | 0.08 | 117.66 | 9.41 | |
| 2335 | Carriage of Jamuna sand | cum | 0.08 | 0.00 | 0.00 | |
| | Labour for spreading, ramming and consolidation. | | | | 0.00 | |
| 114 | Beldar | day | 0.35 | 254.00 | 88.90 | |
| 115 | Coolie | day | 0.26 | 265.00 | 68.90 | |
| 101 | Bhisti | day | 0.18 | 277.00 | 49.86 | |
| | Cement concrete-1:3:6 | | | | | |
| 4.1.6 | Rate as per item no 4.1.6 of SH : Concrete | | | | | |
| | Work | cum | 0.5 | 3274.25 | 1637.13 | (A) |
| | Total | | | | 3205.20 | |
| | Add 1 % Water charges on all except (A) i.e. on | | | | 15.68 | |
| | Total | | | | 3220.88 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) on all except A | | | | 451.21 | |
| | Total | | | | 3672.09 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" all except (A) | | | | 305.24 | |
| | Cost for 10 sqm. | | | | 3977.34 | |
| | Cost for 1 sqm. | | | | 397.73 | |
| | add 1% labour cess | | | | 3.98 | |
| | Total | | | | 401.71 | |
| | Say | | | | 401.70 | |
| **16.64** | **Providing and laying 75 mm thick compacted bed of dry brick aggregate of 40 mm thick nominal size including spreading, well ramming, consolidating and grouting with jamuna sand, including finishing smooth etc. complete as per direction of Engineer-in-charge.** | | | | | |
| | Details of cost for 10 sqm. | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | METERIAL | | | | | |
| 287 | Brick Aggregate (Single size) : 40 mm nominal size | cum | 1 | 1351.00 | 1351.00 | |
| 2260 | Carriage of Brick aggregate | cum | 1 | 0 | 0.00 | |
| 6501 | Sand zone V (Jamuna) | cum | 0.08 | 117.66 | 9.41 | |
| 2335 | Carriage of Jamuna sand | cum | 0.08 | 0.00 | 0.00 | |
| | Labour for spreading, ramming and consolidation. | | | | 0.00 | |
| 114 | Beldar | day | 0.35 | 254.00 | 88.90 | |
| 115 | Coolie | day | 0.26 | 265.00 | 68.90 | |
| 101 | Bhisti | day | 0.18 | 277.00 | 49.86 | |
| | Total | | | | 1568.07 | |
| | Add 1 % Water charges | | | | 15.68 | |
| | TOTAL | | | | 1583.75 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 222.52 | |
| | Total | | | | 1806.27 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 270.94 | |
| | Cost for 10 sqm. | | | | 2077.21 | |
| | Cost for 1 sqm. | | | | 207.72 | |
| | add 1% labour cess | | | | 2.08 | |
| | Total | | | | 209.80 | |
| | Say | | | | 209.80 | |

**16.65 Providing and fixing post delineators made of ABS round body fitted with 2 nos 100 mm dia high reflective reflectors and mounted on MS pipe of 65 mm dia duly powder coated anti-rust and anti theft steel to be installed as per direction of Engineer-in- charge.**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Details of cost for 1 no. | | | | | |
| | MATERIAL | | | | | |
| 8685 | Delineator | each | 1 | 255.95 | 255.95 | |
| 9999 | Fixing materials. | L.S. | 78 | 1.80 | 140.40 | |
| 9999 | Fixing charges. | L.S. | 39 | 1.80 | 70.20 | |
| | Total | | | | 466.55 | |
| | Add 1 % Water charges | | | | 4.67 | |
| | TOTAL | | | | 471.21 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 66.21 | |
| | Total | | | | 537.42 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 80.61 | |
| | Cost of 1 no. | | | | 618.03 | |
| | add 1% labour cess | | | | 6.18 | |
| | Total | | | | 624.21 | |
| | Say | | | | 624.20 | |

**16.66 Excavating holes upto 0.10 cum, including getting out the excavated soil, then returning the soil as deported in layers not exceeding 20 cm in depth, including consolidating and deposited layer by ramming watering etc., disposing of surplus excavated soil as directed with in a lead of 50 mm and lift upto 1.5 m.**

**16.66.1 All kind of soil**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Details of cost for 30 holes- | | | | | |
| | Earth work 30x0.10 = 3.0 cum. | | | | | |
| | Extra labour for filling and ramming | | | | | |
| 2.8.1 | Rate as per item no. 2.8.1 of SH: Earth work | cum | 3 | 316.47 | 949.41 | (A) |
| 9999 | Sundries | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 973.74 | |
| | Add 1 % Water charges on all except (A) i.e. on | | | | 0.24 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Total | | | | 973.99 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) on all except A | | | | 3.45 | |
| | Total | | | | 977.44 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" all except (A) | | | | 4.20 | |
| | Cost of 30 holes | | | | 981.64 | |
| | Cost of 1 hole | | | | 32.72 | |
| | add 1% labour cess | | | | 0.33 | |
| | Total | | | | 33.05 | |
| | Say | | | | 33.00 | |
| **16.67** | **Providing and fixing at or near ground level factory made RCC pavement slab of M- 30 grade of size 450x450x50 mm, including reinforcement with 6 mm dia M.S. bars 4 nos on each side, including setting in position in footpath to the required level and line over a bed of 20 mm average thick cement mortar 1:5 (1 cement : 5 coarse sand), having joint thickness not more than 5mm except on curve, including filling of joints with same cement mortar and making grooves etc. complete as per direction of Engineer-in-charge.** | | | | | |
| | Details of cost for 10 sqm | | | | | |
| | MATERIAL | | | | | |
| 8694 | Precast pavement slab 450 x 450 x 50 mm (M - 30) | each | 48 | 65.15 | 3127.23 | |
| 9977 | Carriage of slab. | L.S. | 52 | 1.80 | 93.70 | |
| | 20mm (bed and joints) CM. 1:5 (1 cement: 5 coarse sand) | | | | 0.00 | |
| 2114 | Rate as per Item Number 2114 of SH: Mortars | cum | 0.25 | 2151.54 | 537.89 | |
| | LABOUR | | | | 0.00 | |
| 155 | Mason (average) | day | 1.1 | 305.00 | 335.50 | |
| 100 | Bandhani | day | 1.1 | 270.00 | 297.00 | |
| 114 | Beldar | day | 0.55 | 254.00 | 139.70 | |
| 101 | Bhisti | day | 0.27 | 277.00 | 74.79 | |
| 9999 | Sundries | L.S. | 10.79 | 1.80 | 19.42 | |
| | Total | | | | 4625.22 | |
| | Add 1 % Water charges | | | | 46.25 | |
| | TOTAL | | | | 4671.48 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 656.34 | |
| | Total | | | | 5327.82 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 799.17 | |
| | Cost for 10 sqm. | | | | 6126.99 | |
| | Cost for 1 sqm | | | | 612.70 | |
| | add 1% labour cess | | | | 6.13 | |
| | Total | | | | 618.83 | |
| | Say | | | | 618.80 | |
| **16.68** | **Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.** | | | | | |
| | **Details of cost for 10.00 sqm** | | | | | |
| | MATERIAL | | | | | |
| 8689 | Interlocking C.C. paver block ( 60 mm thick, M-30) | **sqm** | 10 | 325.75 | 3257.53 | |
| | Bedding layer - 50mm thick | | | | | |
| 982 | =10x0.050=0.50 cum | **cum** | 0.5 | 160.69 | 80.35 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 2203 | Carriage of Coarse sand | cum | 0.5 | 0.00 | 0.00 | |
| 983 | Fine sand (zone IV) | cum | 0.15 | 117.66 | 17.65 | |
| 2203 | Carriage of Coarse sand | cum | 0.15 | 0.00 | 0.00 | |
| | Laying charges (Bassed on actual observation) | | | | 0.00 | |
| | LABOUR | | | | 0.00 | |
| 123 | Mason (brick layer) | day | 0.5 | 305.00 | 152.50 | |
| 124 | 1st class Mason (brick layer) | day | 0.5 | 305.00 | 152.50 | |
| 114 | 2nd class Beldar | day | 1 | 254.00 | 254.00 | |
| 115 | Coolie | day | 0.5 | 265.00 | 132.50 | |
| | Total | | | | 4047.03 | |
| | Add 1 % Water charges | | | | 40.47 | |
| | TOTAL | | | | 4087.50 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 574.29 | |
| | Total | | | | 4661.79 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 699.27 | |
| | Cost for 10.00 sqm | | | | 5361.06 | |
| | Cost for 1.00 sqm. | | | | 536.11 | |
| | add 1% labour cess | | | | 5.36 | |
| | Total | | | | 541.47 | |
| | Say | | | | 541.50 | |

**16.69 Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).**

Details of cost 100 metre

i.e. 100x0.375x0.20=7.50 cum. 100x0.375x0.20=7.50 cum.
No. of kerb stones = 100/0.405=247 Nos
Precast C.C. Kerb stone M - 25 =
247x0.40x0.375x0.20=7.41 cum

| | | | | | | |
|---|---|---|---|---|---|---|
| | METERIAL | | | | | |
| 8686 | Precast C.C. Kerb stone M - 25 Mortar 1:3 for fixing joints = 246x1x<br>[(0.115+0.20)/2] x 0.375x0.005 = 0.073 cum.<br>Cement mortar 1:3 (1 cement : 3 coarse sand) | cum | 7.41 | 3536.75 | 26207.31 | |
| 2112 | Rate as per Item Number 2112 of SH: Mortars | cum | 0.073 | 3246.34 | 236.98 | |
| | Labour for fixing of kerb stones | | | | 0.00 | |
| 123 | Mason (brick layer) 1st class | day | 2.5 | 305.00 | 762.50 | |
| 124 | Mason (brick layer) 2nd class | day | 2.5 | 305.00 | 762.50 | |
| 114 | Beldar | day | 2.5 | 254.00 | 635.00 | |
| 115 | Coolie | day | 1.65 | 265.00 | 437.25 | |
| | Total | | | | 29041.54 | |
| | Add 1 % Water charges | | | | 290.42 | |
| | TOTAL | | | | 29331.96 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 4121.14 | |
| | Total | | | | 33453.10 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 5017.96 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost of 7.50 cum | | | | 38471.06 |
| | cost for 1 cum. | | | | 5129.48 |
| | add 1% labour cess | | | | 51.29 |
| | Total | | | | 5180.77 |
| | Say | | | | 5180.80 |
| **16.7** | **Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.** | | | | |
| **16.70.1** | **Made of G.I. wire of dia 4 mm** | | | | |
| | Details of cost for 10 sqm.<br>MATERIAL<br>G.I. chain link 50x50 mm mesh = 10.00 sqm. Wastage @ 5% = 0.50 sqm. Total = 10.50 sqm. | | | | |
| 8695 | Chain link fabric fencing mesh of size 50x50 mm made of G.I. wire of dia 4 mm | sqm | 10.5 | 240.13 | 2521.33 |
| 9977 | Carriage. | L.S. | 156 | 1.80 | 281.09 |
| | LABOUR | | | | 0.00 |
| 103 | Blacksmith 2nd class | day | 2.14 | 305.00 | 652.70 |
| 114 | Beldar | day | 1.62 | 254.00 | 411.48 |
| 9999 | Sundries including G.I. wire, nuts and bolts and warshers. | L.S. | 174.75 | 1.80 | 314.55 |
| | Total | | | | 4181.15 |
| | Add 1 % Water charges | | | | 41.81 |
| | TOTAL | | | | 4222.96 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 593.33 |
| | Total | | | | 4816.28 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 722.44 |
| | Cost for 10 sqm. | | | | 5538.73 |
| | Cost for 1 sqm. | | | | 553.87 |
| | add 1% labour cess | | | | 5.54 |
| | Total | | | | 559.41 |
| | Say | | | | 559.40 |
| **16.70.2** | **Made of G.I. wire of dia. 4 mm, PVC coated to achieve outer dia not less than 5 mm in required colour and shade** | | | | |
| | Details of cost for 10 sqm.<br>MATERIAL<br>G.I. chain link 50x50 mm mesh PVC Coated = 10.00 sqm<br>Wastage @ 5% = 0.50 sqm. Total = 10.50 sqm. | | | | |
| 8696 | Chain link fabric fencing mesh of size 50x50 mm made of G.I. wire of dia 4 mm,<br>PVC coated to outer dia 5 mm | sqm | 10.5 | 265.26 | 2785.19 |
| 9977 | Carriage. | L.S. | 156 | 1.80 | 281.09 |
| | LABOUR | | | | |
| 103 | Blacksmith 2nd class | day | 2.14 | 305.00 | 652.70 |
| 114 | Beldar | day | 1.62 | 254.00 | 411.48 |
| 9999 | Sundries including G.I. wire, nuts and bolts and warshers. | L.S. | 174.75 | 1.80 | 314.55 |
| | Total | | | | 4445.01 |
| | Add 1 % Water charges | | | | 44.45 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 4489.46 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 630.77 | |
| | Total | | | | 5120.22 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 768.03 | |
| | Cost for 10 sqm. | | | | 5888.26 | |
| | Cost for 1 sqm. | | | | 588.83 | |
| | add 1% labour cess | | | | 5.89 | |
| | Total | | | | 594.71 | |
| | Say | | | | 594.70 | |
| **16.71** | **Providing and fixing G.I. chain link fabric fencing of required width in mesh size 25x25 mm made of G.I. wire of dia 3 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in- charge.** | | | | | |
| | Details of cost for 10 sqm. | | | | | |
| | MATERIAL | | | | | |
| | G.I. chain link 25x25 mm mesh = 10.00 sqm. Wastage @ 5% = 0.50 sqm. Total = 10.50 sqm. | | | | | |
| 8697 | Chain link fabric fencing mesh of size 25x25 mm made of G.I. wire of dia 3 mm | sqm | 10.5 | 316.45 | 3322.68 | |
| 9977 | Carriage. | L.S. | 156 | 1.80 | 281.09 | |
| | LABOUR | | | | | |
| 103 | Blacksmith 2nd class | day | 2.14 | 305.00 | 652.70 | |
| 114 | Beldar | day | 1.62 | 254.00 | 411.48 | |
| 9999 | Sundries including G.I. wire, nuts and bolts and warshers. | L.S. | 174.75 | 1.80 | 314.55 | |
| | Total | | | | 4982.50 | |
| | Add 1 % Water charges | | | | 49.82 | |
| | TOTAL | | | | 5032.32 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 707.04 | |
| | Total | | | | 5739.37 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 860.90 | |
| | Cost for 10 sqm. | | | | 6600.27 | |
| | Cost for 1 sqm. | | | | 660.03 | |
| | add 1% labour cess | | | | 6.60 | |
| | Total | | | | 666.63 | |
| | Say | | | | 666.60 | |
| **16.72** | **Supplying and stacking of hard stone (for stone pitching) 22.5 cm thick at site** | | | | | |
| | Detail of cost for 2.25 cum | | | | | |
| | MATERIAL | | | | | |
| | 22.5 cm thick stone (Hard) | | | | | |
| 1158 | Stone for pitching 15 cm x 22.5 cm | cum | 2.25 | 591.94 | 1331.87 | |
| | Carriage by mechanical transport i/c loading unloading and stacking | | | | | |
| 2215 | Carriage of Soling stone & masonary stone | cum | 2.25 | 127.15 | 286.09 | |
| | TOTAL | | | | 1617.95 | |
| | Add 1 % Water charges | | | | 16.18 | |
| | TOTAL | | | | 1634.13 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 229.60 | |
| | Total | | | | 1863.73 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 279.56 | |
| | Cost for 2.25 cum | | | | 2143.28 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost for one cum | | | | 952.57 |
| | add 1% labour cess | | | | 9.53 |
| | Total | | | | 962.10 |
| | Say | | | | 962.10 |
| **16.73** | **Dry stone pitching 22.5 cm thick laid in courses and required profile with hammer dressed stones having no side less than 15 cm, with minimum depth of 20 cm including preparing the bedding surface etc. all complete. (Payment for Stone to be made separately).** | | | | |
| | Detail of cost for 10 sqm | | | | |
| | LABOUR | | | | |
| 123 | Mason (brick layer) 1st class | day | 1.08 | 342.00 | 369.36 |
| 124 | Mason (brick layer) 2nd class | day | 1.08 | 305.00 | 329.40 |
| 114 | Beldar | day | 2.15 | 254.00 | 546.10 |
| 115 | Coolie | day | 1.61 | 265.00 | 426.65 |
| 9999 | Sundries | L.S. | 6.76 | 1.80 | 12.17 |
| | TOTAL | | | | 1683.68 |
| | Add 1 % Water charges | | | | 16.84 |
| | TOTAL | | | | 1700.51 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 238.92 |
| | Total | | | | 1939.44 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 290.92 |
| | Cost for 10 sqm | | | | 2230.35 |
| | Cost for one sqm | | | | 223.04 |
| | add 1% labour cess | | | | 2.23 |
| | Total | | | | 225.27 |
| | **Say** | | | | **225.30** |
| **16.74** | **75 mm thick back filling for pitching including supplying of required materials and consolidation etc. complete with :** | | | | |
| **16.74.1** | **Moorum** | | | | |
| | Details of cost for 100 sqm | | | | |
| | MATERIAL | | | | |
| 810 | Moorum | cum | 7.5 | 132.21 | 991.58 |
| | Carriage by mechanical transport i/c loading unloading and stacking | | | | |
| 2265 | Carriage of Moorum | cum | 7.5 | 108.08 | 810.59 |
| | LABOUR | | | | |
| 114 | Beldar | day | 1.64 | 254.00 | 416.56 |
| 101 | Bhisti | day | 0.13 | 277.00 | 36.01 |
| | TOTAL | | | | 2254.74 |
| | Add 1 % Water charges | | | | 22.55 |
| | TOTAL | | | | 2277.28 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 319.96 |
| | Total | | | | 2597.24 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 389.59 |
| | Cost for 100 sqm | | | | 2986.83 |
| | Cost per sqm | | | | 29.87 |
| | add 1% labour cess | | | | 0.30 |
| | Total | | | | 30.17 |
| | Say | | | | 30.20 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **16.74.2** | **Stone aggregate 20 mm nominal size** | | | | |
| | Detail of cost for 100 sqm | | | | |
| | MATERIAL | | | | |
| 295 | Stone Aggregate (Single size) : 20 mm nominal size 100sqm x7.50cm= 7.50 cum | cum | 7.5 | 556.33 | 4172.48 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 7.5 | 0 | 0.00 |
| | LABOUR | | | | 0.00 |
| 114 | Beldar | day | 2.05 | 254.00 | 520.70 |
| 101 | Bhisti | day | 0.13 | 277.00 | 36.01 |
| | TOTAL | | | | 4729.19 |
| | Add 1 % Water charges | | | | 47.29 |
| | TOTAL | | | | 4776.48 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 671.09 |
| | Total | | | | 5447.57 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 817.14 |
| | Cost for 100 sqm | | | | 6264.71 |
| | Cost per sqm | | | | 62.65 |
| | add 1% labour cess | | | | 0.63 |
| | Total | | | | 63.27 |
| | Say | | | | 63.30 |
| **16.74.3** | **Stone aggregate 40 mm nominal size** | | | | |
| | Detail of cost for 100 sqm | | | | |
| | MATERIAL | | | | |
| 293 | Stone Aggregate (Single size) : 40 mm nominal size 100sqm x7.50cm= 7.50 cum | cum | 7.5 | 445.22 | 3339.15 |
| 2206 | Carriage of Stone aggregate 40 mm nominal size and above | cum | 7.5 | 0.00 | 0.00 |
| | LABOUR | | | | 0.00 |
| 114 | Beldar | day | 2.05 | 254.00 | 520.70 |
| 101 | Bhisti | day | 0.13 | 277.00 | 36.01 |
| | TOTAL | | | | 3895.86 |
| | Add 1 % Water charges | | | | 38.96 |
| | TOTAL | | | | 3934.82 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 552.84 |
| | Total | | | | 4487.66 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 673.15 |
| | Cost for 100 sqm | | | | 5160.81 |
| | Cost per sqm | | | | 51.61 |
| | add 1% labour cess | | | | 0.52 |
| | Total | | | | 52.12 |
| | Say | | | | 52.10 |
| **16.75** | **Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. (The panel shuttering work shall be paid for separately). (Note:- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately).** | | | | |
| | Details of cost for 1.00 cum | | | | |
| | MATERIAL | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Ready mix concrete M 25 = 1.00 cum. i/c placing of concrete, vibrating, leveling etc. | | | | |
| 5.37.1 | Rate as per Item No.5.37.1 of SH:RCC | cum | 1 | 5487.17 | 5487.17 (A) |
| 9999 | Operational charges for vacuum dewatering system i/c screed vibration , placing of filter mat , top mat, vacuum process, floating ,troweling, Brooming etc. | L.S. | 57.2 | 1.80 | 102.96 |
| 9999 | T& P charges i/c consumable power charges, loading , unloading and hire charges of equipments | L.S. | 41.6 | 1.80 | 74.88 |
| | Total | | | | 5665.01 |
| | Add 1 % Water charges on all except (A) i.e. on | | | | 1.78 |
| | Total | | | | 5666.79 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) on all except A | | | | 25.24 |
| | Total | | | | 5692.03 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" all except (A) | | | | 30.73 |
| | Cost for 1 cum | | | | 5722.76 |
| | add 1% labour cess | | | | 57.23 |
| | Total | | | | 5779.98 |
| | Say | | | | 5780.00 |
| **16.76** | **Deduct for using of M-20 grade concrete instead of M-25 grade concrete in C.C. pavement.** | | | | |
| | Details of cost for 1 cum. Cement for M-25 mix = 0.410 t Cement for M - 20 mix = 0.383 t Difference = 0.027 t | | | | |
| | METERIAL | | | | |
| 367 | Portland Cement (OPC-43 grade) | tonne | 0.027 | 5474.00 | 147.80 |
| | Carriage of Cement Plasticizer for M- 25 mix = 2.050kg | tonne | 0.027 | 96.07 | |
| 2209 | Plasticizer for M- 20 mix = 1.915 kg Difference = 0.135 kg | | | | 2.59 |
| 7318 | Plasticizer / super plasticizer | kilogram | 0.135 | 35.37 | 4.77 |
| | Total | | | | 155.17 |
| | Add 1 % Water charges | | | | 1.55 |
| | TOTAL | | | | 156.72 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 22.02 |
| | Total | | | | 178.74 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 26.81 |
| | Cost for 1 cum. | | | | 205.55 |
| | add 1% labour cess | | | | 2.06 |
| | Total | | | | 207.60 |
| | Say | | | | 207.60 |
| **16.77** | **Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material within all lifts and lead upto 1km (by mechanical means).** | | | | |
| | Details of cost for 100 sqm | | | | |
| | LABOUR | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 128 | Mate | day | 0.01 | 270.00 | 2.70 |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 |
| | MACHINERY | | | | 0.00 |
| 38 | Tractor with ripper attachment. | day | 0.01 | 1100.00 | 11.00 |
| 14 | Front end loader capacity 1.00 cum | day | 0.025 | 6000.00 | 150.00 |
| 17 | Hire and running charges of tipper | day | 0.02875 | 1800.00 | 51.75 |
| | TOTAL | | | | 278.95 |
| | Add 1 % Water charges | | | | 2.79 |
| | TOTAL | | | | 281.74 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 39.58 |
| | Total | | | | 321.32 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 48.20 |
| | Cost for 100 sqm | | | | 369.52 |
| | Cost for 1 sqm | | | | 3.70 |
| | add 1% labour cess | | | | 0.04 |
| | Total | | | | 3.73 |
| | Say | | | | 3.70 |

**16.78 Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.**

16.78.1 **With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30**

Details of cost for 225 cum (450 tonnes)

MATERIAL

Close graded graunlar sub-base material as per Grading-I of specifications 53mm to 9.5mm @ 50% = 144 cum 9.5 mm to 2.36mm @ 20% = 57 cum 2.36mm below @ 30% = 86.40 cum

| | | | | | |
|---|---|---|---|---|---|
| 292 | Stone Aggregate (Single size) : 50 mm nominal size | cum | 72 | 431.67 | 31080.24 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size nominal size | cum | 72 | 620.42 | 44670.24 |
| 2206 | Carriage of Stone aggregate 40 mm nominal size and above | cum | 72 | 0.00 | 0.00 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 72 | 0.00 | 0.00 |
| 1179 | Crushed stone 2.36 mm to 12.5 mm size nominal size | cum | 57 | 837.65 | 47746.11 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 57 | 0.00 | 0.00 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size | cum | 43.2 | 190.08 | 8211.46 |
| 2904 | Stone chippings/ screenings 150 micron nominal size | cum | 43.2 | 190.08 | 8211.46 |
| 2203 | Carriage of Coarse sand | cum | 86.4 | 0.00 | 0.00 |
| | Machinery/ Hire charges: | | | | |
| 59 | Wet Mix Plant 60 TPH @75 tonne capacity | hour | 6 | 750.00 | 4500.00 |
| 70 | Generator 100 KVA/125 KVA | hour | 6 | 300.00 | 1800.00 |
| 57 | Water Tanker 5 to 6 KL capacity 5 km lead with one trip per hour | hour | 4.5 | 200.00 | 900.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6 | 800.00 | 4800.00 |
| | Tipper 10 tonne capacity( taking lead= 10 Km) =450x10 =4500 t.Km | | | | |
| 53 | Tipper -5 Cum | tonne km | 4500 | 3.00 | 13500.00 |
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading | | | | 1350.00 |
| 50 | Motor Grader 3.35 metre blade | hour | 6 | 2100.00 | 12600.00 |
| 54 | Vibratory roller 8 to 10 tonne | hour | 6 | 650.00 | 3900.00 |
| | LABOUR | | | | |
| 128 | Mate | day | 0.4 | 270.00 | 108.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 2 | 305.00 | 610.00 |
| 114 | Beldar | day | 8 | 254.00 | 2032.00 |
| | Total | | | | 186019.50 |
| | Add 1 % Water charges | | | | 1860.20 |
| | TOTAL | | | | 187879.70 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 26397.10 |
| | Total | | | | 214276.80 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 32141.52 |
| | Cost for 225 cum(450 Tonne) | | | | 246418.31 |
| | Cost per cum. | | | | 1095.19 |
| | add 1% labour cess | | | | 10.95 |
| | Total | | | | 1106.14 |
| | Say | | | | 1106.10 |
| **16.78.2** | **With material conforming to Grade-II (size range 53 mm to 0.075 mm ) having CBR Value-25** | | | | |
| | Details of cost for 225 cum (450 tonnes) | | | | |
| | MATERIAL | | | | |
| | Close graded graunlar sub-base material as per Grading-I of specifications | | | | |
| | 26.5mm to 9.5mm @ 35% = 100.80 cum | | | | |
| | 9.5 mm to 2.36mm @ 25% = 72 cum | | | | |
| | 2.36mm below @ 40% = 115.20 cum | | | | |
| 294 | Stone Aggregate (Single size) : 25 mm nominal size | cum | 50.4 | 530.48 | 26736.19 |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size | cum | 50.4 | 620.42 | 31269.17 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 100.8 | 0 | 0.00 |
| 1179 | Crushed stone 2.36 mm to 12.5 mm size nominal size | cum | 72 | 837.65 | 60310.88 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 72 | 0.00 | 0.00 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size | cum | 57.6 | 190.08 | 10948.61 |
| 2904 | Stone chippings/ screenings 150 micron nominal size | cum | 57.6 | 190.08 | 10948.61 |
| 2203 | Carriage of Coarse sand | cum | 115.2 | 0.00 | 0.00 |
| | Machinery/ Hire charges: | | | | |
| 59 | Wet Mix Plant 60 TPH @75 tonne capacity | hour | 6 | 750.00 | 4500.00 |
| 70 | Generator 100 KVA/125 KVA | hour | 6 | 300.00 | 1800.00 |
| 57 | Water Tanker 5 to 6 KL capacity 5 km lead with one trip per hour | hour | 4.5 | 200.00 | 900.00 |
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6 | 800.00 | 4800.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Tipper 10 tonne capacity( taking lead= 10 Km) =450x10 =4500 t.Km | | | | |
| 53 | Tipper -5 Cum | tonne km | 4500 | 3.00 | 13500.00 |
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading | | | | 1350.00 |
| 50 | Motor Grader 3.35 metre blade | hour | 6 | 2100.00 | 12600.00 |
| 54 | Vibratory roller 8 to 10 tonne | hour | 6 | 650.00 | 3900.00 |
| | LABOUR | | | | |
| 128 | Mate | day | 0.4 | 270.00 | 108.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 2 | 305.00 | 610.00 |
| 114 | Beldar | day | 8 | 254.00 | 2032.00 |
| | Total | | | | 186313.45 |
| | Add 1 % Water charges | | | | 1863.13 |
| | TOTAL | | | | 188176.59 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 26438.81 |
| | Total | | | | 214615.40 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 32192.31 |
| | Cost for 225 cum(450 Tonne) | | | | 246807.71 |
| | Cost per cum. | | | | 1096.92 |
| | add 1% labour cess | | | | 10.97 |
| | Total | | | | 1107.89 |
| | Say | | | | 1107.90 |
| **16.78.3** | **With material conforming to Grade-III (size range 26.5 mm to 0.075 mm ) having CBR Value-20** | | | | |
| | Details of cost for 225 cum (450 tonnes) | | | | |
| | MATERIAL | | | | |
| | Close graded graunlar sub-base material as per Grading-III of specifications | | | | |
| | 9.5mm to 4.75mm @ 35% = 100.80 cum | | | | |
| | 4.75 mm to 2.36mm @ 12.5% = 36.00 cum | | | | |
| | 2.36mm below @ 52.5% = 151.20 cum | | | | |
| 1179 | Crushed stone 2.36 mm to 12.5 mm size | cum | 100.8 | 837.65 | 84435.23 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 100.8 | 0.00 | 0.00 |
| 1179 | Crushed stone 2.36 mm to 12.5 mm size | cum | 36 | 837.65 | 30155.44 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 36 | 0.00 | 0.00 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size | cum | 75.6 | 190.08 | 14370.05 |
| 2904 | Stone chippings/ screenings 150 micron nominal size | cum | 75.6 | 190.08 | 14370.05 |
| 2203 | Carriage of Coarse sand | cum | 151.2 | 0.00 | 0.00 |
| | Machinery/ Hire charges: | | | | |
| 59 | Wet Mix Plant 60 TPH @75 tonne capacity | hour | 6 | 750.00 | 4500.00 |
| 70 | Generator 100 KVA/125 KVA | hour | 6 | 300.00 | 1800.00 |
| 57 | Water Tanker 5 to 6 KL capacity5 km lead with one trip per hour | hour | 4.5 | 200.00 | 900.00 |
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6 | 800.00 | 4800.00 |
| | Tipper 10 tonne capacity( taking lead= 10 Km) =450x10 =4500 t.Km | | | | |
| 53 | Tipper -5 Cum | tonne km | 4500 | 3.00 | 13500.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading | | | | 1350.00 |
| 50 | Motor Grader 3.35 metre blade | hour | 6 | 2100.00 | 12600.00 |
| 54 | Vibratory roller 8 to 10 tonne | hour | 6 | 650.00 | 3900.00 |
| | LABOUR | | | | |
| 128 | Mate | day | 0.4 | 270.00 | 108.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 2 | 305.00 | 610.00 |
| 114 | Beldar | day | 8 | 254.00 | 2032.00 |
| | Total | | | | 189430.76 |
| | Add 1 % Water charges | | | | 1894.31 |
| | TOTAL | | | | 191325.07 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 26881.17 |
| | Total | | | | 218206.24 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 32730.94 |
| | Cost for 225 cum(450 Tonne) | | | | 250937.18 |
| | Cost per cum. | | | | 1115.28 |
| | add 1% labour cess | | | | 11.15 |
| | Total | | | | 1126.43 |
| | Say | | | | 1126.40 |

**16.79** **Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paver finisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.**

Details of cost for 225 cum (495 tonne)
MATERIAL
Conforming to table TT
45mm to22.4mm @ 30% = 89.10 cum
Qty for 0292,0293,0294,0295 codes =
89.10 / 4 = 22.275 cum
Qty for 2206, 2202 codes = 89.10 /2 = 4
4.55 cum
22.4 mm to 2.36mm @ 40% = 118.80 cum
Qty for 0294,0295 codes = 118.80 /4
= 29.70 cum
Qty for 1179 code = 118.80 /2 = 59.40 cum
2.36 mm to 75 microon @ 30% = 89.10 cum
Qty for 2903, 2904 codes = 89.10 / 2
= 44.55 cum

| | | | | | |
|---|---|---|---|---|---|
| 292 | Stone Aggregate (Single size) : 50 mm nominal size | cum | 22.275 | 431.67 | 9615.45 |
| 293 | Stone Aggregate (Single size) : 40 mm nominal size | cum | 22.275 | 445.22 | 9917.28 |
| 294 | Stone Aggregate (Single size) : 25 mm nominal size | cum | 22.275 | 530.48 | 11816.44 |
| 295 | Stone Aggregate (Single size) : 20 mm nominal size | cum | 22.275 | 556.33 | 12392.25 |
| 2206 | Carriage of Stone aggregate 40 mm nominal size and above | cum | 44.55 | 0.00 | 0.00 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 44.55 | 0.00 | 0.00 |
| 294 | Stone Aggregate (Single size) : 25 mm nominal size | cum | 29.7 | 530.48 | 15755.26 |
| 295 | Stone Aggregate (Single size) : 20 mm nominal size | cum | 29.7 | 556.33 | 16523.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 1179 | Crushed stone 2.36 mm to 12.5 mm size | cum | 59.4 | 837.65 | 49756.47 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size<br><br>nominal size | cum | 118.8 | 0.00 | 0.00 |
| 2903 | Stone chippings/ screenings 4.75 mm nominal size | cum | 44.55 | 190.08 | 8468.06 |
| 2904 | Stone chippings/ screenings 150 micron nominal size | cum | 44.55 | 190.08 | 8468.06 |
| 2203 | Carriage of Coarse sand | cum | 89.1 | 0.00 | 0.00 |
| | Machinery/ Hire charges: | | | | |
| 59 | Wet Mix Plant 60 TPH @75 tonne capacity | hour | 6.6 | 750.00 | 4950.00 |
| 70 | Generator 100 KVA/125 KVA | hour | 6 | 300.00 | 1800.00 |
| 57 | Water Tanker 5 to 6 KL capacity 5 km lead with one trip per hour | hour | 3 | 200.00 | 600.00 |
| 52 | Front end loader 1 cum bucket capacity (incl POL) | hour | 6 | 800.00 | 4800.00 |
| | Tipper 10 tonne capacity( taking lead= 10 Km) =450x10 =4500 t.Km | | | | |
| 53 | Tipper -5 Cum | tonne km | 4950 | 3.00 | 14850.00 |
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading | | | | 1485.00 |
| 65 | Paver finisher Mechanical 100 TPH | hour | 6 | 700.00 | 4200.00 |
| 54 | Vibratory roller 8 to 10 tonne | hour | 3.9 | 650.00 | 2535.00 |
| | LABOUR | | | | |
| 128 | Mate | day | 0.48 | 270.00 | 129.60 |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 2 | 305.00 | 610.00 |
| 114 | Beldar | day | 10 | 254.00 | 2540.00 |
| | Total | | | | 181211.88 |
| | Add 1 % Water charges | | | | 1812.12 |
| | TOTAL | | | | 183023.99 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 25714.87 |
| | Total | | | | 208738.87 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 31310.83 |
| | Cost for 225 cum(450 Tonne) | | | | 240049.70 |
| | Cost per cum. | | | | 1066.89 |
| | add 1% labour cess | | | | 10.67 |
| | Total | | | | 1077.56 |
| | Say | | | | 1077.60 |

**16.80** **Construction of dry lean cement concrete sub base over a prepared sub-grade with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per specifications, cement content not to be less than 150 Kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, for all leads & lifts, laid with a mechanical paver, compacting with 8-10 tonne vibratory roller, finishing and curing etc. complete as per direction of Engineer-in- charge.**

Details of cost for 450 cum (990 tonne)
MATERIAL

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Crushed stone coarse aggregate of 25mm & 12.5 mm nominal sizes graded as per specifications @ 0.90 cum/cum of concrete conforming to specification. = 405 cum<br>Coarse Sand @0.45 m3 per cum of concrete = 203 cum<br>Cement @150 Kg. per cum of concrete = 67.50 cum<br>Qty for 0294,0296 codes = 405 / 2 = 202.50 cum | | | | |
| 294 | Stone Aggregate (Single size) : 25 mm nominal size | cum | 202.5 | 431.67 | 87413.18 |
| 296 | Stone Aggregate (Single size) : 12.5 mm nominal size | cum | 202.5 | 649.26 | 131475.15 |
| 982 | Coarse sand (zone III) | cum | 203 | 160.69 | 32620.07 |
| 367 | Portland Cement (OPC-43 grade) | tonne | 67.5 | 4882.00 | 329535.00 |
| 2202 | Carriage of Stone aggregate below 40 mm nominal size | cum | 405 | 0 | 0.00 |
| 2203 | Carriage of Coarse sand | cum | 203 | 0 | 0.00 |
| 2209 | Carriage of Cement | tonne | 67.5 | 96.07 | 6484.74 |
| | Machinery/ Hire charges: | | | | |
| 52 | Front end loader 1 cum bucket capacity (incl POL) @75 tonne capacity | hour | 6 | 800.00 | 4800.00 |
| 66 | Batching and Mixing Plant @ 75 cum per hour | hour | 6 | 2500.00 | 15000.00 |
| 69 | Generator 250 KVA 5 km lead with one trip per hour | hour | 6 | 400.00 | 2400.00 |
| 65 | Paver finisher Mechanical 100 TPH | hour | 6 | 700.00 | 4200.00 |
| 54 | Vibratory roller 8 to 10 tonne | hour | 8 | 650.00 | 5200.00 |
| 57 | Water Tanker 5 to 6 KL capacity | hour | 8 | 200.00 | 1600.00 |
| 53 | Tipper -5 Cum | tonne km | 9900 | 3.00 | 29700.00 |
| | Add 10 per cent of cost of carriage to cover cost of loading and unloading | | | | 2970.00 |
| | LABOUR | | | | |
| 128 | Mate | day | 1.12 | 270.00 | 302.40 |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 6 | 305.00 | 1830.00 |
| 114 | Beldar | day | 22 | 254.00 | 5588.00 |
| | Total | | | | 661118.53 |
| | Add 1 % Water charges | | | | 6611.19 |
| | TOTAL | | | | 667729.72 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 93816.03 |
| | Total | | | | 761545.74 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 114231.86 |
| | Cost for 450 cum(990 Tonne) | | | | 875777.60 |
| | Cost per cum. | | | | 1946.17 |
| | add 1% labour cess | | | | 19.46 |
| | Total | | | | 1965.63 |
| | Say | | | | 1965.60 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **16.81** | **Providing and erecting 2.00 metre high temporary barricading at site as per drawing/ direction of Engineer-in-Charge which includes writing and painting, arrangement for traffic diversion such as traffic signals during construction at site for day and night, glow lamps, reflective signs, marking, flags, caution tape as directed by the Engineer-in-Charge. The barricading provided shall be retained in position at site continuously i/c shifting of barricading from one location to another location as many times as required during the execution of the entire work till its completion. Rate include its maintenance for damages, painting, all incidentals, labour materials, equipments and works required to execute the job. The barricading shall not be removed without prior approval of Engineer-in-Charge. "(Note: - One time payment shall be made for providing barricading from start of work till completion of work i/c shifting. The barricading provided shall remain to be the property of the contractor on completion of the work).** | | | | | |
| | Details of cost for 2.5 metre | | | | | |
| | MATERIAL | | | | | |
| 16.81X | Rate as per Sub Analysis No.16.81X | metre | 2.5 | 32.66 | 81.64 | |
| 16.81Y | Rate as per Sub Analysis No.16.81Y | metre | 2.5 | 571.63 | 1429.08 | |
| 13.81.1 | Rate as per Item No.13.81.1 of SH: FINISHING | sqm | 11 | 31.92 | 351.13 | A) |
| 13.94.1.1 | Rate as per Item No.13.94.1 of SH: FINISHING | sqm | 11 | 95.14 | 1046.58 | A) |
| | TOTAL | | | | 2908.43 | |
| | Add 1 % Water charges on all except (A) | | | | 15.11 | |
| | TOTAL | | | | 2923.53 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) on all except (A) | | | | 214.38 | |
| | Total | | | | 3137.91 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" on all except (A) | | | | 261.03 | |
| | Cost of 2.5 metre | | | | 3398.94 | |
| | Cost of 1 metre | | | | 1359.58 | |
| | add 1% labour cess | | | | 13.60 | |
| | Total | | | | 1373.17 | |
| | Say | | | | 1373.20 | |
| **16.81X** | **Sub analysis item for material component of Item No. 16.81** | | | | | |
| | Sub analysis item no.16.81X to be used in Item No. 16.81 | | | | | |
| | Details of cost for 2.5 meter | | | | | |
| | MATERIAL | | | | | |
| | M.S. Sheet 1.63mm thick = 1x2.50x2.00 = 5.00 sqm @ 12.80 kg/sqm = 64.00 kg wastage @ 5%= 3.20 kg Total = 67.20 kg | | | | | |
| 1013 | MS Angle - 40 x 40 x 6 mm Outframe=2x(2.50+2.00)=9.00 m Vertical extra = 2x0.300 = 0.60 m Horizontal = 1x2.50 =2.50 m Bracing = 1x3.20 = 3.20 m Bracing at bottom = 2x0.50 = 1.00 m Total = 16.30 m @ 3.50 kg/m = 57.05 kg + wastage @ 5% = 2.85 kg Total = 59.90 kg | quintal | 0.672 | 3513.48 | 2361.06 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 1007 | Structurals such as tees,angles channels and R.S. joists<br>M.S. Channel = 2x0.50 =1.00 m @<br>5.70 kg/m = 5.70 kg+<br>wastage @ 5% = 0.29 kg<br>Total = 5.99 kg | quintal | 0.599 | 3903.24 | 2338.04 |
| 1007 | Structurals such as tees, angles channels and R.S. joists<br>M.S. Flat 30x5 mm<br>Horizontal = 3x2.50 = 7.50 m<br>Vertical = 2x2.00 = 4.00 m<br>Total = 11.50 m @ 1.20 kg/m = 13.80 kg +<br>wastage @ 5% = 0.69 kg<br>Total = 14.49 kg | quintal | 0.0599 | 3903.24 | 233.80 |
| 1008 | Flats upto 10 mm in thickness | quintal | 0.1449 | 3420.41 | 495.62 |
| 2205 | Carriage of Steel | tonne | 0.148 | 96.07 | 14.22 |
| | TOTAL | | | | 5442.74 |
| | Add for maintenance @ 10% on | | | | 544.27 |
| | Less for salvage value of material @ 50% on | | | | -2721.37 |
| | TOTAL | | | | 3265.64 (S) |
| | Assuming that material will become unserviceable after using 40 times, cost of 2.5 metre using once = S/40 | | | | 81.64 |
| | Cost of 2.5 meter | | | | 81.64 |
| | Cost of 1 meter | | | | 32.66 |
| | add 1% labour cess | | | | 0.33 |
| | Total | | | | 32.98 |
| | Say | | | | 33.00 |
| **16.81Y** | **Sub analysis item for fabrication charges of Item No. 16.81**<br>Sub analysis item no.16.81Y to be used in Item No. 16.81 | | | | |
| | Details of cost for 2.5 metre | | | | |
| | MATERIAL | | | | |
| 1215 | Welding by electric plant Cutting, assembling and erection charges | cm | 165 | 1.86 | 307.14 |
| | LABOUR | | | | |
| 102 | Blacksmith 1st class | day | 0.115 | 342.00 | 39.33 |
| 103 | Blacksmith 2nd class | day | 0.115 | 305.00 | 35.08 |
| 100 | Bandhani | day | 0.11 | 270.00 | 29.70 |
| 114 | Beldar | day | 0.83 | 254.00 | 210.82 |
| 9999 | Sundries | L.S. | 12.1 | 1.80 | 21.78 |
| | Labour for riveting / bolting / cutting etc. | | | | 0.00 |
| 116 | Fitter (grade 1) | day | 0.41 | 348.00 | 142.68 |
| 103 | Blacksmith 2nd class | day | 0.54 | 305.00 | 164.70 |
| 100 | Bandhani | day | 0.7 | 270.00 | 189.00 |
| 114 | Beldar | day | 0.54 | 254.00 | 137.16 |
| | Sundries | L.S. | 12.1 | 1.80 | 21.78 |
| | TOTAL | | | | 1299.16 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Shifting including transportation, re-erection etc. @ 10% | | | | 129.92 |
| | TOTAL | | | | 1429.08 |
| | Cost of 2.5 meter | | | | 1429.08 |
| | Cost of 1 meter | | | | 571.63 |
| | add 1% labour cess | | | | 5.72 |
| | Total | | | | 577.35 |
| | Say | | | | 577.30 |

**16.82 Taking out existing kerb stones of all types from footpath/ central verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Details of cost for 100 meter | | | | | |
| | LABOUR | | | | | |
| 114 | Beldar | day | 0.75 | 254.00 | 190.50 | |
| 115 | Coolie | day | 3 | 265.00 | 795.00 | |
| 9999 | Sundries | L.S. | 2 | 1.80 | 3.60 | |
| | TOTAL | | | | 989.10 | |
| | Add 1 % Water charges | | | | 9.89 | |
| | TOTAL | | | | 998.99 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 140.36 | |
| | Total | | | | 1139.35 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 170.90 | |
| | Cost of 100 meter | | | | 1310.25 | |
| | Cost of 1 meter | | | | 13.10 | |
| | add 1% labour cess | | | | 0.13 | |
| | Total | | | | 13.23 | |
| | Say | | | | 13.20 | |

**16.82 Taking out existing kerb stones of all types from footpath/ central verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Details of cost for 100 meter | | | | | |
| | LABOUR | | | | | |
| 114 | Beldar | day | 0.75 | 254.00 | 190.50 | |
| 115 | Coolie | day | 3 | 265.00 | 795.00 | |
| 9999 | Sundries | L.S. | 2 | 1.80 | 3.60 | |
| | TOTAL | | | | 989.10 | |
| | Add 1 % Water charges | | | | 9.89 | |
| | TOTAL | | | | 998.99 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 140.36 | |
| | Total | | | | 1139.35 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 170.90 | |
| | Cost of 100 meter | | | | 1310.25 | |
| | Cost of 1 meter | | | | 13.10 | |
| | add 1% labour cess | | | | 0.13 | |
| | Total | | | | 13.23 | |
| | Say | | | | 13.20 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **16.83** | **Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.** | | | | |
| | Details of cost for 10 sqm. | | | | |
| | LABOUR | | | | |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 |
| 115 | Coolie | day | 1 | 265.00 | 265.00 |
| 9999 | Sundries | L.S. | 2.7 | 1.80 | 4.86 |
| | TOTAL | | | | 333.36 |
| | Add 1 % Water charges | | | | 50.00 |
| | TOTAL | | | | 383.36 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 53.86 |
| | Total | | | | 437.23 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 65.58 |
| | Cost of 10 sqm. | | | | 502.81 |
| | Cost of 1 sqm | | | | 50.28 |
| | add 1% labour cess | | | | 0.50 |
| | Total | | | | 50.78 |
| | Say | | | | 50.80 |
| **16.84** | **Laying old cement cocrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge. (Old CC paver blocks shall be supplied by the department free of cost).** | | | | |
| | Details of cost for 10 sqm. | | | | |
| | MATERIAL | | | | |
| | Bedding layer 50mm thick | | | | |
| 982 | Coarse sand (zone III) Qty = 10 x 0.05 = 0.50 cum | cum | 0.5 | 160.69 | 80.35 |
| 2203 | Carriage of Coarse sand | cum | 0.5 | 0 | 0.00 |
| 983 | Fine sand (zone IV) | cum | 0.15 | 117.66 | 17.65 |
| 2261 | Carriage of Fine sand (1 part badarpur | | | | 0.00 |
| | sand : 2 parts jamuna sand) | cum | 0.15 | 0.00 | 0.00 |
| | LABOUR | | | | 0.00 |
| 123 | Mason (brick layer) 1st class | day | 0.5 | 342.00 | 171.00 |
| 124 | Mason (brick layer) 2nd class | day | 0.5 | 305.00 | 152.50 |
| 114 | Beldar | day | 1 | 254.00 | 254.00 |
| 115 | Coolie | day | 0.5 | 265.00 | 132.50 |
| | TOTAL | | | | 386.50 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 54.30 |
| | Total | | | | 440.80 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 66.12 |
| | TOTAL | | | | 506.92 |
| | Add 15 % Contractor's profit and overheads | | | | 76.04 |
| | Cost of 10 sqm. | | | | 582.96 |
| | Cost of 1 sqm | | | | 58.30 |
| | add 1% labour cess | | | | 0.58 |
| | Total | | | | 58.88 |
| | Say | | | | 58.90 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|

**16.85 Laying at or near ground level old kerb stones of all types in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement : 3 coarse sand), including making joints with or without grooves (thickness of joints, except at sharp curve, shall not be more than 5 mm), including making drainage opening wherever required etc. complete as per direction of Engineer-in-charge. (Length of finished kerb edging shall be measured for payment). (Old kerb stones shall be supplied by the department free of cost)**

Details of cost for 100 meter.
MATERIAL
Number of kerb stones = 100 / 0.405 = 247 Nos.
Qty. = 247 x 0.40 x 0.375 x 0.20 = 7.41cum
No. of joints = 247 - 1 = 246 Nos.
Cement Mortar 1:3 for fixing joints = 246 x
[(0.115 + 0.20)/2 x 0.375 x 0.005]
= 0.073 cum

| | | | | | | |
|---|---|---|---|---|---|---|
| 2113 | Rate as per Item No2113 of SH:MORTARS | cum | 0.073 | 2534.7 2 | 185.03 | |
| | LABOUR | | | | 0.00 | |
| 123 | Mason (brick layer) 1st class | day | 2.5 | 342.00 | 855.00 | |
| 124 | Mason (brick layer) 2nd class | day | 2.5 | 305.00 | 762.50 | |
| 114 | Beldar | day | 2.5 | 254.00 | 635.00 | |
| 115 | Coolie | day | 1.65 | 265.00 | 437.25 | |
| | TOTAL | | | | 2874.78 | |
| | Add 1 % Water charges | | | | 28.75 | |
| | TOTAL | | | | 2903.53 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 407.95 | |
| | Total | | | | 3311.48 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 496.72 | |
| | Cost of 100 meter. | | | | 3808.20 | |
| | Cost of 1 meter. | | | | 38.08 | |
| | add 1% labour cess | | | | 0.38 | |
| | Total | | | | 38.46 | |
| | Say | | | | 38.50 | |

**16.86 Providing and laying gang saw cut 18 mm thick, mirror polished pre moulded and pre polished machine cut granite stone of required size and shape of approved shade, colour and texture in footpath, flooring cut granite stone of required size and shape of approved shade, colour and texture in footpath, flooring in road side plazas and similar locations, laid over 20mm thick base of cement mortar 1:4 (1cement : 4 coarse sand) including grouting the joints with white cement mixed with matching pigment, epoxy touch ups etc. complete as per direction of Engineer-in-Charge.**

16.86.1 With granite stone of area less than 0.50 sqm.

Detail of cost for 0.5sqm. Mirror polished granite 0.5 sqm.
Waste @5% = 0.025 +0.5 = 0.525 sqm.

| | | | | | |
|---|---|---|---|---|---|
| 7295 | Granite of any colour, 18 mm thick (slab area upto 0.50 sqm) | sqm | 0.525 | 1628.77 | 855.10 |
| | | | | | 0.00 |
| 2113 | Rate as per Item No.2113 of SH: MORTARS | cum | 0.012 | 2534 .72 | 30.42 |
| | LABOUR : | | | | 0.00 |
| 123 | Mason (brick layer) 1st class | day | 0.56 | 342.00 | 191.52 |
| 114 | Beldar | day | 0.05 | 254.00 | 12.70 |
| 115 | Coolie | day | 0.05 | 265.00 | 13.25 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Sundries | L.S. | 17.6 | 1.80 | 31.68 | |
| | TOTAL | | | | 1134.67 | |
| | Add 1 % Water charges | | | | 11.35 | |
| | TOTAL | | | | 1146.02 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 161.02 | |
| | Total | | | | 1307.03 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 196.05 | |
| | Rate for 0.5 sqm. | | | | 1503.09 | |
| | Rate per sqm. | | | | 3006.17 | |
| | add 1% labour cess | | | | 30.06 | |
| | Total | | | | 3036.23 | |
| | Say | | | | 3036.20 | |

**16.87** **Providing and laying gang saw cut 30 mm thick, mirror polished pre moulded and pre polished machine cut granite stone of required size and shape of approved shade, colour and texture in footpath, flooring in road side plazas and similar locations, laid over 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement mixed with matching pigment, epoxy touch ups etc. complete as per direction of Engineer-in-Charge.**

| | | | | | | |
|---|---|---|---|---|---|---|
| 16.87.1 | With granite stone of area less than 0.50 sqm. | | | | | |
| | Detail of cost for 0.50 sqm. | | | | | |
| | MATERIAL | | | | | |
| | Mirror polished granite 0.50 sqm. Waste @5% total = 0.025 +0.50 = 0.525 sqm. | | | | | |
| 7296 | Granite stone slab 30mm thick | sqm | 0.525 | 1861.45 | 977.26 | |
| 2113 | Rate as per Item No.2113 of SH: MORTARS | cum | 0.012 | 2534 .72 | 30.42 | |
| | LABOUR : | | | | | |
| 123 | Mason (brick layer) 1st class | day | 0.56 | 342.00 | 191.52 | |
| 114 | Beldar | day | 0.05 | 254.00 | 12.70 | |
| 115 | Coolie | day | 0.05 | 265.00 | 13.25 | |
| 9999 | Sundries | L.S. | 17.6 | 1.80 | 31.68 | |
| | TOTAL | | | | 1256.83 | |
| | Add 1 % Water charges | | | | 12.57 | |
| | TOTAL | | | | 1269.39 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 178.35 | |
| | Total | | | | 1447.74 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 217.16 | |
| | Rate for 0.5 sqm. | | | | 1664.91 | |
| | Rate per sqm | | | | 3329.81 | |
| | add 1% labour cess | | | | 33.30 | |
| | Total | | | | 3363.11 | |
| | Say | | | | 3363.10 | |

**16.88** **Providing and laying matt finished vitrified tile of size 100x100x16mm having water absorption less than 0.5% and conforming to IS: 15622 of approved make in all colours and shades in out door floors such as footpath, court yard multi models etc., laid on 20mm thick base of cement mortar 1:4 (1cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as direction of Engineer-in-Charge.**

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Detail of cost for 1 sqm. MATERIAL<br>Matt finished vitrified tile 100x100 x16mm =10sqm. | | | | |
| 7895 | Matt finished vitrified tile 100x100 x16mm | sqm | 1 | 350.88 | 350.88 |
| 9977 | Sundries | L.S. | 6.24 | 1.80 | 11.24 |
| 2113 | Rate as per Item No.2113 of SH: MORTARS | cum | 0.024 | 2534 .72 | 60.83 |
| 9999 | Sundries | L.S. | 3.64 | 1.80 | 6.55 |
| 367 | Portland Cement (OPC-43 grade) | tonne | 0.0033 | 5474.00 | 18.06 |
| | LABOUR : | | | | |
| 123 | Mason (brick layer) 1st class | day | 0.2 | 342.00 | 68.40 |
| 115 | Coolie | day | 0.2 | 265.00 | 53.00 |
| 9999 | Sundries | L.S. | 26.91 | 1.80 | 48.44 |
| | TOTAL | | | | 617.41 |
| | Add 1 % Water charges | | | | 6.17 |
| | TOTAL | | | | 623.59 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 87.61 |
| | Total | | | | 711.20 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 106.68 |
| | Cost per sqm. | | | | 817.88 |
| | add 1% labour cess | | | | 8.18 |
| | Total | | | | 826.06 |
| | Say | | | | 826.10 |
| 16.89 | **Providing and laying matt finished vitrified tile of size 300x300x9.8mm having with water absorption less than 0.5% and conforming to IS: 15622 of approved make in all colours and shades in for outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.** | | | | |
| | Detail of cost for 1 sqm.<br>MATERIAL<br>Tile 300x300 x9.8mm = 1.00 sqm. | | | | |
| 7896 | Vitrified tile | sqm | 1 | 287.59 | 287.59 |
| 9977 | Sundries | L.S. | 6.24 | 1.80 | 11.24 |
| 2113 | Rate as per Item No.2113 of SH: MORTARS | cum | 0.024 | 2534.72 | 60.83 |
| 9999 | Sundries | L.S. | 3.64 | 1.80 | 6.55 |
| 367 | Portland Cement (OPC-43 grade) | tonne | 0.0033 | 5474.00 | 18.06 |
| | LABOUR : | | | | |
| 123 | Mason (brick layer) 1st class | day | 0.2 | 342.00 | 68.40 |
| 115 | Coolie | day | 0.2 | 265.00 | 53.00 |
| 9999 | Sundries | L.S. | 26.91 | 1.80 | 48.44 |
| | TOTAL | | | | 554.12 |
| | Add 1 % Water charges | | | | 5.54 |
| | TOTAL | | | | 559.67 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 78.63 |
| | Total | | | | 638.30 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 95.74 |
| | Rate per sqm. | | | | 734.04 |
| | add 1% labour cess | | | | 7.34 |
| | Total | | | | 741.38 |
| | Say | | | | 741.40 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|

16.90 **Providing and laying tactile tile (for vision impaired persons as per standards) of size 300x300x9.8mm having with water absorption less than 0.5% and conforming to IS: 15622 of approved make in all colours and shades in for outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge**

Detail of cost for 1 sqm.
MATERIAL:
Tile 300x300 x9.8mm = 1.00 sqm.

| | | | | | |
|---|---|---|---|---|---|
| 7893 | Tactile tile | sqm | 1 | 837.65 | 837.65 |
| 9977 | Carriage | L.S. | 6.24 | 1.80 | 11.24 |
| 2113 | Rate as per Item No.2113 of SH: MORTARS | cum | 0.024 | 2534 .72 | 60.83 |
| 9999 | Sundries | L.S. | 3.64 | 1.80 | 6.55 |
| 367 | Portland Cement (OPC-43 grade) | tonne | 0.0033 | 5474.00 | 18.06 |
| | LABOUR : | | | | |
| 123 | Mason (brick layer) 1st class | day | 0.2 | 342.00 | 68.40 |
| 115 | Coolie | day | 0.2 | 265.00 | 53.00 |
| 9999 | Sundries | L.S. | 26.91 | 1.80 | 48.44 |
| | TOTAL | | | | 1104.18 |
| | Add 1 % Water charges | | | | 11.04 |
| | TOTAL | | | | 1115.22 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 156.69 |
| | Total | | | | 1271.91 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 190.79 |
| | Cosr per sqm | | | | 1462.70 |
| | add 1% labour cess | | | | 14.63 |
| | Total | | | | 1477.33 |
| | Say | | | | 1477.30 |

**16.91 Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge.**

**16.91.1 60mm thick cement concrete paver block of M-35 grade with approved colour, design & pattern.**

Details of cost for 10 sqm.
MATERIAL :

| | | | | | |
|---|---|---|---|---|---|
| 7773 | Coloured inter locking C.C. paver Block | sqm | 10 | 465.36 | 4653.62 |
| 983 | Fine sand (zone IV) | cum | 0.5 | 117.66 | 58.83 |
| 2261 | Carriage of Fine sand (1 part badarpur sand : 2 parts jamuna sand) | cum | 0.65 | 0 | 0.00 |
| | LABOUR | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 123 | Mason (brick layer) 1st class | day | 0.5 | 342.00 | 171.00 | |
| 124 | Mason (brick layer) 2nd class | day | 0.5 | 305.00 | 152.50 | |
| 114 | Beldar | day | 1 | 254.00 | 254.00 | |
| 115 | Coolie | day | 0.5 | 265.00 | 132.50 | |
| 9999 | Sundries | L.S. | 25 | 1.80 | 45.00 | |
| | TOTAL | | | | 5467.45 | |
| | Add 1 % Water charges | | | | 54.67 | |
| | TOTAL | | | | 5522.12 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 775.86 | |
| | Total | | | | 6297.98 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 944.70 | |
| | Cost of 10 Cum. | | | | 7242.68 | |
| | Cost of 1 Cum. | | | | 724.27 | |
| | add 1% labour cess | | | | 7.24 | |
| | Total | | | | 731.51 | |
| | Say | | | | 731.50 | |

**16.91.2 80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Details of cost for 10.00 sqm. | | | | | |
| | MATERIALS : | | | | | |
| 8785 | Interlocking C.C. paver block (80 mm thick, M-30) | sqm | 10 | 344.37 | 3443.68 | |
| 982 | Coarse sand (zone 111) (10 x 0.050 = 0.50 cum ) | cum | 0.5 | 160.69 | 80.35 | |
| 2203 | Carriage of Coarse sand | cum | 0.5 | 0 | 0.00 | |
| 983 | Fine sand (zone IV) | cum | 0.15 | 117.66 | 17.65 | |
| 2261 | Carriage of Fine sand | cum | 0.15 | 0 | 0.00 | |
| | Labour for Laying | | | | | |
| 123 | Mason (brick layer) 1st class | day | 0.5 | 342.00 | 171.00 | |
| 124 | Mason (brick layer) 2nd class | day | 0.5 | 305.00 | 152.50 | |
| 114 | Beldar | day | 1 | 254.00 | 254.00 | |
| 115 | Coolie | day | 0.5 | 265.00 | 132.50 | |
| | TOTAL | | | | 4251.67 | |
| | Add 1 % Water charges | | | | 42.52 | |
| | TOTAL | | | | 4294.19 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 603.33 | |
| | Total | | | | 4897.52 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 734.63 | |
| | Cost of 10 Cum. | | | | 5632.15 | |
| | Cost of 1 Cum. | | | | 563.21 | |
| | add 1% labour cess | | | | 5.63 | |
| | Total | | | | 568.85 | |
| | Say | | | | 568.80 | |

**16.92 Providing and fixing 10x10x7.50 cm Granite stone block hand cut and chisel dressed on top, for paving in floors, drains etc. laid over 20mm thick base mortar 1:4 (1 cement : 4 coarse sand) with joints 10mm wide filled with same mortar including ruled pointing etc. complete as per direction of engineer-in-charge.**

Details of cost for 10.00 sqm.

MATERIALS :

Stone size 10x10x7.50cm =1sqm+5% wastage=sqm

| | | | | | |
|---|---|---|---|---|---|
| 7774 | Stone size 10x10x7.50cm | each | 827 | 8.38 | 6927.37 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 2113 | Rate as per Item No.2113of SH: MORTARS | cum | 0.434 | 2534.72 | 1100.07 | |
| 367 | Portland Cement (OPC-43 grade) | tonne | 0.02 | 5474.00 | 109.48 | |
| | LABOUR : | | | | | |
| 124 | Mason (brick layer) 2nd class | day | 1.08 | 305.00 | 329.40 | |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 | |
| 115 | Coolie | day | 1.62 | 265.00 | 429.30 | |
| 101 | Bhisti | day | 0.27 | 277.00 | 74.79 | |
| 13.33.1 | Rate as per Item No.13.33.1 of SH: FINISHING | sqm | 10 | 99.38 | 993.75 | (A) |
| | TOTAL | | | | 10027.67 | |
| | Add 1 % Water charges on all except (A) i.e. | | | | 90.34 | |
| | TOTAL | | | | 10118.00 | |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1281.96 | |
| | Total | | | | 11399.96 | |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1560.93 | |
| | Cost of 10 sqm. | | | | 12960.89 | |
| | Cost of 1 sqm. | | | | 1296.09 | |
| | add 1% labour cess | | | | 12.96 | |
| | Total | | | | 1309.05 | |
| | Say | | | | 1309.10 | |

**16.93** **Providing and placing in position 100 mm thick factory made machine batched & machine mixed Precast RCC Rectangular Covers on drains of footpath of various sizes, of M-25 grade cement concrete for RCC work, including cost of centering, shuttering, reinforcement of 8 mm dia TMT bars of Fe 500 grade @ maximum 100mm c/c on both ways , neat cement punning on finished surface, properly encased on all edges with 1.6 mm thick , 100 mm wide MS sheet duly painted over priming coat , reinforcement to be welded at edges with MS sheet and providing 2 Nos. 12 mm dia bar for hooks etc i/c cost of cartage, all leads & lift, handling at site etc. all complete as per direction of Engineer-in-Charge.**

Details of cost of 1 No of size 1.50 x 0.40 = 0.60 sqm

| | | | | | | |
|---|---|---|---|---|---|---|
| | MATERIALS : | | | | | |
| | Precast RCC M-25 | | | | | |
| 5.33.1 | Rate as per Item No.5.33.1 of SH: REINFORCED CEMENT CONCRETE Reinforcement TMT | cum | 0.06 | 5141.05 | 308.46 | (A) |
| 5.22.7B | Rate as per Item No.5.22.7B of SH: REINFORCED CEMENT CONCRETE Welding by gas plant/ Electric plant | Kg | 4.59 | 76.65 | 351.80 | (A) |
| 10.22 | Rate as per Item No.10.22 of SH: STEEL WORK M.S. sheet 1.60 mm thick<br>2x(1.50+0.40)x0.10x0.016x7850=4.77kg | cm | 82 | 3.04 | 248.97 | (A) |
| 1013 | Mild steel sheets for tanks Paint<br>2x(1.50+0.40)x0.10=0.38sqm | quintal | 0.0477 | 3513.48 | 167.59 | |
| 13.93.1 | Rate as per Item No.13.93.1 of SH: FINISHING Neat Cement Punning 1x1.50x0.40=0.60 sqm | sqm | 0.38 | 69.70 | 26.49 | (A) |
| 13.26 | Rate as per Item No.13.26 of SH: FINISHING | sqm | 0.6 | 38.26 | 22.96 | (A) |
| | TOTAL | | | | 1126.27 | |
| | TOTAL A | | | | 958.68 | |
| | Add 1 % Water charges on all except (A) i.e. | | | | 1.68 | |
| | TOTAL | | | | 1127.95 | |
| | Add GST 12% on "X" ( multiplying factor 0.1405) on all except (A) i.e. | | | | 23.78 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 1151.73 |
| | Add 15 % Contractor's profit and overheads on all except (A) | | | | 28.96 |
| | Cost of 0.60 sqm. | | | | 1180.69 |
| | Cost of 1 sqm. | | | | 1967.81 |
| | add 1% labour cess | | | | 19.68 |
| | Total | | | | 1987.49 |
| | Say | | | | 1987.50 |
| 16.94 | **Providing & making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012,MORTH Clause 2500, of required size, Mesh Type 10x12 (D=100 mm with tolerance of ± 2%) Zinc coated, Mesh wire diameter 3.0 mm, mechanically edged/selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2mm, supplied @3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per direction of Engineer-in-charge.** | | | | | |
| | Details cost of one Gabion box/Crates of size 2mx1mx1m = 2 cum | | | | |
| | MATERIAL | | | | |
| 8576 | Crates made of Mesh type 10x12 (D=100 mm) Zn coated. (Mesh wire diameter 3.00 mm). Surface area required = 11.00 sqm. | sqm | 11 | 176.84 | 1945.21 |
| 7753 | Stone boulder with least dimension 200mm | cum | 2 | 651.51 | 1303.01 |
| | LABOUR | | | | 0.00 |
| 128 | Mate | day | 0.1 | 270.00 | 27.00 |
| 125 | Mason (for plain stone work) 2nd class | day | 0.5 | 305.00 | 152.50 |
| 114 | Beldar | day | 1.5 | 254.00 | 381.00 |
| | TOTAL | | | | 3808.72 |
| | Add 1 % Water charges | | | | 38.09 |
| | TOTAL | | | | 3846.81 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 540.48 |
| | Total | | | | 4387.29 (Y) |
| | Add 15 % Contractor's profit and overheads | | | | 658.09 |
| | Cost of 2 cum | | | | 5045.38 |
| | Cost of 1 cum | | | | 2522.69 |
| | add 1% labour cess | | | | 25.23 |
| | Total | | | | 2547.92 |
| | Say | | | | 2547.90 |
| 16.95 | **Providing & making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012,MORTH Clause 2500, of required size, Mesh Type 10x12(D=100 mm with tolerance of ± 2%) Zinic+PVC coated, Mesh wire diameter2.7/3.7mm, mechanically edged/selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2/3.2mm(ID/OD), supplied @3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per directions of Engineer-in-charge.** | | | | | |
| | Details cost of one Gabion box/Crates of size 2mx1mx1m = 2 cum | | | | |
| | MATERIAL | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 8577 | Crates made of Mesh type 10x12 (D=100 mm) Zn+PVC coated. Mesh wire diameter 2.70/3.70 mm (ID/OD).<br><br>Surface area required = 11.00 sqm. | sqm | 11 | 204.76 | 2252.35 | |
| 7753 | Stone boulder with least dimension 200mm | cum | 2 | 651.51 | 1303.01 | |
| | LABOUR | | | | | |
| 128 | Mate | day | 0.1 | 270.00 | 27.00 | |
| 125 | Mason (for plain stone work) 2nd class | day | 0.5 | 305.00 | 152.50 | |
| 114 | Beldar | day | 1.5 | 254.00 | 381.00 | |
| | TOTAL | | | | 4115.86 | |
| | Add 1 % Water charges | | | | 41.16 | |
| | TOTAL | | | | 4157.02 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 584.06 | |
| | Total | | | | 4741.08 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 711.16 | |
| | Cost of 2 cum | | | | 5452.25 | |
| | Cost of 1 cum | | | | 2726.12 | |
| | add 1% labour cess | | | | 27.26 | |
| | Total | | | | 2753.38 | |
| | Say | | | | 2753.40 | |
| **16.96** | **Providing & making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012,MORTH Clause 2500, of required size, Mesh Type 10x12(D=100 mm with tolerance of ±2%), Zinic+10% Al alloy+PVC coated, Mesh wire diameter 2.7/3.7mm (ID/OD), mechanically edged/ selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2/3.2mm(ID/OD), supplied @3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per directions of Engineer-in-charge.** | | | | | | |
| | Details cost of one Gabion box/Crates of size 2mx1mx1m = 2 cum | | | | | |
| | MATERIAL | | | | | |
| 8578 | Crates made of Mesh type 10x12 (D=100 mm) Zn+10% Al alloy + PVC coated. Mesh wire diameter 2.70/3.70 mm (ID/OD). Surface area required = 11.00 sqm. | sqm | 11 | 269.91 | 2969.01 | |
| 7753 | Stone boulder with least dimension 200mm | cum | 2 | 651.51 | 1303.01 | |
| | LABOUR | | | | 0.00 | |
| 128 | Mate | day | 0.1 | 270.00 | 27.00 | |
| 125 | Mason (for plain stone work) 2nd class | day | 0.5 | 305.00 | 152.50 | |
| 114 | Beldar | day | 1.5 | 254.00 | 381.00 | |
| | TOTAL | | | | 4832.52 | |
| | Add 1 % Water charges | | | | 48.33 | |
| | TOTAL | | | | 4880.85 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 685.76 | |
| | Total | | | | 5566.60 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 834.99 | |
| | Cost of 2 cum | | | | 6401.60 | |
| | Cost of 1 cum | | | | 3200.80 | |
| | add 1% labour cess | | | | 32.01 | |
| | Total | | | | 3232.81 | |
| | Say | | | | 3232.80 | |

# SUB HEAD : 17.0
# SANITARY INSTALLATIONS

# 17.0 Sanitary Installations

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 17 | **1 Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm Sand Cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern,including flush pipe, manually controlled device (handle lever) conforming to IS :7231, with all fittings and fixtures complete, including cutting and making good the wal ls and floors wherever required.** | | | | |
| **17.1.1** | **White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral** | | | | |
| | type foot rests. | | | | |
| | Details of cost for 1 pan. | | | | |
| | MATERIAL: | | | | |
| 1954 | Vitreous china orrisa type W.C. pan size 580 mm | each | 1.00 | 725.96 | 725.96 |
| 7358 | Flushing Cistern P.V.C. 10 litre capacity ( low level ) (White) ( with fittings, accessories and flush pipe) | each | 1.00 | 558.43 | 558.43 |
| 1896 | 100 mm S.C.I. trap with vent heel | each | 1.00 | 293.18 | 293.18 |
| 9999 | Cement, sand and grit etc. | L.S. | 26.91 | 1.80 | 48.44 |
| 9999 | Carriage of materials | L.S. | 26.91 | 1.80 | 48.44 |
| | LABOUR: | | | | |
| 0116 | Fitter (grade 1) | day | 1.25 | 348.00 | 435.00 |
| 0123 | Mason (brick layer) 1st class | day | 0.50 | 342.00 | 171.00 |
| 114 | Beldar | day | 1.00 | 254.00 | 254.00 |
| | TOTAL | | | | 2534.45 |
| | Add Water Charges @ 1% | | | | 25.34 |
| | TOTAL | | | | 2559.80 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 359.65 |
| | Total | | | | 2919.45 (Y) |
| | Add CPOH @ 15% | | | | 437.92 |
| | Cost of each | | | | 3357.37 |
| | Add 1% labour cess | | | | 33.57 |
| | Cost of each | | | | 3390.94 |
| | Say | | **3390.90** | | |
| **17.1.2** | **Stainless Steel AISI-304(18/8) Orissa pattern W.C. pan of size 585x480 mm with flush pipe and integrated type foot rests.** | | | | |
| | Details of cost for 1 pan. | | | | |
| | MATERIAL: | | | | |
| 7805 | Salem Stainless steel AISI - 304 (18/8) Orrisa pattern W.C. pan 724 mm X 578 mm | each | 1.00 | 3350.60 | 3350.60 |
| 7358 | Flushing Cistern P.V.C. 10 litre capacity (low level) (White) ( with fittings, accessories and flush pipe) | each | 1.00 | 558.43 | 558.43 |
| 1896 | 100 mm S.C.I. trap with vent heel | each | 1.00 | 293.18 | 293.18 |
| 9999 | Cement, sand and grit etc. | L.S. | 26.91 | 1.80 | 48.44 |
| 9999 | Carriage of materials | L.S. | 26.91 | 1.80 | 48.44 |
| | LABOUR: | | | | |
| 0116 | Fitter (grade 1) | day | 1.25 | 348.00 | 435.00 |
| 0123 | Mason (brick layer) 1st class | day | 0.50 | 342.00 | 171.00 |
| 0114 | Beldar | day | 1.00 | 254.00 | 254.00 |
| | TOTAL | | | | 5159.09 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | 51.59 | |
| | TOTAL | | | | 5210.68 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 732.10 | |
| | Total | | | | 5942.78 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 891.42 | |
| | Cost of each | | | | 6834.20 | |
| | Add 1% labour cess | | | | 68.34 | |
| | Cost of each | | | | 6902.54 | |
| | Say | | **6902.50** | each | | |

**17.2 Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushi ng cistern,including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required.**

**17.2.1 W.C. pan with ISI marked white solid plastic seat and lid.**

Details of cost for 1 pan.
MATERIAL:

| | | | | | | |
|---|---|---|---|---|---|---|
| 1875 | White plastic seat (solid) with lid C.P. brass hinges and rubber buffers | each | 1.00 | 307.14 | 307.14 | |
| 1955 | Vitreous china pedestal type water closet | each | 1.00 | 651.51 | 651.51 | |
| 7358 | Flushing Cistern P.V.C. 10 litre capacity ( lo w level ) (White) ( with fittings, accessories and flush pipe) | each | 1.00 | 558.43 | 558.43 | |
| 9999 | Cement, sand and grit etc. | L.S. | 26.91 | 1.80 | 48.44 | |
| **9999** | **Carriage of materials** | **L.S.** | **26.91** | **1.80** | **48.44** | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 1.25 | 348.00 | 435.00 | |
| 0123 | Mason (brick layer) 1st class | day | 0.50 | 342.00 | 171.00 | |
| 114 | Beldar | day | 1.00 | 254.00 | 254.00 | |
| | TOTAL | | | | 2473.96 | |
| | Add Water Charges @ 1% | | | | 24.74 | |
| | TOTAL | | | | 2498.69 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 351.07 | |
| | Total | | | | 2849.76 | (Y) |
| | Add CPOH @ 15% on"Y" | | | | 427.46 | |
| | Cost of each | | | | 3277.23 | |
| | Add 1% labour cess | | | | 32.77 | |
| | Cost of each | | | | 3310.00 | |
| | Say | | **3310.00** | each | | |

**17.2.2 W.C. pan with ISI marked black solid plastic seat and lid**

Details of cost for 1 pan.
MATERIAL:

| | | | | | | |
|---|---|---|---|---|---|---|
| 1876 | Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers | each | 1.00 | 288.52 | 288.52 | |
| 1955 | Vitreous china pedestal type water closet | each | 1.00 | 651.51 | 651.51 | |
| 7358 | Flushing Cistern P.V.C. 10 litre capacity ( low level ) (White) ( with fittings, accessories and flush pipe) | each | 1.00 | 558.43 | 558.43 | |
| 9999 | Cement, sand and grit etc. | L.S. | 26.91 | 1.80 | 48.44 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Carriage of materials | L.S. | 26.91 | 1.80 | 48.44 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 1.25 | 348.00 | 435.00 | |
| 0123 | Mason (brick layer) 1st class | day | 0.50 | 342.00 | 171.00 | |
| 0114 | Beldar | day | 1.00 | 254.00 | 254.00 | |
| | TOTAL | | | | 2455.34 | |
| | Add Water Charges @ 1% | | | | 24.55 | |
| | TOTAL | | | | 2479.89 | |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 348.43 | |
| | Total | | | | 2828.32 | (Y) |
| | Add CPOH @ 15% | | | | 424.25 | |
| | Cost of each | | | | 3252.57 | |
| | Add 1% labour cess | | | | 32.53 | |
| | Cost of each | | | | 3285.09 | |
| | Say | | **3285.10** | each | | |

**17.3 Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required.**

**17.3.1 W.C. pan with ISI marked white solid plastic seat and lid.**

Details of cost for 1 pan.

| | | | | | | |
|---|---|---|---|---|---|---|
| | MATERIAL: | | | | | |
| 1875 | White plastic seat (solid) with lid C.P. brass hinges and rubber buffers | each | 1.00 | 307.1387 | 307.14 | |
| 1955 | Vitreous china pedestal type water closet | each | 1.00 | 651.5064 | 651.51 | |
| 7006 | Vitreous china 10 litres low level cistern with fittings | each | 1.00 | 1209.94 | 1209.94 | |
| 9999 | Overflow arrangement and specials for oveflow pipe | L.S. | 62.79 | 1.80 | 113.02 | |
| 1350 | Mosquito proof coupling of approved design | each | 1.00 | 27.92 | 27.92 | |
| 9999 | Plugs, screws etc | L.S. | 13.52 | 1.80 | 24.34 | |
| 9999 | Red lead, white lead and gasket | L.S. | 16.12 | 1.80 | 29.02 | |
| 9999 | Cement, sand and grit etc. | L.S. | 26.91 | 1.80 | 48.44 | |
| 9999 | Carriage of materials | L.S. | 26.91 | 1.80 | 48.44 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 1.00 | 348.00 | 348.00 | |
| 0123 | Mason (brick layer) 1st class | day | 1.00 | 342.00 | 342.00 | |
| 114 | Beldar | day | 1.00 | 254.00 | 254.00 | |
| | TOTAL | | | | 3403.76 | |
| | Add Water Charges @ 1% | | | | 34.04 | |
| | TOTAL | | | | 3437.79 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 483.01 | |
| | Total | | | | 3920.80 | (Y) |
| | Add CPOH @ 15% on Y | | | | 588.12 | |
| | Cost of each | | | | 4508.93 | |
| | Add 1% labour cess | | | | 45.09 | |
| | Cost of each | | | | 4554.01 | |
| | Say | | **4554.00** | **Each** | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **17.3.2** | **W.C. pan with ISI marked black solid plastic seat and lid.** | | | | |
| | Details of cost for 1 pan. | | | | |
| | MATERIAL: | | | | |
| 1876 | Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers | each | 1.00 | 288.52 | 288.52 |
| 1955 | Vitreous china pedestal type water closet | each | 1.00 | 651.51 | 651.51 |
| 7006 | Vitreous china 10 litres low level cistern with fittings | each | 1.00 | 1209.94 | 1209.94 |
| 9999 | Overflow arrangement and specials for oveflow pipe | L.S. | 62.79 | 1.80 | 113.02 |
| 1350 | Mosquito proof coupling of approved design | each | 1.00 | 27.92 | 27.92 |
| 9999 | Plugs, screws etc | L.S. | 13.52 | 1.80 | 24.34 |
| 9999 | Red lead, white lead and gasket | L.S. | 16.12 | 1.80 | 29.02 |
| 9999 | Cement, sand and grit etc. | L.S. | 26.91 | 1.80 | 48.44 |
| 9999 | Carriage of materials | L.S. | 26.91 | 1.80 | 48.44 |
| | LABOUR: | | | | |
| 0116 | Fitter (grade 1) | day | 1.00 | 348.00 | 348.00 |
| 0123 | Mason (brick layer) 1st class | day | 1.00 | 342.00 | 342.00 |
| 0114 | Beldar | day | 1.00 | 254.00 | 254.00 |
| | TOTAL | | | | 3385.14 |
| | Add Water Charges @ 1% | | | | 33.85 |
| | TOTAL | | | | 3418.99 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 480.37 |
| | Total | | | | 3899.36 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 584.90 |
| | Cost of each | | | | 4484.27 |
| | Add 1% labour cess | | | | 44.84 |
| | Cost of each | | | | 4529.11 |
| | Say | | **4529.10** | **Each** | |
| 17.4 | **Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with cutting and making good the walls and floors wherever required.** | | | | |
| | **brass unions and G.I clamps complete, including painting of fittings and brackets,** | | | | |
| **17.4.1** | **One urinal basin with 5 litre white P.V.C. automatic flushing cistern.** | | | | |
| | Details of cost for one no.. | | | | |
| | Details of cost for one no.. | | | | |
| | MATERIAL: | | | | |
| 1913 | Vitreous china lipped front urinal | each | 1 | 428.13 | 428.13 |
| 7359 | P.V.C. automatic flushing cistern 5 litre capacity | each | 1 | 456.05 | 456.05 |
| 7375 | G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Single lipped urinal | each | 1 | 432.79 | 432.79 |
| 9999 | Red lead, white lead and gasket | L.S. | 13.52 | 1.80 | 24.34 |
| 9999 | Plugs, screws etc | L.S. | 13.52 | 1.80 | 24.34 |
| 9999 | Cement, sand and grit etc. | L.S. | 13.52 | 1.80 | 24.34 |
| 9999 | Painting of fittings etc. | L.S. | 39.00 | 1.80 | 70.20 |
| 9999 | Carriage of materials | L.S. | 26.91 | 1.80 | 48.44 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.88 | 348.00 | 306.24 |
| 123 | Mason (brick layer) 1st class | day | 0.88 | 342.00 | 300.96 |
| 114 | Beldar | day | 1.5 | 254.00 | 381.00 |
| | TOTAL | | | | **2496.82** |
| | Add Water Charges @ 1% | | | | 24.97 |
| | TOTAL | | | | 2521.79 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 354.31 |
| | Total | | | | 2876.10 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 431.41 |
| | Cost of each | | | | 3307.51 |
| | Add 1% labour cess | | | | 33.08 |
| | Cost of each | | | | 3340.59 |
| | Say | | **3340.60** | **Each** | |
| **17.4.2** | **Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1913 | Vitreous china lipped front urinal | each | 2.00 | 428.13 | 856.27 |
| 7359 | P.V.C. automatic flushing cistern 5 litre capacity | each | 1.00 | 456.05 | 456.05 |
| 7376 | G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of two lipped urinals | each | 1. 00 | 744.58 | 744.58 |
| 9999 | Red lead, white lead and gasket | L.S. | 20.28 | 1.80 | 36.50 |
| 9999 | Plugs, screws etc | L.S. | 20.28 | 1.80 | 36.50 |
| 9999 | Cement, sand and grit etc. | L.S. | 20.28 | 1.80 | 36.50 |
| 9999 | Painting of fittings etc. | L.S. | 39.00 | 1.80 | 70.20 |
| 9999 | Carriage of materials | L.S. | 26.91 | 1.80 | 48.44 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 1.50 | 348.00 | 522.00 |
| 123 | Mason (brick layer) 1st class | day | 1.50 | 342.00 | 513.00 |
| 114 | Beldar | day | 2.00 | 254.00 | 508.00 |
| | TOTAL | | | | 3828.05 |
| | Add Water Charges @ 1% | | | | 38.28 |
| | TOTAL | | | | 3866.33 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 543.22 |
| | Total | | | | 4409.55 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 661.43 |
| | Cost of each | | | | 5070.98 |
| | Add 1% labour cess | | | | 50.71 |
| | Cost of each | | | | 5121.69 |
| | Say | | **5121.70** | **Each** | |
| **17.4.3** | **Range of three urinal basins with 10 litre white P.V.C. automatic flushing cistern. Details of cost for one no.** | | | | |
| | **MATERIAL:** | | | | |
| 1913 | Vitreous china lipped front urinal | each | 3.0 | 428.13 | 1284.40 |
| 7361 | P.V.C. automatic flushing cistern 10 litre capacity | eac h | 1.0 | 493.28 | 493.28 |
| 7377 | G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of | each | 1. 0 | 1023.80 | 1023.80 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | three lipped urinals | | | | | |
| 9999 | Red lead, white lead and gasket | L.S. | 33.7 | 1.80 | 60.61 | |
| 9999 | Plugs, screws etcX | L.S. | 33.7 | 1.80 | 60.61 | |
| 9999 | Cement, sand and grit etc. | L.S. | 33.7 | 1.80 | 60.61 | |
| 9999 | Painting of fittings etc. | L.S. | 39.0 | 1.80 | 70.20 | |
| 9999 | Carriage of materials | L.S. | 40.3 | 1.80 | 72.54 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 2.0 | 348.00 | 696.00 | |
| 123 | Mason (brick layer) 1st class | day | 2.0 | 342.00 | 684.00 | |
| 114 | Beldar | day | 3.0 | 254.00 | 762.00 | |
| | TOTAL | | | | **5268.04** | |
| | Add Water Charges @ 1% | | | | 52.68 | |
| | TOTAL | | | | 5320.72 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 747.56 | |
| | Total | | | | 6068.28 | (Y) |
| | Add CPOH @ 15% on Y | | | | 910.24 | |
| | Cost of each | | | | 6978.52 | |
| | Add 1% labour cess | | | | 69.79 | |
| | Cost of each | | | | 7048.30 | |
| | Say | | **7048.30** | **Each** | | |
| **17.4.4** | **Range of four urinal basins with 10 litre white P.V.C. automatic flushing cistern.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| **1913** | Vitreous china lipped front urinal | each | 4.00 | 428.13 | 1712.53 | |
| **7361** | P.V.C. automatic flushing cistern 10 litre capacity | each | 1.00 | 493.28 | 493.28 | |
| **7378** | G.I. flush pipe and C.P. brass spreader including C.P.connecting pipe Range of four lipped urinals | each | 1.00 | 139 6.09 | 1396.09 | |
| **9999** | Red lead, white lead and gasket | L.S. | 53.82 | 1.80 | 96.88 | |
| **9999** | Plugs, screws etc | L.S. | 53.82 | 1.80 | 96.88 | |
| **9999** | Cement, sand and grit etc. | L.S. | 53.82 | 1.80 | 96.88 | |
| **9999** | Painting of fittings etc. | L.S. | 39.00 | 1.80 | 70.20 | |
| **9999** | Carriage of materials | L.S. | 53.82 | 1.80 | 96.88 | |
| | LABOUR: | | | | | |
| **116** | Fitter (grade 1) | day | 3.00 | 348.00 | 1044.00 | |
| **123** | Mason (brick layer) 1st class | day | 3.00 | 342.00 | 1026.00 | |
| **114** | Beldar | day | 4.00 | 254.00 | 1016.00 | |
| | TOTAL | | | | 7145.60 | |
| | Add Water Charges @ 1% | | | | 71.46 | |
| | TOTAL | | | | 7217.06 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1014.00 | |
| | Total | | | | 8231.06 | (Y) |
| | Add CPOH @ 15% on Y | | | | 1234.66 | |
| | Cost of each | | | | 9465.71 | |
| | Add 1% labour cess | | | | 94.66 | |
| | Cost of each | | | | 9560.37 | |
| | Say | | **9560.40** | **Each** | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **17.5** | **Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required.** | | | | |
| **17.5.1** | **Single half stall urinal with 5 litre PVC. automatic flushing cistern.** | | | | |
| | **Details of cost for one no.** | | | | |
| | **MATERIAL:** | | | | |
| **7379** | White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x375x350 mm with waste fittings as per IS: 2556 | each | 1.00 | 844.17 | 844.17 |
| **7359** | P.V.C. automatic flushing cistern 5 litre capacity | each | 1.00 | 456.05 | 456.05 |
| **1532** | Flush pipe with union spreaders and clamps all in C.P. brass for single stall | each | 1.00 | 251.30 | 251.30 |
| **1891** | C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50mm dia | each | 1.00 | 158.22 | 158.22 |
| **9999** | Red lead, white lead and gasket | L.S. | 17.55 | 1.80 | 31.59 |
| **9999** | Cement, sand and grit etc. | L.S. | 26.91 | 1.80 | 48.44 |
| **9999** | Painting of fittings etc. | L.S. | 26.00 | 1.80 | 46.80 |
| **9999** | Carriage of materials | L.S. | 40.43 | 1.80 | 72.77 |
| | **LABOUR:** | | | | |
| **116** | Fitter (grade 1) | day | 1.75 | 348.00 | 609.00 |
| **123** | Mason (brick layer) 1st class | day | 2.00 | 342.00 | 684.00 |
| **114** | Beldar | day | 4.00 | 254.00 | 1016.00 |
| | TOTAL | | | | 4218.34 |
| | Add Water Charges @ 1% | | | | 42.18 |
| | TOTAL | | | | 4260.52 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 598.60 |
| | Total | | | | 4859.13 (Y) |
| | Add CPOH @ 15% on Y | | | | 728.87 |
| | Cost of each | | | | 5588.00 |
| | Add 1% labour cess | | | | 55.88 |
| | Cost of each | | | | 5643.88 |
| | Say | | **5643.90** | **Each** | |
| **17.5.2** | **Range of two half stall urinals with 5 litre PVC. automatic flushing cistern.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7379 | White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x375x350 mm with waste fittings as per IS: 2556 | each | 2.00 | 844.17 | 1688.33 |
| 7359 | P.V.C. automatic flushing cistern 5 litre capa city | each | 1.00 | 456.05 | 456.05 |
| 1533 | Flush pipe with union spreaders and clamps | each | 1.00 | 372.29 | 372.29 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | all in C.P. brass for double stall | | | | | |
| 1891 | C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia | each | 1.00 | 158.22 | 158.22 | |
| 9999 | Red lead, white lead and gasket | L.S. | 17.55 | 1.80 | 31.59 | |
| 9999 | Cement, sand and grit etc. | L.S. | 53.82 | 1.80 | 96.88 | |
| 9999 | Painting of fittings etc. | L.S. | 26.00 | 1.80 | 46.80 | |
| 9999 | Carriage of materials | L.S. | 53.82 | 1.80 | 96.88 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 2.50 | 348.00 | 870.00 | |
| 123 | Mason (brick layer) 1st class | day | 3.00 | 342.00 | 1026.00 | |
| 114 | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| | TOTAL | | | | 6367.04 | |
| | Add Water Charges @ 1% | | | | 63.67 | |
| | TOTAL | | | | 6430.71 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 903.51 | |
| | Total | | | | 7334.23 | (Y) |
| | Add CPOH @ 15% on Y | | | | 1100.13 | |
| | Cost of each | | | | 8434.36 | |
| | Add 1% labour cess | | | | 84.34 | |
| | Cost of each | | | | 8518.70 | |
| | Say | | **8518.70** | **Each** | | |
| **17.5.3** | **Range of three half stall urinals with 10 litre PVC. automatic flushing cistern.** | | | | | |
| | Details of cost for one no. | | | | | |
| | **MATERIAL:** | | | | | |
| 7379 | White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x 375x350 mm with waste fittings as per IS: 2556 | each | 3.00 | 844.17 | 2532.50 | |
| 7361 | P.V.C. automatic flushing cistern 10 litre capacity | eac h | 1.00 | 493.28 | 493.28 | |
| 1534 | Flush pipe with union spreaders and clamps all in C.P. brass for range of three stall | each | 1.00 | 483.98 | 483.98 | |
| 1893 | C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 80 mm dia | each | 1.00 | 209.41 | 209.41 | |
| 9999 | Red lead, white lead and gasket | L.S. | 17.55 | 1.80 | 31.59 | |
| 9999 | Cement, sand and grit etc. | L.S. | 80.73 | 1.80 | 145.31 | |
| 9999 | Painting of fittings etc. | L.S. | 26.00 | 1.80 | 46.80 | |
| 9999 | Carriage of materials | L.S. | 67.21 | 1.80 | 120.98 | |
| | **LABOUR:** | | | | | |
| 116 | Fitter (grade 1) | day | 3.00 | 348.00 | 1044.00 | |
| 123 | Mason (brick layer) 1st class | day | 3.50 | 342.00 | 1197.00 | |
| 114 | Beldar | day | 7.00 | 254.00 | 1778.00 | |
| | TOTAL | | | | 8082.85 | |
| | Add Water Charges @ 1% | | | | 80.83 | |
| | TOTAL | | | | 8163.68 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1147.00 | |
| | Total | | | | 9310.68 | (Y) |
| | Add CPOH @ 15% on Y | | | | 1396.60 | |
| | Cost of each | | | | 10707.28 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add 1% labour cess | | | | 107.07 |
| | Cost of each | | | | 10814.35 |
| | Say | | **10814.40** | **Each** | |

**17.5.4 Range of four half stall urinals with 10 litre PVC. automatic flushing cistern.**

Details of cost for one no.

MATERIAL:

| | | | | | |
|---|---|---|---|---|---|
| 7379 | White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x375x350 mm with waste fittings as per IS: 2556 | each | 4 | 844.1661 | 3376.66 |
| 7361 | P.V.C. automatic flushing cistern 10 litre capacity | eac h | 1.00 | 493.28 | 493.28 |
| 1535 | Flush pipe with union spreaders and clamps all in C.P. brass for range of four stall | each | 1.00 | 558.43 | 558.43 |
| 1893 | C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 80 mm dia | each | 1.00 | 209.41 | 209.41 |
| 9999 | Red lead, white lead and gasket | L.S. | 17.55 | 1.80 | 31.59 |
| 9999 | Cement, sand and grit etc. | L.S. | 107.64 | 1.80 | 193.75 |
| 9999 | Painting of fittings etc. | L.S. | 39.00 | 1.80 | 70.20 |
| 9999 | Carriage of materials | L.S. | 80.73 | 1.80 | 145.31 |

LABOUR:

| | | | | | |
|---|---|---|---|---|---|
| 116 | Fitter (grade 1) | day | 3.50 | 348.00 | 1218.00 |
| 123 | Mason (brick layer) 1st class | day | 4.00 | 342.00 | 1368.00 |
| 114 | Beldar | day | 8.00 | 254.00 | 2032.00 |
| | TOTAL | | | | **9696.65** |
| | Add Water Charges @ 1% | | | | 96.97 |
| | TOTAL | | | | 9793.62 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1376.00 |
| | Total | | | | 11169.62 (Y) |
| | Add CPOH @ 15% on Y | | | | 1675.44 |
| | Cost of each | | | | 12845.06 |
| | Add 1% labour cess | | | | 128.45 |
| | Cost of each | | | | 12973.51 |
| | Say | | **12973.50** | **Each** | |

**17.6 Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white PVC. automatic flushing cistern, with fittings, standard size G.I. / PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required.**

**17.6.1 Single squatting plate with 5 litre PVC. automatic flushing cistern.**

Details of cost for one no.

MATERIAL:

| | | | | | |
|---|---|---|---|---|---|
| 1915 | Vitreous china squatting plate urinal | each | 1.00 | 980.05 | 980.05 |
| 7359 | P.V.C. automatic flushing cistern 5 litre capacity | each | 1.00 | 456.05 | 456.05 |
| 1540 | Flush pipe and spreaders G.I. for single set of one squatting plate urinal | each | 1.00 | 162.88 | 162.88 |
| 9999 | Red lead, white lead and gasket | L.S. | 17.55 | 1.80 | 31.59 |
| 9999 | Cement, sand and grit etc. | L.S. | 26.91 | 1.80 | 48.44 |
| 9999 | Painting of fittings etc. | L.S. | 26.00 | 1.80 | 46.80 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 9999 | Carriage of materials | L.S. | 26.91 | 1.80 | 48.44 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 1.75 | 348.00 | 609.00 |
| 123 | Mason (brick layer) 1st class | day | 0.75 | 342.00 | 256.50 |
| 114 | Beldar | day | 3.00 | 254.00 | 762.00 |
| | TOTAL | | | | 3401.75 |
| | Add Water Charges @ 1% | | | | 34.02 |
| | TOTAL | | | | 3435.77 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 482.73 |
| | Total | | | | 3918.49 (Y) |
| | Add CPOH @ 15% on Y | | | | 587.77 |
| | Cost of each | | | | 4506.27 |
| | Add 1% labour cess | | | | 45.06 |
| | Cost of each | | | | 4551.33 |
| | Say | | **4551.30** | **Each** | |
| **17.6.2** | **Range of two squatting plates with 5 litre PVC. automatic flushing cistern.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1915 | Vitreous china squatting plate urinal | each | 2.00 | 980.0517 | 1960.10 |
| 7359 | P.V.C. automatic flushing cistern 5 litre capacity | each | 1.00 | 456.0545 | 456.05 |
| 1541 | Flush pipe and spreaders G.I. for range of two squatting plates urinal | each | 1.00 | 232.68 | 232.68 |
| 9999 | Red lead, white lead and gasket | L.S. | 17.55 | 1.80 | 31.59 |
| 9999 | Cement, sand and grit etc. | L.S. | 53.82 | 1.80 | 96.88 |
| 9999 | Painting of fittings etc. | L.S. | 26.00 | 1.80 | 46.80 |
| 9999 | Carriage of materials | L.S. | 33.15 | 1.80 | 59.67 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 2.50 | 348.00 | 870.00 |
| 123 | Mason (brick layer) 1st class | day | 1.00 | 342.00 | 342.00 |
| 114 | Beldar | day | 4.00 | 254.00 | 1016.00 |
| | TOTAL | | | | 5111.77 |
| | Add Water Charges @ 1% | | | | 51.12 |
| | TOTAL | | | | 5162.89 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 725.39 |
| | Total | | | | 5888.28 (Y) |
| | Add CPOH @ 15% on Y | | | | 883.24 |
| | Cost of each | | | | 6771.52 |
| | Add 1% labour cess | | | | 67.72 |
| | Cost of each | | | | 6839.24 |
| | Say | | **6839.20** | **Each** | |
| **17.6.3** | **Range of three squatting plates with 10 litre PVC. automatic flushing cistern.** | | | | |
| | **Details of cost for one no.** | | | | |
| | **MATERIAL:** | | | | |
| 1915 | Vitreous china squatting plate urinal | each | 3.00 | 980.05 | 2940.16 |
| 7361 | P.V.C. automatic flushing cistern 10 litre capacity | eac h | 1.00 | 493.28 | 493.28 |
| 1542 | Flush pipe and spreaders G.I. for range of three squatting plates urinal | each | 1.00 | 279.22 | 279.22 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Red lead, white lead and gasket | L.S. | 17.55 | 1.80 | 31.59 | |
| 9999 | Cement, sand and grit etc. | L.S. | 80.73 | 1.80 | 145.31 | |
| 9999 | Painting of fittings etc. | L.S. | 26.00 | 1.80 | 46.80 | |
| 9999 | Carriage of materials | L.S. | 42.12 | 1.80 | 75.82 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 3.00 | 348.00 | 1044.00 | |
| 123 | Mason (brick layer) 1st class | day | 1.50 | 342.00 | 513.00 | |
| 114 | Beldar | day | 5.00 | 254.00 | 1270.00 | |
| | TOTAL | | | | 6839.18 | |
| | Add Water Charges @ 1% | | | | 68.39 | |
| | TOTAL | | | | 6907.57 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 970.51 | |
| | Total | | | | 7878.08 | (Y) |
| | Add CPOH @ 15% on Y | | | | 1181.71 | |
| | Cost of each | | | | 9059.79 | |
| | Add 1% labour cess | | | | 90.60 | |
| | Cost of each | | | | 9150.39 | |
| | Say | | **9150.40** | **Each** | | |

**17.6.4 Range of four squatting plates with 10 litre PVC automatic flushing cistern.**

**Details of cost for one no.**

| | | | | | | |
|---|---|---|---|---|---|---|
| | **MATERIAL:** | | | | | |
| 1915 | Vitreous china squatting plate urinal | each | 4.00 | 980.05 | 3920.21 | |
| 7361 | P.V.C. automatic flushing cistern 10 litre capacity | eac h | 1.00 | 493.28 | 493.28 | |
| 1543 | Flush pipe and spreaders G.I. for range of four squatting plates urinal | each | 1.00 | 362.98 | 362.98 | |
| 9999 | Red lead, white lead and gasket | L.S. | 17.55 | 1.80 | 31.59 | |
| 9999 | Cement, sand and grit etc. | L.S. | 107.64 | 1.80 | 193.75 | |
| 9999 | Painting of fittings etc. | L.S. | 26.00 | 1.80 | 46.80 | |
| 9999 | Carriage of materials | L.S. | 69.03 | 1.80 | 124.25 | |
| | **LABOUR:** | | | | | |
| 116 | Fitter (grade 1) | day | 3.50 | 348.00 | 1218.00 | |
| 123 | Mason (brick layer) 1st class | day | 1.75 | 342.00 | 598.50 | |
| 114 | Beldar | day | 5.50 | 254.00 | 1397.00 | |
| | TOTAL | | | | 8386.37 | |
| | Add Water Charges @ 1% | | | | 83.86 | |
| | TOTAL | | | | 8470.23 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1190.07 | |
| | Total | | | | 9660.30 | (Y) |
| | Add CPOH @ 15% on Y | | | | 1449.04 | |
| | Cost of each | | | | 11109.34 | |
| | Add 1% labour cess | | | | 111.09 | |
| | Cost of each | | | | 11220.44 | |
| | Say | | **11220.40** | **Each** | | |

**17.7 Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps,32mm C.P. brass waste of standard pattern, including painting of fitting s and brackets,cutting and making good the walls wherever require.**

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **17.7.1** | **White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C. P. brass pillar taps.** | | | | | |
| | **Details of cost for one no.** | | | | | |
| | **MATERIAL:** | | | | | |
| 1947 | Vitreous china flat back wash basin 630x450 mm | each | 1.00 | 674.77 | 674.77 | |
| 1885 | 15 mm C.P. brass tap | each | 2.00 | 195.45 | 390.90 | |
| 1951 | C.P. brass waste 32 mm | each | 1.00 | 74.46 | 74.46 | |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 | |
| 9999 | Red lead, white lead and gasket | L.S. | 16.12 | 1.80 | 29.02 | |
| 9999 | Cement, sand and grit etc. | L.S. | 13.39 | 1.80 | 24.10 | |
| 9999 | Painting of brackets, fittings etc. | L.S. | 26.91 | 1.80 | 48.44 | |
| 9999 | Carriage of materials | L.S. | 13.52 | 1.80 | 24.34 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 | |
| 114 | Beldar | day | 0.67 | 254.00 | 170.18 | |
| | TOTAL | | | | 1724.41 | |
| | Add Water Charges @ 1% | | | | 17.24 | |
| | TOTAL | | | | 1741.65 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 244.70 | |
| | Total | | | | 1986.35 | (Y) |
| | Add CPOH @ 15% on Y | | | | 297.95 | |
| | Cost of each | | | | 2284.30 | |
| | **Add 1% labour cess** | | | | **22.84** | |
| | Cost of each | | | | 2307.15 | |
| | Say | | **2307.10** | **Each** | | |
| **17.7.2** | **White Vitreous China Wash basin size 630x450 mm wit h a single 15 mm C.P. brass pillar tap.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1947 | Vitreous china flat back wash basin 630x450 mm | each | 1.00 | 674.77 | 674.77 | |
| 1885 | 15 mm C.P. brass tap | each | 1.00 | 195.45 | 195.45 | |
| 1951 | C.P. brass waste 32 mm | each | 1.00 | 74.46 | 74.46 | |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 | |
| 9999 | Red lead, white lead and gasket | L.S. | 16.12 | 1.80 | 29.02 | |
| 9999 | Cement, sand and grit etc. | L.S. | 13.39 | 1.80 | 24.10 | |
| 9999 | Painting of brackets, fittings etc. | L.S. | 26.91 | 1.80 | 48.44 | |
| 9999 | Carriage of materials | L.S. | 13.52 | 1.80 | 24.34 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) day 0.30 393.00 117.90 | DAY | 0.30 | 3 48.00 | 104.40 | |
| 123 | Mason (brick layer) 1st class day 0.33 393.00 129. 69 | DAY | 0.33 | 342.00 | 112.86 | |
| 114 | Beldar day 0.63 297.00 187.11 | DAY | 0.63 | 254.00 | 160.0 2 | |
| | TOTAL | | | | 1508.35 | |
| | Add Water Charges @ 1% | | | | 15.08 | |
| | TOTAL | | | | 1523.44 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 214.04 | |
| | Total | | | | 1737.48 | (Y) |
| | Add CPOH @ 15% on Y | | | | 260.62 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost of each | | | | 1998.10 |
| | Add 1% labour cess | | | | 19.98 |
| | Cost of each | | | | 2018.08 |
| | **Say** | | **2018.10** | **Each** | |
| **17.7.3** | **White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3229 | Vitreous china flat back wash basin 550x400 mm | each | 1.00 | 511.90 | 511.90 |
| 1885 | 15 mm C.P. brass tap | each | 2.00 | 195.45 | 390.90 |
| 1951 | C.P. brass waste 32 mm | each | 1.00 | 74.46 | 74.46 |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 |
| 9999 | Red lead, white lead and gasket | L.S. | 16.12 | 1.80 | 29.02 |
| 9999 | Cement, sand and grit etc. | L.S. | 13.39 | 1.80 | 24.10 |
| 9999 | Painting of brackets, fittings etc. | L.S. | 26.91 | 1.80 | 48.44 |
| 9999 | Carriage of materials | L.S. | 13.52 | 1.80 | 24.34 |
| | LABOUR | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 |
| 123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 |
| 114 | Beldar | day | 0.67 | 254.00 | 170.18 |
| | TOTAL | | | | 1561.53 |
| | Add Water Charges @ 1% | | | | 15.62 |
| | TOTAL | | | | 1577.15 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 221.59 |
| | Total | | | | 1798.74 (Y) |
| | Add CPOH @ 15% on Y | | | | 269.81 |
| | Cost of each | | | | 2068.55 |
| | Add 1% labour cess | | | | 20.69 |
| | Cost of each | | | | 2089.23 |
| | Say | | **2089.20** | **Each** | |
| **17.7.4** | **White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3229 | Vitreous china flat back wash basin 550x400 mm | each | 1.00 | 511.90 | 511.90 |
| 1885 | 15 mm C.P. brass tap | each | 1.00 | 195.45 | 195.45 |
| 1951 | C.P. brass waste 32 mm each 1.00 80.00 80.00 | each | 1.00 | 74.46 | 74.46 |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 |
| 9999 | Red lead, white lead and gasket | L.S. | 16.12 | 1.80 | 29.02 |
| 9999 | Cement, sand and grit etc. | L.S. | 13.39 | 1.80 | 24.10 |
| 9999 | Painting of brackets, fittings etc. | L.S. | 26.91 | 1.80 | 48.44 |
| 9999 | Carriage of materials | L.S. | 13.52 | 1.80 | 24.34 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.30 | 348.00 | 104.40 |
| 123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 |
| 114 | Beldar | day | 0.63 | 254.00 | 160.02 |
| | TOTAL | | | | 1345.48 |
| | Add Water Charges @ 1% | | | | 13.45 |
| | TOTAL | | | | 1358.93 (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 190.93 |
| | Total | | | | 1549.86 (Y) |
| | Add CPOH @ 15% on Y | | | | 232.48 |
| | Cost of each | | | | 1782.34 |
| | Add 1% labour cess | | | | 17.82 |
| | Cost of each | | | | 1800.16 |
| | Say | | **1800.20** | **Each** | |
| **17.7.5** | **White Vitreous China Angle back wash basin size 600x480 mm with single 15 mm C.P. brass pillar tap.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1949 | Vitreous china angle back wash basin 600x480 mm | each | 1.00 | 674.77 | 674.77 |
| 1885 | 15 mm C.P. brass tap | each | 1.00 | 195.45 | 195.45 |
| 1951 | C.P. brass waste 32 mm | each | 1.00 | 74.46 | 74.46 |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 |
| 9999 | Red lead, white lead and gasket | L.S. | 16.12 | 1.80 | 29.02 |
| 9999 | Cement, sand and grit etc. L.S. 13.39 1.70 22.76 | L.S. | 13.39 | 1.80 | 24.10 |
| 9999 | Painting of brackets, fittings etc. | L.S. | 26.91 | 1.80 | 48.44 |
| 9999 | Carriage of materials | L.S. | 13.52 | 1.80 | 24.34 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.30 | 348.00 | 104.40 |
| 123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 |
| 114 | Beldar | day | 0.63 | 254.00 | 160.02 |
| | TOTAL | | | | 1508.35 |
| | Add Water Charges @ 1% | | | | 15.08 |
| | TOTAL | | | | 1523.43 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 214.04 |
| | Total | | | | 1737.48 (Y) |
| | Add CPOH @ 15% on Y | | | | 260.62 |
| | Cost of each | | | | 1998.10 |
| | Add 1% labour cess | | | | 19.98 |
| | Cost of each | | | | 2018.08 |
| | Say | | **2018.10** | **Each** | |
| **17.7.6** | **White Vitreous China Angle back wash basin size 400x400 mm with single 15 mm C.P. brass pillar tap.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1950 | Vitreous china angle back wash basin 400x400 mm | each | 1 | 395.56 | 395.56 |
| 1885 | 15 mm C.P. brass tap | each | 1 | 195.45 | 195.45 |
| 1951 | C.P. brass waste 32 mm | each | 1 | 74.45787 | 74.46 |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1 | 60.49702 | 60.50 |
| 9999 | Red lead, white lead and gasket | L.S. | 16.12 | 1.80 | 29.02 |
| 9999 | Cement, sand and grit etc. | L.S. | 13.39 | 1.80 | 24.10 |
| 9999 | Painting of brackets, fittings etc. | L.S. | 26.91 | 1.80 | 48.44 |
| 9999 | Carriage of materials | L.S. | 13.52 | 1.80 | 24.34 |
| | LABOUR: | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 116 | Fitter (grade 1) | day | 0.3 | 348.00 | 104.40 | |
| 123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 | |
| 114 | Beldar | day | 0.63 | 254.00 | 160.02 | |
| | TOTAL | | | | 1229.14 | |
| | Add Water Charges @ 1% | | | | 12.29 | |
| | TOTAL | | | | 1241.43 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 174.42 | |
| | Total | | | | 1415.85 | (Y) |
| | Add CPOH @ 15% on Y | | | | 212.38 | |
| | Cost of each | | | | 1628.23 | |
| | Add 1% labour cess | | | | 16.28 | |
| | Cost of each | | | | 1644.51 | |
| | Say | | **1644.50** | **Each** | | |
| **17.7.7** | **White Vitreous China Flat back wash basin size 450x300 mm with single 15 mm C.P. brass pillar tap.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7004 | Vitreous china flat back wash basin 450x300 mm | each | 1.00 | 302.49 | 302.49 | |
| 1885 | 15 mm C.P. brass tap | each | 1.00 | 195.45 | 195.45 | |
| 1951 | C.P. brass waste 32 mm | each | 1.00 | 74.46 | 74.46 | |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 | |
| 9999 | Red lead, white lead and gasket | L.S. | 16.12 | 1.80 | 29.02 | |
| 9999 | Cement, sand and grit etc. | L.S. | 13.39 | 1.80 | 24.10 | |
| 9999 | Painting of brackets, fittings etc. | L.S. | 26.91 | 1.80 | 48.44 | |
| 9999 | Carriage of materials | L.S. | 13.52 | 1.80 | 24.34 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.30 | 348.00 | 104.40 | |
| 123 | Mason (brick layer) 1st class | | 0.33 | 342.00 | 112.86 | |
| 114 | Beldar day | | 0.63 | 254.00 | 160.02 | |
| | TOTAL | | | | 1136.06 | |
| | Add Water Charges @ 1% | | | | 11.36 | |
| | TOTAL | | | | 1147.42 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 161.21 | |
| | Total | | | | 1308.64 | (Y) |
| | Add CPOH @ 15% on Y | | | | 196.30 | |
| | Cost of each | | | | 1504.93 | |
| | labour cess @1% | | | | 15.05 | |
| | Total | | | | 1519.98 | |
| | Say | | **1520.00** | **Each** | | |
| 17.7.8 | **White Vitreous China Surgeon type wash basin of size 660x460 mm with a pair of 15 mm C.P. brass pillar taps with elbow operated levers.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3213 | Vitreous china Surgeon type wash basin of size 660x460 mm | each | 1.00 | 930.72 | 930.72 | |
| 7363 | 15 mm C.P. brass tap with elbow operation lever | each | 2.00 | 418.83 | 837.65 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 1951 | C.P. brass waste 32 mm | each | 1.00 | 74.46 | 74.46 | |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 | |
| 9999 | Red lead, white lead and gasket | L.S | 16.12 | 1.80 | 29.02 | |
| 9999 | Cement, sand and grit etc. | L.S | 13.39 | 1.80 | 24.10 | |
| 9999 | Painting of brackets, fittings etc | L.S | 26.91 | 1.80 | 48.44 | |
| 9999 | Carriage of materials | L.S | 13.52 | 1.80 | 24.34 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 | |
| 114 | Beldar | day | 0.67 | 254.00 | 170.18 | |
| | TOTAL | | | | 2427.10 | |
| | Add Water Charges @ 1% | | | | 24.27 | |
| | TOTAL | | | | 2451.37 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 344.42 | |
| | Total | | | | 2795.79 | (Y) |
| | Add CPOH @ 15% | | | | 419.37 | |
| | Cost of each | | | | 3215.16 | |
| | labour cess @1% | | | | 32.15 | |
| | | | | | 3247.31 | |
| | Say | | **3247.30** | **Each** | | |
| **17.7.9** | **White Vitreous China Surgeon type wash basin of size 660x460 mm with single 15 mm CP. brass pillar taps with elbow operated levers ISI marked.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3213 | Vitreous china Surgeon type wash basin of size 660x460 mm | each | 1.00 | 930.72 | 930.72 | |
| 7363 | 15 mm C.P. brass tap with elbow operation lever | each | 1.00 | 418.83 | 418.83 | |
| 1951 | C.P. brass waste 32 mm | each | 1.00 | 74.46 | 74.46 | |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 | |
| 9999 | Red lead, white lead and gasket | L.S | 16.12 | 1.80 | 29.02 | |
| 9999 | Cement, sand and grit etc. | L.S | 13.39 | 1.80 | 24.10 | |
| 9999 | Painting of brackets, fittings etc. | L.S | 26.91 | 1.80 | 48.44 | |
| 9999 | Carriage of materials | L.S | 13.52 | 1.80 | 24.34 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.30 | 348.00 | 104.40 | |
| 123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 | |
| 114 | Beldar | day | 0.63 | 254.00 | 160.02 | |
| | TOTAL | | | | 1987.68 | |
| | Add Water Charges @ 1% | | | | 19.88 | |
| | TOTAL | | | | 2007.55 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 282.06 | |
| | Total | | | | 2289.61 | (Y) |
| | Add CPOH @ 15% | | | | 343.44 | |
| | Cost of each | | | | 2633.06 | |
| | labour cess @1% | | | | 26.33 | |
| | | | | | 2659.39 | |
| | Say | | **2659.40** | **Each** | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **17.7.10** | **Stainless Steel AISI-304(18/8) Round basin 405x355 mm with single 15 mm C.P.brass pillar tap.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7806 | Salem Stainless steel AISI - 304 (18/8) Round basin 405mm X 355 mm | each | 1.00 | 1396.09 | 1396.09 |
| 1885 | 15 mm C.P. brass tap | each | 1.00 | 195.45 | 195.45 |
| 1951 | C.P. brass waste 32 mm | each | 1.00 | 74.46 | 74.46 |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 |
| 9999 | Red lead, white lead and gasket | L.S | 16.12 | 1.80 | 29.02 |
| 9999 | Cement, sand and grit etc. | L.S | 13.39 | 1.80 | 24.10 |
| 9999 | Painting of brackets, fittings etc. | L.S | 26.91 | 1.80 | 48.44 |
| 9999 | Carriage of materials | L.S | 13.52 | 1.80 | 24.34 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.30 | 348.00 | 104.40 |
| 123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 |
| 114 | Beldar | day | 0.63 | 254.00 | 160.02 |
| | TOTAL | | | | 2229.66 |
| | Add Water Charges @ 1% | | | | 22.30 |
| | TOTAL | | | | 2251.96 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 316.40 |
| | Total | | | | 2568.36 (Y) |
| | Add CPOH @ 15% on Y | | | | 385.25 |
| | Cost of each | | | | 2953.62 |
| | labour cess @1% | | | | 29.54 |
| | | | | | 2983.15 |
| | Say | | **2983.20** | **Each** | |
| **17.7.11** | **Stainless Steel AISI-304(18/8) Wash basin 530x345 mm with single 15 mm C.P. brass pillar tap.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7807 | Salem Stainless steel AISI - 304 (18/8) each 1.00 1650.00 1650.00 Wash basin 530mm X 345 mm | each | 1.00 | 1396.09 | 1396.09 |
| 1885 | 15 mm C.P. brass tap | each | 1.00 | 195.45 | 195.45 |
| 1951 | C.P. brass waste 32 mm | each | 1.00 | 74.46 | 74.46 |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 |
| 9999 | Red lead, white lead and gasket | L.S | 16.12 | 1.80 | 29.02 |
| 9999 | Cement, sand and grit etc. | L.S | 13.39 | 1.80 | 24.10 |
| 9999 | Painting of brackets, fittings etc | L.S | 26.91 | 1.80 | 48.44 |
| 9999 | Carriage of materials | L.S | 13.52 | 1.80 | 24.34 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.30 | 348.00 | 104.40 |
| 123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 |
| 114 | Beldar | day | 0.63 | 254.00 | 160.02 |
| | TOTAL | | | | 2229.66 |
| | Add Water Charges @ 1% | | | | 22.30 |
| | TOTAL | | | | 2251.96 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 316.40 |
| | Total | | | | 2568.36 (Y) |
| | Add CPOH @ 15% on Y | | | | 385.25 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost of each | | | | 2953.62 |
| | labour cess @1% | | | | 29.54 |
| | | | | | 2983.15 |
| | Say | | **2983.20** | **Each** | |

17.7 A **Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:-**

**(a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for 1 no. | | | | |
| | MATERIAL | | | | |
| 3229 | Vitreous china flat back wash basin 550x400 mm | each | 1.00 | 511.90 | 511.90 |
| 9001 | C.P. Brass Centre Hole Basin Mixer With Cast Spout ( Kigston/Marc/Prima/ Parko/ Hindware) | each | 1.00 | 1116.87 | 1116.87 |
| 1951 | C.P. brass waste 32 mm | each | 1.00 | 74.46 | 74.46 |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 |
| 9999 | Red lead, white lead and gaskit | L.S. | 16.12 | 1.80 | 29.02 |
| 9999 | Cement, Sand and grit etc. | L.S. | 13.39 | 1.80 | 24.10 |
| 9999 | Painting of brackets, fittings etc. | L.S. | 26.91 | 1.80 | 48.44 |
| 9977 | Carriage of materials | L.S. | 13.52 | 1.80 | 24.34 |
| | LABOUR | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 |
| 123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 |
| 114 | Beldar | day | 0.63 | 254.00 | 160.02 |
| | TOTAL | | | | 2277.33 |
| | Add 1 % Water charges | | | | 22.77 |
| | TOTAL | | | | 2300.11 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 323.16 |
| | Total | | | | 2623.27 (Y) |
| | Add 15 % Contractor's profit and overheads on Y | | | | 393.49 |
| | Cost of each | | | | 3016.76 |
| | labour cess @1% | | | | 30.17 |
| | | | | | 3046.93 |
| | Say | | **3046.90** | **Each** | |

**17.7 B Providing and fixing wash basin with C.I. brackets, 15 mm PTMT pillar cock, 32 mm PTMT waste coupling of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required. White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm PTMT pillar cock.**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for 1 No. | | | | |
| | MATERIAL | | | | |
| 3229 | Vitreous china flat back wash basin 550x400 mm | each | 1.00 | 511.90 | 511.90 |
| 7406 | PTMT pillar cock | each | 1.00 | 120.06 | 120.06 |
| 7491 | PTMT - Waste Coupling 31/32 mm | each | 1.00 | 33.51 | 33.51 |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 |
| 9999 | Red Lead, White Lead and Gasket | L.S. | 16.12 | 1.80 | 29.02 |
| 9999 | Cement, sand and grit etc | L.S. | 13.39 | 1.80 | 24.10 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Painting of brackets, fittings etc. | L.S. | 26.91 | 1.80 | 48.44 | |
| 9977 | Carriage of materials | L.S. | 13.52 | 1.80 | 24.34 | |
| | LABOUR | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 | |
| 114 | Beldar | day | 0.67 | 254.00 | 170.18 | |
| | TOTAL | | | | 1249.74 | |
| | Add 1 % Water charges | | | | 12.50 | |
| | TOTAL | | | | 1262.23 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 177.34 | |
| | Total | | | | 1439.58 | (Y) |
| | Add 15 % Contractor's profit and overheads | | | | 215.94 | |
| | Cost of each | | | | 1655.51 | |
| | labour cess @1% | | | | 16.56 | |
| | | | | | 1672.07 | |
| | Say | | **1672.10** | **Each** | | |
| **17.8** | **Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.** | | | | | |
| | Details of cost for one pedestal. | | | | | |
| | MATERIAL: | | | | | |
| 1396 | Vitreous china pedestal for wash basin | each | 1.00 | 651.51 | 651.51 | |
| 9999 | White cement mortar | L.S. | 40.30 | 1.80 | 72.54 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 40.43 | 1.80 | 72.77 | |
| | TOTAL | | | | 796.82 | |
| | Add Water Charges @ 1% | | | | **7.97** | |
| | TOTAL | | | | 804.79 | |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 113.07 | |
| | Total | | | | 917.86 | (Y) |
| | Add CPOH @ 15% | | | | 137.68 | |
| | Cost of each | | | | 1055.54 | |
| | labour cess @1% | | | | 10.56 | |
| | | | | | 1066.10 | |
| | Say | | **1066.10** | **Each** | | |
| **17.9** | **Providing and fixing kitchen sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste complete, including painting the fittings and brackets,cutting and making good the walls wherever required.** | | | | | |
| **17.9.1** | **White glazed fire clay kitchen sink of size 600x450 x250 mm.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1863 | Fire clay kitchen sink: 600x450x250 mm | each | 1.00 | 1209.94 | 1209.94 | |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 | |
| 1315 | C.P.brass chain with 40 mm dia rubber plug | each | 1.00 | 37.23 | 37.23 | |
| 1952 | C.P. brass waste 40 mm | each | 1.00 | 88.42 | 88.42 | |
| 9999 | Red lead, white lead and gasket | L.S | 16.12 | 1.80 | 29.02 | |
| 9999 | Cement, sand and grit etc. | L.S | 13.39 | 1.80 | 24.10 | |
| 9999 | Painting of brackets etc. | L.S | 26.91 | 1.80 | 48.44 | |
| 9999 | Carriage of materials | L.S | 13.52 | 1.80 | 24.34 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.22 | 348.00 | 76.56 | |
| 123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 | |
| 114 | Beldar | day | 0.56 | 254.00 | 142.24 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 1853.64 | |
| | Add Water Charges @ 1% | | | | 18.54 | |
| | TOTAL | | | | 1872.17 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 263.04 | |
| | Total | | | | 2135.21 | (Y) |
| | Add CPOH @ 15% on Y | | | | 320.28 | |
| | Cost of each | | | | 2455.50 | |
| | labour cess @1% | | | | 24.55 | |
| | | | | | 2480.05 | |
| | **Say** | | **2480.10** | **Each** | | |

**17.10 Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required.**

**17.10.1 Kitchen sink with drain board.**

**17.10.1.1 510x1040 mm bowl depth 250 mm.**

Details of cost for one no.

MATERIAL:

| | | | | | |
|---|---|---|---|---|---|
| 7095 | Stainless steel kitchen sink - with drain board bowl depth 250 mm | each | 1.00 | 2419.88 | 2419.88 |
| 1309 | C.I. bracket for wash basin and sinks | pair | 2.00 | 60.50 | 120.99 |
| 9999 | Cement, sand and grit etc. | L.S | 27.04 | 1.80 | 48.67 |
| 9999 | Painting of brackets etc. | L.S | 26.91 | 1.80 | 48.44 |
| 9999 | Carriage of materials | L.S | 13.52 | 1.80 | 24.34 |

LABOUR:

| | | | | | |
|---|---|---|---|---|---|
| 116 | Fitter (grade 1) | day | 0.22 | 348.00 | 76.56 |
| 123 | Mason (brick layer) 1st class | day | 0.60 | 342.00 | 205.20 |
| 114 | Beldar | day | 0.82 | 254.00 | 208.28 |
| | TOTAL | | | | 3152.36 |
| | Add Water Charges @ 1% | | | | 31.52 |
| | TOTAL | | | | 3183.88 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 447.34 |
| | Total | | | | 3631.22 (Y) |
| | Add CPOH @ 15% on Y | | | | 544.68 |
| | Cost of each | | | | 4175.90 |
| | labour cess @1% | | | | 41.76 |
| | | | | | 4217.66 |
| | **Say** | | **4217.70** | **Each** | |

**17.10.1.2 510x1040 mm bowl depth 225 mm.**

Details of cost for one no.

MATERIAL:

| | | | | | |
|---|---|---|---|---|---|
| 7096 | Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 225 mm | each | 1 | 2187.20 | 2187.2 |
| 1309 | C.I. bracket for wash basin and sink | pair | 2 | 60.49702 | 120.994 |
| 9999 | Cement, sand and grit etc | L.S | 27.04 | 1.80 | 48.672 |
| 9999 | Painting of brackets | L.S | 26.91 | 1.80 | 48.438 |
| 9999 | Carriage of materials | L.S | 13.52 | 1.80 | 24.336 |

LABOUR:

| | | | | | |
|---|---|---|---|---|---|
| 116 | Fitter (grade 1) | day | 0.22 | 348.00 | 76.56 |
| 123 | Mason (brick layer) 1st class | day | 0.6 | 342.00 | 205.2 |
| 114 | Belda | day | 0.82 | 254.00 | 208.28 |
| | TOTAL | | | | 2919.68 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | 29.1968 | |
| | TOTAL | | | | 2948.877 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 414.32 | |
| | Total | | | | 3363.19 | (Y) |
| | Add CPOH @ 15% | | | | 504.4791 | |
| | Cost of each | | | | 3867.67 | |
| | labour cess @1% | | | | 38.67673 | |
| | | | | | 3906.35 | |
| | **Say** | | **3906.30** | **Each** | | |
| **17.10.1.3** | **510x1040 mm bowl depth 200 mm.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7097 | Stainless steel kitchen sink - with drain each 1.00 4250.00 4250.00 board 510 x 1040 mm bowl depth 200 mm | each | 1 | 2140.66 | 2140.66 | |
| 1309 | C.I. bracket for wash basin and sinks | pair | 2 | 60.49702 | 120.99 | |
| 9999 | Cement, sand and grit etc. | L.S | 27.04 | 1.80 | 48.67 | |
| 9999 | Painting brackets | L.S | 26.91 | 1.80 | 48.44 | |
| 9999 | Carriage of materials | L.S | 13.52 | 1.80 | 24.34 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.22 | 348.00 | 76.56 | |
| 0123 | Mason (brick layer) 1st class | day | 0.6 | 342.00 | 205.20 | |
| 0114 | Beldar | day | 0.82 | 254.00 | 208.28 | |
| | TOTAL | | | | 2873.14 | |
| | Add Water Charges @ 1% | | | | 28.73 | |
| | TOTAL | | | | 2901.88 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 407.71 | |
| | Total | | | | 3309.59 | (Y) |
| | Add CPOH @ 15% | | | | 496.44 | |
| | Cost of each | | | | 3806.03 | |
| | labour cess @1% | | | | 38.06 | |
| | Say | | | | **3844.10** | |
| 17.10.1.4 | **510x1040 mm bowl depth 178 mm.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7098 | Stainless steel kitchen sink - with drain board 510x1040 mm bowl depth 178 mm | each | 1.00 | 2094.13 | 2094.13 | |
| 1309 | C.I. bracket for wash basin and sinks | pair | 2.00 | 60.50 | 120.99 | |
| 9999 | Cement, sand and grit etc. | L.S | 27.04 | 1.80 | 48.67 | |
| 9999 | Painting brackets | L.S | 26.91 | 1.80 | 48.44 | |
| 9999 | Carriage of materials | L.S | 13.52 | 1.80 | 24.34 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.22 | 348.00 | 76.56 | |
| 0123 | Mason (brick layer) 1st class | day | 0.60 | 342.00 | 205.20 | |
| 0114 | Beldar | day | 0.82 | 254.00 | 208.28 | |
| | TOTAL | | | | 2826.61 | |
| | Add Water Charges @ 1% | | | | 28.27 | |
| | TOTAL | | | | 2854.87 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 401.11 | |
| | Total | | | | 3255.98 | (Y) |
| | Add CPOH @ 15% | | | | 488.40 | |
| | Cost of each | | | | 3744.38 | |
| | labour cess @1% | | | | 37.44 | |
| | Say | | | | 3781.80 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **17.10.2** | **Kitchen sink without drain board.** | | | | | |
| **17.10.2.1** | **610x510 mm bowl depth 200 mm.** | | | | | |
| | Details of cost for one no. | | | | | |
| | **MATERIAL:** | | | | | |
| 7101 | Stainless steel kitchen sink - without drain | each | 1.00 | 1396.09 | 1396.09 | |
| 1309 | board 610x510 mm bowl depth 200 mm | pair | 1.00 | 60.50 | 60.50 | |
| 9999 | C.I. bracket for wash basin and sinks | L.S | 13.52 | 1.80 | 24.34 | |
| 9999 | Cement, sand and grit etc. | L.S | 26.91 | 1.80 | 48.44 | |
| 9999 | Painting brackets | L.S | 13.52 | 1.80 | 24.34 | |
| | Carriage of materials | | | | | |
| 0116 | Fitter (grade 1) | day | 0.22 | 348.00 | 76.56 | |
| 0123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 | |
| 0114 | Beldar | day | 0.56 | 254.00 | 142.24 | |
| | TOTAL | | | | 1885.35 | |
| | Add Water Charges @ 1% | | | | 18.85 | |
| | TOTAL | | | | 1904.21 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 267.54 | |
| | Total | | | | 2171.75 | (Y) |
| | Add CPOH @ 15% | | | | 325.76 | |
| | Cost of each | | | | 2497.51 | |
| | labour cess @1% | | | | 24.98 | |
| | | | | | 2522.48 | |
| | **Say** | | | | **2547.50** | |
| **17.10.2.2** | **610x460 mm bowl depth 200 mm.** | | | | | |
| | Details of cost for one no. | | | | | |
| | **MATERIAL:** | | | | | |
| 7102 | Stainless steel kitchen sink - without drain board 610x460 mm bowl depth 200 mm | each | 1.00 | 1163.40 | 1163.40 | |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 | |
| 9999 | Cement, sand and grit etc. | L.S | 13.52 | 1.80 | 24.34 | |
| 9999 | Painting brackets L.S. | L.S | 26.91 | 1.80 | 48.44 | |
| 9999 | Carriage of materials L.S. | L.S | 13.52 | 1.80 | 24.34 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.22 | 348.00 | 76.56 | |
| 0123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 | |
| 0114 | Beldar | day | 0.56 | 254.00 | 142.24 | |
| | TOTAL | | | | 1652.67 | |
| | Add Water Charges @ 1% | | | | 16.53 | |
| | TOTAL | | | | 1669.20 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 234.52 | |
| | Total | | | | 1903.72 | (Y) |
| | Add CPOH @ 15% | | | | 285.56 | |
| | Cost of each | | | | 2189.28 | |
| | labour cess @1% | | | | 21.89 | |
| | Say | | | | **2211.20** | |
| ***17.10.2.3*** | **470x420 mm bowl depth 178 mm.** | | | | | |
| | **Details of cost for one no.** | | | | | |
| | **MATERIAL:** | | | | | |
| 7103 | Stainless steel kitchen sink - without drain board 470x420 mm bowl depth 178 mm | each | 1.00 | 1023.80 | 1023.80 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 1309 | C.I. bracket for wash basin and sinks pair | pair | 1.00 | 60.50 | 60.50 | |
| 9999 | Cement, sand and grit etc. L.S. | L.S | 13.52 | 1.80 | 24.34 | |
| 9999 | Painting brackets | L.S | 26.91 | 1.80 | 48.44 | |
| 9999 | Carriage of materials | L.S | 13.52 | 1.80 | 24.34 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.22 | 348.00 | 76.56 | |
| 0123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 | |
| 0114 | Beldar | day | 0.56 | 254.00 | 142.24 | |
| | TOTAL | | | | 1513.06 | |
| | Add Water Charges @ 1% | | | | 15.13 | |
| | TOTAL | | | | 1528.19 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 214.71 | |
| | Total | | | | 1742.90 | (Y) |
| | Add CPOH @ 15% | | | | 261.44 | |
| | Cost of each | | | | 2004.34 | |
| | labour cess @1% | | | | 20.04 | |
| | Say | | | | 2024.40 | |

**17.11 Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P.brass chain with rubber plug, 40 mm C.P brass waste and 40 mm C.P. brass trapwith necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required.**

**17.11.1 Size 450x300x150 mm.**

Details of cost for one no.

MATERIAL:

| | | | | | | |
|---|---|---|---|---|---|---|
| 1871 | White vitreous china laboratory sink 450x300x150 mm | each | 1.00 | 763.19 | 763.19 | |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 | |
| 1315 | C.P.brass chain with 40 mm dia rubber plug | each | 1.00 | 37.23 | 37.23 | |
| 1952 | C.P. brass waste 40 mm | each | 1.00 | 88.42 | 88.42 | |
| 1895 | C.P. brass trap 40 mm dia | each | 1.00 | 232.68 | 232.68 | |
| 3617 | C.P. Brass union 40mm dia | each | 1.00 | 181.49 | 181.49 | |
| 9999 | Red lead, white lead and gasket | L.S | 16.12 | 1.80 | 29.02 | |
| 9999 | Cement, sand and grit etc. | L.S | 13.39 | 1.80 | 24.10 | |
| 9999 | Sundries | L.S | 26.91 | 1.80 | 48.44 | |
| 9999 | Carriage of materials | L.S | 13.52 | 1.80 | 24.34 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.22 | 348.00 | 76.56 | |
| 0123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 | |
| 0114 | Beldar | day | 0.56 | 254.00 | 142.24 | |
| | TOTAL | | | | 1821.06 | |
| | Add Water Charges @ 1% | | | | 18.21 | |
| | TOTAL | | | | 1839.27 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 258.42 | |
| | Total | | | | 2097.69 | (Y) |
| | Add CPOH @ 15% | | | | 314.65 | |
| | Cost of each | | | | 2412.34 | |
| | labour cess @1% | | | | 24.12 | |
| | Say | | | | **2436.50** | |

**17.11.2 Size 600x450x200 mm.**

**Details of cost for one no.**

MATERIAL:

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 1872 | White vitreous china laboratory sink 600x450x200 mm | each | 1.00 | 1419.35 | 1419.35 | |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 | |
| 1315 | C.P.brass chain with 40 mm dia rubber plug | each | 1.00 | 37.23 | 37.23 | |
| 1952 | C.P. brass waste 40 mm | each | 1.00 | 88.42 | 88.42 | |
| 1895 | C.P. brass trap 40 mm dia | each | 1.00 | 232.68 | 232.68 | |
| 3617 | C.P. Brass union 40mm dia | each | 1.00 | 181.49 | 181.49 | |
| 9999 | Red lead, white lead and gasket | L.S | 16.12 | 1.80 | 29.02 | |
| 9999 | Cement, sand and grit etc. | L.S | 13.39 | 1.80 | 24.10 | |
| 9999 | Sundries | L.S | 26.91 | 1.80 | 48.44 | |
| 9999 | Carriage of materials | L.S | 13.52 | 1.80 | 24.34 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.22 | 348.00 | 76.56 | |
| 0123 | Mason (brick layer) 1st class | day | 0.33 | 342.00 | 112.86 | |
| 0114 | Beldar | day | 0.56 | 254.00 | 142.24 | |
| | TOTAL | | | | 2477.22 | |
| | Add Water Charges @ 1% | | | | 24.77 | |
| | TOTAL | | | | 2501.99 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 351.53 | |
| | Total | | | | 2853.52 | (Y) |
| | Add CPOH @ 15% | | | | 428.03 | |
| | Cost of each | | | | 3281.55 | |
| | labour cess @1% | | | | 32.82 | |
| | Say | | | | **3314.40** | |

**17.12 Providing and fixing draining board with C.I. brackets including painting of brackets, cutting and making good the walls wherever required.**

**17.12.1 White glazed fire clay draining board of size 600x450x25 mm.**

Details of cost for one no.

| | | | | | | |
|---|---|---|---|---|---|---|
| | MATERIAL: | | | | | |
| 7364 | White glazed fire clay draining board 600x450x25 mm | each | 1.00 | 418.83 | 418.83 | |
| 1309 | C.I. bracket for wash basin and sinks | pair | 1.00 | 60.50 | 60.50 | |
| 9999 | Cement, sand and grit etc. | L.S | 13.39 | 1.80 | 24.10 | |
| 9999 | Painting brackets | L.S | 26.00 | 1.80 | 46.80 | |
| 9999 | Carriage of materials | L.S | 7.80 | 1.80 | 14.04 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.06 | 348.00 | 20.88 | |
| 0123 | Mason (brick layer) 1st class | day | 0.17 | 342.00 | 58.14 | |
| 0114 | Beldar | day | 0.22 | 254.00 | 55.88 | |
| | TOTAL | | | | 699.16 | |
| | Add Water Charges @ 1% | | | | 6.99 | |
| | TOTAL | | | | 706.16 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 99.21 | |
| | Total | | | | 805.37 | (Y) |
| | Add CPOH @ 15% | | | | 120.81 | |
| | Cost of each | | | | 926.18 | |
| | labour cess @1% | | | | 9.26 | |
| | Say | | | | 935.40 | |

**17.13 Providing and fixing white vitreous china water closet squatting pan (Indian type).**

**17.13.1 Long pattern W.C. pan of size 580 mm.**

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | **Details of cost for one no.** | | | | | |
| | MATERIAL: | | | | | |
| 1953 | Vitreous china Indian type W.C. pan size 580 mm | each | 1.00 | 418.83 | 418.83 | |
| 9999 | Cement, sand and grit etc. | L.S. | 13.39 | 1.80 | 24.10 | |
| 9999 | Carriage of materials | L.S. | 13.52 | 1.80 | 24.34 | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1st class | day | 0.50 | 342.00 | 171.00 | |
| 0114 | Beldar | day | 0.50 | 254.00 | 127.00 | |
| | TOTAL | | | | 765.26 | |
| | Add Water Charges @ 1% | | | | 7.65 | |
| | TOTAL | | | | 772.92 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 108.59 | |
| | Total | | | | 881.51 | (Y) |
| | Add CPOH @ 15% | | | | 132.23 | |
| | Cost of each | | | | 1013.74 | |
| | labour cess @1% | | | | 10.14 | |
| | Say | | | | 1023.90 | |
| **17.13.2** | **Orissa pattern W.C. pan of size 580x440 mm.** | | | | | |
| | **Details of cost for one no.** | | | | | |
| | MATERIAL: | | | | | |
| 1954 | Vitreous china orrisa type W.C. pan size 580 mm | each | 1.00 | 725.96 | 725.96 | |
| 9999 | Cement, sand and grit etc. | L.S. | 13.39 | 1.80 | 24.10 | |
| 9999 | Carriage of materials | L.S. | 13.52 | 1.80 | 24.34 | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1st class | day | 0.50 | 342.00 | 171.00 | |
| 0114 | Beldar | day | 0.50 | 254.00 | 127.00 | |
| | TOTAL | | | | 1072.40 | |
| | Add Water Charges @ 1% | | | | 10.72 | |
| | TOTAL | | | | 1083.13 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 152.18 | |
| | Total | | | | 1235.31 | (Y) |
| | Add CPOH @ 15% | | | | 185.30 | |
| | Cost of each | | | | 1420.60 | |
| | labour cess @1% | | | | 14.21 | |
| | Say | | | | 1434.80 | |
| **17.14** | **Extra for using coloured W.C. pan instead of white W.C. pan.** | | | | | |
| **17.14.1** | **Orissa pattern W.C. pan 580x440 mm.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| | Difference in cost of | | | | | |
| 7104 | Coloured Orissa pattern W.C. pan 580x440 mm | each | 1.00 | 912.11 | 912.11 | |
| 1954 | Vitreous china orrisa type W.C. pan size 580 mm | each | -1.00 | 725.96 | -725.96 | |
| | TOTAL | | | | 186.14 | |
| | Add Water Charges @ 1% | | | | 1.86 | |
| | TOTAL | | | | 188.01 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 26.41 | |
| | Total | | | | 214.42 | (Y) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add CPOH @ 15% | | | | 32.16 |
| | Cost of each | | | | 246.58 |
| | labour cess @1% | | | | 2.47 |
| | Say | | | | 249.00 |

**17.15 Providing and fixing white vitreous china pedestal type (European type / wash down type) water closet pan.**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1955 | Vitreous china pedestal type water closet | each | 1.00 | 651.51 | 651.51 |
| 9999 | Cement, sand and grit etc. | L.S. | 13.39 | 1.80 | 24.10 |
| 9999 | Carriage of materials | L.S. | 13.52 | 1.80 | 24.34 |
| | LABOUR: | | | | |
| 0123 | Mason (brick layer) 1st class | day | 0.50 | 342.00 | 171.00 |
| 0114 | Beldar | day | 0.50 | 254.00 | 127.00 |
| | TOTAL | | | | 997.94 |
| | Add Water Charges @ 1% | | | | 9.98 |
| | TOTAL | | | | 1007.92 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 141.61 |
| | Total | | | | 1149.54 (Y) |
| | Add CPOH @ 15% | | | | 172.43 |
| | Cost of each | | | | 1321.97 |
| | labour cess @1% | | | | 13.22 |
| | Say | | | | 1335.20 |

**17.16 Extra for using coloured pedestal type WC pan (Euro pean type) with low level cistern of same colour instead of white vitreous china WC pan and cistern.**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for each | | | | |
| | MATERIAL: | | | | |
| 7105 | Coloured Pedestal type W.C. pan 580x440 mm (European type) | each | 1.00 | 837.65 | 837.65 |
| | Deduct | | | | |
| 1955 | Vitreous china pedestal type water closet | each | -1.00 | 651.51 | -651.51 |
| 7106 | Coloured Vitreous china 10 lit. low level cistern | each | 1.00 | 1023.80 | 1023.80 |
| | Deduct | | | | |
| 7005 | Vitreous china 10 litres low level cistern without fittings | each | -1.00 | 698.04 | -698.04 |
| | TOTAL | | | | 511.90 |
| | Add Water Charges @ 1% | | | | 5.12 |
| | TOTAL | | | | 517.02 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 72.64 |
| | Total | | | | 589.66 (Y) |
| | Add CPOH @ 15% | | | | 88.45 |
| | Cost of each | | | | 678.11 |
| | labour cess @1% | | | | 6.78 |
| | Say | | | | 684.90 |

**17.17 Providing and fixing a pair of white vitreous chin a foot rests of standard pattern for squatting pan water closet.**

**17.17.1 250x130x30 mm.**

Details of cost for 1 pair.

MATERIAL:

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 1363 | Vitreous china foot rests 250x130x30 mm | pair | 1.00 | 93.07 | 93.07 | |
| 9999 | Cement, sand including of materials | L.S. | 8.06 | 1.80 | 14.51 | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1st class | day | 0.06 | 342.00 | 20.52 | |
| | TOTAL | | | | 128.10 | |
| | Add Water Charges @ 1% | | | | 1.28 | |
| | TOTAL | | | | 129.38 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 18.18 | |
| | Total | | | | 147.56 | (Y) |
| | Add CPOH @ 15% | | | | 22.13 | |
| | Cost of each | | | | 169.69 | |
| | labour cess @1% | | | | 1.70 | |
| | Say | | | | 171.40 | |
| **17.17.2** | **250x125x25 mm.** | | | | | |
| | Details of cost for 1 pair. | | | | | |
| | MATERIAL: | | | | | |
| 1970 | Vitreous china foot rests 250x125x25 mm | pair | 1.00 | 93.07 | 93.07 | |
| 9999 | Cement, sand including of materials | L.S. | 8.06 | 1.80 | 14.51 | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1st class | day | 0.06 | 342.00 | 20.52 | |
| | TOTAL | | | | 128.10 | |
| | Add Water Charges @ 1% | | | | 1.28 | |
| | TOTAL | | | | 129.38 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 18.18 | |
| | Total | | | | 147.56 | (Y) |
| | Add CPOH @ 15% | | | | 22.13 | |
| | Cost of each | | | | 169.69 | |
| | labour cess @1% | | | | 1.70 | |
| | Say | | | | 171.40 | |
| **17.18** | **Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.** | | | | | |
| **17.18.1** | **10 litre capacity - White.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7358 | Flushing Cistern P.V.C. 10 litre capacity ( low level ) | each | 1.00 | 558.43 | 558.43 | |
| 9999 | Carriage of materials | L.S. | 5.20 | 1.80 | 9.36 | |
| | LABOUR: | | | | | |
| | (Considering 1 fitter and 1 beldar can fix 8 cisterns in one day) | | | | | |
| 0116 | Fitter (grade 1) | day | 0.13 | 348.00 | 43.50 | |
| 0114 | Beldar | day | 0.13 | 254.00 | 31.75 | |
| | TOTAL | | | | 643.04 | |
| | Add Water Charges @ 1% | | | | 6.43 | |
| | TOTAL | | | | 649.47 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 91.25 | |
| | Total | | | | 740.73 | (Y) |
| | Add CPOH @ 15% | | | | 111.11 | |
| | Cost of each | | | | 851.83 | |
| | labour cess @1% | | | | 8.52 | |
| | Say | | | | 860.40 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **17.18.2** | **10 litre capacity - coloured.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7123 | Coloured High density polyethylene / poly propylene 10 lit. (full flush) capacity controlled low level flushing cistern with fittings | each | 1.00 | 502.59 | 502.59 | |
| 9999 | Carriage of materials | L.S. | 7.02 | 1.80 | 12.64 | |
| | LABOUR: | | | | | |
| | (Considering 1 fitter and 1 beldar can fix 8 cisterns in one day) | | | | | |
| 0116 | Fitter (grade 1) | day | 0.13 | 348.00 | 43.50 | |
| 0114 | Beldar | day | 0.13 | 254.00 | 31.75 | |
| | TOTAL | | | | 590.48 | |
| | Add Water Charges @ 1% | | | | 5.90 | |
| | TOTAL | | | | 596.38 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 83.79 | |
| | Total | | | | 680.17 | (Y) |
| | Add CPOH @ 15% | | | | 102.03 | |
| | Cost of each | | | | 782.20 | |
| | labour cess @1% | | | | 7.82 | |
| | Say | | | | 790.00 | |
| **17.19** | **Providing and fixing controlled flush, low level cistern made of vitreous china with all fittings complete.** | | | | | |
| **17.19.1** | **10 litre (full flush) capacity-white.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7126 | White Vitreous china 10 litre (full flush) capacity | each | 1.00 | 744.58 | 744.58 | |
| 9999 | Carriage of materials | L.S. | 13.52 | 1.80 | 24.34 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.50 | 348.00 | 174.00 | |
| 0114 | Beldar | day | 0.50 | 254.00 | 127.00 | |
| | TOTAL | | | | 1069.91 | |
| | Add Water Charges @ 1% | | | | 10.70 | |
| | TOTAL | | | | 1080.61 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 151.83 | |
| | Total | | | | 1232.44 | (Y) |
| | Add CPOH @ 15% | | | | 184.87 | |
| | Cost of each | | | | 1417.31 | |
| | labour cess @1% | | | | 14.17 | |
| | Say | | | | 1431.50 | |
| **17.19.2** | **10 litre (full flush) capacity-coloured.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7127 | Coloured Vitreous china 10 litre (full flush) capacity | each | 1.00 | 1116.87 | 1116.87 | |
| 9999 | Carriage of materials | L.S. | 13.52 | 1.80 | 24.34 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.50 | 348.00 | 174.00 | |
| 0114 | Beldar | day | 0.50 | 254.00 | 127.00 | |
| | TOTAL | | | | 1442.20 | |
| | Add Water Charges @ 1% | | | | 14.42 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 1456.63 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 204.66 | |
| | Total | | | | 1661.28 | (Y) |
| | Add CPOH @ 15% | | | | 249.19 | |
| | Cost of each | | | | 1910.47 | |
| | labour cess @1% | | | | 19.10 | |
| | Say | | | | 1929.60 | |
| **17.20** | **Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete.** | | | | | |
| **17.20.1** | **White solid plastic seat with lid.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1875 | White plastic seat (solid) with lid C.P. brass hinges and rubber buffers | each | 1.00 | 307.14 | 307.14 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.39 | 1.80 | 24.10 | |
| | TOTAL | | | | 331.24 | |
| | Add Water Charges @ 1% | | | | 3.31 | |
| | TOTAL | | | | 334.55 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 47.00 | |
| | Total | | | | 381.56 | (Y) |
| | Add CPOH @ 15% | | | | 57.23 | |
| | Cost of each | | | | 438.79 | |
| | labour cess @1% | | | | 4.39 | |
| | Say | | | | 443.20 | |
| **17.20.2** | **Black solid plastic seat with lid.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1876 | Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers | each | 1.00 | 288.52 | 288.52 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.39 | 1.80 | 24.10 | |
| | TOTAL | | | | 312.63 | |
| | Add Water Charges @ 1% | | | | 3.13 | |
| | TOTAL | | | | 315.75 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 44.36 | |
| | Total | | | | 360.12 | (Y) |
| | Add CPOH @ 15% | | | | 54.02 | |
| | Cost of each | | | | 414.13 | |
| | labour cess @1% | | | | 4.14 | |
| | Say | | | | 418.30 | |
| **17.20.3** | **Cloured (other than black & white ) solid plastic seat with lid.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| | Difference in cost of | | | | | |
| 7107 | Coloured (other than black) solid P.V.C. seat in European W.C. pan | e ach | 1.00 | 376.94 | 376.94 | |
| 9999 | Carriage and fixing charges | L.S. | 13.39 | 1.80 | 24.10 | |
| | TOTAL | | | | 401.04 | |
| | Add Water Charges @ 1% | | | | 4.01 | |
| | TOTAL | | | | 405.06 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 56.91 |
| | Total | | | | 461.97 (Y) |
| | Add CPOH @ 15% | | | | 69.29 |
| | Cost of each | | | | 531.26 |
| | labour cess @1% | | | | 5.31 |
| | Say | | | | 536.60 |
| **17.22** | **Providing and fixing G.I. inlet connection for flush pipe connecting with W.C. pan. Details of cost for one no.** | | | | |
| | MATERIAL: | | | | |
| 1614 | G.I. inlet connection | each | 1.00 | 55.84 | 55.84 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.39 | 1.80 | 24.10 |
| | TOTAL | | | | 79.95 |
| | Add Water Charges @ 1% | | | | 0.80 |
| | TOTAL | | | | 80.74 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 11.34 |
| | Total | | | | 92.09 (Y) |
| | Add CPOH @ 15% | | | | 13.81 |
| | Cost of each | | | | 105.90 |
| | labour cess @1% | | | | 1.06 |
| | Say | | | | 107.00 |
| **17.23** | **Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1913 | Vitreous china lipped front urinal | each | 1.00 | 428.13 | 428.13 |
| 9999 | Carriage of materials | L.S. | 9.49 | 1.80 | 17.08 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.38 | 348.00 | 132.24 |
| 114 | Beldar day | day | 0.38 | 254.00 | 96.52 |
| | TOTAL | | | | 673.97 |
| | Add Water Charges @ 1% | | | | 6.74 |
| | TOTAL | | | | 680.71 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 95.64 |
| | Total | | | | 776.35 (Y) |
| | Add CPOH @ 15% | | | | 116.45 |
| | Cost of each | | | | 892.81 |
| | labour cess @1% | | | | 8.93 |
| | Say | | | | 901.70 |
| **17.24** | **Providing and fixing white vitreous china squatting plate urinal with integral longitudinal flush pipe.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1915 | Vitreous china squatting plate urinal | each | 1.00 | 980.05 | 980.05 |
| 9999 | Cement, sand and grit etc. | L.S. | 10.79 | 1.80 | 19.42 |
| 9999 | Carriage of materials | L.S. | 13.39 | 1.80 | 24.10 |
| | LABOUR: | | | | |
| 0116 | Fitter (grade 1) | day | 0.50 | 348.00 | 174.00 |
| 0123 | Mason (brick layer) 1st class | day | 0.50 | 342.00 | 171.00 |
| 0114 | Beldar | day | 1.00 | 254.00 | 254.00 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 1622.58 | |
| | Add Water Charges @ 1% | | | | 16.23 | |
| | TOTAL | | | | 1638.80 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 230.25 | |
| | Total | | | | 1869.05 | (Y) |
| | Add CPOH @ 15% | | | | 280.36 | |
| | Cost of each | | | | 2149.41 | |
| | labour cess @1% | | | | 21.49 | |
| | Say | | | | 2170.90 | |
| **17.25** | **Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings.** | | | | | |
| 17.25.1 | Flat back wash basin of size 630x450 mm. | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1947 | Vitreous china flat back wash basin 630x450 mm | each | 1 | 674.77 | 674.7745 | |
| 9999 | Fixing charges | L.S. | 53.82 | 1.80 | 96.88 | |
| 9999 | Carriage of materials | L.S. | 9.49 | 1.80 | 17.08 | |
| | TOTAL | | | | 788.73 | |
| | Add Water Charges @ 1% | | | | 7.89 | |
| | TOTAL | | | | 796.62 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 111.93 | |
| | Total | | | | 908.54 | (Y) |
| | Add CPOH @ 15% | | | | 136.28 | |
| | Cost of each | | | | 1044.83 | |
| | labour cess @1% | | | | 10.45 | |
| | Say | | | | 1055.30 | |
| **17.25.2** | **Flat back wash basin of size 550x400 mm.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3229 | Vitreous china flat back wash basin 550x400 mm | each | 1.00 | 511.90 | 511.90 | |
| 9999 | Fixing charges | L.S. | 53.82 | 1.80 | 96.88 | |
| 9999 | Carriage of materials | L.S. | 9.49 | 1.80 | 17.08 | |
| | TOTAL | | | | 625.86 | |
| | Add Water Charges @ 1% | | | | 6.26 | |
| | TOTAL | | | | 632.11 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 88.81 | |
| | Total | | | | 720.93 | (Y) |
| | Add CPOH @ 15% | | | | 108.14 | |
| | Cost of each | | | | 829.07 | |
| | labour cess @1% | | | | 8.29 | |
| | Say | | | | 837.40 | |
| **17.25.3** | **Angle back wash basin of size 600x480 mm.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1949 | Vitreous china angle back wash basin each 600x480 mm | each | 1.00 | 674.77 | 674.77 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Fixing charges | L.S. | 53.82 | 1.80 | 96.88 | |
| 9999 | Carriage of materials | L.S. | 9.49 | 1.80 | 17.08 | |
| | TOTAL | | | | 788.73 | |
| | Add Water Charges @ 1% | | | | 7.89 | |
| | TOTAL | | | | 796.62 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 111.93 | |
| | Total | | | | 908.54 | (Y) |
| | Add CPOH @ 15% | | | | 136.28 | |
| | Cost of each | | | | 1044.83 | |
| | labour cess @1% | | | | 10.45 | |
| | Say | | | | **1055.30** | |

**17.25.4 Angle back wash basin of size 400x400 mm.**

Details of cost for one no.
MATERIAL:

| | | | | | | |
|---|---|---|---|---|---|---|
| 1950 | Vitreous china angle back wash basin 400x400 mm | each | 1.00 | 395.56 | 395.56 | |
| 9999 | Fixing charges | L.S. | 53.82 | 1.80 | 96.88 | |
| 9999 | Carriage of materials | L.S. | 9.49 | 1.80 | 17.08 | |
| | TOTAL | | | | 509.52 | |
| | Add Water Charges @ 1% | | | | 5.10 | |
| | TOTAL | | | | 514.61 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 72.30 | |
| | Total | | | | 586.91 | (Y) |
| | Add CPOH @ 15% | | | | 88.04 | |
| | Cost of each | | | | 674.95 | |
| | labour cess @1% | | | | 6.75 | |
| | Say | | | | 681.70 | |

**17.25.5 Flat back wash basin of size 450x300 mm.**

Details of cost for one no.
MATERIAL:

| | | | | | | |
|---|---|---|---|---|---|---|
| 7004 | Vitreous china flat back wash basin each 450x300 mm | each | 1.00 | 302.49 | 302.49 | |
| 9999 | Fixing charges L.S. | L.S. | 53.82 | 1.80 | 96.88 | |
| 9999 | Carriage of materials L.S. | L.S. | 9.49 | 1.80 | 17.08 | |
| | TOTAL | | | | 416.44 | |
| | Add Water Charges @ 1% | | | | 4.16 | |
| | TOTAL | | | | 420.61 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 59.10 | |
| | Total | | | | 479.70 | (Y) |
| | Add CPOH @ 15% | | | | 71.96 | |
| | Cost of each | | | | 551.66 | |
| | labour cess @1% | | | | 5.52 | |
| | Say | | | | **557.20** | |

**17.25.6 Surgeon type wash basin of size 660x460 mm.**

Details of cost for one no.
MATERIAL:

| | | | | | | |
|---|---|---|---|---|---|---|
| 3213 | Vitreous china Surgeon type wash basin of size 660x460 mm | each | 1.00 | 930.72 | 930.72 | |
| 9999 | Fixing charges | L.S. | 53.82 | 1.80 | 96.88 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Carriage of materials | L.S. | 9.49 | 1.80 | 17.08 | |
| | TOTAL | | | | 1044.68 | |
| | Add Water Charges @ 1% | | | | 10.45 | |
| | TOTAL | | | | 1055.13 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 148.25 | |
| | Total | | | | 1203.37 | (Y) |
| | Add CPOH @ 15% | | | | 180.51 | |
| | Cost of each | | | | 1383.88 | |
| | labour cess @1% | | | | 13.84 | |
| | Say | | | | 1397.70 | |
| **17.26** | **Providing and fixing kitchen sink including making all connections excluding cost of fittings.** | | | | | |
| 17.26.1 | White glazed fire clay sink of size 600x450x250 mm. | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1863 | Fire clay kitchen sink: 600x450x250 mm | each | 1 | 1209.94 | 1209.94 | |
| 9999 | Fixing charges | L.S. | 40.43 | 1.8 | 72.77 | |
| 9999 | Carriage of materials | L.S. | 10.79 | 1.8 | 19.42 | |
| | TOTAL | | | | 1302.14 | |
| | Add Water Charges @ 1% | | | | 13.02 | |
| | TOTAL | | | | 1315.16 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 184.78 | |
| | Total | | | | 1499.94 | (Y) |
| | Add CPOH @ 15% | | | | 224.99 | |
| | Cost of each | | | | 1724.93 | |
| | labour cess @1% | | | | 17.25 | |
| | Say | | | | 1742.20 | |
| **17.27** | **Providing and fixing white vitreous china laboratory sink including making all connections excluding cost of fittings.** | | | | | |
| 17.27.1 | Size 450x300x150 mm. | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1871 | White vitreous china laboratory sink 450x300x150 mm | each | 1.00 | 763.19 | 763.19 | |
| 9999 | Fixing charges | L.S. | 40.43 | 1.80 | 72.77 | |
| 9999 | Carriage of materials | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 855.39 | |
| | Add Water Charges @ 1% | | | | 8.55 | |
| | TOTAL | | | | 863.94 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 121.38 | |
| | Total | | | | 985.33 | (Y) |
| | Add CPOH @ 15% | | | | 147.80 | |
| | Cost of each | | | | 1133.13 | |
| | labour cess @1% | | | | 11.33 | |
| | Say | | | | 1144.50 | |
| **17.27.2** | **Size 600x450x200 mm.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1872 | White vitreous china laboratory sink 600x450x200 mm | each | 1.00 | 1419.35 | 1419.35 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Fixing charges | L.S. | 40.43 | 1.80 | 72.77 | |
| 9999 | Carriage of materials | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 1511.55 | |
| | Add Water Charges @ 1% | | | | 15.12 | |
| | TOTAL | | | | 1526.66 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 214.50 | |
| | Total | | | | 1741.16 | (Y) |
| | Add CPOH @ 15% | | | | 261.17 | |
| | Cost of each | | | | 2002.34 | |
| | labour cess @1% | | | | 20.02 | |
| | Say | | | | 2022.40 | |
| **17.28** | **Providing and fixing P.V.C. waste pipe for sink or wash basin including PVC waste fittings complete..** | | | | | |
| 17.28.1 | Semi rigid pipe. | | | | | |
| 17.28.1.1 | 32 mm dia. | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7117 | Semi Rigid PVC waste pipe for sink and wash basin 32 mm dia with length not less than 700 mm i/c PVC waste fittings | each | 1.00 | 27.92 | 27.92 | |
| 9999 | Carriage of materiage and fixing charges | L.S. | 20.28 | 1.80 | 36.50 | |
| | TOTAL | | | | 64.43 | |
| | Add Water Charges @ 1% | | | | 0.64 | |
| | TOTAL | | | | 65.07 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 9.14 | |
| | Total | | | | 74.21 | (Y) |
| | Add CPOH @ 15% | | | | 11.13 | |
| | Cost of each | | | | 85.34 | |
| | labour cess @1% | | | | 0.85 | |
| | Say | | | | 86.20 | |
| **17.28.1.2** | **40 mm dia.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7118 | Semi Rigid PVC waste pipe for sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings | each | 1.00 | 32.58 | 32.58 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 20.28 | 1.80 | 36.50 | |
| | TOTAL | | | | 69.08 | |
| | Add Water Charges @ 1% | | | | 0.69 | |
| | TOTAL | | | | 69.77 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 9.80 | |
| | Total | | | | 79.57 | (Y) |
| | Add CPOH @ 15% | | | | 11.94 | |
| | Cost of each | | | | 91.51 | |
| | labour cess @1% | | | | 0.92 | |
| | Say | | | | 92.40 | |
| **17.28.2** | **Flexible pipe.** | | | | | |
| **17.28.2.1** | **32 mm dia.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7119 | Flexible (coil shaped) PVC waste pipe for | each | 1.00 | 26.06 | 26.06 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | sink and washbasin 32 mm dia with length not less than 700 mm i/c PVC waste fittings | | | | |
| 9999 | Carriage of materials and fixing charges | L.S. | 20.28 | 1.80 | 36.50 |
| | TOTAL | | | | 62.56 |
| | Add Water Charges @ 1% | | | | 0.63 |
| | TOTAL | | | | 63.19 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 8.88 |
| | Total | | | | 72.07 (Y) |
| | Add CPOH @ 15% | | | | 10.81 |
| | Cost of each | | | | 82.88 |
| | labour cess @1% | | | | 0.83 |
| | Say | | | | 83.70 |
| **17.28.2.2** | **40 mm dia.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7120 | Flexible (coil shaped) PVC waste pipe for each sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings | each | 1.00 | 27.92 | 27.92 |
| 9999 | Carriage of materials and fixing charges | L.S. | 20.28 | 1.80 | 36.50 |
| | TOTAL | | | | 64.43 |
| | Add Water Charges @ 1% | | | | 0.64 |
| | TOTAL | | | | 65.07 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 9.14 |
| | Total | | | | 74.21 (Y) |
| | Add CPOH @ 15% | | | | 11.13 |
| | Cost of each | | | | 85.34 |
| | labour cess @1% | | | | 0.85 |
| | Say | | | | 86.20 |
| **17.29** | **Providing and fixing 100 mm sand cast Iron grating for gully trap.** | | | | |
| | **Details of cost for one no.** | | | | |
| | **MATERIAL:** | | | | |
| 1369 | S.C.I. gully or nahani grating 100 mm dia | each | 1.00 | 16.75 | 16.75 |
| 9999 | Carriage of materials and fixing charges | L.S. | 4.16 | 1.80 | 7.49 |
| | TOTAL | | | | 24.24 |
| | Add Water Charges @ 1% | | | | 0.24 |
| | TOTAL | | | | 24.48 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 3.44 |
| | Total | | | | 27.92 (Y) |
| | Add CPOH @ 15% | | | | 4.19 |
| | Cost of each | | | | 32.11 |
| | labour cess @1% | | | | 0.32 |
| | Say | | | | 32.40 |
| **17.30** | **Providing and fixing in position 25 mm diameter mo squito proof coupling of approved municipal design.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1350 | Mosquito proof coupling of approved design | each | 1.00 | 27.92 | 27.92 |
| 9999 | Carriage of materials and fixing charges | L.S. | 1.82 | 1.80 | 3.28 |
| | TOTAL | | | | 31.20 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | 0.31 | |
| | TOTAL | | | | 31.51 | |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 4.43 | |
| | Total | | | | 35.94 | (Y) |
| | Add CPOH @ 15% | | | | 5.39 | |
| | Cost of each | | | | 41.33 | |
| | labour cess @1% | | | | 0.41 | |
| | Say | | | | 41.70 | |
| 17.31 | **Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1392 | Mirror of superior make glass 60x45 cm | each | 1 | 288.52 | 288.52 | |
| 7116 | Hard board 6 mm thick 600x450 mm | sqm | 0.27 | 111.69 | 3 0.16 | |
| 9.32 | Rate as per Item Number 9.32 of SH: Wood and PVC work | each | 4 | 20.30 | 81.20 | A |
| 588 | Chromium plated Brass screws 25 mm | 100 Nos | 4 | 176.84 | 7.07 | |
| 9999 | Carriage of materials | L.S. | 4.16 | 1.80 | 7.49 | |
| 9999 | Sundries | L.S. | 1.43 | 1.80 | 2.57 | |
| | LABOUR: | | | | | |
| 0112 | Carpenter 2nd class | day | 0.33 | 223.00 | 73.59 | |
| 0114 | Beldar | day | 0.33 | 254.00 | 83.82 | |
| | TOTAL | | | | 574.43 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 4.93 | |
| | TOTAL | | | | 579.36 | (X) |
| | Add GST 12% on "X"except on A ( multiplying | | | | 69.99 | |
| | Total | | | | 649.35 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 85.22 | |
| | Cost of each | | | | 734.57 | |
| | labour cess @1% | | | | 7.35 | |
| | **Say** | | | | **741.90** | |
| **17.32** | **Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6mm thick hard board backing.** | | | | | |
| 17.32.1 | Circular shape 450 mm dia. | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7112 | Circular shape 450 mm dia Mirror with Plastic moulded frame | each | 1 | 418.83 | 418.83 | |
| | Hard board 0.45x0.45 = 0.2025 sqm | | | | | |
| | Add wastage @ 10% = 0.0203 sqm | | | | | |
| | = 0.2228 sqm say 0.22sqm | | | | | |
| 7116 | Hard board 6 mm thick | sqm | 0.22 | 111.6868 | 24.57 | |
| 7048 | Rawl plug 50 mm (designation 10 nos) | each | 2 | 9.31 | 18.61 | |
| 0588 | Chromium plated Brass screws 25 mm and washers | 100 Nos | 2 | 176.8374 | 3.54 | |
| 9999 | Sundries | L.S | 1.43 | 1.80 | 2.57 | |
| 9999 | Carriage of materials | L.S | 4.16 | 1.80 | 7.49 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | LABOUR: | | | | |
| 0112 | Carpenter 2nd class | day | 0.33 | 223.00 | 73.59 |
| 0114 | Beldar | day | 0.33 | 254.00 | 83.82 |
| | TOTAL | | | | 633.02 |
| | Add Water Charges @ 1% | | | | 6.33 |
| | TOTAL | | | | 639.35 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 89.83 |
| | Total | | | | 729.18 (Y) |
| | Add CPOH @ 15% | | | | 109.38 |
| | Cost of each | | | | 838.56 |
| | labour cess @1% | | | | 8.39 |
| | Say | | | | **846.90** |
| **17.32.2** | **Rectangular shape 453x357 mm.** | | | | |
| | Details of cost for one no. | | | | |
| | **MATERIAL:** | | | | |
| 7113 | Rectangular shape 453x357 mm Mirror with Plastic moulded frame<br>Hard board 0.453x0.357 = 0.1617 sqm<br>Add wastage @ 10% = 0.0162 sqm<br>= 0.1779 sqm say 0.18 sqm | each | 1 | 279.22 | 279.22 |
| 7116 | Hard board 6 mm thick | sqm | 0.18 | 111.6868 | 20.10 |
| 7048 | Rawl plug 50 mm (designation 10 nos) | each | 4 | 9.31 | 37.23 |
| 0588 | Chromium plated Brass screws 25 mm and washers | 100Nos | 4 | 176.8374 | 7.07 |
| 9999 | Sundries | L.S | 1.43 | 1.80 | 2.57 |
| 9999 | Carriage of materials | L.S | 4.16 | 1.80 | 7.49 |
| | LABOUR: | | | | |
| 0112 | Carpenter 2nd class | day | 0.33 | 223.00 | 73.59 |
| 0114 | Beldar | day | 0.33 | 254.00 | 83.82 |
| | TOTAL | | | | 511.10 |
| | Add Water Charges @ 1% | | | | 5.11 |
| | TOTAL | | | | 516.21 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 72.53 |
| | Total | | | | 588.73 (Y) |
| | Add CPOH @ 15% | | | | 88.31 |
| | Cost of each | | | | 677.04 |
| | labour cess @1% | | | | 6.77 |
| | Say | | | | **683.80** |
| **17.32.3** | **Oval shape 450x350 mm (outer dimensions).** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7114 | Oval shape 450x350 mm (outer dimensions) Mirror with Plastic moulded frame<br>Hard board 0.45x0.35=0.1575 sqm<br>Add wastage @ 10% = 0.0158 sqm<br>= 0.1733 sqm say 0.17 sqm | each | 1 | 325.75 | 325.7532 |
| 7116 | Hard board 6 mm thick | sqm | 0.17 | 111.6868 | 18.99 |
| 7048 | Rawl plug 50 mm (designation 10 nos) | each | 4 | 9.31 | 37.23 |
| 588 | Chromium plated Brass screws 25 mm | 100 Nos | 4 | 176.8374 | 7.07 |
| 9999 | Sundries | L.S. | 1.43 | 1.80 | 2.57 |
| 9999 | Carriage of materials | L.S. | 4.16 | 1.80 | 7.49 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | LABOUR: | | | | |
| 112 | Carpenter 2nd class | day | 0.33 | 223.00 | 73.59 |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 |
| | TOTAL | | | | 556.51 |
| | Add Water Charges @ 1% | | | | 5.57 |
| | TOTAL | | | | 562.08 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 78.97 |
| | Total | | | | 641.05 (Y) |
| | Add CPOH @ 15% | | | | 96.16 |
| | Cost of each | | | | 737.21 |
| | labour cess @1% | | | | 7.37 |
| | Say | | | | **744.60** |

**17.32.4 Rectangular shape 1500x450 mm.**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7115 | Rectangular shape 1500x450 mm Mirror with Plastic moulded frame | each | 1 | 651.51 | 651.51 |
| | Hard board 1.50x0.45 = 0.675 sqm | | | | |
| | Add wastage @ 10% = 0.0675 sqm | | | | |
| | = 0.7425 sqm say 0.74sqm | | | | |
| 7116 | Hard board 6 mm thick | sqm | 0.74 | 111.69 | 82.65 |
| 7048 | Rawl plug 50 mm (designation 10 nos) | each | 6 | 9.31 | 55.84 |
| 588 | Chromium plated Brass screws 25 mm | 100 Nos | 6 | 176.8374 | 10.61 |
| **9999** | **Sundries** | **L.S.** | **1.43** | **1.80** | **2.57** |
| 9999 | Carriage of materials | L.S. | 4.16 | 1.80 | 7.49 |
| | LABOUR: | | | | 0.00 |
| 112 | Carpenter 2nd class | day | 0.33 | 223.00 | 73.59 |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 |
| | TOTAL | | | | 968.08 |
| | Add Water Charges @ 1% | | | | 9.68 |
| | TOTAL | | | | 977.76 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 137.38 |
| | Total | | | | 1115.14 (Y) |
| | Add CPOH @ 15% | | | | 167.27 |
| | Cost of each | | | | 1282.41 |
| | labour cess @1% | | | | 12.82 |
| | Say | | | | **1295.20** |

**17.33 Providing and fixing 600x120x5 mm glass shelf with edges round off on anodised aluminium angle frame with C.P. brass brackets and guard rail complete supported fixed with 40 mm long screws, rawl plugs etc., complete.**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for one no. | | | | |
| | **MATERIAL:** | | | | |
| 3228 | 600x120 mm glass shelf with anodised aluminium angle frame, C.P. brass brackets and guard rail of standard size | each | 1 | 232.68 | 232.68 |
| 7048 | Rawl plug 50 mm (designation 10 nos) | each | 2 | 9.31 | 18.61 |
| 586 | Chromium plated Brass screws 40 mm | 100 Nos | 4 | 288.52 | 11.54 |
| 9999 | Carriage of materials | L.S | 4.16 | 1.80 | 7.49 |
| | LABOUR: | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 0112 | Carpenter 2nd class day 0.25 361.00 90.25 | DAY | 0. 25 | 223.00 | 55.75 | |
| 0114 | Beldar | day | 0.25 | 254.00 | 63.50 | |
| | TOTAL | | | | 389.57 | |
| | Add Water Charges @ 1% | | | | 3.90 | |
| | TOTAL | | | | 393.47 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 55.28 | |
| | Total | | | | 448.75 | (Y) |
| | Add CPOH @ 15% | | | | 67.31 | |
| | Cost of each | | | | 516.07 | |
| | labour cess @1% | | | | 5.16 | |
| | Say | | | | **521.20** | |
| **17.34** | **Providing and fixing toilet paper holder.** | | | | | |
| **17.34.1** | **C.P. brass.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1889 | C.P. brass toilet paper holder of standard size Wooden cleats | Each | 1 | 172.18 | 172.18 | |
| 9.32 | Rate as per Item Number 9.32 of SH: Wood and PVC work | Each | 2 | 20.30 | 40.60 | A |
| 588 | Chromium plated Brass screws 25 mm | 100nos | 2 | 176.8374 | 3.54 | |
| 9999 | Carriage of materials | LS | 4.29 | 1.80 | 7.72 | |
| | MATERIAL: | | | | | |
| 0112 | Carpenter 2nd class | day | 0.12 | 223.00 | 26.76 | |
| 0114 | Beldar | | 0.12 | 254.00 | 30.48 | |
| | TOTAL | | | | 281.28 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 2.41 | |
| | TOTAL | | | | 283.69 | (X) |
| | Add GST 12% on "X" except on A( multiplying | | | | 34.15 | |
| | Total | | | | 317.84 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 41.59 | |
| | Cost of each | | | | 359.43 | |
| | labour cess @1% | | | | 3.59 | |
| | Say | | | | **363.00** | |
| **17.34.2** | **Vitreous china.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3749 | Vitreous china toilet paper holder of standard size Wooden cleats | each | 1.00 | 93.07 | 93.07 | |
| 9.32 | Rate as per Item Number 9.32 of SH: Wood and PVC work | each | 2.00 | 20.30 | 40.60 | A |
| 588 | Chromium plated Brass screws 25 mm | 100 Nos | 6.00 | 176.84 | 10.61 | |
| 9999 | Carriage of materials | L.S. | 4.29 | 1.80 | 7.72 | |
| | LABOUR: | | | | | |
| 112 | Carpenter 2nd class | day | 0.12 | 223.00 | 26.76 | |
| 114 | Beldar | day | 0.12 | 254.00 | 30.48 | |
| | TOTAL | | | | 209.24 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1.69 | |
| | TOTAL | | | | 210.93 | (X) |
| | Add GST 12% on "X"except on A ( multiplying | | | | 23.93 | |
| | Total | | | | 234.86 | (Y) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add CPOH @ 15% except on A i.e on | | | | 29.14 |
| | Cost of each | | | | 264.00 |
| | labour cess @1% | | | | 2.64 |
| | Say | | | | **266.60** |
| **17.35** | **Providing and fixing soil, waste and vent pipes.** | | | | |
| **17.35.1** | **100 mm dia.** | | | | |
| 17.35.1.1 | Sand cast iron S&S pipe as per IS: 1729. Details of cost for 17.37m (1.8mx10)-(9x0.07m) = 17.37 m | | | | |
| | MATERIAL: | | | | |
| 1617 | S.C. I. soil, waste and vent single socketed pipe 1.80 metres long: 100 mm dia | each | 10.5 | 1070.33 | **11238.49** |
| 9999 | Scaffolding | L.S. | 80.73 | 1.80 | **145.31** |
| 9999 | Carriage of materials | L.S. | 53.82 | 1.80 | **96.88** |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.42 | 348.00 | **146.16** |
| 100 | Bandhani | day | 0.21 | 270.00 | **56.70** |
| 114 | Beldar | day | 0.83 | 254.00 | **210.82** |
| | TOTAL | | | | **11894.36** |
| | Add Water Charges @ 1% | | | | **118.94** |
| | TOTAL | | | | **12013.30** (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1687.87 |
| | Total | | | | 13701.17 (Y) |
| | Add CPOH @ 15% | | | | **2055.18** |
| | Cost of 17.37 metre | | | | **15756.34** |
| | Cost of 1 metre | | | | **907.10** |
| | labour cess @1% | | | | **9.07** |
| | Say | | | | **916.20** |
| **17.35.1.2** | **Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989.** | | | | |
| | Details of cost for 16.87m (1.75mx10)-(9x0.07m) = 16.87m. | | | | |
| | MATERIAL: | | | | |
| 3620 | C.C.I. (spun) socketed soil, waste and vent pipe 1.80 metres long:100 mm dia | each | 10.5 | 1113.15 | 11688.02 |
| 9999 | Scaffolding | L.S. | 80.73 | 1.80 | 145.31 |
| 9999 | Carriage of materials | L.S. | 53.82 | 1.80 | 96.88 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.42 | 348.00 | 146.16 |
| 100 | Bandhani | day | 0.21 | 270.00 | 56.70 |
| 114 | Beldar | day | 0.83 | 254.00 | 210.82 |
| | TOTAL | | | | 12343.89 |
| | Add Water Charges @ 1% | | | | 123.44 |
| | TOTAL | | | | 12467.33 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1751.66 |
| | Total | | | | 14218.99 (Y) |
| | Add CPOH @ 15% | | | | 2132.85 |
| | Cost of 16.87 metre | | | | 16351.84 |
| | Cost of 1 metre | | | | 969.29 |
| | labour cess @1% | | | | 9.69 |
| | Say | | | | **979.00** |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **17.35.2** | **75 mm diameter.** | | | | |
| **17.35.2.1** | **Sand cast iron S&S pipe as per IS: 1729.** | | | | |
| | Details of cost for 17.42m (1.8mx10)-(9x0.065m)= 17.415 m say 17.42m. | | | | |
| | MATERIAL: | | | | |
| 1616 | S.C.I. soil, waste and vent single socketed pipe 1.80 metres long: 75 mm dia | each | 10.5 | 884.19 | 9283.966 |
| 9999 | Scaffolding | L.S. | 80.73 | 1.80 | 145.314 |
| 9999 | Carriage of materials | L.S. | 40.38 | 1.80 | 72.684 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.35 | 348.00 | 121.8 |
| 100 | Bandhani | day | 0.17 | 270.00 | 45.9 |
| 114 | Beldar | day | 0.7 | 254.00 | 177.8 |
| | TOTAL | | | | 9847.464 |
| | Add Water Charges @ 1% | | | | 98.47464 |
| | TOTAL | | | | 9945.939 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1397.40 |
| | Total | | | | 11343.34 (Y) |
| | Add CPOH @ 15% | | | | 1701.50 |
| | Cost of 17.42 metre | | | | 13044.84 |
| | Cost of 1 metre | | | | 748.843 |
| | labour cess @1% | | | | 7.48843 |
| | Say | | | | **756.30** |
| **17.35.2.2** | **Centrifugally cast (spun) iron socketed pipe as per IS: 3989.** | | | | |
| | Details of cost for 16.92m (1.75mx10)-(9x0.065m) = 16.915 m say 16.92 m. | | | | |
| | MATERIAL: | | | | |
| 3621 | C.C.I. (spun) socketed soil, waste and vent pipe 1.80 metres long:75 mm dia including 5% allowance for wastage | each | 10.50 | 963.30 | 10867.50 |
| 9999 | Scaffolding | L.S. | 80.73 | 1.80 | 145.31 |
| 9999 | Carriage of materials | L.S. | 40.38 | 1.80 | 72.68 |
| | LABOUR: | | | | |
| 0116 | Fitter (grade 1) | day | 0.35 | 348.00 | 121.80 |
| 0100 | Bandhani | day | 0.17 | 270.00 | 45.90 |
| 0114 | Beldar | day | 0.70 | 254.00 | 177.80 |
| | TOTAL | | | | 11474.60 |
| | Add Water Charges @ 1% | | | | 114.75 |
| | TOTAL | | | | 11589.35 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1628.30 |
| | Total | | | | 13217.65 (Y) |
| | Add CPOH @ 15% | | | | 1982.65 |
| | Cost of 16.92 metre | | | | 15200.30 |
| | Cost of 1 metre | | | | 898.36 |
| | labour cess @1% | | | | 8.98 |
| | Say | | | | **907.30** |
| **17.36** | **Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 ( 1 cement : 2 fine sand) in S.C.I. / C.I. Pipes.** | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **17.36.1** | **75 mm dia pipe.** | | | | |
| | Details of cost for 4 joints. | | | | |
| | MATERIAL: | | | | |
| 9999 | Cement mortar, spun yarn etc. | L.S. | 6.89 | 1.80 | 12.40 |
| | LABOUR: | | | | |
| 0116 | Fitter (grade 1) | day | 0.28 | 348.00 | 97.44 |
| 114 | Beldar | day | 0.28 | 254.00 | 71.12 |
| | TOTAL | | | | 180.96 |
| | Add Water Charges @ 1% | | | | 1.81 |
| | TOTAL | | | | 182.77 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 25.68 |
| | Total | | | | 208.45 (Y) |
| | Add CPOH @ 15% | | | | 31.27 |
| | Cost of 4 nos | | | | 239.72 |
| | Cost of each | | | | 59.93 |
| | labour cess @1% | | | | 0.60 |
| | Say | | | | **60.50** |
| **17.36.2** | **100 mm dia pipe.** | | | | |
| | Details of cost for 4 joints. | | | | |
| | MATERIAL: | | | | |
| 9999 | Cement mortar, spun yam etc. | L.S. | 8.06 | 1.80 | 14.51 |
| | LABOUR: | | | | |
| 0116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 |
| 0114 | Beldar | day | 0.33 | 254.00 | 83.82 |
| | TOTAL | | | | 213.17 |
| | Add Water Charges @ 1% | | | | 2.13 |
| | TOTAL | | | | 215.30 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 30.25 |
| | Total | | | | 245.55 (Y) |
| | Add CPOH @ 15% | | | | 36.83 |
| | Cost of 4 nos | | | | 282.38 |
| | Cost of each | | | | 70.60 |
| | labour cess @1% | | | | 0.71 |
| | Say | | | | **71.30** |
| **17.37** | **Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast Iron / Cast Iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone 20 mm nominal size), including cost of cutting holes and making good the wallsaggregate etc.** | | | | |
| **17.37.1** | **For 100 mm dia pipe.** | | | | |
| | Details of cost for 5 nos. | | | | |
| | MATERIAL: | | | | |
| 1331 | M.S.Holder bat clamp of approved design for 100 mm S.C.I. pipe | each | 5.00 | 18.61 | 93.07 |
| 9999 | Carriage of clamps | L.S. | 2.47 | 1.80 | 4.45 |
| | LABOUR: | | | | |
| 0116 | Fitter (grade 1) | day | 0.13 | 348.00 | 43.50 |
| 0124 | Mason (brick layer) 2nd class | day | 0.75 | 223.00 | 167.25 |
| 0114 | Beldar | day | 0.50 | 254.00 | 127.00 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Sundries | L.S. | 7.15 | 1.80 | 12.87 | |
| | C.C. Block 5x0.10x0x0.10= 0.005 cum | | | | | |
| 295 | Stone Aggregate (Single size) : 20 mm nominal size | cum | 0.00 | 556.33 | 1.84 | |
| 297 | Stone Aggregate (Single size) : 10 mm nominal size | cum | 0.00 | 620.42 | 0.68 | |
| 2202 | Carriage of stone aggregate below 40 mm nominal size | cum | 0.00 | 0.00 | 0.00 | |
| 982 | Coarse sand (zone III) | cum | 0.00 | 160.69 | 0.35 | |
| 2203 | Carriage of coarse sand | cum | 0.00 | 0.00 | 0.00 | |
| 367 | Portland Cement | tonne | 0.00 | 5474.00 | 8.76 | |
| 2209 | Carriage of cement | tonne | 0.00 | 0.00 | 0.00 | |
| 0114 | Beldar | day | 0.00 | 254.00 | 1.14 | |
| 0115 | Coolie | day | 0.00 | 265.00 | 0.85 | |
| 0101 | Bhisti | day | 0.00 | 277.00 | 0.39 | |
| 0123 | Mason (brick layer) 1st class | day | 0.00 | 342.00 | 0.10 | |
| 0124 | Mason (brick layer) 2nd class | day | 0.00 | 223.00 | 0.07 | |
| 0128 | Mate | day | 0.00 | 270.00 | 0.05 | |
| 9999 | Hire charges of machine etc. | L.S. | 0.26 | 1.80 | 0.47 | |
| 9999 | Sundries | L.S. | 0.13 | 1.80 | 0.23 | |
| 9999 | Sundries | L.S. | 0.13 | 1.80 | 0.23 | |
| | TOTAL | | | | 463.31 | |
| | Add Water Charges @ 1% | | | | 4.63 | |
| | TOTAL | | | | 467.94 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 65.75 | |
| | Total | | | | 533.69 | (Y) |
| | Add CPOH @ 15% | | | | 80.05 | |
| | Cost of 5 nos | | | | 613.74 | |
| | Cost of each | | | | 122.75 | |
| | labour cess @1% | | | | 1.23 | |
| | Say | | | | **124.00** | |
| **17.37.2** | **For 75 mm dia pipe.** | | | | | |
| | Details of cost for 5 nos. | | | | | |
| | MATERIAL: | | | | | |
| 1332 | M.S.Holder bat clamp of approved design for75 mm S.C.I. pipe | each | 5.00 | 16.75 | 83.77 | |
| 9999 | Carriage of bat clamps | L.S. | 2.47 | 1.80 | 4.45 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.13 | 348.00 | 43.50 | |
| 0124 | Mason (brick layer) 2nd class | day | 0.75 | 223.00 | 167.25 | |
| 0114 | Beldar | day | 0.50 | 254.00 | 127.00 | |
| 9999 | Sundries | L.S. | 7.15 | 1.80 | 12.87 | |
| | CC Block 5x0.10x0x0.10= 0.005 cum | | | | | |
| '0295 | Stone Aggregate (Single size) : 20 mm nominal size | cum | 0.00 | 556.33 | 1.84 | |
| 0297 | Stone Aggregate (Single size) : 10 mm nominal size | cum | 0.00 | 620.42 | 0.68 | |
| 2202 | Carriage of stone aggregate below 40 mm nominal size | cum | 0.00 | 0.00 | 0.00 | |
| 0982 | Coarse sand (zone III) | cum | 0.00 | 160.69 | 0.35 | |
| 2203 | Carriage of coarse sand | cum | 0.00 | 0.00 | 0.00 | |
| 0367 | Portland Cement | tonne | 0.00 | 5474.00 | 8.76 | |
| 2209 | Carriage of cement | tonne | 0.00 | 0.00 | 0.00 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 0114 | Beldar | day | 0.00 | 254.00 | 1.14 | |
| 0115 | Coolie | day | 0.00 | 265.00 | 0.85 | |
| 0101 | Bhisti | day | 0.00 | 277.00 | 0.39 | |
| 0123 | Mason (brick layer) 1st class | day | 0.00 | 342.00 | 0.10 | |
| 0124 | Mason (brick layer) 2nd class | day | 0.00 | 223.00 | 0.07 | |
| 0128 | Mate | day | 0.00 | 270.00 | 0.05 | |
| 9999 | Hire charges of machine etc. | L.S. | 0.26 | 1.80 | 0.47 | |
| 9999 | Sundries | L.S. | 0.13 | 1.80 | 0.23 | |
| 9999 | Sundries | L.S. | 0.13 | 1.80 | 0.23 | |
| | TOTAL | | | | 454.00 | |
| | Add Water Charges @ 1% | | | | 4.54 | |
| | TOTAL | | | | 458.54 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 64.42 | |
| | Total | | | | 522.96 | (Y) |
| | Add CPOH @ 15% | | | | 78.44 | |
| | Cost of 5 nos | | | | 601.41 | |
| | Cost of each | | | | 120.28 | |
| | labour cess @1% | | | | 1.20 | |
| | Say | | | | **121.50** | |
| **17.38** | **Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.** | | | | | |
| 17.38.1 | 100 mm dia. | | | | | |
| 17.38.1.1 | Sand cast iron S&S as per IS - 1729. | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1625 | S.C.I. bend with access door 100 mm dia including cost of bolts and nuts | each | 1 | 234.54 | 234.54 | |
| 1374 | Rubber insertions for 100 mm dia pipe joints | each | 1 | 16.75 | 16.75 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 275.63 | |
| | Add Water Charges @ 1% | | | | 2.76 | |
| | TOTAL | | | | 278.39 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 39.11 | |
| | Total | | | | 317.50 | (Y) |
| | Add CPOH @ 15% | | | | 47.63 | |
| | Cost of each | | | | 365.13 | |
| | labour cess @1% | | | | 3.65 | |
| | Say | | | | **368.80** | |
| **17.38.1.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3624 | S.C.I. S&S bends with access door 100 mm dia including cost of bolts and nuts | each | 1 | 269.91 | 269.91 | |
| 1374 | Rubber insertions for 100 mm dia pipe joints 3 mm thick | each | 1 | 16.75 | 16.75 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 311.00 | |
| | Add Water Charges @ 1% | | | | 3.11 | |
| | TOTAL | | | | 314.11 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 44.13 | |
| | Total | | | | 358.24 | (Y) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add CPOH @ 15% | | | | 53.74 | |
| | Cost of each | | | | 411.98 | |
| | labour cess @1% | | | | 4.12 | |
| | Say | | | | **416.10** | |
| **17.38.2** | **75 mm dia.** | | | | | |
| 17.38.2.1 | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1624 | S.C.I. bend with access door 75 mm dia including cost of bolts and nuts | each | 1 | 186.14 | **186.14** | |
| 1373 | Rubber insertions for 80 mm dia pipe joints 3 mm thick | each | 1 | 13.96 | **13.96** | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | **19.42** | |
| | TOTAL | | | | **219.53** | |
| | Add Water Charges @ 1% | | | | **2.20** | |
| | TOTAL | | | | **221.72** | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 31.15 | |
| | Total | | | | 252.87 | (Y) |
| | Add CPOH @ 15% | | | | **37.93** | |
| | Cost of each | | | | **290.81** | |
| | labour cess @1% | | | | **2.91** | |
| | Say | | | | **293.70** | |
| **17.38.2.2** | **Sand cast iron S&S as per IS- 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3625 | S.C.I. S&S bends with access door 75 mm dia including cost of bolts and nuts | each | 1 | 234.54 | 234.54 | |
| 1373 | Rubber insertions for 80 mm dia pipe joints 3 mm thick | each | 1 | 13.96085 | 13.96 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 267.93 | |
| | Add Water Charges @ 1% | | | | 2.68 | |
| | TOTAL | | | | 270.60 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 38.02 | |
| | Total | | | | 308.62 | (Y) |
| | Add CPOH @ 15% | | | | 46.29 | |
| | Cost of each | | | | 354.92 | |
| | labour cess @1% | | | | 3.55 | |
| | Say | | | | **358.50** | |
| **17.39** | **Providing and fixing plain bend of required degree.** | | | | | |
| **17.39.1** | **100 mm dia.** | | | | | |
| **17.39.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1621 | S.C.I. plain bend 100 mm dia | each | 1.00 | 325.75 | 325.75 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 350.09 | |
| | Add Water Charges @ 1% | | | | 3.50 | |
| | TOTAL | | | | 353.59 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 49.68 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Total | | | | 403.27 (Y) |
| | Add CPOH @ 15% | | | | 60.49 |
| | Cost of each | | | | 513.44 |
| | labour cess @1% | | | | 5.13 |
| | Say | | | | **518.60** |
| **17.39.1.2** | **Sand cast iron S&S as per IS : 3989.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3628 | S.C.I. S&S bend 100 mm dia | each | 1.00 | 246.64 | 246.64 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 270.98 |
| | Add Water Charges @ 1% | | | | 2.71 |
| | TOTAL | | | | 273.69 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 38.45 |
| | Total | | | | 312.14 (Y) |
| | Add CPOH @ 15% | | | | 46.82 |
| | Cost of each | | | | 358.96 |
| | labour cess @1% | | | | 3.59 |
| | Say | | | | **362.60** |
| **17.39.2** | **75 mm dia.** | | | | |
| **17.39.2.1** | **Sand cast iron S&S as per IS -1729.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1620 | S.C.I. plain bend 75 mm dia | each | 1.00 | 158.22 | 158.22 |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 |
| | TOTAL | | | | 177.64 |
| | Add Water Charges @ 1% | | | | 1.78 |
| | TOTAL | | | | 179.42 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 25.21 |
| | Total | | | | 204.63 (Y) |
| | Add CPOH @ 15% | | | | 30.69 |
| | Cost of each | | | | 235.32 |
| | labour cess @1% | | | | 2.35 |
| | Say | | | | **237.70** |
| **17.39.2.2** | **Sand cast iron S&S as per IS - 3989** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3629 | S.C.I. S&S bend 75 mm dia | each | 1.00 | 181.49 | 181.49 |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 |
| | TOTAL | | | | 200.91 |
| | Add Water Charges @ 1% | | | | 2.01 |
| | TOTAL | | | | 202.92 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 28.51 |
| | Total | | | | 231.43 (Y) |
| | Add CPOH @ 15% | | | | 34.71 |
| | Cost of each | | | | 266.15 |
| | labour cess @1% | | | | 2.66 |
| | Say | | | | **268.80** |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **17.40** | **Providing and fixing heel rest sanitary bend.** | | | | | |
| **17.40.1** | **100 mm dia.** | | | | | |
| **17.40.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1667 | Sand cast iron heel rest bend 100 mm dia | each | 1.00 | 232.68 | 232.68 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 257.02 | |
| | Add Water Charges @ 1% | | | | 2.57 | |
| | TOTAL | | | | 259.59 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 36.47 | |
| | Total | | | | 296.06 | (Y) |
| | Add CPOH @ 15% | | | | 44.41 | |
| | Cost of each | | | | 340.47 | |
| | labour cess @1% | | | | 3.40 | |
| | Say | | | | **343.90** | |
| **17.40.1.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3634 | S.C.I. S&S heel rest sanitary bend 100 mm dia | each | 1.00 | 275.49 | 275.49 | |
| | Code Description Unit Quantity Rate Amount | | | | | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 299.83 | |
| | Add Water Charges @ 1% | | | | 3.00 | |
| | TOTAL | | | | 302.83 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 42.55 | |
| | Total | | | | 345.38 | (Y) |
| | Add CPOH @ 15% | | | | 51.81 | |
| | Cost of each | | | | 397.18 | |
| | labour cess @1% | | | | 3.97 | |
| | Say | | | | **401.20** | |
| **17.40.2** | **75 mm dia.** | | | | | |
| **17.40.2.1** | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1666 | Sand cast iron heel rest bend 75 mm dia | each | 1.00 | 204.76 | 204.76 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 224.18 | |
| | Add Water Charges @ 1% | | | | 2.24 | |
| | TOTAL | | | | 226.42 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 31.81 | |
| | Total | | | | 258.24 | (Y) |
| | Add CPOH @ 15% | | | | 38.74 | |
| | Cost of each | | | | 296.97 | |
| | labour cess @1% | | | | 2.97 | |
| | Say | | | | 299.90 | |
| **17.40.2.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3635 | S.C.I. S&S heel rest sanitary bend 75 mm dia | each | 1.00 | 232.68 | 232.68 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 252.10 | |
| | Add Water Charges @ 1% | | | | 2.52 | |
| | TOTAL | | | | 254.62 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 35.77 | |
| | Total | | | | 290.40 | (Y) |
| | Add CPOH @ 15% | | | | 43.56 | |
| | Cost of each | | | | 333.96 | |
| | labour cess @1% | | | | 3.34 | |
| | Say | | | | **337.30** | |
| **17.41** | **Providing and fixing double equal junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete.** | | | | | |
| **17.41.1** | **100x100x100x100 mm.** | | | | | |
| **17.41.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1637 | S.C.I. double equal junctions 100x100x 100x100 mm dia with access door including cost of bolts and nuts | each | 1 | 511.90 | 511.90 | |
| 1374 | Rubber insertions for 100 mm dia pipe joints 3 mm thick | each | 1 | 16.75 | 16.75 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.39 | 1.80 | 24.10 | |
| | TOTAL | | | | 552.75 | |
| | Add Water Charges @ 1% | | | | 5.53 | |
| | TOTAL | | | | 558.28 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 78.44 | |
| | Total | | | | 636.72 | (Y) |
| | Add CPOH @ 15% | | | | 95.51 | |
| | Cost of each | | | | 732.23 | |
| | labour cess @1% | | | | 7.32 | |
| | Say | | | | **739.50** | |
| **17.41.1.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3654 | S.C.I. S&S double equal junctions with access door 100x100x100x100 mm including cost of bolts and nuts | each | 1.00 | 572.39 | 572.39 | |
| 1374 | Rubber insertions for 100 mm dia pipe joints 3 mm thick | each | 1.00 | 16.75 | 16.75 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.39 | 1.80 | 24.10 | |
| | TOTAL | | | | 613.25 | |
| | Add Water Charges @ 1% | | | | 6.13 | |
| | TOTAL | | | | 619.38 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 87.02 | |
| | Total | | | | 706.41 | (Y) |
| | Add CPOH @ 15% | | | | 105.96 | |
| | Cost of each | | | | 812.37 | |
| | labour cess @1% | | | | 8.12 | |
| | Say | | | | 820.50 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **17.41.2** | **75x75x75x75 mm.** | | | | |
| **17.41.2.1** | **Sand cast iron S&S as per IS - 1729.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1636 | S.C.I. double equal junctions 75x75x 75x75 mm dia with access door including cost of bolts and nuts | each | 1 | 395.56 | 395.56 |
| 1373 | Rubber insertions for 80 mm dia pipe joints 3 mm thick | each | 1 | 13.96 | 13.96 |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 |
| | TOTAL | | | | 428.94 |
| | Add Water Charges @ 1% | | | | 4.29 |
| | TOTAL | | | | 433.23 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 60.87 |
| | Total | | | | 494.10 (Y) |
| | Add CPOH @ 15% | | | | 74.11 |
| | Cost of each | | | | 568.21 |
| | labour cess @1% | | | | 5.68 |
| | Say | | | | **573.90** |
| 17.41.2.2 | **Sand cast iron S&S as per IS - 3989.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3655 | S.C.I. S&S double equal junctions with access door 75x75x75x75 mm including cost of bolts and nuts | each | 1 | 446.75 | 446.75 |
| 1373 | Rubber insertions for 80 mm dia pipe joints 3 mm thick | each | 1 | 13.96085 | 13.96 |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 |
| | TOTAL | | | | 480.13 |
| | Add Water Charges @ 1% | | | | 4.80 |
| | TOTAL | | | | 484.93 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 68.13 |
| | Total | | | | 553.06 (Y) |
| | Add CPOH @ 15% | | | | 82.96 |
| | Cost of each | | | | 636.02 |
| | labour cess @1% | | | | 6.36 |
| | Say | | | | **642.40** |
| **17.42** | **Providing and fixing double equal plain junction of required degree.** | | | | |
| **17.42.1** | **100x100x100x100 mm.** | | | | |
| **17.42.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1634 | S.C.I. plain double equal junctions 100x100x100x100 mm dia | each | 1 | 483.98 | 483.98 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 508.31 |
| | Add Water Charges @ 1% | | | | 5.08 |
| | TOTAL | | | | 513.40 |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 72.13 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Total | | | | 585.53 (Y) |
| | Add CPOH @ 15% | | | | 87.83 |
| | Cost of each | | | | 673.36 |
| | labour cess @1% | | | | 6.73 |
| | Say | | | | **680.10** |
| **17.42.1.2** | **Sand cast iron S&S as per IS - 3989.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3650 | S.C.I. S&S double equal junctions 100x100x100x100 mm | each | 1 | 577.05 | 577.05 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 601.38 |
| | Add Water Charges @ 1% | | | | 6.01 |
| | TOTAL | | | | 607.40 |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 85.34 |
| | Total | | | | 692.74 (Y) |
| | Add CPOH @ 15% | | | | 103.91 |
| | Cost of each | | | | 796.65 |
| | labour cess @1% | | | | 7.97 |
| | Say | | | | **804.60** |
| **17.42.2** | **75x75x75x75 mm.** | | | | |
| **17.42.2.1** | **Sand cast iron S&S as per IS - 1729.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1633 | S.C.I. plain double equal junctions 75x75x 75x75 mm dia | each | 1 | 322.03 | 322.0303 |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 |
| | TOTAL | | | | 341.45 |
| | Add Water Charges @ 1% | | | | 3.41 |
| | TOTAL | | | | 344.87 |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 48.45 |
| | Total | | | | 393.32 (Y) |
| | Add CPOH @ 15% | | | | 59.00 |
| | Cost of each | | | | 452.32 |
| | labour cess @1% | | | | 4.52 |
| | Say | | | | **456.80** |
| **17.42.2.2** | **Sand cast iron S&S as per IS - 3989.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3651 | S.C.I. S&S double equal junctions 75x75x 75x75 mm | each | 1 | 429.99 | 429.99 |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 |
| | TOTAL | | | | 449.42 |
| | Add Water Charges @ 1% | | | | 4.49 |
| | TOTAL | | | | 453.91 |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 63.77 |
| | Total | | | | 517.68 (Y) |
| | Add CPOH @ 15% | | | | 77.65 |
| | Cost of each | | | | 595.34 |
| | labour cess @1% | | | | 5.95 |
| | Say | | | | **601.30** |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **17.43** | **Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete.** | | | | |
| **17.43.1** | **100x100x100 mm.** | | | | |
| **17.43.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1631 | S.C.I. single equal junctions 100x100x 100 mm dia with access door including cost of bolts and nuts | each | 1 | 349.95 | 349.95 |
| 1374 | Rubber insertions for 100 mm dia pipe joints 3 mm thick | each | 1 | 16.75302 | 16.75 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 391.04 |
| | Add Water Charges @ 1% | | | | 3.91 |
| | TOTAL | | | | 394.95 |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 55.49 |
| | Total | | | | 450.44 (Y) |
| | Add CPOH @ 15% | | | | 67.57 |
| | Cost of each | | | | 518.01 |
| | labour cess @1% | | | | 5.18 |
| | Say | | | | **523.20** |
| **17.43.1.2** | **Sand cast iron S&S as per IS - 3989.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3644 | S.C.I. S&S single equal junctions with access door 100x100x100 mm including cost of bolts and nuts | each | 1 | 460.71 | 460.71 |
| 1374 | Rubber insertions for 100 mm dia pipe joints 3 mm thick | each | 1 | 16.75302 | 16.75 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 501.80 |
| | Add Water Charges @ 1% | | | | 5.02 |
| | TOTAL | | | | 506.82 |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 71.21 |
| | Total | | | | 578.02 (Y) |
| | Add CPOH @ 15% | | | | 86.70 |
| | Cost of each | | | | 664.73 |
| | labour cess @1% | | | | 6.65 |
| | Say | | | | **671.40** |
| **17.43.2** | **75x75x75 mm.** | | | | |
| **17.43.2.1** | **Sand cast iron S&S as per IS - 1729.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1630 | S.C.I. single equal junctions 75x75x 75 mm dia with access door including cost of bolts and nuts | each | 1 | 258.74 | 258.74 |
| 1373 | Rubber insertions for 80 mm dia pipe joints 3 mm thick | each | 1 | 13.96 | 13.96 |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 |
| | TOTAL | | | | 292.12 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | 2.92 |
| | TOTAL | | | | 295.05 |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 41.45 |
| | Total | | | | 336.50 (Y) |
| | Add CPOH @ 15% | | | | 50.47 |
| | Cost of each | | | | 386.97 |
| | labour cess @1% | | | | 3.87 |
| | Say | | | | **390.80** |
| **17.43.2.2** | **Sand cast iron S&S as per IS - 3989.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3645 | S.C.I. S&S single equal junctions with access door 75x75x75 mm including cost of bolts and nuts | each | 1 | 347.16 | 347.16 |
| 1373 | Rubber insertions for 80 mm dia pipe joints 3 mm thick | each | 1 | 13.96 | 13.96 |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 |
| | TOTAL | | | | 380.54 |
| | Add Water Charges @ 1% | | | | 3.81 |
| | TOTAL | | | | 384.35 |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 54.00 |
| | Total | | | | 438.35 (Y) |
| | Add CPOH @ 15% | | | | 65.75 |
| | Cost of each | | | | 504.10 |
| | labour cess @1% | | | | 5.04 |
| | Say | | | | **509.10** |
| **17.44** | **Providing and fixing single equal plain junction of required degree.** | | | | |
| **17.44.1** | **100x100x100 mm.** | | | | |
| **17.44.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1628 | S.C.I. plain single equal junctions 100x 100x100 mm dia | each | 1 | 418.83 | 418.83 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 443.16 |
| | Add Water Charges @ 1% | | | | 4.43 |
| | TOTAL | | | | 447.59 |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 62.89 |
| | Total | | | | 510.48 (Y) |
| | Add CPOH @ 15% | | | | 76.57 |
| | Cost of each | | | | 587.05 |
| | labour cess @1% | | | | 5.87 |
| | **Say** | | | | **592.90** |
| **17.44.1.2** | **Sand cast iron S&S as per IS - 3989.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3640 | S.C.I. S&S single equal junctions 100x 100x100 mm | each | 1 | 439.30 | 439.30 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 463.64 |
| | Add Water Charges @ 1% | | | | 4.64 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 468.27 | |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 65.79 | |
| | Total | | | | 534.07 | (Y) |
| | Add CPOH @ 15% | | | | 80.11 | |
| | Cost of each | | | | 614.18 | |
| | labour cess @1% | | | | 6.14 | |
| | Say | | | | **620.30** | |
| **17.44.2** | **75x75x75 mm.** | | | | | |
| **17.44.2.1** | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1627 | S.C.I. plain single equal junctions 75x 75x75 mm dia | each | 1 | 246.64 | 246.64 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 266.06 | |
| | Add Water Charges @ 1% | | | | 2.66 | |
| | TOTAL | | | | 268.72 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 37.76 | |
| | Total | | | | 306.48 | (Y) |
| | Add CPOH @ 15% | | | | 45.97 | |
| | Cost of each | | | | 352.45 | |
| | labour cess @1% | | | | 3.52 | |
| | Say | | | | **356.00** | |
| **17.44.2.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3641 | S.C.I. S&S single equal junctions 75x 75x75 mm | each | 1 | 307.14 | 307.14 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 326.56 | |
| | Add Water Charges @ 1% | | | | 3.27 | |
| | TOTAL | | | | 329.83 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 46.34 | |
| | Total | | | | 376.17 | (Y) |
| | Add CPOH @ 15% | | | | 56.43 | |
| | Cost of each | | | | 432.59 | |
| | labour cess @1% | | | | 4.33 | |
| | Say | | | | **436.90** | |
| **17.45** | **Providing and fixing double unequal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.** | | | | | |
| **17.45.1** | **100x100x75x75 mm.** | | | | | |
| **17.45.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1662 | Sand cast iron S&S double unequal junctions: 100x100x75x75 mm dia with access door including cost of bolts and nuts | each | 1 | 511.90 | 511.8979 | |
| 1374 | Rubber insertions for 100 mm dia pipe joints 3 mm thick | each | 1 | 16.75302 | 16.75302 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 552.99 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | 5.53 | |
| | TOTAL | | | | 558.52 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 78.47 | |
| | Total | | | | 636.99 | (Y) |
| | Add CPOH @ 15% | | | | 95.55 | |
| | Cost of each | | | | 732.54 | |
| | labour cess @1% | | | | 7.33 | |
| | Say | | | | **739.90** | |
| **17.45.1.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3674 | S.C.I. S&S double unequal junctions with access door 100x100x75x75 mm including cost of bolts and nuts | each | 1 | 791.11 | 791.11 | |
| 1374 | Rubber insertions for 100 mm dia pipe joints 3 mm thick | each | 1 | 16.75302 | 16.75 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 832.20 | |
| | Add Water Charges @ 1% | | | | 8.32 | |
| | TOTAL | | | | 840.53 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 118.09 | |
| | Total | | | | 958.62 | (Y) |
| | Add CPOH @ 15% | | | | 143.79 | |
| | Cost of each | | | | 1102.41 | |
| | labour cess @1% | | | | 11.02 | |
| | Say | | | | **1113.40** | |
| **17.46** | **Providing and fixing double unequal plain junction of required degree.** | | | | | |
| **17.46.1** | **100x100x75x75 mm.** | | | | | |
| **17.46.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1659 | Sand cast iron S&S plain double unequal junctions: 100x100x75x75 mm dia | each | 1 | 511.90 | 511.90 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 536.23 | |
| | Add Water Charges @ 1% | | | | 5.36 | |
| | TOTAL | | | | 541.60 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 76.09 | |
| | Total | | | | 617.69 | (Y) |
| | Add CPOH @ 15% | | | | 92.65 | |
| | Cost of each | | | | 710.34 | |
| | labour cess @1% | | | | 7.10 | |
| | Say | | | | **717.40** | |
| **17.46.1.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3670 | S.C.I. S&S double unequal junctions 100x100x75x75 mm | each | 1 | 744.58 | 744.58 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 768.91 | |
| | Add Water Charges @ 1% | | | | 7.69 | |
| | TOTAL | | | | 776.60 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 109.11 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Total | | | | 885.72 (Y) |
| | Add CPOH @ 15% | | | | 132.86 |
| | Cost of each | | | | 1018.57 |
| | labour cess @1% | | | | 10.19 |
| | Say | | | | **1028.80** |
| **17.47** | **Providing and fixing single unequal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.** | | | | |
| **17.47.1** | **100x100x75 mm.** | | | | |
| **17.47.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1656 | Sand cast iron S&S single unequal junctions: 100x100x75 mm dia with access door including cost of bolts and nuts | each | 1 | 372.29 | 372.29 |
| 1374 | Rubber insertions for 100 mm dia pipe joints 3 mm thick | each | 1 | 16.75302 | 16.75 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 413.38 |
| | Add Water Charges @ 1% | | | | 4.13 |
| | TOTAL | | | | 417.51 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 58.66 |
| | Total | | | | 476.17 (Y) |
| | Add CPOH @ 15% | | | | 71.43 |
| | Cost of each | | | | 547.60 |
| | labour cess @1% | | | | 5.48 |
| | Say | | | | **553.10** |
| **17.47.1.2** | **Sand cast iron S&S as per IS - 3989.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3664 | S.C.I. S&S single unequal junctions with access door 100x100x75 mm including cost of bolts and nuts | each | 1 | 595.66 | 595.66 |
| 1374 | Rubber insertions for 100 mm dia pipe joints 3 mm thick | each | 1 | 16.75302 | 16.75 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 636.75 |
| | Add Water Charges @ 1% | | | | 6.37 |
| | TOTAL | | | | 643.12 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 90.36 |
| | Total | | | | 733.48 (Y) |
| | Add CPOH @ 15% | | | | 110.02 |
| | Cost of each | | | | 843.50 |
| | labour cess @1% | | | | 8.43 |
| | Say | | | | **851.90** |
| **17.48** | **Providing and fixing single unequal plain junction of required degree.** | | | | |
| **17.48.1** | **100x100x75 mm.** | | | | |
| **17.48.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1653 | Sand cast iron S&S plain single unequal junctions: 100x100x75 mm dia | each | 1 | 344.37 | 344.37 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 368.70 | |
| | Add Water Charges @ 1% | | | | 3.69 | |
| | TOTAL | | | | 372.39 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 52.32 | |
| | Total | | | | 424.71 | (Y) |
| | Add CPOH @ 15% | | | | 63.71 | |
| | Cost of each | | | | 488.42 | |
| | labour cess @1% | | | | 4.88 | |
| | Say | | | | **493.30** | |
| **17.48.1.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3660 | S.C.I. S&S single unequal junctions 100x 100x75 mm | each | 1 | 530.51 | 530.51 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 554.85 | |
| | Add Water Charges @ 1% | | | | 5.55 | |
| | TOTAL | | | | 560.40 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 78.74 | |
| | Total | | | | 639.13 | (Y) |
| | Add CPOH @ 15% | | | | 95.87 | |
| | Cost of each | | | | 735.00 | |
| | labour cess @1% | | | | 7.35 | |
| | Say | | | | **742.40** | |
| **17.49** | **Providing and fixing double equal plain invert branch of required degree.** | | | | | |
| **17.49.1** | **100x100x100x100 mm.** | | | | | |
| **17.49.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1673 | S.C.I. double equal invert branch of required degree 100x100x100x100 mm dia | each | 1 | 511.90 | 511.90 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 536.23 | |
| | Add Water Charges @ 1% | | | | 5.36 | |
| | TOTAL | | | | 541.60 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 76.09 | |
| | Total | | | | 617.69 | (Y) |
| | Add CPOH @ 15% | | | | 92.65 | |
| | Cost of each | | | | 710.34 | |
| | labour cess @1% | | | | 7.10 | |
| | Say | | | | **717.40** | |
| ***17.49.1.2*** | ***Sand cast iron S&S as per IS 3989.*** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3685 | S.C.I. S&S double equal invert branch of required degree 100x100x100x100 mm dia | each | 1 | 493.28 | 493.28 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 517.62 | |
| | Add Water Charges @ 1% | | | | 5.18 | |
| | TOTAL | | | | 522.80 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 73.45 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Total | | | | 596.25 | (Y) |
| | Add CPOH @ 15% | | | | 89.44 | |
| | Cost of each | | | | 685.69 | |
| | labour cess @1% | | | | 6.86 | |
| | Say | | | | **692.50** | |
| **17.49.2** | **75x75x75x75 mm.** | | | | | |
| **17.49.2.1** | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1672 | S.C.I. double equal invert branch of required degree 75x75x75x75 mm dia | each | 1 | 381.60 | 381.60 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 401.02 | |
| | Add Water Charges @ 1% | | | | 4.01 | |
| | TOTAL | | | | 405.03 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 56.91 | |
| | Total | | | | 461.94 | (Y) |
| | Add CPOH @ 15% | | | | 69.29 | |
| | Cost of each | | | | 531.23 | |
| | labour cess @1% | | | | 5.31 | |
| | Say | | | | **536.50** | |
| **17.49.2.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3686 | S.C.I. S&S double equal invert branch of required degree 75x75x75x75 mm dia | each | 1 | 395.56 | 395.56 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 414.98 | |
| | Add Water Charges @ 1% | | | | 4.15 | |
| | TOTAL | | | | 419.13 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 58.89 | |
| | Total | | | | 478.02 | (Y) |
| | Add CPOH @ 15% | | | | 71.70 | |
| | Cost of each | | | | 549.72 | |
| | labour cess @1% | | | | 5.50 | |
| | Say | | | | **555.20** | |
| **17.50** | **Providing and fixing single equal plain invert branch of required degree.** | | | | | |
| **17.50.1** | **100x100x100 mm.** | | | | | |
| **17.50.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1670 | S.C.I. single equal invert branch of required degree 100x100x100 mm dia | each | 1 | 381.60 | 381.60 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 405.93 | |
| | Add Water Charges @ 1% | | | | 4.06 | |
| | TOTAL | | | | 409.99 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 57.60 | |
| | Total | | | | 467.60 | (Y) |
| | Add CPOH @ 15% | | | | 70.14 | |
| | Cost of each | | | | 537.74 | |
| | labour cess @1% | | | | 5.38 | |
| | Say | | | | **543.10** | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **17.50.1.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3681 | S.C.I. S&S single equal invert branch of required degree 100x100x100 mm dia | each | 1 | 395.56 | 395.56 | |
| 9999 | Carriage of materials and fixing charges | L.S | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 419.89 | |
| | Add Water Charges @ 1% | | | | 4.20 | |
| | TOTAL | | | | 424.09 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 59.58 | |
| | Total | | | | 483.68 | (Y) |
| | Add CPOH @ 15% | | | | 72.55 | |
| | Cost of each | | | | 556.23 | |
| | labour cess @1% | | | | 5.56 | |
| | Say | | | | **561.80** | |
| **17.50.2** | **75x75x75 mm.** | | | | | |
| **17.50.2.1** | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1669 | S.C.I. single equal invert branch of required degree 75x75x75 mm dia | each | 1 | 297.83 | 297.83 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 317.25 | |
| | Add Water Charges @ 1% | | | | 3.17 | |
| | TOTAL | | | | 320.43 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 45.02 | |
| | Total | | | | 365.45 | (Y) |
| | Add CPOH @ 15% | | | | 54.82 | |
| | Cost of each | | | | 420.26 | |
| | labour cess @1% | | | | 4.20 | |
| | Say | | | | **424.50** | |
| **17.50.2.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | **Details of cost for one no.** | | | | | |
| | MATERIAL: | | | | | |
| 3682 | S.C.I. S&S single equal invert branch of required degree 75x75x75 mm dia | each | 1 | 300.62 | 300.62 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 320.05 | |
| | Add Water Charges @ 1% | | | | 3.20 | |
| | TOTAL | | | | 323.25 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 45.42 | |
| | Total | | | | 368.66 | (Y) |
| | Add CPOH @ 15% | | | | 55.30 | |
| | Cost of each | | | | 423.96 | |
| | labour cess @1% | | | | 4.24 | |
| | Say | | | | **428.20** | |
| **17.51** | **Providing and fixing double unequal invert branch of required degree.** | | | | | |
| **17.51.1** | **100x100x75x75 mm.** | | | | | |
| **17.51.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | MATERIAL: | | | | | |
| 1677 | S.C.I. double unequal invert branch of required degree 100x100x75x75 mm dia | each | 1 | 530.51 | 530.51 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 554.85 | |
| | Add Water Charges @ 1% | | | | 5.55 | |
| | TOTAL | | | | 560.40 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 78.74 | |
| | Total | | | | 639.13 | (Y) |
| | Add CPOH @ 15% | | | | 95.87 | |
| | Cost of each | | | | 735.00 | |
| | labour cess @1% | | | | 7.35 | |
| | Say | | | | **742.40** | |
| **17.51.1.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3695 | S.C.I. S&S double unequal invert branch of required degree 100x100x75x75 mm dia | each | 1 | 674.77 | 674.77 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 699.11 | |
| | Add Water Charges @ 1% | | | | 6.99 | |
| | TOTAL | | | | 706.10 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 99.21 | |
| | Total | | | | 805.31 | (Y) |
| | Add CPOH @ 15% | | | | 120.80 | |
| | Cost of each | | | | 926.11 | |
| | labour cess @1% | | | | 9.26 | |
| | Say | | | | **935.40** | |
| **17.52** | **Providing and fixing single unequal plain invert branch of required degree.** | | | | | |
| **17.52.1** | **100x100x75 mm.** | | | | | |
| **17.52.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1674 | S.C.I. single unequal invert branch of required degree 100x100x75 mm dia | each | 1 | 460.71 | 460.71 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 485.04 | |
| | Add Water Charges @ 1% | | | | 4.85 | |
| | TOTAL | | | | 489.89 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 68.83 | |
| | Total | | | | 558.72 | (Y) |
| | Add CPOH @ 15% | | | | 83.81 | |
| | Cost of each | | | | 642.53 | |
| | labour cess @1% | | | | 6.43 | |
| | Say | | | | **649.00** | |
| **17.52.1.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3690 | S.C.I. S&S single unequal invert branch of required degree 100x100x75 mm dia | each | 1 | 507.24 | 507.24 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 531.58 | |
| | Add Water Charges @ 1% | | | | 5.32 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 536.90 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 75.43 | |
| | Total | | | | 612.33 | (Y) |
| | Add CPOH @ 15% | | | | 91.85 | |
| | Cost of each | | | | 704.18 | |
| | labour cess @1% | | | | 7.04 | |
| | Say | | | | **711.20** | |
| **17.53** | **Providing and fixing sand cast iron S&S off sets as per IS: 1729.** | | | | | |
| **17.53.1** | **76 mm off sets.** | | | | | |
| **17.53.1.1** | **With 75 mm dia pipe.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3746 | S.C.I. S&S, 75 mm offset for 75 mm dia pipe | each | 1 | 202.90 | 202.90 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 222.32 | |
| | Add Water Charges @ 1% | | | | 2.22 | |
| | TOTAL | | | | 224.54 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 31.55 | |
| | Total | | | | 256.09 | (Y) |
| | Add CPOH @ 15% | | | | 38.41 | |
| | Cost of each | | | | 294.50 | |
| | labour cess @1% | | | | 2.95 | |
| | Say | | | | **297.40** | |
| **17.53.1.2** | **With 100 mm dia pipe.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3747 | S.C.I. S&S, 75 mm offset for 100 mm dia pipe | each | 1 | 337.85 | 337.85 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 357.27 | (X) |
| | Add Water Charges @ 1% | | | | 3.57 | |
| | TOTAL | | | | 360.85 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 50.70 | |
| | Total | | | | 411.55 | (Y) |
| | Add CPOH @ 15% | | | | 61.73 | |
| | Cost of each | | | | 473.28 | |
| | labour cess @1% | | | | 4.73 | |
| | Say | | | | **478.00** | |
| **17.53.2** | **114 mm off sets.** | | | | | |
| **17.53.2.1** | **With 75 mm dia pipe.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3712 | S.C.I. S&S, 114 mm offset for 75 mm dia pipe | each | 1 | 279.22 | 279.22 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 303.55 | |
| | Add Water Charges @ 1% | | | | 3.04 | |
| | TOTAL | | | | 306.59 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 43.08 | |
| | Total | | | | 349.66 | (Y) |
| | Add CPOH @ 15% | | | | 52.45 | |
| | Cost of each | | | | 402.11 | |
| | labour cess @1% | | | | 4.02 | |
| | Say | | | | **406.10** | |
| **17.53.2.2** | **With 100 mm dia pipe.** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3713 | S.C.I. S&S, 114 mm offset for 100 mm dia pipe | each | 1 | 356.47 | 356.47 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 380.80 | |
| | Add Water Charges @ 1% | | | | 3.81 | |
| | TOTAL | | | | 384.61 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 54.04 | |
| | Total | | | | 438.65 | (Y) |
| | Add CPOH @ 15% | | | | 65.80 | |
| | Cost of each | | | | 504.45 | |
| | labour cess @1% | | | | 5.04 | |
| | Say | | | | **509.50** | |
| **17.53.3** | **152 mm off sets.** | | | | | |
| **17.53.3.1** | **With 75 mm dia pipe.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3716 | S.C.I. S&S, 152 mm offset for 75 mm dia pipe | each | 1 | 333.20 | 333.20 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 17.94 | 1.80 | 32.29 | |
| | TOTAL | | | | 365.49 | |
| | Add Water Charges @ 1% | | | | 3.65 | |
| | TOTAL | | | | 369.15 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 51.86 | |
| | Total | | | | 421.01 | (Y) |
| | Add CPOH @ 15% | | | | 63.15 | |
| | Cost of each | | | | 484.16 | |
| | labour cess @1% | | | | **4.84** | |
| | Say | | | | **489.00** | |
| **17.53.3.2** | **wifh 100 mm dia pipe.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3717 | S.C.I. S&S, 152 mm offset for 100 mm dia pipe | each | 1 | 423.48 | **423.48** | |
| 9999 | Carriage of materials and fixing charges | L.S. | 17.94 | 1.80 | **32.29** | |
| | TOTAL | | | | **455.77** | |
| | Add Water Charges @ 1% | | | | **4.56** | |
| | TOTAL | | | | **460.33** | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 64.68 | |
| | Total | | | | 525.01 | (Y) |
| | Add CPOH @ 15% | | | | **78.75** | |
| | Cost of each | | | | **603.76** | |
| | labour cess @1% | | | | **6.04** | |
| | Say | | | | **609.80** | |
| **17.54** | **Providing and fixing sand cast iron S&S off sets as per IS: 3989.** | | | | | |
| **17.54.1** | **75 mm off sets.** | | | | | |
| **17.54.1.1** | **With 75 mm dia pipe.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3699 | S.C.I. S&S, 75 mm offset for 75 mm dia pipe | each | 1 | 209.41 | 209.41 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 228.83 | |
| | Add Water Charges @ 1% | | | | 2.29 | |
| | TOTAL | | | | 231.12 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 32.47 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Total | | | | 263.60 (Y) |
| | Add CPOH @ 15% | | | | 39.54 |
| | Cost of each | | | | 303.14 |
| | labour cess @1% | | | | 3.03 |
| | Say | | | | **306.20** |
| **17.54.2** | **150 mm off sets.** | | | | |
| **17.54.2.1** | **With 75 mm dia pipe.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3707 | S.C.I. S&S, 150 mm offset for 75 mm dia pipe | each | 1 | 265.26 | 265.26 |
| 9999 | Carriage of materials and fixing charges | L.S. | 16.12 | 1.80 | 29.02 |
| | TOTAL | | | | 294.27 |
| | Add Water Charges @ 1% | | | | 2.94 |
| | TOTAL | | | | 297.21 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 41.76 |
| | Total | | | | 338.97 (Y) |
| | Add CPOH @ 15% | | | | 50.85 |
| | Cost of each | | | | 389.82 |
| | labour cess @1% | | | | 3.90 |
| | Say | | | | **393.70** |
| **17.54.2.2** | **With 100 mm dia pipe.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3708 | S.C.I. S&S, 150 mm offset for 100 mm dia pipe | each | 1 | 362.98 | 363.0 |
| 9999 | Carriage of materials and fixing charges | L.S. | 16.12 | 1.80 | 29.0 |
| | TOTAL | | | | 392.0 |
| | Add Water Charges @ 1% | | | | 3.9 |
| | TOTAL | | | | 395.9 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 55.63 |
| | Total | | | | 451.54 (Y) |
| | Add CPOH @ 15% | | | | 67.7 |
| | Cost of each | | | | 519.3 |
| | labour cess @1% | | | | 5.2 |
| | Say | | | | **524.50** |
| **17.55** | **Providing and fixing door piece, insertion rubber washer 3 mm thick, bolts & nuts complete.** | | | | |
| **17.55.1** | **100 mm.** | | | | |
| **17.55.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1683 | S.C.I. door pieces 100 mm dia including cost of bolts and nuts | each | 1 | 372.29 | 372.29 |
| 1374 | Rubber insertions for 100 mm dia pipe joints | each | 1 | 16.75 | 16.75 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 413.38 |
| | Add Water Charges @ 1% | | | | 4.13 |
| | TOTAL | | | | 417.51 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 58.66 |
| | Total | | | | 476.17 (Y) |
| | Add CPOH @ 15% | | | | 71.43 |
| | Cost of each | | | | 547.60 |
| | labour cess @1% | | | | 5.48 |
| | Say | | | | **553.10** |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **17.55.1.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3728 | S.C.I. S&S door pieces 100 mm dia including cost of bolts and nuts | each | 1 | 372.29 | 372.29 | |
| 1374 | Rubber insertions for 100 mm dia pipe joints | each | 1 | 16.75302 | 16.75 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 413.38 | |
| | Add Water Charges @ 1% | | | | 4.13 | |
| | TOTAL | | | | 417.51 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 58.66 | |
| | Total | | | | 476.17 | (Y) |
| | Add CPOH @ 15% | | | | 71.43 | |
| | Cost of each | | | | 547.60 | |
| | labour cess @1% | | | | 5.48 | |
| | Say | | | | **553.10** | |
| **17.55.2** | **75 mm.** | | | | | |
| **17.55.2.1** | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1682 | S.C.I. door pieces 75 mm dia including cost of bolts and nuts | each | 1 | 255.95 | 255.95 | |
| 1373 | Rubber insertions for 80 mm dia pipe joints | each | 1 | 13.96 | 13.96 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 289.33 | |
| | Add Water Charges @ 1% | | | | 2.89 | |
| | TOTAL | | | | **292.23** | **(X)** |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 41.06 | |
| | Total | | | | 333.28 | (Y) |
| | Add CPOH @ 15% | | | | 49.99 | |
| | Cost of each | | | | 383.28 | |
| | labour cess @1% | | | | 3.83 | |
| | Say | | | | **387.10** | |
| **17.55.2.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1682 | S.C.I. door pieces 75 mm dia including cost of bolts and nuts | each | 1 | 255.95 | 255.95 | |
| 1373 | Rubber insertions for 80 mm dia pipe joints | each | 1 | 13.96085 | 13.96 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 289.33 | |
| | Add Water Charges @ 1% | | | | 2.89 | |
| | TOTAL | | | | 292.23 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 41.06 | |
| | Total | | | | 333.28 | (Y) |
| | Add CPOH @ 15% | | | | 49.99 | |
| | Cost of each | | | | 383.28 | |
| | labour cess @1% | | | | 3.83 | |
| | Say | | | | **387.10** | |
| **17.56** | **Providing and fixing terminal guard.** | | | | | |
| **17.56.1** | **100 mm.** | | | | | |
| **17.56.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 1640 | Slotted cowl (terminal guard) 100 mm dia | each | 1 | 176.84 | 176.84 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 201.17 | |
| | Add Water Charges @ 1% | | | | 2.01 | |
| | TOTAL | | | | 203.19 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 28.55 | |
| | Total | | | | 231.73 | (Y) |
| | Add CPOH @ 15% | | | | 34.76 | |
| | Cost of each | | | | 266.49 | |
| | labour cess @1% | | | | 2.66 | |
| | Say | | | | **269.20** | |
| **17.56.1.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3733 | S.C.I. S&S, Slotted Cowl (Terminal Guard) 100 mm | each | 1 | 245.71 | 245.71 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 270.05 | |
| | Add Water Charges @ 1% | | | | 2.70 | |
| | TOTAL | | | | 272.75 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 38.32 | |
| | Total | | | | 311.07 | (Y) |
| | Add CPOH @ 15% | | | | 46.66 | |
| | Cost of each | | | | 357.73 | |
| | labour cess @1% | | | | 3.58 | |
| | **Say** | | | | **361.30** | |
| **17.56.2** | **75 mm.** | | | | | |
| **17.56.2.1** | **Sand cast iron S&S as per IS - 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1639 | Slotted cowl (terminal guard ) 75 mm dia | each | 1 | 140.54 | 140.54 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 159.96 | |
| | Add Water Charges @ 1% | | | | 1.60 | |
| | TOTAL | | | | 161.56 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 22.70 | |
| | Total | | | | 184.26 | (Y) |
| | Add CPOH @ 15% | | | | 27.64 | |
| | Cost of each | | | | 211.90 | |
| | labour cess @1% | | | | 2.12 | |
| | Say | | | | **214.00** | |
| **17.56.2.2** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3734 | S.C.I. S&S, Slotted Cowl (Terminal Guard) 75 mm | each | 1.00 | 195.45 | 195.45 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 214.87 | |
| | Add Water Charges @ 1% | | | | 2.15 | |
| | TOTAL | | | | 217.02 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 30.49 | |
| | Total | | | | 247.51 | (Y) |
| | Add CPOH @ 15% | | | | 37.13 | |
| | Cost of each | | | | 284.64 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | labour cess @1% | | | | 2.85 |
| | Say | | | | 287.50 |
| **17.57** | **Providing and fixing collar.** | | | | |
| **17.57.1** | **100 mm.** | | | | |
| **17.57.1.1** | **Sand cast iron S&S as per IS - 1729.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1686 | S.C.I. collar 100 mm dia | each | 1 | 128.44 | 128.44 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 152.78 |
| | Add Water Charges @ 1% | | | | 1.53 |
| | TOTAL | | | | 154.30 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 21.68 |
| | Total | | | | 175.98 (Y) |
| | Add CPOH @ 15% | | | | 26.40 |
| | Cost of each | | | | 202.38 |
| | labour cess @1% | | | | 2.02 |
| | Say | | | | **204.40** |
| **17.57.1.2** | **Sand cast iron S&S as per IS - 3989.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3738 | S.C.I. S&S, collars 100 mm | each | 1 | 259.67 | 259.67 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 284.01 |
| | Add Water Charges @ 1% | | | | 2.84 |
| | TOTAL | | | | 286.85 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 40.30 |
| | Total | | | | 327.15 (Y) |
| | Add CPOH @ 15% | | | | 49.07 |
| | Cost of each | | | | 376.22 |
| | labour cess @1% | | | | 3.76 |
| | Say | | | | **380.00** |
| **17.57.2** | **75 mm.** | | | | |
| **17.57.2.1** | **Sand cast iron S&S as per IS - 1729.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1685 | S.C.I. collar 75 mm dia | each | 1 | 85.63 | 85.63 |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 |
| | TOTAL | | | | 105.05 |
| | Add Water Charges @ 1% | | | | 1.05 |
| | TOTAL | | | | 106.10 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 14.91 |
| | Total | | | | 121.01 (Y) |
| | Add CPOH @ 15% | | | | 18.15 |
| | Cost of each | | | | 139.16 |
| | labour cess @1% | | | | 1.39 |
| | Say | | | | **140.50** |
| **17.57.2.2** | **Sand cast iron S&S as per IS- 3989.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3739 | S.C.I. S&S, collars 75 mm | each | 1 | 158.22 | 158.22 |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 |
| | TOTAL | | | | 177.64 |
| | Add Water Charges @ 1% | | | | 1.78 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 179.42 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 25.21 | |
| | Total | | | | 204.63 | (Y) |
| | Add CPOH @ 15% | | | | 30.69 | |
| | Cost of each | | | | 235.32 | |
| | labour cess @1% | | | | 2.35 | |
| | Say | | | | **237.70** | |
| **17.58** | **Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter.** | | | | | |
| **17.58.1** | **100 mm.** | | | | | |
| | Details of cost for 1 joint | | | | | |
| | MATERIAL: | | | | | |
| 1397 | Pig lead | kilogram | 0.98 | 128.44 | 125.87 | |
| 1881 | Spun yarn | kilogram | 0.11 | 46.54 | 5.12 | |
| 9999 | Kerosene oil, fuel and other sundries | L.S. | 13.52 | 1.80 | 24.34 | |
| 9999 | Carriage of materials | L.S. | 1.43 | 1.80 | 2.57 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.06 | 348.00 | 20.88 | |
| 0117 | Assistant Fitter or 2nd class Fitter | day | 0.06 | 223.00 | 13.38 | |
| 0114 | Beldar | day | 0.12 | 254.00 | 30.48 | |
| | TOTAL | | | | 222.64 | |
| | Add Water Charges @ 1% | | | | 2.23 | |
| | TOTAL | | | | 224.87 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 31.59 | |
| | Total | | | | 256.46 | (Y) |
| | Add CPOH @ 15% | | | | 38.47 | |
| | Cost of each | | | | 294.93 | |
| | labour cess @1% | | | | 2.95 | |
| | Say | | | | **297.90** | |
| **17.58.2** | **75 mm.** | | | | | |
| | Details of cost for 1 joint. | | | | | |
| | MATERIAL: | | | | | |
| 1397 | Pig lead | kilogram | 0.88 | 128.4398 | 113.03 | |
| 1881 | Spun yarn | kilogram | 0.09 | 46.53617 | 4.19 | |
| 9999 | Kerosene oil, fuel and other sundries | L.S. | 10.79 | 1.80 | 19.42 | |
| 9999 | Carriage of materials | L.S. | 1.43 | 1.80 | 2.57 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.05 | 348.00 | 17.40 | |
| 0117 | Assistant Fitter or 2nd class Fitter | day | 0.05 | 223.00 | 11.15 | |
| 0114 | Beldar | day | 0.09 | 254.00 | 22.86 | |
| | TOTAL | | | | 190.62 | |
| | Add Water Charges @ 1% | | | | 1.91 | |
| | TOTAL | | | | 192.53 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 27.05 | |
| | Total | | | | 219.58 | (Y) |
| | Add CPOH @ 15% | | | | 32.94 | |
| | Cost of each | | | | 252.51 | |
| | labour cess @1% | | | | 2.53 | |
| | Say | | | | **255.00** | |
| **17.58.3** | **50 mm.** | | | | | |
| | Details of cost for 1 joint. | | | | | |
| | MATERIAL: | | | | | |
| 1397 | Pig lead | kilogram | 0.77 | 128.4398 | 98.90 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 1881 | Spun yarn | kilogram | 0.06 | 46.53617 | 2.79 | |
| 9999 | Kerosene oil, fuel and other sundries | L.S. | 6.76 | 1.80 | 12.17 | |
| 9999 | Carriage of materials | L.S. | 1.43 | 1.80 | 2.57 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.04 | 348.00 | 13.92 | |
| 0117 | Assistant Fitter or 2nd class Fitter | day | 0.05 | 223.00 | 11.15 | |
| 0114 | Beldar | day | 0.05 | 254.00 | 12.70 | |
| | TOTAL | | | | 154.20 | |
| | Add Water Charges @ 1% | | | | 1.54 | |
| | TOTAL | | | | 155.74 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 21.88 | |
| | Total | | | | 177.63 | (Y) |
| | Add CPOH @ 15% | | | | 26.64 | |
| | Cost of each | | | | 204.27 | |
| | labour cess @1% | | | | 2.04 | |
| | Say | | | | **206.30** | |
| **17.59** | **Providing and fixing M.S. stays and clamps for sand cast iron/centrifugally cast (spun) iron pipes of diameter.** | | | | | |
| **17.59.1** | **100 mm.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1330 | Clamps and M.S. stays including bolts and nuts for 100 mm pipe | each | 1 | 27.92 | 27.92 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 52.26 | |
| | Add Water Charges @ 1% | | | | **0.52** | |
| | TOTAL | | | | 52.78 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 7.42 | |
| | Total | | | | 60.20 | (Y) |
| | Add CPOH @ 15% | | | | 9.03 | |
| | Cost of each | | | | 69.23 | |
| | labour cess @1% | | | | 0.69 | |
| | Say | | | | **69.90** | |
| **17.59.2** | **75 mm.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1335 | Clamps and M.S. stays including bolts and nuts for 75 mm pipe | each | 1 | 27.92 | 27.92 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 | |
| | TOTAL | | | | 47.34 | |
| | Add Water Charges @ 1% | | | | 0.47 | |
| | TOTAL | | | | 47.82 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 6.72 | |
| | Total | | | | 54.54 | (Y) |
| | Add CPOH @ 15% | | | | 8.18 | |
| | Cost of each | | | | 62.72 | |
| | labour cess @1% | | | | 0.63 | |
| | Say | | | | **63.30** | |
| **17.59.3** | **50 mm.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1334 | Clamps and M.S. stays including bolts and nuts for 50 mm pipe | each | 1 | 26.06 | 26.06 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Carriage of materials and fixing charges | L.S. | 9.49 | 1.80 | 17.08 | |
| | TOTAL | | | | 43.14 | |
| | Add Water Charges @ 1% | | | | 0.43 | |
| | TOTAL | | | | 43.57 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 6.12 | |
| | Total | | | | 49.70 | (Y) |
| | Add CPOH @ 15% | | | | 7.45 | |
| | Cost of each | | | | 57.15 | |
| | labour cess @1% | | | | 0.57 | |
| | Say | | | | **57.70** | |
| **17.6** | **Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm good the walls and floors.complete, including cost of cutting and making** | | | | | |
| **17.60.1** | **100 mm inlet and 100 mm outlet.** | | | | | |
| **17.60.1.1** | **Sand cast iron S&S as per IS: 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7808 | Centrifugally cast (spun) iron S&S 100 mm inlet and 100 mm outlet | each | 1 | 404.86 | 404.86 | |
| 9999 | Cement, sand and grit etc. | L.S. | 13.52 | 1.80 | 24.34 | |
| 9999 | Carriage of materials | L.S. | 2.73 | 1.80 | 4.91 | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 0.5 | 342.00 | 171.00 | |
| 0114 | Beldar | day | 0.5 | 254.00 | 127.00 | |
| | TOTAL | | | | **732.11** | |
| | Add Water Charges @ 1% | | | | 7.32 | |
| | TOTAL | | | | 739.44 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 103.89 | |
| | Total | | | | 843.33 | (Y) |
| | Add CPOH @ 15% | | | | 126.50 | |
| | Cost of each | | | | 969.83 | |
| | labour cess @1% | | | | 9.70 | |
| | Say | | | | **979.50** | |
| **17.60.1.2** | **Sand Cast Iron S&S as per IS: 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1897 | 100 mm S.C.I. trap with 100 mm inlet and 100 mm outlet | each | 1 | 255.95 | 255.95 | |
| 9999 | Cement, sand and grit etc. | L.S. | 13.52 | 1.80 | 24.34 | |
| 9999 | Carriage of materials | L.S. | 2.73 | 1.80 | 4.91 | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 0.5 | 342.00 | 171.00 | |
| 0114 | Beldar | day | 0.5 | 254.00 | 127.00 | |
| | TOTAL | | | | 583.20 | |
| | Add Water Charges @ 1% | | | | 5.83 | |
| | TOTAL | | | | 589.03 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 82.76 | |
| | Total | | | | 671.79 | (Y) |
| | Add CPOH @ 15% | | | | 100.77 | |
| | Cost of each | | | | 772.56 | |
| | labour cess @1% | | | | 7.73 | |
| | Say | | | | **780.30** | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **17.60.2** | **100 mm inlet and 75 mm outlet.** | | | | | |
| **17.60.2.1** | **Sand cast iron S&S as per IS - 3989.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7809 | Centrifugally cast (spun) iron S&S 100 mm inlet and 75 mm outlet | each | 1 | 435.58 | 435.58 | |
| 9999 | Cement, sand and grit etc. | L.S. | 13.52 | 1.80 | 24.34 | |
| 9999 | Carriage of materials | L.S. | 2.73 | 1.80 | 4.91 | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 0.5 | 342.00 | 171.00 | |
| 0114 | Beldar | day | 0.5 | 254.00 | 127.00 | |
| | TOTAL | | | | 762.83 | |
| | Add Water Charges @ 1% | | | | 7.63 | |
| | TOTAL | | | | 770.46 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 108.25 | |
| | Total | | | | 878.71 | (Y) |
| | Add CPOH @ 15% | | | | 131.81 | |
| | Cost of each | | | | 1010.51 | |
| | labour cess @1% | | | | 10.11 | |
| | Say | | | | **1020.60** | |
| **17.60.2.2** | **Sand Cast Iron S&S as per IS- 1729.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1898 | 100 mm S.C.I. trap with 100 mm inlet and 75 mm outlet | each | 1 | 202.90 | 202.90 | |
| 9999 | Cement, sand and grit etc. | L.S. | 13.52 | 1.80 | 24.34 | |
| 9999 | Carriage of materials | L.S. | 2.73 | 1.80 | 4.91 | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 0.5 | 342.00 | 171.00 | |
| 0114 | Beldar | day | 0.5 | 254.00 | 127.00 | |
| | TOTAL | | | | 530.15 | |
| | Add Water Charges @ 1% | | | | 5.30 | |
| | TOTAL | | | | 535.45 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 75.23 | |
| | Total | | | | 610.68 | (Y) |
| | Add CPOH @ 15% | | | | 91.60 | |
| | Cost of each | | | | 702.28 | |
| | labour cess @1% | | | | 7.02 | |
| | Say | | | | **709.30** | |
| 17.61 | **Cutting chases in brick masonry walls for following diameter sand cast iron / centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 ( 1 cement : 3 coarse sand : 6 graded stone aggregate 12.5 mm nominal size) including necessary plaster and pointing in cement mortar 1:4 stone aggregate 12.5 mm nominal size) including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand).** | | | | | |
| **17.61.1** | **100 mm dia.** | | | | | |
| | Details of cost for one metre. | | | | | |
| | MATERIAL: | | | | | |
| | Cement concrete 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate ) | | | | | |
| 4.2.5 | Rate as per Item Number 4.2.5 of SH: Concrete work | cum | 0.022 | 4365.00 | 96.03 | (A) |
| 9999 | Plastering in cement mortar 1:4 | L.S. | 10.4 | 1.80 | 18.72 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Carriage of materials | L.S. | 4.16 | 1.80 | 7.49 | |
| | LABOUR: | | | | 0.00 | |
| 0123 | Mason (brick layer) 1 st class | day | 0.14 | 342.00 | 47.88 | |
| 0114 | Beldar | day | 0.27 | 254.00 | 68.58 | |
| | TOTAL | | | | 238.70 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1.43 | |
| | TOTAL | | | | 240.12 | (X) |
| | Add GST 12% on "X" except A( multiplying factor 0.1405) | | | | 20.25 | |
| | Total | | | | 260.37 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 24.65 | |
| | Cost of 1 metre | | | | 285.02 | |
| | labour cess @1% | | | | 2.85 | |
| | Say | | | | 287.90 | |
| **17.61.2** | **75 mm dia.** | | | | | |
| | Details of cost for one metre. | | | | | |
| | MATERIAL: | | | | | |
| | Cement concrete 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate ) | | | | | |
| 4.2.5 | Rate as per Item Number 4.2.5 of SH: Concrete work | cum | 0.015 | 4365.00 | 65.48 | (A) |
| 9999 | Plastering in cement mortar 1:4 | L.S. | 7.8 | 1.80 | 14.04 | |
| 9999 | Carriage of materials | L.S. | 3.51 | 1.80 | 6.32 | |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.1 | 342.00 | 34.20 | |
| 114 | Beldar | day | 0.2 | 254.00 | 50.80 | |
| | TOTAL | | | | 170.83 | |
| | Add Water Charges @ 1% except on A i.e on 1.18 | | | | 1.05 | |
| | TOTAL | | | | 171.89 | (X) |
| | Add GST 12% on "X" except A( multiplying factor 0.1405) | | | | 14.95 | |
| | Total | | | | 186.84 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 18.20 | |
| | Cost of 1 metre | | | | 205.04 | |
| | labour cess @1% | | | | 2.05 | |
| | Say | | | | **207.10** | |
| **17.61.3** | **50 mm dia.** | | | | | |
| | Details of cost for one metre. | | | | | |
| | MATERIAL: | | | | | |
| | Cement concrete 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate ) | | | | | |
| 4.2.5 | Rate as per Item Number 4.2.5 of SH: Concrete work | cum | 0.008 | 4365.00 | 34.92 | (A) |
| 9999 | Plastering in cement mortar 1:4 | L.S. | 5.2 | 1.80 | 9.36 | |
| 9999 | Carriage of materials | L.S. | 2.73 | 1.80 | 4.91 | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 0.07 | 342.00 | 23.94 | |
| 0114 | Beldar | day | 0.14 | 254.00 | 35.56 | |
| | TOTAL | | | | 108.69 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.74 | |
| | TOTAL | | | | 109.43 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X" except A( multiplying factor 0.1405) | | | | 10.47 |
| | Total | | | | 119.90 (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 12.75 |
| | Cost of 1 metre | | | | 132.65 |
| | labour cess @1% | | | | 1.33 |
| | Say | | | | **134.00** |
| **17.62** | **Painting C.I. cistern with bitumastic or any other anti-corrosive paint inside and white paint over a coat of zinc chromate yellow primer (of approved quality) on the outside surface of the cistern, flush pipe, other fittings, etc. compl ete for new work.** | | | | |
| | Details of cost for one cistern with fittings. | | | | |
| | MATERIAL: | | | | |
| 828 | Anticorrosive bituminous paint (black) | litre | 0.23 | 86.11 | 19.81 |
| 4202 | Red oxide Zinc chromate primer | litre | 0.2 | 60.50 | 12.10 |
| 834 | Synthetic enamel paint in all shades except black or chocolate shade | litre | 0.4 | 129.17 | 51.67 |
| 9999 | Carriage of materials | L.S. | 1.43 | 1.80 | 2.57 |
| 9999 | Sundries | L.S. | 6.76 | 1.80 | 12.17 |
| | LABOUR: | | | | |
| 131 | Painter | day | 0.25 | 323.00 | 80.75 |
| 114 | Beldar | day | 0.5 | 254.00 | 127.00 |
| | TOTAL | | | | 306.06 |
| | Add Water Charges @ 1% | | | | 3.06 |
| | TOTAL | | | | 309.12 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 43.43 |
| | Total | | | | 352.56 (Y) |
| | Add CPOH @ 15% | | | | 52.88 |
| | Cost of each | | | | 405.44 |
| | labour cess @1% | | | | 4.05 |
| | Say | | | | **409.50** |
| ***17.63*** | ***Re-painting C.I. cistern with bitumastic or any other anti-corrosive paint inside and white paint on the outside surface of the cistern, flush pipe, other fittings, etc. complete, including polishing of wooden seat and lid and cleaning of W. C. pan with acid wherever necessary.*** | | | | |
| | Details of cost for one cistern with fittings. | | | | |
| | MATERIAL: | | | | |
| 828 | Anticorrosive bituminous paint (black) | litre | 0.23 | 86.11024 | 19.81 |
| 834 | Synthetic enamel paint in all shades except black or chocolate shade | litre | 0.2 | 129.1654 | 25.83 |
| 9999 | Polishing of wooden seat and cleaning of W.C. pan with acid | L.S. | 20.67 | 1.80 | 37.21 |
| 9999 | Sundries and carriage of materials | L.S. | 7.15 | 1.80 | 12.87 |
| | LABOUR: | | | | |
| 0131 | Painter | day | 0.2 | 323.00 | 64.60 |
| 0114 | Beldar | day | 0.25 | 254.00 | 63.50 |
| | TOTAL | | | | 223.81 |
| | Add Water Charges @ 1% | | | | 2.24 |
| | TOTAL | | | | 226.05 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 31.76 |
| | Total | | | | 257.81 (Y) |
| | Add CPOH @ 15% | | | | 38.67 |
| | Cost of each | | | | 296.48 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | labour cess @1% | | | | 2.96 | |
| | Say | | | | **299.40** | |
| **17.64** | **Repainting C.I. cistern with synthetic enamel paint of approved colour, brand and manufacture on the outside surface of cistern, flush pipe, other fittings etc. complete.** | | | | | |
| | Details of cost for one cistern with fittings. | | | | | |
| | MATERIAL: | | | | | |
| 0834 | Synthetic enamel paint in all shades except black or chocolate shade | litre | 0.2 | 129.17 | 25.83 | |
| 9999 | Sundries and carriage of materials | L.S. | 3.64 | 1.80 | 6.55 | |
| | LABOUR: | | | | | |
| 0131 | Painter | day | 0.09 | 323.00 | 29.07 | |
| 0114 | Beldar | day | 0.12 | 254.00 | 30.48 | |
| | TOTAL | | | | 91.94 | |
| | Add Water Charges @ 1% | | | | 0.92 | |
| | TOTAL | | | | 92.85 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 13.05 | |
| | Total | | | | 105.90 | (Y) |
| | Add CPOH @ 15% | | | | 15.89 | |
| | Cost of each | | | | 121.79 | |
| | labour cess @1% | | | | 1.22 | |
| | Say | | | | **123.00** | |
| **17.65** | **Painting sand cast iron / centrifugally cast (spun) iron soil, waste vent pipes and fittings with two coats of synthetic enamel paint of any colour such as chocolate grey, or buff etc. over a coat of primer (of approved quality) for new work.** | | | | | |
| **17.65.1** | **100 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metres. | | | | | |
| | MATERIAL: | | | | | |
| | Perimeter = 3.14x 110 mm =345.71 | | | | | |
| | Area 10x0.3457 = 3.46 sqm | | | | | |
| | Priming coat | | | | | |
| 13.81.3 | Rate as per Item Number 13.81.3 of SH: Finishing | sqm | 3.46 | 27.25 | 94.28 | A |
| | Painting two coats with paint of any colour such as chocalate, grey or buff etc | | | | | |
| 13.93.1 | Rate as per Item Number 13.93.1 of SH: Finishing | sqm | 3.46 | 69.70 | 241.17 | A |
| 9999 | Add for delay | L.S. | 17.16 | 1.80 | 30.89 | |
| | TOTAL | | | | 366.34 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.31 | |
| | TOTAL | | | | 366.65 | (X) |
| | Add GST 12% on "X" except A ( multiplying factor 0.1405) | | | | 4.38 | |
| | Total | | | | 371.03 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 5.34 | |
| | Cost of 10 metre | | | | 376.37 | |
| | Cost of 1 metre | | | | 37.64 | |
| | labour cess @1% | | | | 0.38 | |
| | Say | | | | **38.00** | |
| **17.65.2** | **75 mm diameter pipe.** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Details of cost for 10 metres. | | | | | |
| | MATERIAL: | | | | | |
| | Perimeter = 3.14x82 mm =257.71 | | | | | |
| | Area 10x0.2577 =2.577 sqm say 2.60 sq. m | | | | | |
| | for outer surface | | | | | |
| | Priming coat | | | | | |
| 13.81.3 | Rate as per Item Number 13.81.3 of SH: | sqm | 2.6 | 27.25 | 70.85 | A |
| | Finishing | | | | | |
| | Painting two coats with paint of any colour | | | | | |
| | such as chocalate, grey or buff etc. | | | | | |
| 13.93.1 | Rate as per Item Number 13.93.1 of SH: | sqm | 2.6 | 69.70 | 181.22 | A |
| | Finishing | | | | 0.00 | |
| 9999 | Add for delay | L.S. | 15.2 | 1.80 | 27.36 | |
| | TOTAL 254.66 | | | | 279.43 | |
| | Add Water Charges @ 1% except on A i.e on 0.26 | | | | 0.27 | |
| | TOTAL 254.92 | | | | 279.71 | (X) |
| | Add GST 12% on "X" except A ( multiplying factor 0.1405) | | | | 3.88 | |
| | Total | | | | 283.59 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 4.73 | |
| | Cost of 10 metre | | | | 288.32 | |
| | Cost of 1 metre | | | | 28.83 | |
| | labour cess @1% | | | | 0.29 | |
| | Say | | | | **29.10** | |
| **17.66** | **Repainting sand cast iron / centrifugally cast iron (spun) iron, soil, waste, vent pipes and fittings with one coat of synthetic enamel paint of any colour such as chocolate, grey or buff etc.** | | | | | |
| **17.66.1** | **100 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metres. | | | | | |
| | MATERIAL: | | | | | |
| | Painting one coat with paint of any colour | | | | | |
| | such as chocolate,grey or buff etc. | | | | | |
| 13.93.2 | Rate as per Item Number 13.93.1 of | sqm | 3.46 | 44.80 | 155.00 | A |
| | SH: Repairs to buildings | | | | | |
| 9999 | Add for delay | L.S. | 12.22 | 1.80 | 22.00 | |
| | TOTAL | | | | 177.00 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.22 | |
| | TOTAL | | | | 177.22 | (X) |
| | Add GST 12% on "X" except A ( multiplying factor 0.1405) | | | | 3.12 | |
| | Total | | | | 180.34 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 3.80 | |
| | Cost of 10 metre | | | | 184.14 | |
| | Cost of 1 metre | | | | 18.41 | |
| | labour cess @1% | | | | 0.18 | |
| | Say | | | | **18.60** | |
| **17.66.2** | **75 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metres. | | | | | |
| | MATERIAL: | | | | | |
| | Painting one coat with paint of any colour | | | | | |
| | such as chocolate,grey or buff etc. | | | | | |
| 13.93.2 | Rate as per Item Number 13.93.2 of | sqm | 2.577 | 44.80 | 115.45 | A |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | SH: Repairs to buildings | | | | |
| 9999 | Add for delay | L.S. | 9.49 | 1.80 | 17.08 |
| | TOTAL 122.69 | | | | 132.53 |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.17 |
| | TOTAL 122.85 | | | | 132.70 (X) |
| | Add GST 12% on "X" except A ( multiplying factor 0.1405) | | | | 2.42 |
| | Total | | | | 135.12 (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 2.95 |
| | Cost of 10 metre | | | | 138.07 |
| | Cost of 1 metre | | | | 13.81 |
| | labour cess @1% | | | | 0.14 |
| | Say | | | | 13.90 |
| **17.67** | **Repainting bath tub of size 1700x730x430 mm with enamel paint.** | | | | |
| | Details of cost for 1 tub. | | | | |
| | MATERIAL: | | | | |
| 830 | Enamel paint | litre | 0.9 | 133.47 | 120.12 |
| 9999 | Sundries | L.S. | 6.76 | 1.80 | 12.17 |
| | LABOUR: | | | | |
| 0131 | Painter | day | 0.25 | 323.00 | 80.75 |
| 0115 | Coolie | day | 0.25 | 265.00 | 66.25 |
| | TOTAL | | | | 279.29 |
| | Add Water Charges @ 1% | | | | 2.79 |
| | TOTAL | | | | 282.08 (x) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 39.63 |
| | Total | | | | 321.72 (Y) |
| | Add CPOH @ 15% | | | | 48.26 |
| | Cost of each | | | | 369.98 |
| | labour cess @1% | | | | 3.70 |
| | Say | | | | **373.70** |
| **17.68** | **Providing and fixing vitreous china dual purpose closet suitable for use as squatting pan or European type water closet (Anglo Indian W.C. pan) with seat & lid fixed with C.P. brass hinges and rubber buffers, 10 litre low level flushing cistern with fittings and brackets, 40 mm flush bend, 20 mm over flow pipe, with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherev er required.** | | | | |
| **17.68.1** | **White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and C.P. flush bend.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1875 | White plastic seat (solid) with lid C.P. brass hinges and rubber buffers | each | 1.00 | 307.14 | 307.14 |
| 1965 | White vitreous china dual purpose closet (Anglo Indian W.C.) suitable for use as squatting pan or European type water closet as per manufacturer's specifications | each | 1.00 | 1209.94 | 1209.94 |
| 7006 | Vitreous china 10 litres low level cistern with fittings | each | 1.00 | 1209.94 | 1209.94 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | 20 mm G.I. over flow pipe and specials forover flow pipe | L.S. | 276.25 | 1.80 | 497.25 | |
| 1350 | Mosquito proof coupling of approved design | each | 1.00 | 27.92 | 27.92 | |
| 9999 | Plugs, screws etc | L.S. | 59.15 | 1.80 | 106.47 | |
| 9999 | Red lead, white lead and gasket | L.S. | 71.76 | 1.80 | 129.17 | |
| 9999 | Cement, sand and grit etc. | L.S. | 118.43 | 1.80 | 213.17 | |
| 9999 | Carriage of materials | L.S. | 118.43 | 1.80 | 213.17 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 1.00 | 348.00 | 348.00 | |
| 0123 | Mason (brick layer) 1 st class | day | 1.00 | 342.00 | 342.00 | |
| 0114 | Beldar | day | 1.00 | 254.00 | 254.00 | |
| | TOTAL | | | | 4858.18 | |
| | Add Water Charges @ 1% | | | | 48.58 | |
| | TOTAL | | | | 4906.76 | (x) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 689.40 | |
| | Total | | | | 5596.16 | (Y) |
| | Add CPOH @ 15% | | | | 839.42 | |
| | Cost of each | | | | 6435.58 | |
| | labour cess @1% | | | | 64.36 | |
| | Say | | | | **6499.90** | |
| **17.69** | **Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour.** | | | | | |
| **17.69.1** | **Waste coupling 31 mm dia of 79 mm length and 62 mm breadth weighing not less than 45 gms Details of cost for one no.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7491 | PTMT - Waste Coupling 31/32 mm | each | 1 | 33.51 | 33.51 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 20.28 | 1.80 | 36.50 | |
| | TOTAL | | | | 70.01 | |
| | Add Water Charges @ 1% | | | | 0.70 | |
| | TOTAL | | | | 70.71 | X |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 9.93 | |
| | Total | | | | 80.64 | (Y) |
| | Add CPOH @ 15% | | | | 12.10 | |
| | Cost of each | | | | 92.74 | |
| | labour cess @1% | | | | 0.93 | |
| | **Say** | | | | **93.70** | |
| **17.69.2** | **Waste coupling 38 mm dia of 83 mm length and 77 mm breadth, weighing not less than 60 gms.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7492 | PTMT - Waste Coupling 38/40 mm | each | 1 | 46.54 | 46.53617 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 20.28 | 1.80 | 36.50 | |
| | TOTAL | | | | 83.04 | |
| | Add Water Charges @ 1% | | | | 0.83 | |
| | TOTAL | | | | 83.87 | X |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 11.78 | |
| | Total | | | | 95.65 | (Y) |
| | Add CPOH @ 15% | | | | 14.35 | |
| | Cost of each | | | | 110.00 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | labour cess @1% | | | | 1.10 |
| | Say | | | | **111.10** |
| **17.70** | **Providing and fixing PTMT Bottle Trap for Wash basin and sink.** | | | | |
| **17.70.1** | **Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7493 | PTMT - Bottle Trap 31/32 mm | each | 1 | 202.90 | 202.9 |
| 9999 | Carriage of materials and fixing charges | L.S. | 20.28 | 1.80 | 36.5 |
| | TOTAL | | | | 239.4 |
| | Add Water Charges @ 1% | | | | 2.4 |
| | TOTAL | | | | 241.8 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 33.97 |
| | Total | | | | 275.77 (Y) |
| | Add CPOH @ 15% | | | | 41.4 |
| | Cost of each | | | | 317.1 |
| | labour cess @1% | | | | 3.2 |
| | Say | | | | **320.30** |
| **17.70.2** | **Bottle trap 38 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 263 gms.** | | | | |
| | Details of cost for each. | | | | |
| | MATERIAL: | | | | |
| 7494 | PTMT - Bottle Trap 38/40 mm | each | 1 | 212.20 | 212.20 |
| **9999** | **Carriage of materials and fixing charges** | **L.S.** | **20.28** | **1.80** | **36.50** |
| | TOTAL | | | | 248.71 |
| | Add Water Charges @ 1% | | | | 2.49 |
| | TOTAL | | | | 251.20 |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 35.29 |
| | Total | | | | 286.49 (Y) |
| | Add CPOH @ 15% | | | | 42.97 |
| | Cost of each | | | | 329.46 |
| | labour cess @1% | | | | 3.29 |
| | Say | | | | **332.80** |
| **17.71** | **Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance fromwall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7503 | PTMT Liquid Soap Container of 400 ml capacity | each | 1 | 99.59 | 99.59<br>0.00 |
| 9999 | Carriage of materials and fixing charges | L.S. | 6.76 | 1.80 | 12.17 |
| | TOTAL | | | | 111.76 |
| | Add Water Charges @ 1% | | | | 1.12 |
| | TOTAL | | | | 112.87 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 15.86 |
| | Total | | | | 128.73 (Y) |
| | Add CPOH @ 15% | | | | 19.31 |
| | Cost of each | | | | 148.04 |
| | labour cess @1% | | | | 1.48 |
| | Say | | | | **149.50** |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **17.72** | **Providing and fixing PTMT towel ring trapezoidal s hape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighin g not less than 88 gms.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7504 | PTMT Towel Ring 215x200x37 mm | each | 1 | 125.65 | 125. 65 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 20.28 | 1.80 | 36.50 | |
| | TOTAL | | | | 162.15 | |
| | Add Water Charges @ 1% | | | | 1.62 | |
| | TOTAL | | | | 163.77 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 23.01 | |
| | Total | | | | 186.78 | (Y) |
| | Add CPOH @ 15% | | | | 28.02 | |
| | Cost of each | | | | 214.80 | |
| | labour cess @1% | | | | 2.15 | |
| | Say | | | | **216.90** | |
| **17.73** | **Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour.** | | | | | |
| **17.73.1** | **450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| | Wooden cleates | | | | | |
| 9.32 | Rate as per Item Number 9.32 of SH: Wood and PVC work | each | 2 | 20.09 | 40.17 | A |
| 7505 | PTMT- Towel Rail (450 mm) | each | 1 | 131.23 | 131.23 | |
| 588 | Chromium plated Brass screws 25 mm | 100 Nos | 6 | 176.84 | 10.61 | |
| 9999 | Carriage of materials | L.S. | 4.16 | 1.80 | 7.49 | |
| | LABOUR: | | | | | |
| 112 | Carpenter 2nd class | day | 0.17 | 305.00 | 51.85 | |
| 114 | Beldar | day | 0.17 | 254.00 | 43.18 | |
| | TOTAL | | | | 284.53 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 2.44 | |
| | TOTAL | | | | 286.98 | (X) |
| | Add GST 12% on "X" except A ( multiplying factor 0.1405) | | | | 34.68 | |
| | Total | | | | 321.65 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 42.22 | |
| | Cost of each | | | | 363.87 | |
| | labour cess @1% | | | | 3.64 | |
| | Say | | | | **367.50** | |
| **17.73.2** | **600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88mm, weighing not less than 190 gms.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7506 | PTMT - Towel Rail (600 mm) | each | 1 | 157.29 | 157.29 | |
| | Wooden cleates | | | | | |
| 9.32 | Rate as per Item Number 9.32 of SH: Wood and PVC work | each | 2 | 20.09 | 40.17 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 588 | Chromium plated Brass screws 25 mm | 100 Nos | 6 | 176.8374 | 10.61 | |
| 9999 | Carriage of materials | L.S. | 4.16 | 1.80 | 7.49 | |
| | LABOUR: | | | | | |
| 112 | Carpenter 2nd class | day | 0.17 | 305.00 | 51.85 | |
| 114 | Beldar | day | 0.17 | 254.00 | 43.18 | |
| | TOTAL | | | | 310.59 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 2.70 | |
| | TOTAL | | | | 313.30 | (X) |
| | Add GST 12% on "X" except A ( multiplying factor 0.1405) | | | | 38.37 | |
| | Total | | | | 351.67 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 46.72 | |
| | Cost of each | | | | 398.40 | |
| | labour cess @1% | | | | 3.98 | |
| | Say | | | | **402.40** | |
| **17.74** | **Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36 mm height of approved quality and colour, weighing not less than 300 gms.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| | Wooden cleates | | | | | |
| 9.32 | Rate as per Item Number 9.32 of SH: Wood and PVC work | each | 2 | 20.09 | 40.17 | A |
| 7507 | PTMT Shelf 450x124x36 mm | each | 1 | 195.45 | 195.45 | |
| 588 | Chromium plated Brass screws 25 mm | 100 Nos | 6 | 176.8374 | 10.61 | |
| 9999 | Carriage of materials | L.S. | 4.16 | 1.80 | 7.49 | |
| | LABOUR: | | | | | |
| 0112 | Carpenter 2nd class | day | 0.17 | 305.00 | 51.85 | |
| 0114 | Beldar | day | 0.17 | 254.00 | 43.18 | |
| | TOTAL | | | | 348.75 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 3.09 | |
| | TOTAL | | | | 351.84 | (X) |
| | Add GST 12% on "X" except A ( multiplying factor 0.1405) | | | | 43.79 | |
| | Total | | | | 395.63 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 53.32 | |
| | Cost of each | | | | 448.95 | |
| | labour cess @1% | | | | 4.49 | |
| | Say | | | | **453.40** | |
| **17.75** | **Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes, weighing not less than 60 gms.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7508 | PTMT - Urinal Spreader 15 mm | each | 1 | 74.46 | 74.46 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 6.76 | 1.80 | 12.17 | |
| | TOTAL | | | | 86.63 | |
| | Add Water Charges @ 1% | | | | 0.87 | |
| | TOTAL | | | | 87.49 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 12.29 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Total | | | | 99.78 (Y) |
| | Add CPOH @ 15% | | | | 14.97 |
| | Cost of each | | | | 114.75 |
| | labour cess @1% | | | | 1.15 |
| | Say | | | | **115.90** |
| **17.76** | **Providing and fixing PTMT urinal cock of approved q uality and colour.** | | | | |
| **17.76.1** | **15 mm nominal bore, 80 mm long, 42 mm high and 30 m m wide with BSP female threads weighing not less than 48 gms.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7858 | P.T.M.T. Urinal cock 15 mm dia | each | 1 | 102.38 | 102. 38 |
| 9999 | Carriage of materials and fixing charges | L.S. | 8.06 | 1.80 | 14.51 |
| | TOTAL | | | | 116.89 |
| | Add Water Charges @ 1% | | | | 1.17 |
| | TOTAL | | | | 118.06 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 16.59 |
| | Total | | | | 134.64 (Y) |
| | Add CPOH @ 15% | | | | 20.20 |
| | Cost of each | | | | 154.84 |
| | labour cess @1% | | | | 1.55 |
| | Say | | | | **156.40** |
| **17.77** | **Providing and fixing M.S. holder bat clamp of approved design to sand cast iron / cast iron (spun) pipes comprising of M.S. flat brackets made of 50x5 mm flat of specified shape, projecting 75 mm outside the wall surface and fixed on wall with 4 nos, 6 mm dia expansion hold fasteners, including drilling necessary holes in brick wall / CC / RCC surface and the cost of bolts etc. The pipes shall be fixed to the already fixed brackets with the help of 30 mm x 1.6 mm galvanised M.S. flats of specified shape and of total length 420 mm and shall be fixed with M.S. nuts, bolts, & washers of size 2 5x6 mm, one bolts on each side of the pipe.** | | | | |
| **17.77.1** | **Total bracket length 580 mm of approved sha pe and design (for single 100 mm dia pipe).** | | | | |
| | Details of cost for 5 nos. | | | | |
| | MATERIAL: | | | | |
| | M.S. flats 50x5mm 50x0.58= 2.90m | | | | |
| | @ 1.97 kg/metre = 5.71 kg. | | | | |
| | M.S. flats 30x1.6mm 5x0.42 = 2.10m. | | | | |
| | 0.38kg/metre = 0.80kg. Total = 6.51kg. | | | | |
| | Add wastage 5% = 0.33kg. | | | | |
| | Total = 6.86 kg = 0.0686 quintal | | | | |
| 1007 | Structural steel such as tees, angles channels and R.S. joists | quintal | 0.0686 | 4155.00 | 285.03 |
| 2205 | Carriage of steel | tonne | 0.00686 | 94.8 | 0.65 |
| 116 | Fitter (grade 1) | day | 0.033 | 348.00 | 11.48 |
| 103 | Blacksmith 2nd class | day | 0.049 | 305.00 | 14.95 |
| 114 | Beldar | day | 0.065 | 254.00 | 16.51 |
| | Priming coat | | | | |
| | 5x0.58x0.11 =0.32 | | | | |
| | 5x0.42x0.063 =0.13 | | | | |
| | Total = 0.45sqm | | | | |
| 13.81.1 | Rate as per Item Number 13.81.1 of SH: | sqm | 0.45 | 31.92 | 14.36 A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Finishing | | | | | |
| 9999 | Sundries | L.S. | 1.35 | 1.80 | 2.43 | |
| | P/F expansion hold fasteners 6mm threaded dia 5x4 Nos = 20 Nos | | | | | |
| 8.8.1.1 | Rate as per Item Number 8.8.1.1 of SH: Marble work | each | 20 | 24.97 | 499.34 | A |
| | TOTAL | | | | 844.75 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 3.31 | |
| | TOTAL | | | | 848.07 | (X) |
| | Add GST 12% on "X" except A ( multiplying factor 0.1405) | | | | 46.98 | |
| | Total | | | | 895.04 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 57.20 | |
| | Cost of 5 nos | | | | 952.24 | |
| | Cost of each | | | | 190.45 | |
| | labour cess @1% | | | | 1.90 | |
| | Say | | | | **192.40** | |
| **17.77.2** | **Total bracket length 810 mm of approved shape and design (for two 100 mm dia pipes).** | | | | | |
| | Details of cost for 5 nos. | | | | | |
| | MATERIAL: | | | | | |
| | M.S. flats 50x5mm 50x0.81= 4.05m | | | | | |
| | @ 1.97 kg/ metre = 7.98 kg. | | | | | |
| | M.S. flats 30x1.6mm 5x2x0.42 = 4.20m. | | | | | |
| | 0.38kg/metre = 1.60kg. | | | | | |
| | Total = 9.58kg. | | | | | |
| | Add wastage 5% = 0.48kg. | | | | | |
| | Total = 10.06 kg. | | | | | |
| | M.S.flats 10.06kg. = 0.1006 quintal | | | | | |
| 1007 | Structural steel such as tees, angles channels and R.S. joists | quintal | 0.10 | 4155.00 | 417.99 | |
| 2205 | Carriage of steel | tonne | 0.01 | 94.80 | 0.95 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.05 | 348.00 | 16.70 | |
| 103 | Blacksmith 2nd class | day | 0.07 | 305.00 | 21.96 | |
| 114 | Beldar | day | 0.10 | 254.00 | 24.38 | |
| | Priming coat | | | | | |
| | 5x0.81x0.11 =0.45 | | | | | |
| | 5x2x0.42x0.063 = 0.26 | | | | | |
| | Total = 0.71sqm | | | | | |
| 13.81.1 | Rate as per Item Number 13.81.1 of SH: Finishing | sqm | 0.71 | 31.92 | 22.66 | A |
| 9999 | Sundries | L.S. | 1.98 | 1.80 | 3.56 | |
| | P/F expansion hold fasteners 6mm threaded dia 5x4 Nos = 20 Nos | | | | | |
| 8.8.1.1 | Rate as per Item Number 8.8.1.1 of SH: Marble work | each | 20.00 | 24.97 | 499.34 | A |
| | TOTAL | | | | 1007.56 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 4.86 | |
| | TOTAL | | | | 1012.42 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add GST 12% on "X" except A ( multiplying factor 0.1405) | | | | 68.90 | |
| | Total | | | | 1081.32 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 83.90 | |
| | Cost of 5 nos | | | | 1165.22 | |
| | Cost of each | | | | 233.04 | |
| | labour cess @1% | | | | 2.33 | |
| | Say | | | | **235.40** | |
| **17.77.3** | **Total bracket length 1040 mm of approved shape and design (for three 100 mm dia pipes).** | | | | | |
| | Details of cost for 5 nos. | | | | | |
| | MATERIAL: | | | | | |
| | M.S. flats 50x5mm 50x1.04= 5.20m | | | | | |
| | @ 1.97 kg/ metre = 10.24 kg. | | | | | |
| | M.S. flats 30x1.6mm 5x3x0.42 = 6.30m. | | | | | |
| | 0.38kg/metre = 2.39kg. Total = 12.63kg. | | | | | |
| | Add wastage 5% = 0.63kg. | | | | | |
| | Total = 13.26 kg. | | | | | |
| | M.S.flats 13.26kg. = 0.1326 quintal | | | | | |
| 1007 | Structural steel such as tees, angles channels and R.S. joists | quintal | 0.1326 | 4155.00 | 550.95 | |
| 2205 | Carriage of steel | tonne | 0.01326 | 94.8 | 1.26 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.063 | 348.00 | 21.92 | |
| '0103 | Blacksmith 2nd class | day | 0.095 | 305.00 | 28.98 | |
| 0114 | Beldar | day | 0.126 | 254.00 | 32.00 | |
| | Priming coat | | | | | |
| | 5xl.04x0.ll =0.57 | | | | | |
| | 5x3x0.42x0.063 = 0.40 | | | | | |
| | Total = 0.97sqm | | | | | |
| 13.81.1 | Rate as per Item Number 13.81.1 of SH: Finishing | sqm | 0.97 | 31.92 | 30.96 | A |
| 9999 | Sundries | L.S. | 2.6 | 1.80 | 4.68 | |
| | P/F expansion hold fasteners 6mm threaded dia 5x4 Nos = 20 Nos | | | | | |
| 8.8.1.1 | Rate as per Item Number 8.8.1.1 of SH: Marble work | each | 20 | 24.96691 | 499.34 | A |
| | TOTAL | | | | 1170.09 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 6.40 | |
| | TOTAL | | | | 1176.49 | (X) |
| | Add GST 12% on "X" except A ( multiplying factor 0.1405) | | | | 90.79 | |
| | Total | | | | 1267.28 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 110.55 | |
| | Cost of 5 nos | | | | 1377.83 | |
| | Cost of each | | | | 275.57 | |
| | labour cess @1% | | | | 2.76 | |
| | Say | | | | **278.30** | |
| **17.78** | **Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | **(adjustable to 4 litre/ 8 litres), including seat c over, and cistern fittings, nuts, bolts and gasket etc complete.** | | | | |
| | Details of cost for each. | | | | |
| | MATERIAL: | | | | |
| 7072 | Wall mounted water closet | each | 1 | 4327.86 | 4327.86 |
| 7073 | Adjustable Vetrious China Cistern with fittings | each | 1 | 1861.45 | 1861.45 |
| 1875 | White plastic seat (solid) with lid C.P. brass hinges and rubber buffers | each | 1 | 307.14 | 307.14 |
| 9999 | Carriage of material | L.S. | 9.79 | 1.80 | 17.62 |
| | LABOUR: | | | | |
| 0116 | Fitter (grade 1) | day | 1 | 348.00 | 348.00 |
| 0114 | Beldar | day | 1 | 254.00 | 254.00 |
| 0123 | Mason (brick layer) 1 st class | day | 1 | 342.00 | 342.00 |
| | TOTAL | | | | 7458.07 |
| | Add Water Charges @ 1% | | | | 74.58 |
| | TOTAL | | | | 7532.65 |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1058.34 |
| | Total | | | | 8590.99 (Y) |
| | Add CPOH @ 15% | | | | 1288.65 |
| | Cost of each | | | | 9879.64 |
| | labour cess @1% | | | | 98.80 |
| | Say | | | | **9978.40** |
| **17.79** | **Providing & fixing white vitreous china water less urinal of size 600 x 330 x 315 mm having antibacterial /germs free ceramic surface, fixed with cartridge having debris catcher and hygiene seal.** | | | | |
| | Details of cost for each. | | | | |
| | MATERIAL: | | | | |
| 7074 | White Vetrious China Waterless Urinal | each | 1 | 9404.96 | 9404.96 |
| 7075 | Cistern with fittings for Waterless Urinal | each | 1 | 2233.74 | 2233.74 |
| 9999 | Carriage of material | L.S. | 9.79 | 1.80 | 17.62 |
| | LABOUR: | | | | |
| 0116 | Fitter (grade 1) | day | 0.5 | 348.00 | 174.00 |
| 0114 | Beldar | day | 0.5 | 254.00 | 127.00 |
| | TOTAL | | | | 11957.32 |
| | Add Water Charges @ 1% | | | | 119.57 |
| | TOTAL | | | | 12076.89 |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1696.80 |
| | Total | | | | 13773.69 (Y) |
| | Add CPOH @ 15% | | | | 2066.05 |
| | Cost of each | | | | 15839.75 |
| | labour cess @1% | | | | 158.40 |
| | Say | | | | **15998.10** |
| **17.80** | **Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water ( 250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.** | | | | |
| | Details of cost for each. | | | | |
| | MATERIAL: | | | | |
| 7076 | White Vetrious Urinal | each | 1 | 3722.89 | 3722.89 |
| 9999 | Carriage of material | L.S. | 9.79 | 1.80 | 17.62 |
| 116 | Fitter (grade 1) | day | 0.5 | 348.00 | 174.00 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 114 | Beldar | day | 0.5 | 254.00 | 127.00 | |
| | TOTAL | | | | 4041.52 | |
| | Add Water Charges @ 1% | | | | 40.42 | |
| | TOTAL | | | | 4081.93 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 573.51 | |
| | Total | | | | 4655.44 | (Y) |
| | Add CPOH @ 15% | | | | 698.32 | |
| | Cost of each | | | | 5353.76 | |
| | labour cess @1% | | | | 53.54 | |
| | Say | | | | **5407.30** | |
| **17.81** | **Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge.** | | | | | |
| | Details of cost for 1 no. MATERIAL | | | | | |
| 1966 | Floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc. | each | 1 | 8841.87 | 8841.87 | |
| 9977 | Carriage of material | L.S. | 9.79 | 1.80 | 17.62 | |
| | LABOUR | | | | | |
| 116 | Fitter (grade 1) | day | 1 | 348.00 | 348.00 | |
| 114 | Beldar | day | 1 | 254.00 | 254.00 | |
| 123 | Mason (brick layer) 1st class | day | 1 | 342.00 | 342.00 | |
| | TOTAL | | | | 9803.49 | |
| | Add Water Charges @ 1% | | | | 98.03 | |
| | TOTAL | | | | 9901.53 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1391.16 | |
| | Total | | | | 11292.69 | (Y) |
| | Add CPOH @ 15% | | | | 1693.90 | |
| | Cost of each | | | | 12986.60 | |
| | labour cess @1% | | | | 129.87 | |
| | Say | | | | **13116.50** | |

# SUB HEAD : 18.0
# WATER SUPPLY

## SUB HEAD : 18.0

# WATER SUPPLY

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | **Providing and fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carban black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc., with clamps at 1.00 meter spacing. This includes testing of joints complete of joints complete as per direction of the Engineer-in-Charge.** | | | | | |
| | **Internal work - Exposed on wall.** | | | | | |
| **18.1.1** | **1216 (16 mm OD) pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8300 | 1216 mm PE-AL-PE Composite pressure pipe | metre | 10 | 57.70 | 577.05 | X |
| | Add 30% for fittings and wastage etc. | | | | | |
| | on X = 30 X 577.05 / 100=173.11 | | | | 173.11 | |
| 9999 | Cement, sand and grit | L.S. | 2.73 | 1.80 | 4.91 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 1238.86 | |
| | Add Water Charges @ 1% | | | | 12.39 | |
| | TOTAL | | | | 1251.25 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 175.80 | |
| | Total | | | | 1427.05 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 214.06 | |
| | Cost of 10 metre | | | | 1641.10 | |
| | Cost of 1 metre | | | | 164.11 | |
| | Add 1% labour cess | | | | 1.64 | |
| | Cost of 1 metre | | | | 165.75 | |
| | Say | | **165.80** | **per m** | | |
| **18.1.2** | **1620 (20 mm OD) pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8301 | 1620 mm PE-AL-PE Composite pressure pipe | metre | 10 | 72.60 | 725.96 | X |
| | Add 30% for fittings and wastage etc. | | | | | |
| | on X = 30 X 725.964255319149 / 100=217.789276595745 | | | | 217.79 | |
| 9999 | Cement, sand and grit | L.S. | 2.73 | 1.8 | 4.91 | |
| | LABOUR: | | | | 0.00 | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.82 | 305.00 | 250.10 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 1481.25 | |
| | Add Water Charges @ 1% | | | | 14.81 | |
| | TOTAL | | | | 1496.06 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 210.20 | |
| | Total | | | | 1706.26 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 255.94 | |
| | Cost of 10 metre | | | | 1962.19 | |
| | Cost of 1 metre | | | | 196.22 | |
| | Add 1% labour cess | | | | 1.96 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost of 1 metre | | | | 198.18 | |
| | Say | | **198.20** | **per m** | | |
| **18.1.3** | **2025 (25 mm OD) pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8302 | 2025 mm PE-AL-PE Composite pressure pipe Add 30% for fittings and wastage etc. | metre | 10 | 102.38 | 1023.80 | X |
| | on X = 30 X 1023.79574468085 / 100=307.138723404255 | | | | 307.14 | |
| 9999 | Cement, sand and grit | L.S. | 2.73 | 1.8 | 4.91 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.98 | 305.00 | 298.90 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 1917.23 | |
| | Add Water Charges @ 1% | | | | 19.17 | |
| | TOTAL | | | | 1936.40 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 272.06 | |
| | Total | | | | 2208.47 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 331.27 | |
| | Cost of 10 metre | | | | 2539.73 | |
| | Cost of 1 metre | | | | 253.97 | |
| | Add 1% labour cess | | | | 2.54 | |
| | Rate per m | Say | | | **256.50** | |
| **18.1.4** | **2532 (32 mm OD) pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8303 | 2532 mm PE-AL-PE Composite pressure pipe Add 30% for fittings and wastage etc. on | metre | 10 | 146.12 | 1461.24 | X |
| | on X = 30 X 1461.23574468085 / 100=438.370723404255 | | | | 438.37 | |
| 9999 | Cement, sand and grit | L.S. | 4.16 | 1.8 | 7.49 | |
| | LABOUR: | | | | 0.00 | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.98 | 305.00 | 298.90 | |
| 114 | Beldar | day | 0.98 | 254.00 | 248.92 | |
| | TOTAL | | | | 2569.75 | |
| | Add Water Charges @ 1% | | | | 25.70 | |
| | TOTAL | | | | 2595.45 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 364.66 | |
| | Total | | | | 2960.11 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 444.02 | |
| | Cost of 10 metre | | | | 3404.13 | |
| | Cost of 1 metre | | | | 340.41 | |
| | Add 1% labour cess | | | | 3.40 | |
| | Rate per m | **Say** | | | **343.80** | |
| **18.1.5** | **3240 (40 mm OD) pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8304 | 3240 mm PE-AL-PE Composite pressure pipe Add 30% for fittings and wastage etc. on X | metre | 10 | 218.72 | 2187.20 | X |
| | on X = 30 X 2187.2 / 100=656.16 | | | | 656.16 | |
| 9999 | Cement, sand and grit | L.S. | 5.33 | 1.8 | 9.59 | |
| | LABOUR: | | | | 0.00 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1.31 | 305.00 | 399.55 | |
| 114 | Beldar | day | 1.31 | 254.00 | 332.74 | |
| | TOTAL | | | | 3700.08 | |
| | Add Water Charges @ 1% | | | | 37.00 | |
| | TOTAL | | | | 3737.08 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 525.06 | |
| | Total | | | | 4262.15 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 639.32 | |
| | Cost of 10 metre | | | | 4901.47 | |
| | Cost of 1 metre | | | | 490.15 | |
| | Add 1% labour cess | | | | 4.90 | |
| | Rate per m | **Say** | | | **495.00** | |
| **18.1.6** | **4050 (50 mm OD) pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8305 | 4050 mm PE-AL-PE Composite pressure pipe | metre | 10 | 307.14 | 3071.39 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 3071.38723404255 / 100=921.416170212766 | | | | 921.42 | |
| 9999 | Cement, sand and grit | L.S. | 5.33 | 1.8 | 9.59 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1.31 | 305.00 | 399.55 | |
| 114 | Beldar | day | 1.31 | 254.00 | 332.74 | |
| | TOTAL | | | | 4849.53 | |
| | Add Water Charges @ 1% | | | | 48.50 | |
| | TOTAL | | | | 4898.02 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 688.17 | |
| | Total | | | | 5586.19 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 837.93 | |
| | Cost of 10 metre | | | | 6424.12 | |
| | Cost of 1 metre | | | | 642.41 | |
| | Add 1% labour cess | | | | 6.42 | |
| | Rate per m | **Say** | | | **648.80** | |
| **18.2** | **Providing and fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carban black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc., with clamps at 1.00 meter spacing. This includes the costs of cutting chases and including testing of joints complete of joints complete as per direction of the Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc.** | | | | | |
| **18.2.1** | **1216 (16 mm OD) pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8300 | 1216 mm PE-AL-PE Composite pressure pipe Add 75% for fittings, clamps and wastage etc. | metre | 10 | 57.70485 | 577.05 | X |
| | on X = 75 X 577.048510638298 / 100=432.786382978723 | | | | 432.79 | |
| | Making chases upto 7.5 x 7.5 cm. in walls and making good the same | | | | | |
| 18.78 | Rate as per Item Number 18.78 of SH: Water | metre | 10 | 72.53 | 725.34 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | supply | | | | | |
| | **LABOUR:** | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 2218.96 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 14.94 | |
| | TOTAL | | | | 2233.89 | (Z) |
| | Add GST 12% on "Z"except on A (multiplying factor 0.1405) | | | | 211.95 | |
| | Total | | | | 2445.84 | (Y) |
| | Add CPOH @ 15% on Y except on A i.e on | | | | 258.08 | |
| | Cost of 10 metre | | | | 2703.92 | |
| | Cost of 1 metre | | | | 270.39 | |
| | Add 1% labour cess | | | | 2.70 | |
| | Rate per m | **Say** | | | **273.10** | |
| **18.2.2** | **1620 (20 mm OD) pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8301 | 1620 mm PE-AL-PE Composite pressure pipe Add 75% for fittings, clamps and wastage etc. | metre | 10 | 72.59643 | 725.96 | X |
| | on X = 75 X 725.964255319149 / 100=544.473191489362 | | | | 544.47 | |
| | Making chases upto 7.5 x 7.5 cm. in walls and making good the same | | | | | |
| 18.78 | Rate as per Item Number 18.78 of SH: Water supply | metre | 10 | 72.53 | 725.34 | A |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 2479.56 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 17.54 | |
| | TOTAL | | | | 2497.10 | (Z) |
| | Add GST 12% on "Z"except on A (multiplying factor 0.1405) | | | | 248.93 | |
| | Total | | | | 2746.03 | (Y) |
| | Add CPOH @ 15% on Y except on A i.e on | | | | 303.10 | |
| | Cost of 10 metre | | | | 3049.14 | |
| | Cost of 1 metre | | | | 304.91 | |
| | Add 1% labour cess | | | | 3.05 | |
| | Rate per m | **Say** | | | **308.00** | |
| **18.2.3** | **2025 (25 mm OD) pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8302 | 2025 mm PE-AL-PE Composite pressure pipe Add 75% for fittings, clamps and wastage etc. on X | metre | 10 | 102.3796 | 1023.80 | X |
| | on X = 75 X 1023.79574468085 / 100=767.846808510638 | | | | 767.85 | |
| | Making chases upto 7.5 x 7.5 cm. in walls and making good the same | | | | | |
| 18.78 | Rate as per Item Number 18.78 of SH: Water supply | metre | 10 | 72.53404 | 725.34 | A |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 3000.76 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 22.75 | |
| | TOTAL | | | | 3023.52 | (Z) |
| | Add GST 12% on "Z"except on A (multiplying factor 0.1405) | | | | 322.89 | |
| | Total | | | | 3346.41 | (Y) |
| | Add CPOH @ 15% on Y except on A i.e on | | | | 393.16 | |
| | Cost of 10 metre | | | | 3739.57 | |
| | Cost of 1 metre | | | | 373.96 | |
| | Add 1% labour cess | | | | 3.74 | |
| | Rate per m | **Say** | | | **377.70** | |
| **18.2.4** | **2532 (32 mm OD) pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8303 | 2532 mm PE-AL-PE Composite pressure pipe Add 75% for fittings, clamps and wastage etc. on X = 75 X | metre | 10 | 146.1236 | 1461.24 | X |
| | on X = 75 X 1461.23574468085 / 100=1095.92680851064 | | | | 1095.93 | |
| | Making chases upto 7.5 x 7.5 cm. in walls and making good the same | | | | | |
| 18.78 | Rate as per Item Number 18.78 of SH: Water supply | metre | 10 | 72.53 | 725.34 | A |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 3766.28 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 30.41 | |
| | TOTAL | | | | 3796.69 | (Z) |
| | Add GST 12% on "Z"except on A (multiplying factor 0.1405) | | | | 431.52 | |
| | Total | | | | 4228.22 | (Y) |
| | Add CPOH @ 15% on Y except on A i.e on | | | | 525.43 | |
| | Cost of 10 metre | | | | 4753.65 | |
| | Cost of 1 metre | | | | 475.36 | |
| | Add 1% labour cess | | | | 4.75 | |
| | **Rate per m** | **Say** | | | **480.10** | |
| **18.3** | **Providing and fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80 °C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required ) e.g. elbows ,tees ,reducers, couplers & connectors etc., with trenching, refilling and testing of joints complete as per direction of the engineer in charge. External work.** | | | | | |
| **18.3.1** | **1216 (16 mm OD) pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8300 | 1216 mm PE-AL-PE Composite pressure pipe Add 30% for fittings and wastage etc. on X | metre | 10 | 57.70485 | 577.05 | X |
| | on X = 30 X 577.048510638298 / 100=173.114553191489 | | | | 173.11 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.08 | 348.00 | 27.84 | |
| 114 | Beldar | day | 0.16 | 254.00 | 40.64 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 1161.18 | |
| | Add Water Charges @ 1% | | | | 11.61 | |
| | TOTAL | | | | 1172.79 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 164.78 | |
| | Total | | | | 1337.57 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 200.64 | |
| | Cost of 10 metre | | | | 1538.21 | |
| | Cost of 1 metre | | | | 153.82 | |
| | Add 1% labour cess | | | | 1.54 | |
| | **Rate per m** | **Say** | | | **155.40** | |
| **18.3.2** | **1620 (20 mm OD) pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8301 | 1620 mm PE-AL-PE Composite pressure pipe | metre | 10 | 72.60 | 725.96 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 725.964255319149 / 100=217.789276595745 | | | | 217.79 | |
| 116 | Fitter (grade 1) | day | 0.08 | 348.00 | 27.84 | |
| 114 | Beldar | day | 0.16 | 254.00 | 40.64 | |
| | Trenching and refilling etc. | | | | | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 1354.77 | |
| | Add Water Charges @ 1% | | | | 13.55 | |
| | TOTAL | | | | 1368.32 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 192.25 | |
| | Total | | | | 1560.57 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 234.09 | |
| | Cost of 10 metre | | | | 1794.66 | |
| | Cost of 1 metre | | | | 179.47 | |
| | Add 1% labour cess | | | | 1.79 | |
| | **Rate per m** | **Say** | | | **181.30** | |
| **18.3.3** | **2025 (25mm OD) pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8302 | 2025 mm PE-AL-PE Composite pressure pipe | metre | 10 | 102.3796 | 1023.80 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 1023.79574468085 / 100=307.138723404255 | | | | 307.14 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.08 | 348.00 | 27.84 | |
| 114 | Beldar | day | 0.16 | 254.00 | 40.64 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 1741.95 | |
| | Add Water Charges @ 1% | | | | 17.42 | |
| | TOTAL | | | | 1759.37 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 247.19 | |
| | Total | | | | 2006.57 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 300.98 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost of 10 metre | | | | 2307.55 | |
| | Cost of 1 metre | | | | 230.76 | |
| | Add 1% labour cess | | | | 2.31 | |
| | **Rate per m** | **Say** | | | **233.10** | |
| **18.3.4** | **2532 (32 mm OD ) pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8303 | 2532 mm PE-AL-PE Composite pressure pipe | metre | 10 | 146.1236 | 1461.24 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 1461.23574468085 / 100=438.370723404255 | | | | 438.37 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.08 | 348.00 | 27.84 | |
| 114 | Beldar | day | 0.16 | 254.00 | 40.64 | |
| | Trenching and refilling etc. | | | | | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 2310.63 | |
| | Add Water Charges @ 1% | | | | 23.11 | |
| | TOTAL | | | | 2333.73 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 327.89 | |
| | Total | | | | 2661.62 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 399.24 | |
| | | | | | | |
| | Cost of 10 metre | | | | 3060.87 | |
| | Cost of 1 metre | | | | 306.09 | |
| | Add 1% labour cess | | | | 3.06 | |
| | **Rate per m** | **Say** | | | **309.10** | |
| **18.3.5** | **3240 (40 mm OD) pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8304 | 3240 mm PE-AL-PE Composite pressure pipe | metre | 10 | 218.72 | 2187.20 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 2187.2 / 100=656.16 | | | | 656.16 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.16 | 348.00 | 55.68 | |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 | |
| | Trenching and refilling etc. | | | | | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 3325.40 | |
| | Add Water Charges @ 1% | | | | 33.25 | |
| | TOTAL | | | | 3358.65 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 471.89 | |
| | Total | | | | 3830.54 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 574.58 | |
| | | | | | | |
| | Cost of 10 metre | | | | 4405.13 | |
| | Cost of 1 metre | | | | 440.51 | |
| | Add 1% labour cess | | | | 4.41 | |
| | **Rate per m** | **Say** | | | **444.90** | |
| **18.3.6** | **4050 (50 mm OD) pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 8305 | 4050 mm PE-AL-PE Composite pressure pipe | metre | 10 | 307.14 | 3071.39 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 3071.38723404255 / 100=921.416170212766 | | | | 921.42 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.16 | 348.00 | 55.68 | |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 4474.84 | |
| | Add Water Charges @ 1% | | | | 44.75 | |
| | TOTAL | | | | 4519.59 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 635.00 | |
| | Total | | | | 5154.59 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 773.19 | |
| | Cost of 10 metre | | | | 5927.78 | |
| | Cost of 1 metre | | | | 592.78 | |
| | Add 1% labour cess | | | | 5.93 | |
| | **Rate per m** | **Say** | | | **598.70** | |
| **18.4** | **Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4, U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded polypropylene random fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes testing of joints complete as per direction of Engineer-in-Charge.** | | | | | |
| | **Internal work - Exposed on wall.** | | | | | |
| **18.4.1** | **PN - 16 Pipe, 16 mm OD.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8625 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 16 mm Outer dia | metre | 10 | 35.82 | 358.24 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 358.235438297872 / 100=107.470631489362 | | | | 107.47 | |
| 9999 | Cement, sand and grit | L.S. | 2.73 | 1.8 | 4.91 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 954.40 | |
| | Add Water Charges @ 1% | | | | 9.54 | |
| | TOTAL | | | | 963.94 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 135.43 | |
| | Total | | | | 1099.38 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 164.91 | |
| | Cost of 10 metre | | | | 1264.28 | |
| | Cost of 1 metre | | | | 126.43 | |
| | Add 1% labour cess | | | | 1.26 | |
| | **Rate per m** | **Say** | | | **127.70** | |
| **18.4.2** | **PN - 16 Pipe, 20 mm OD.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8626 | Poly propylene - Random - Co - Polymer (PPR) pipes SDR 7.4 - 20 mm Outer dia | metre | 10 | 55.18 | 551.83 | X |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 551.825906382979 / 100=165.547771914894 | | | | 165.55 | |
| 9999 | Cement, sand and grit | L.S. | 2.73 | 1.8 | 4.91 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.82 | 305.00 | 250.10 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 1254.87 | |
| | Add Water Charges @ 1% | | | | 12.55 | |
| | TOTAL | | | | 1267.42 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 178.07 | |
| | Total | | | | 1445.49 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 216.82 | |
| | Cost of 10 metre | | | | 1662.31 | |
| | Cost of 1 metre | | | | 166.23 | |
| | Add 1% labour cess | | | | 1.66 | |
| | **Rate per m** | **Say** | | | **167.90** | |
| **18.4.3** | **PN - 16 Pipe, 25 mm OD.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8627 | Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 25 mm outer dia | metre | 10 | 85.20 | 851.98 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 851.984204255319 / 100=255.595261276596 | | | | 255.60 | |
| 9999 | Cement, sand and grit | L.S. | 2.73 | 1.8 | 4.91 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.98 | 305.00 | 298.90 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 1693.87 | |
| | Add Water Charges @ 1% | | | | 16.94 | |
| | TOTAL | | | | 1710.81 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 240.37 | |
| | Total | | | | 1951.18 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 292.68 | |
| | Cost of 10 metre | | | | 2243.86 | |
| | Cost of 1 metre | | | | 224.39 | |
| | Add 1% labour cess | | | | 2.24 | |
| | **Rate per m** | **Say** | | | **226.60** | |
| **18.4.4** | **PN - 16 Pipe, 32 mm OD.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8628 | Poly propylene - Random - Co - poymer (PPR) pipes SDR 7.4 - 32 mm Outer dia | metre | 10 | 137.48 | 1374.77 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 1374.77154042553 / 100=412.431462127659 | | | | 412.43 | |
| 9999 | Cement, sand and grit | L.S. | 4.16 | 1.8 | 7.49 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.98 | 305.00 | 298.90 | |
| 114 | Beldar | day | 0.98 | 254.00 | 248.92 | |
| | TOTAL | | | | 2457.35 | |
| | Add Water Charges @ 1% | | | | 24.57 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 2481.92 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 348.71 | |
| | Total | | | | 2830.63 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 424.60 | |
| | Cost of 10 metre | | | | 3255.23 | |
| | Cost of 1 metre | | | | 325.52 | |
| | Add 1% labour cess | | | | 3.26 | |
| | Rate per m | Say | | | **328.80** | |
| **18.4.5** | **PN - 16 Pipe, 40 mm OD.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8629 | Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 40 mm Outer dia | metre | 10 | 206.21 | 2062.11 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 2062.11077446808 / 100=618.633232340425 | | | | 618.63 | |
| 9999 | Cement, sand and grit | L.S. | 5.33 | 1.8 | 9.59 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1.31 | 305 .00 | 399.55 | |
| 114 | Beldar | day | 1.31 | 254.00 | 332.74 | |
| | TOTAL | | | | 3537.47 | |
| | Add Water Charges @ 1% | | | | 35.37 | |
| | TOTAL | | | | 3572.84 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 501.98 | |
| | Total | | | | 4074.83 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 611.22 | |
| | Cost of 10 metre | | | | 4686.05 | |
| | Cost of 1 metre | | | | 468.61 | |
| | Add 1% labour cess | | | | 4.69 | |
| | **Rate per m** | **Say** | | | **473.30** | |
| **18.4.6** | **PN - 16 Pipe, 50 mm OD.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8630 | Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 50 mm Outer dia | metre | 10 | 322.39 | 3223.93 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 3223.9328 / 100=967.17984 | | | | 967.18 | |
| 9999 | Cement, sand and grit | L.S. | 5.33 | 1.8 | 9.59 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1.31 | 305 .00 | 399.55 | |
| 114 | Beldar | day | 1.31 | 254.00 | 332.74 | |
| | TOTAL | | | | 5047.84 | |
| | Add Water Charges @ 1% | | | | 50.48 | |
| | TOTAL | | | | 5098.32 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 716.31 | |
| | Total | | | | 5814.63 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 872.19 | |
| | Cost of 10 metre | | | | 6686.82 | |
| | Cost of 1 metre | | | | 668.68 | |
| | Add 1% labour cess | | | | 6.69 | |
| | **Rate per m** | **Say** | | | **675.40** | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **18.5** | **Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4, U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded polypropylene random fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc.** | | | | | |
| **18.5.1** | **PN - 16 Pipe, 16 mm OD.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8625 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 16 mm Outer dia | metre | 10 | 35.82 | 358.24 | X |
| | Add 75% for fittings, clamps and wastage on X = 75 X 358.235438297872 / 100=268.676578723404 | | | | 268.68 | |
| | Making chases upto 7.5 x 7.5 cm. in walls and making good the same | | | | | |
| 18.78 | Rate as per Item Number 18.78 of SH: Water supply | metre | 10 | 72.53 | 725.34 | A |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 1836.03 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 11.11 | |
| | TOTAL | | | | 1847.14 | (Z) |
| | Add GST 12% on "Z"except on A (multiplying factor 0.1405) | | | | 157.61 | |
| | Total | | | | 2004.75 | (Y) |
| | Add CPOH @ 15% on Y except on A i.e on | | | | 191.91 | |
| | Cost of 10 metre | | | | 2196.66 | |
| | Cost of 1 metre | | | | 219.67 | |
| | Add 1% labour cess | | | | 2.20 | |
| | **Rate per m** | **Say** | | | **221.90** | |
| **18.5.2** | **PN - 16 Pipe, 20 mm OD.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8626 | Poly propylene - Random - Co - Polymer (PPR) pipes SDR 7.4 - 20 mm Outer dia | metre | 10 | 55.18 | 551.83 | X |
| | Add 75% for fittings, clamps and wastage on X = 75 X 551.825906382979 / 100=413.869429787234 | | | | 413.87 | |
| | Making chases upto 7.5 x 7.5 cm. in walls and making good the same | | | | | |
| 18.78 | Rate as per Item Number 18.78 of SH: Water supply | metre | 10 | 72.53 | 725.34 | A |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 2174.82 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 14.49 | |
| | TOTAL | | | | 2189.31 | (Z) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add GST 12% on "Z"except on A (multiplying factor 0.1405) | | | | 205.69 | |
| | Total | | | | 2395.00 | (Y) |
| | Add CPOH @ 15% on Y except on A i.e on | | | | 250.45 | |
| | Cost of 10 metre | | | | 2645.45 | |
| | Cost of 1 metre | | | | 264.54 | |
| | Add 1% labour cess | | | | 2.65 | |
| | **Rate per m** | **Say** | | | **267.20** | |
| **18.5.3** | **PN - 16 Pipe, 25 mm OD.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8627 | Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 25 mm outer dia | metre | 10 | 85.20 | 851.98 | X |
| | Add 75% for fittings, clamps and wastage on X = 75 X 851.984204255319 / 100=638.988153191489 | | | | 638.99 | |
| | Making chases upto 7.5 x 7.5 cm. in walls and making good the same | | | | | |
| 18.78 | Rate as per Item Number 18.78 of SH: Water supply | metre | 10 | 72.53404 | 725.34 | A |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 2700.09 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 19.75 | |
| | TOTAL | | | | 2719.84 | (Z) |
| | Add GST 12% on "Z"except on A (multiplying factor 0.1405) | | | | 280.23 | |
| | Total | | | | 3000.07 | (Y) |
| | Add CPOH @ 15% on Y except on A i.e on | | | | 341.21 | |
| | Cost of 10 metre | | | | 3341.28 | |
| | Cost of 1 metre | | | | 334.13 | |
| | Add 1% labour cess | | | | 3.34 | |
| | **Rate per m** | **Say** | | | **337.50** | |
| **18.5.4** | **PN -16 Pipe, 32 mm OD.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8628 | Poly propylene - Random - Co - poymer (PPR) pipes SDR 7.4 - 32 mm Outer dia | metre | 10 | 137.48 | 1374.77 | X |
| | Add 75% for fittings, clamps and wastage on X = 75 X 1374.77154042553 / 100=1031.07865531915 100 | | | | 1031.08 | |
| | Making chases upto 7.5 x 7.5 cm. in walls and making good the same | | | | | |
| 18.78 | Rate as per Item Number 18.78 of SH: Water supply | metre | 10 | 72.53 | 725.34 | A |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 3614.97 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 28.90 | |
| | TOTAL | | | | 3643.87 | (Z) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add GST 12% on "Z"except on A (multiplying factor 0.1405) | | | | 410.05 | |
| | Total | | | | 4053.92 | (Y) |
| | Add CPOH @ 15% on Y except on A i.e on | | | | 499.29 | |
| | Cost of 10 metre | | | | 4553.21 | |
| | Cost of 1 metre | | | | 455.32 | |
| | Add 1% labour cess | | | | 4.55 | |
| | **Rate per m** | **Say** | | | **459.90** | |
| **18.6** | **Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP-R plain & brass threaded polypropylene random fittings, including trenching ,refilling & testing of joints complete as per direction of Engineer-in-Charge.** | | | | | |
| | **External work.** | | | | | |
| **18.6.1** | **PN - 16 Pipe, 16 mm OD (SDR -7.4).** | | | | | |
| | Details of cost for 10 metre | | | | | |
| | MATERIAL: | | | | | |
| 8625 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 16 mm Outer dia | metre | 10 | 35.82 | 358.24 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 358.235438297872 / 100=107.470631489362 | | | | 107.47 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.08 | 348.00 | 27.84 | |
| 114 | Beldar | day | 0.16 | 254.00 | 40.64 | |
| | Trenching and refilling etc. | | | | | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 876.73 | |
| | Add Water Charges @ 1% | | | | 8.77 | |
| | TOTAL | | | | 885.49 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 124.41 | |
| | Total | | | | 1009.91 | (Y) |
| | Add CPOH @ 15% on Y | | | | 151.49 | |
| | Cost of 10 metre | | | | 1161.39 | |
| | Cost of 1 metre | | | | 116.14 | |
| | Add 1% labour cess | | | | 1.16 | |
| | **Rate per m** | **Say** | | | **117.30** | |
| **18.6.2** | **PN - 16 Pipe, 20 mm OD (SDR -7.4).** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8626 | Poly propylene - Random - Co - Polymer (PPR) pipes SDR 7.4 - 20 mm Outer dia | metre | 10 | 55.18 | 570.00 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 570 / 100=171 | | | | 171.00 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.08 | 348.00 | 27.84 | |
| 114 | Beldar | day | 0.16 | 254.00 | 40.64 | |
| | Trenching and refilling etc. | | | | | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 1152.02 | |
| | Add Water Charges @ 1% | | | | 11.52 | |
| | TOTAL | | | | 1163.54 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 163.48 | |
| | Total | | | | 1327.02 | (Y) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add CPOH @ 15% on Y | | | | 199.05 | |
| | Cost of 10 metre | | | | 1526.07 | |
| | Cost of 1 metre | | | | 152.61 | |
| | Add 1% labour cess | | | | 1.53 | |
| | **Rate per m** | **Say** | | | **154.10** | |
| **18.6.3** | **PN - 16 Pipe, 25 mm OD (SDR -7.4).** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8627 | Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 25 mm outer dia | metre | 10 | 85.20 | 851.98 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 851.984204255319 / 100=255.595261276596 | | | | 255.60 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.12 | 348.00 | 41.76 | |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 | |
| | Trenching and refilling etc. | | | | | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 1555.38 | |
| | Add Water Charges @ 1% | | | | 15.55 | |
| | TOTAL | | | | 1570.93 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 220.72 | |
| | Total | | | | 1791.65 | (Y) |
| | Add CPOH @ 15% on Y | | | | 268.75 | |
| | Cost of 10 metre | | | | 2060.40 | |
| | Cost of 1 metre | | | | 206.04 | |
| | Add 1% labour cess | | | | 2.06 | |
| | **Rate per m** | **Say** | | | **208.10** | |
| **18.6.4** | **PN - 16 Pipe, 32 mm OD (SDR -7.4).** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8628 | Poly propylene - Random - Co - poymer (PPR) pipes SDR 7.4 - 32 mm Outer dia | metre | 10 | 137.48 | 1374.77 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 1374.77154042553 / 100=412.431462127659 | | | | 412.43 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.12 | 348.00 | 41.76 | |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 2235.00 | |
| | Add Water Charges @ 1% | | | | 22.35 | |
| | TOTAL | | | | 2257.35 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 317.16 | |
| | Total | | | | 2574.51 | (Y) |
| | Add CPOH @ 15% on Y | | | | 386.18 | |
| | Cost of 10 metre | | | | 2960.69 | |
| | Cost of 1 metre | | | | 296.07 | |
| | Add 1% labour cess | | | | 2.96 | |
| | **Rate per m** | **Say** | | | **299.00** | |
| **18.6.5** | **PN - 16 Pipe, 40 mm OD (SDR -7.4).** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8629 | Poly propylene - Random - Co - polymer | metre | 10 | 206.21 | 2062.11 | X |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | (PPR) pipes SDR 7.4 - 40 mm Outer dia | | | | | |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 2062.11077446808 / 100=618.633232340425 | | | | 618.63 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.16 | 348.00 | 55.68 | |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 3162.78 | |
| | Add Water Charges @ 1% | | | | 31.63 | |
| | TOTAL | | | | 3194.41 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 448.81 | |
| | Total | | | | 3643.23 | (Y) |
| | Add CPOH @ 15% on Y | | | | 546.48 | |
| | Cost of 10 metre | | | | 4189.71 | |
| | Cost of 1 metre | | | | 418.97 | |
| | Add 1% labour cess | | | | 4.19 | |
| | **Rate per m** | **Say** | | | **423.20** | |
| **18.6.6** | **PN - 16 Pipe, 50 mm OD (SDR -7.4).** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8630 | Poly propylene - Random - Co - polymer | metre | 10 | 322.39 | 3223.93 | X |
| | (PPR) pipes SDR 7.4 - 50 mm Outer dia | | | | | |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 3223.9328 / 100=967.17984 | | | | 967.18 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.16 | 348.00 | 55.68 | |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 4673.15 | |
| | Add Water Charges @ 1% | | | | 46.73 | |
| | TOTAL | | | | 4719.88 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 663.14 | |
| | Total | | | | 5383.03 | (Y) |
| | Add CPOH @ 15% on Y | | | | 807.45 | |
| | Cost of 10 metre | | | | 6190.48 | |
| | Cost of 1 metre | | | | 619.05 | |
| | Add 1% labour cess | | | | 6.19 | |
| | **Rate per m** | **Say** | | | **625.20** | |
| **18.6.7** | **PN - 16 Pipe, 63 mm OD (SDR -7.4).** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8631 | Poly propylene - Random - Co - polymer | metre | 10 | 496.66 | 4966.62 | X |
| | (PPR) pipes SDR 7.4 - 63 mm Outer dia | | | | | |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 4966.61930212766 / 100=1489.9857906383 | | | | 1489.99 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.25 | 348.00 | 87.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 7053.79 | |
| | Add Water Charges @ 1% | | | | 70.54 | |
| | TOTAL | | | | 7124.32 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 1000.97 | |
| | Total | | | | 8125.29 | (Y) |
| | Add CPOH @ 15% on Y | | | | 1218.79 | |
| | Cost of 10 metre | | | | 9344.08 | |
| | Cost of 1 metre | | | | 934.41 | |
| | Add 1% labour cess | | | | 9.34 | |
| | **Rate per m** | **Say** | | | **943.80** | |
| **18.6.8** | **PN - 16 Pipe, 75 mm OD (SDR -7.4).** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8632 | Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 75 mm Outer dia | metre | 10 | 677.71 | 6777.06 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 6777.06246808511 / 100=2033.11874042553 | | | | 2033.12 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.25 | 348.00 | 87.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 9407.36 | |
| | Add Water Charges @ 1% | | | | 94.07 | |
| | TOTAL | | | | 9501.43 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 1334.95 | |
| | Total | | | | 10836.39 | (Y) |
| | Add CPOH @ 15% on Y | | | | 1625.46 | |
| | Cost of 10 metre | | | | 12461.84 | |
| | Cost of 1 metre | | | | 1246.18 | |
| | Add 1% labour cess | | | | 12.46 | |
| | **Rate per m** | **Say** | | | **1258.60** | |
| **18.6.9** | **PN - 16 Pipe, 90 mm OD (SDR -7.4).** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8633 | Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 90 mm Outer dia | metre | 10 | 1032.05 | 10320.51 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 10320.512612766 / 100=3096.15378382979 | | | | 3096.15 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.37 | 348.00 | 128.76 | |
| 114 | Beldar | day | 0.97 | 254.00 | 246.38 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.8 | 254.00 | 203.20 | |
| 115 | Coolie | day | 0.8 | 265.00 | 212.00 | |
| | TOTAL | | | | 14207.01 | |
| | Add Water Charges @ 1% | | | | 142.07 | |
| | TOTAL | | | | 14349.08 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 2016.05 | |
| | Total | | | | 16365.12 | (Y) |
| | Add CPOH @ 15% on Y | | | | 2454.77 | |
| | Cost of 10 metre | | | | 18819.89 | |
| | Cost of 1 metre | | | | 1881.99 | |
| | Add 1% labour cess | | | | 18.82 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | **Rate per m** | **Say** | | | **1900.80** | |
| **18.6.10** | **PN - 10 Pipe, 110 mm OD (SDR -11).** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8634 | Poly propylene - Random - Co - polymer (PPR) pipes SDR - 11 - 110 mm Outer dia | metre | 10 | 1161.78 | 11617.75 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 11617.754893617 / 100=3485.32646808511 | | | | 3485.33 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.37 | 348.00 | 128.76 | |
| 114 | Beldar | day | 0.97 | 254.00 | 246.38 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.8 | 254.00 | 203.20 | |
| 115 | Coolie | day | 0.8 | 265.00 | 212.00 | |
| | TOTAL | | | | 15893.42 | |
| | Add Water Charges @ 1% | | | | 158.93 | |
| | TOTAL | | | | 16052.36 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 2255.36 | |
| | Total | | | | 18307.71 | (Y) |
| | Add CPOH @ 15% on Y | | | | 2746.16 | |
| | Cost of 10 metre | | | | 21053.87 | |
| | Cost of 1 metre | | | | 2105.39 | |
| | Add 1% labour cess | | | | 21.05 | |
| | **Rate per m** | **Say** | | | **2126.40** | |
| **18.6.11** | **PN - 10 Pipe, 160 mm OD (SDR -11).** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8635 | Poly propylene - Random - Co - polymer (PPR) pipes SDR - 11- 160 mm Outer dia | metre | 10 | 2420.36 | 24203.65 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 24203.6482723404 / 100=7261.09448170213 | | | | 7261.09 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.58 | 348.00 | 201.84 | |
| 114 | Beldar | day | 1.54 | 254.00 | 391.16 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 1.2 | 254.00 | 304.80 | |
| 115 | Coolie | day | 1.2 | 265.00 | 318.00 | |
| | TOTAL | | | | 32680.54 | |
| | Add Water Charges @ 1% | | | | 326.81 | |
| | TOTAL | | | | 33007.35 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 4637.53 | |
| | Total | | | | 37644.88 | (Y) |
| | Add CPOH @ 15% on Y | | | | 5646.73 | |
| | Cost of 10 metre | | | | 43291.61 | |
| | Cost of 1 metre | | | | 4329.16 | |
| | Add 1% labour cess | | | | 43.29 | |
| | **Rate per m** | **Say** | | | **4372.50** | |
| **18.7** | **Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge.** | | | | | |
| | **Internal work - Exposed on wall.** | | | | | |
| **18.7.1** | **15 mm nominal outer dia pipes.** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8636 | Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm outer dia | metre | 10 | 32.58 | 325.75 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 325.753191489362 / 100=97.7259574468085 | | | | 97.73 | |
| 9999 | Cement, sand and grit etc. | L.S. | 2.73 | 1.8 | 4.91 | |
| | LABOUR: | | | | 0.00 | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.82 | 305.00 | 250.10 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 960.97 | |
| | Add Water Charges @ 1% | | | | 9.61 | |
| | TOTAL | | | | 970.58 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 136.37 | |
| | Total | | | | 1106.95 | (Y) |
| | Add CPOH @ 15% on Y | | | | 166.04 | |
| | Cost of 10 metre | | | | 1272.99 | |
| | Cost of 1 metre | | | | 127.30 | |
| | Add 1% labour cess | | | | 1.27 | |
| | **Rate per m** | **Say** | | | **128.60** | |
| **18.7.2** | **20 mm nominal outer dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8637 | Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm outer dia | metre | 10 | 50.26 | 502.59 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 502.590638297872 / 100=150.777191489362 | | | | 150.78 | |
| 9999 | Cement, sand and grit etc. | L.S. | 2.73 | 1.8 | 4.91 | |
| | LABOUR: | | | | 0.00 | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.98 | 305.00 | 298.90 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 1239.66 | |
| | Add Water Charges @ 1% | | | | 12.40 | |
| | TOTAL | | | | 1252.06 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 175.91 | |
| | Total | | | | 1427.97 | (Y) |
| | Add CPOH @ 15% on Y | | | | 214.20 | |
| | Cost of 10 metre | | | | 1642.17 | |
| | Cost of 1 metre | | | | 164.22 | |
| | Add 1% labour cess | | | | 1.64 | |
| | **Rate per m** | **Say** | | | **165.90** | |
| **18.7.3** | **25 mm nominal outer dia pipes** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8638 | Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm outer dia | metre | 10 | 72.60 | 725.96 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 725.964255319149 / 100=217.789276595745 | | | | 217.79 | |
| 9999 | Cement, sand and grit etc. | L.S. | 2.73 | 1.8 | 4.91 | |
| | LABOUR: | | | | 0.00 | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.98 | 305.00 | 298.90 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 1530.05 | |
| | Add Water Charges @ 1% | | | | 15.30 | |
| | TOTAL | | | | 1545.35 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 217.12 | |
| | Total | | | | 1762.47 | (Y) |
| | Add CPOH @ 15% on Y | | | | 264.37 | |
| | Cost of 10 metre | | | | 2026.84 | |
| | Cost of 1 metre | | | | 202.68 | |
| | Add 1% labour cess | | | | 2.03 | |
| | **Rate per m** | **Say** | | | **204.70** | |
| **18.7.4** | **32 mm nominal outer dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8639 | Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia | metre | 10 | 108.89 | 1088.95 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 1088.94638297872 / 100=326.683914893617 | | | | 326.68 | |
| 9999 | Cement, sand and grit etc. | L.S. | 4.16 | 1.8 | 7.49 | |
| | LABOUR: | | | | 0.00 | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.98 | 305 .00 | 298.90 | |
| 114 | Beldar | day | 0.98 | 254.00 | 248.92 | |
| | TOTAL | | | | 2085.78 | |
| | Add Water Charges @ 1% | | | | 20.86 | |
| | TOTAL | | | | 2106.64 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 295.98 | |
| | Total | | | | 2402.62 | (Y) |
| | Add CPOH @ 15% on Y | | | | 360.39 | |
| | Cost of 10 metre | | | | 2763.01 | |
| | Cost of 1 metre | | | | 276.30 | |
| | Add 1% labour cess | | | | 2.76 | |
| | **Rate per m** | **Say** | | | **279.10** | |
| **18.7.5** | **40 mm nominal outer dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8640 | Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm outer dia | metre | 10 | 148.92 | 1489.16 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 1489.15744680851 / 100=446.747234042553 | | | | 446.75 | |
| 9999 | Cement, sand and grit | L.S. | 5.33 | 1.8 | 9.59 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1.31 | 305 .00 | 399.55 | |
| 114 | Beldar | day | 1.31 | 254.00 | 332.74 | |
| | TOTAL | | | | 2792.63 | |
| | Add Water Charges @ 1% | | | | 27.93 | |
| | TOTAL | | | | 2820.55 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 396.29 | |
| | Total | | | | 3216.84 | (Y) |
| | Add CPOH @ 15% on Y | | | | 482.53 | |
| | Cost of 10 metre | | | | 3699.37 | |
| | Cost of 1 metre | | | | 369.94 | |
| | Add 1% labour cess | | | | 3.70 | |
| | **Rate per m** | **Say** | | | **373.60** | |
| **18.7.6** | **50 mm nominal outer dia pipes.** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8641 | Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm outer dia | metre | 10 | 249.43 | 2494.34 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 2494.33872340425 / 100=748.301617021276 | | | | 748.30 | |
| 9999 | Cement, sand and grit etc | L.S. | 5.33 | 1.8 | 9.59 | |
| | LABOUR: | | | | 0.00 | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1.31 | 305.00 | 399.55 | |
| 114 | Beldar | day | 1.31 | 254.00 | 332.74 | |
| | TOTAL | | | | 4099.36 | |
| | Add Water Charges @ 1% | | | | 40.99 | |
| | TOTAL | | | | 4140.36 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 581.72 | |
| | Total | | | | 4722.08 | (Y) |
| | Add CPOH @ 15% on Y | | | | 708.31 | |
| | Cost of 10 metre | | | | 5430.39 | |
| | Cost of 1 metre | | | | 543.04 | |
| | Add 1% labour cess | | | | 5.43 | |
| | **Rate per m** | **Say** | | | **548.50** | |
| **18.8** | **Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings, with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-Charge.** | | | | | |
| | **Concealed work, including cutting chases and making good the wall etc.** | | | | | |
| **18.8.1** | **15 mm nominal outer dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8636 | Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm outer dia | metre | 10 | 32.580 | 325.75 | X |
| | Add 75% for fittings, clamps and wastage | | | | | |
| | on X = 75 X 325.753191489362 / 100=244.314893617021 | | | | 244.31 | |
| | Making chases up to 7.5x7.5 cm in walls and making good the same | | | | | |
| 18.78 | Rate as per Item Number 18.78 of SH: Water supply | metre | 10 | 72.53 | 725.34 | A |
| | | | | | 0.00 | |
| | LABOUR: | | | | 0.00 | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 1779.19 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 10.54 | |
| | TOTAL | | | | 1789.73 | (Z) |
| | Add GST 12% on "Z"except on A (multiplying factor 0.1405) | | | | 149.55 | |
| | Total | | | | 1939.27 | (Y) |
| | Add CPOH @ 15% on Y except on A i.e on | | | | 182.09 | |
| | Cost of 10 metre | | | | 2121.36 | |
| | Cost of 1 metre | | | | 212.14 | |
| | Add 1% labour cess | | | | 2.12 | |
| | **Rate per m** | **Say** | | | **214.30** | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **18.8.2** | **20 mm nominal outer dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8637 | Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm outer dia | metre | 10 | 50.26 | 502.59 | |
| | Add 75% for fittings, clamps and wastage on X = 75 X 502.590638297872 / 100=376.942978723404 | | | | 376.94 | |
| | Making chases up to 7.5x7.5 cm in walls and making good the same | | | | | |
| 18.78 | Rate as per Item Number 18.78 of SH: Water supply | metre | 10 | 72.53 | 725.34 | A |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 2088.65 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 13.63 | |
| | TOTAL | | | | 2102.29 | (Z) |
| | Add GST 12% on "Z"except on A (multiplying factor 0.1405) | | | | 193.46 | |
| | Total | | | | 2295.75 | (Y) |
| | Add CPOH @ 15% on Y except on A i.e on | | | | 235.56 | |
| | Cost of 10 metre | | | | 2531.31 | |
| | Cost of 1 metre | | | | 253.13 | |
| | Add 1% labour cess | | | | 2.53 | |
| | **Rate per m** | **Say** | | | **255.70** | |
| **18.8.3** | **25 mm nominal outer dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8638 | Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm outer dia | metre | 10 | 72.60 | 725.96 | X |
| | Add 75% for fittings, clamps and wastage on X = 75 X 725.964255319149 / 100=544.473191489362 | | | | 544.47 | |
| | Making chases up to 7.5x7.5 cm in walls and making good the same | | | | | |
| 18.78 | Rate as per Item Number 18.78 of SH: Water supply | metre | 10 | 72.53 | 725.34 | A |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 2479.56 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 17.54 | |
| | TOTAL | | | | 2497.10 | (Z) |
| | Add GST 12% on "Z"except on A (multiplying factor 0.1405) | | | | 248.93 | |
| | Total | | | | 2746.03 | (Y) |
| | Add CPOH @ 15% on Y except on A i.e on | | | | 303.10 | |
| | Cost of 10 metre | | | | 3049.14 | |
| | Cost of 1 metre | | | | 304.91 | |
| | Add 1% labour cess | | | | 3.05 | |
| | **Rate per m** | **Say** | | | **308.00** | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **18.8.4** | **32 mm nominal outer dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8639 | Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia | metre | 10 | 108.89 | 1088.95 | X |
| | Add 75% for fittings, clamps and wastage on X = 75 X 1088.94638297872 / 100=816.709787234042 | | | | 816.71 | |
| | Making chases up to 7.5x7.5 cm in walls and making good the same | | | | | |
| 18.78 | Rate as per Item Number 18.78 of SH: Water Supply | meter | 10 | 72.53 | 725.34 | A |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 3114.78 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 23.89 | |
| | TOTAL | | | | 3138.67 | (Z) |
| | Add GST 12% on "Z"except on A (multiplying factor 0.1405) | | | | 339.07 | |
| | Total | | | | 3477.74 | (Y) |
| | Add CPOH @ 15% on Y except on A i.e on | | | | 412.86 | |
| | Cost of 10 metre | | | | 3890.60 | |
| | Cost of 1 metre | | | | 389.06 | |
| | Add 1% labour cess | | | | 3.89 | |
| | **Rate per m** | **Say** | | | **393.00** | |
| **18.9** | **Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer-in-Charge. External work.** | | | | | |
| **18.9.1** | **15 mm nominal outer dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8636 | Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm outer dia | metre | 10 | 32.58 | 325.75 | X |
| | Add 30% for fittings and wastage etc. on X on X = 30 X 325.753191489362 / 100=97.7259574468085 | | | | 97.73 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.08 | 348.00 | 27.84 | |
| 114 | Beldar | day | 0.16 | 254.00 | 40.64 | |
| | Trenching and refilling etc. | | | | | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 834.50 | |
| | Add Water Charges @ 1% | | | | 8.34 | |
| | TOTAL | | | | 842.84 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 118.42 | |
| | Total | | | | 961.26 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 144.19 | |
| | Cost of 10 metre | | | | 1105.45 | |
| | Cost of 1 metre | | | | 110.55 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add 1% labour cess | | | | 1.11 | |
| | **Rate per m** | **Say** | | | **111.70** | |
| **18.9.2** | **20 mm nominal outer dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8637 | Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm outer dia | metre | 10 | 50.26 | 502.59 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 502.590638297872 / 100=150.777191489362 | | | | 150.78 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.08 | 348.00 | 27.84 | |
| 114 | Beldar | day | 0.16 | 254.00 | 40.64 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 1064.39 | |
| | Add Water Charges @ 1% | | | | 10.64 | |
| | TOTAL | | | | 1075.03 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 151.04 | |
| | Total | | | | 1226.07 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 183.91 | |
| | Cost of 10 metre | | | | 1409.98 | |
| | Cost of 1 metre | | | | 141.00 | |
| | Add 1% labour cess | | | | 1.41 | |
| | **Rate per m** | **Say** | | | **142.40** | |
| **18.9.3** | **25 mm nominal outer dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8638 | Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm outer dia | metre | 10 | 72.60 | 725.96 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 725.964255319149 / 100=217.789276595745 | | | | 217.79 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.12 | 348.00 | 41.76 | |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 1391.55 | |
| | Add Water Charges @ 1% | | | | 13.92 | |
| | TOTAL | | | | 1405.47 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 197.47 | |
| | Total | | | | 1602.94 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 240.44 | |
| | Cost of 10 metre | | | | 1843.38 | |
| | Cost of 1 metre | | | | 184.34 | |
| | Add 1% labour cess | | | | 1.84 | |
| | **Rate per m** | **Say** | | | **186.20** | |
| **18.9.4** | **32 mm nominal outer dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8639 | Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia | metre | 10 | 108.89 | 1088.95 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 1088.94638297872 / 100=326.683914893617 | | | | 326.68 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.12 | 348.00 | 41.76 | |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 1863.43 | |
| | Add Water Charges @ 1% | | | | 18.63 | |
| | TOTAL | | | | 1882.06 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 264.43 | |
| | Total | | | | 2146.49 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 321.97 | |
| | Cost of 10 metre | | | | 2468.47 | |
| | Cost of 1 metre | | | | 246.85 | |
| | Add 1% labour cess | | | | 2.47 | |
| | **Rate per m** | **Say** | | | **249.30** | |
| **18.9.5** | **40 mm nominal outer dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8640 | Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm outer dia | metre | 10 | 148.92 | 1489.16 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 1489.15744680851 / 100=446.747234042553 | | | | 446.75 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.16 | 348.00 | 55.68 | |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 2417.94 | |
| | Add Water Charges @ 1% | | | | 24.18 | |
| | TOTAL | | | | 2442.12 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 343.12 | |
| | Total | | | | 2785.24 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 417.79 | |
| | Cost of 10 metre | | | | 3203.03 | |
| | Cost of 1 metre | | | | 320.30 | |
| | Add 1% labour cess | | | | 3.20 | |
| | **Rate per m** | **Say** | | | **323.50** | |
| 18.9.6 | **50 mm nominal outer dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8641 | Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm outer dia | metre | 10 | 249.43 | 2494.34 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 2494.33872340425 / 100=748.301617021276 | | | | 748.30 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.16 | 348.00 | 55.68 | |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 3724.68 | |
| | Add Water Charges @ 1% | | | | 37.25 | |
| | TOTAL | | | | 3761.93 | (Z) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 528.55 | |
| | Total | | | | 4290.48 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 643.57 | |
| | Cost of 10 metre | | | | 4934.05 | |
| | Cost of 1 metre | | | | 493.40 | |
| | Add 1% labour cess | | | | 4.93 | |
| | **Rate per m** | **Say** | | | **498.30** | |
| **18.9.7** | **62.50 mm nominal inner dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8642 | Chlorinated Polyvinyl - chloride (CPVC) pipe 62.5 mm inner dia | metre | 10 | 605.90 | 6059.01 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 6059.00936170213 / 100=1817.70280851064 | | | | 1817.70 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.25 | 348.00 | 87.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 8473.89 | |
| | Add Water Charges @ 1% | | | | 84.74 | |
| | TOTAL | | | | 8558.63 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 1202.49 | |
| | Total | | | | 9761.12 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1464.17 | |
| | Cost of 10 metre | | | | 11225.29 | |
| | Cost of 1 metre | | | | 1122.53 | |
| | Add 1% labour cess | | | | 11.23 | |
| | **Rate per m** | **Say** | | | **1133.80** | |
| **18.9.8** | **75 mm nominal inner dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8643 | Chlorinated Polyvinyl - chloride (CPVC) pipe 75 mm inner dia | metre | 10 | 679.43 | 6794.28 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 6794.28085106383 / 100=2038.28425531915 | | | | 2038.28 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.25 | 348.00 | 87.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 9429.75 | |
| | Add Water Charges @ 1% | | | | 94.30 | |
| | TOTAL | | | | 9524.04 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 1338.13 | |
| | Total | | | | 10862.17 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1629.33 | |
| | Cost of 10 metre | | | | 12491.50 | |
| | Cost of 1 metre | | | | 1249.15 | |
| | Add 1% labour cess | | | | 12.49 | |
| | **Rate per m** | **Say** | | | **1261.60** | |
| **18.9.9** | **100 mm nominal inner dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | MATERIAL: | | | | | |
| 8644 | Chlorinated Polyvinyl - chloride (CPVC) pipe 100 mm inner dia | metre | 10 | 916.76 | 9167.63 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 9167.62553191489 / 100=2750.28765957447 | | | | 2750.29 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.37 | 348.00 | 128.76 | |
| 114 | Beldar | day | 0.97 | 254.00 | 246.38 | |
| | Trenching and refilling etc. | | | | | |
| 114 | Beldar | day | 0.8 | 254.00 | 203.20 | |
| 115 | Coolie | day | 0.8 | 265.00 | 212.00 | |
| | TOTAL | | | | 12708.25 | |
| | Add Water Charges @ 1% | | | | 127.08 | |
| | TOTAL | | | | 12835.34 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 1803.36 | |
| | Total | | | | 14638.70 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2195.81 | |
| | Cost of 10 metre | | | | 16834.51 | |
| | Cost of 1 metre | | | | 1683.45 | |
| | Add 1% labour cess | | | | 16.83 | |
| | **Rate per m** | **Say** | | | **1700.30** | |
| **18.9.10** | **150 mm nominal inner dia pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8645 | Chlorinated Polyvinyl - chloride (CPVC) pipe 150 mm inner dia | metre | 10 | 1360.72 | 13607.18 | X |
| | Add 30% for fittings and wastage etc. on X | | | | | |
| | on X = 30 X 13607.1761702128 / 100=4082.15285106383 | | | | 4082.15 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.58 | 348.00 | 201.84 | |
| 114 | Beldar | day | 1.54 | 254.00 | 391.16 | |
| | Trenching and refilling etc. | | | | 0.00 | |
| 114 | Beldar | day | 1.2 | 254.00 | 304.80 | |
| 115 | Coolie | day | 1.2 | 265.00 | 318.00 | |
| | TOTAL | | | | 18905.13 | |
| | Add Water Charges @ 1% | | | | 189.05 | |
| | TOTAL | | | | 19094.18 | (Z) |
| | Add GST 12% on "Z" (multiplying factor 0.1405) | | | | 2682.73 | |
| | Total | | | | 21776.91 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 3266.54 | |
| | Cost of 10 metre | | | | 25043.45 | |
| | Cost of 1 metre | | | | 2504.34 | |
| | Add 1% labour cess | | | | 25.04 | |
| | **Rate per m** | **Say** | | | **2529.40** | |
| **18.10** | **Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc.** | | | | | |
| | **Internal work - Exposed on wall.** | | | | | |
| **18.10.1** | **15 mm dia nominal bore.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1545 | G.I. pipes 15 mm dia | metre | 11.5 | 71.67 | 824.16 | |
| | Weight for carriage = pipe weight + 15% for fiitings = | | | | | |
| | 1.15 X 12.30 = 14.145 kg = 0.014145 tonne | | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.014 | 96.07 | 1.36 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | White lead, hemp, oil etc | L.S. | 8.06 | 1.80 | 14.51 | |
| 9999 | Cement, sand and grit etc. | L.S. | 2.73 | 1.80 | 4.91 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 1328.72 | |
| | Add Water Charges @ 1% | | | | 13.29 | |
| | TOTAL | | | | 1342.00 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 188.55 | |
| | Total | | | | 1530.56 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 229.58 | |
| | Cost of 10 metre | | | | 1760.14 | |
| | Cost of 1 metre | | | | 176.01 | |
| | Add 1% labour cess | | | | 1.76 | |
| | **Rate per m** | **Say** | | | **177.80** | |
| **18.10.2** | **20 mm dia nominal bore.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1546 | G.I. pipes 20 mm dia | metre | 11.5 | 92.14 | 1059.63 | |
| | Weight for carriage = pipe weight + 15% for fiitings = | | | | | |
| | 1.15 X 15.90= 18.285 kg = 0.018285 tonne | | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.0183 | 96.07 | 1.76 | |
| 9999 | White lead, hemp, oil etc | L.S. | 8.06 | 1.80 | 14.51 | |
| 9999 | Cement, sand and grit etc. | L.S. | 2.73 | 1.8 | 4.91 | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.82 | 305.00 | 250.10 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 1613.39 | |
| | Add Water Charges @ 1% | | | | 16.13 | |
| | TOTAL | | | | 1629.52 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 228.95 | |
| | Total | | | | 1858.47 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 278.77 | |
| | Cost of 10 metre | | | | 2137.24 | |
| | Cost of 1 metre | | | | 213.72 | |
| | Add 1% labour cess | | | | 2.14 | |
| | **Rate per m** | **Say** | | | **215.90** | |
| **18.10.03** | **25 mm dia nominal bore.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1547 | G.I. pipes 25 mm dia | metre | 11.5 | 102.38 | 1177.37 | |
| | Weight for carriage = pipe weight + 15% for fiitings = | | | | | |
| | 1.15 X 24.60 = 28.29 kg = 0.02829 tonne | | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.02829 | 96.07 | 2.72 | |
| 9999 | White lead, hemp, oil etc | L.S. | 9.49 | 1.8 | 17.08 | |
| 9999 | Cement, sand and grit etc. | L.S. | 4.16 | 1.8 | 7.49 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.98 | 305.00 | 298.90 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 1786.03 | |
| | Add Water Charges @ 1% | | | | 17.86 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 1803.89 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 253.45 | |
| | Total | | | | 2057.34 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 308.60 | |
| | Cost of 10 metre | | | | 2365.94 | |
| | Cost of 1 metre | | | | 236.59 | |
| | Add 1% labour cess | | | | 2.37 | |
| | **Rate per m** | **Say** | | | **239.00** | |
| **18:10:04** | **32 mm dia nominal bore.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1548 | G.I. pipes 32 mm dia | metre | 11.5 | 134.95 | 1551.98 | |
| | Weight for carriage = pipe weight + 15% for fiitings = | | | | | |
| | 1.15 X 31.70 = 36.455 kg = 0.036455 tonne | | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.0365 | 96.07 | 3.50 | |
| 9999 | White lead, hemp, oil etc | L.S. | 9.49 | 1.8 | 17.08 | |
| 9999 | Cement, sand and grit etc. | L.S. | 4.16 | 1.8 | 7.49 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.98 | 305.00 | 298.90 | |
| 114 | Beldar | day | 0.98 | 254.00 | 248.92 | |
| | TOTAL | | | | 2242.71 | |
| | Add Water Charges @ 1% | | | | 22.43 | |
| | TOTAL | | | | 2265.14 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 318.25 | |
| | Total | | | | 2583.39 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 387.51 | |
| | Cost of 10 metre | | | | 2970.90 | |
| | Cost of 1 metre | | | | 297.09 | |
| | Add 1% labour cess | | | | 2.97 | |
| | **Rate per m** | **Say** | | | **300.10** | |
| **18.10.05** | **40 mm dia nominal bore.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1549 | G.I. pipes 40 mm dia | metre | 11.5 | 172.18 | 1980.11 | |
| | Weight for carriage = pipe weight + 15% for fiitings = | | | | | |
| | 1.15 X 36.50 = 41.975 kg = 0.041975 tonne | | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.0420 | 96.07 | 4.03 | |
| 9999 | White lead, hemp, oil etc | L.S. | 13.52 | 1.8 | 24.34 | |
| 9999 | Cement, sand and grit etc. | L.S. | 5.33 | 1.8 | 9.59 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1.31 | 305.00 | 399.55 | |
| 114 | Beldar | day | 1.31 | 254.00 | 332.74 | |
| | TOTAL | | | | 2865.21 | |
| | Add Water Charges @ 1% | | | | 28.65 | |
| | TOTAL | | | | 2893.86 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 406.59 | |
| | Total | | | | 3300.45 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 495.07 | |
| | Cost of 10 metre | | | | 3795.51 | |
| | Cost of 1 metre | | | | 379.55 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add 1% labour cess | | | | 3.80 | |
| | **Rate per m** | **Say** | | | **383.30** | |
| **18.10.06** | **50 mm dia nominal bore.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1550 | G.I. pipes 50 mm dia | metre | 11.5 | 204.76 | 2354.73 | |
| | Weight for carriage = pipe weight + 15% for fiitings = | | | | | |
| | 1.15 X 51.70 = 59.455 kg = 0.059455 tonne | | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.059 | 96.07 | 5.71 | |
| 9999 | White lead, hemp, oil etc | L.S. | 13.52 | 1.8 | 24.34 | |
| 9999 | Cement, sand and grit etc. | L.S. | 5.33 | 1.8 | 9.59 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1.64 | 305.00 | 500.20 | |
| 114 | Beldar | day | 1.64 | 254.00 | 416.56 | |
| | TOTAL | | | | 3425.97 | |
| | Add Water Charges @ 1% | | | | 34.26 | |
| | TOTAL | | | | 3460.23 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 486.16 | |
| | Total | | | | 3946.39 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 591.96 | |
| | Cost of 10 metre | | | | 4538.35 | |
| | Cost of 1 metre | | | | 453.84 | |
| | Add 1% labour cess | | | | 4.54 | |
| | **Rate per m** | **Say** | | | **458.40** | |
| **18.11** | **Providing & Fixing GI pipes complete with GI fittings and clamps including making good the walls etc. concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall.** | | | | | |
| **18.11.1** | **15 mm dia nominal bore.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1545 | G.I. pipes 15 mm dia | metre | 11.5 | 71.67 | 824.16 | |
| | Weight for carriage = pipe weight + 15% for fiitings = | | | | | |
| | 1.15 X 12.30 = 14.145 kg = 0.014145 tonne | | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.014 | 96.07 | 1.36 | |
| 9999 | White lead, hemp, oil etc | L.S. | 8.06 | 1.8 | 14.51 | |
| | Painting G.I. pipe with anti-corrosive bitu mastic paint two or more coats | | | | | |
| 18.40.1 | Rate as per Item Number 18.40.1 of SH: Water supply | metre | 10 | 5.57 | 55.73 | A |
| 18.78 | Making chases upto 7.5x7.5cm in walls and making good the same | metre | 10 | 72.53 | 725.34 | A |
| | Rate as per Item Number 18.78 of SH: Water supply | | | | | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 2104.88 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 13.24 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 2118.11 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 187.85 | |
| | Total | | | | 2305.97 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 228.73 | |
| | Cost of 10 metre | | | | 2534.70 | |
| | Cost of 1 metre | | | | 253.47 | |
| | Add 1% labour cess | | | | 2.53 | |
| | **Rate per m** | **Say** | | | **256.00** | |
| **18.11.2** | **20 mm dia nominal bore.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | **MATERIAL:** | | | | | |
| 1546 | G.I. pipes 20 mm dia | metre | 11.5 | 92.14 | 1059.63 | |
| | Weight for carriage = pipe weight + 15% for fiitings = | | | | | |
| | 1.15 X 15.90= 18.285 kg = 0.018285 tonne | | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.018 | 96.07 | 1.76 | |
| 9999 | White lead, hemp, oil etc | L.S. | 8.06 | 1.8 | 14.51 | |
| | Painting G.I. pipe with anti-corrosive bitu mastic paint two or more coats | | | | | |
| 18.40.2 | Rate as per Item Number 18.40.2 of SH: Water supply | metre | 10 | 6.51 | 65.07 | A |
| | Making chases upto 7.5x7.5cm in walls and making good the same | | | | | |
| 18.78 | Rate as per Item Number 18.78 of SH: Water supply | metre | 10 | 72.53 | 725.34 | A |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 2350.08 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 15.60 | |
| | TOTAL | | | | 2365.68 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 221.33 | |
| | Total | | | | 2587.00 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 269.49 | |
| | Cost of 10 metre | | | | 2856.49 | |
| | Cost of 1 metre | | | | 285.65 | |
| | Add 1% labour cess | | | | 2.86 | |
| | **Rate per m** | | **Say** | | **288.50** | |
| **18.12** | **Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work.** | | | | | |
| **18.12.1** | **15 mm dia nominal bore.** | | | | | |
| | Details of cost for 10 metre | | | | | |
| | MATERIAL: | | | | | |
| 1545 | G.I. pipes 15 mm dia | metre | 10.2 | 71.67 | 730.99 | |
| | Weight for carriage = pipe weight + 2% for fiitings = | | | | | |
| | 1.02 X 12.30 = 12.546 kg = 0.012546 tonne | | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.013 | 96.07 | 1.21 | |
| 9999 | White lead, hemp, oil etc | L.S. | 5.33 | 1.8 | 9.59 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.08 | 348.00 | 27.84 | |
| 114 | Beldar | day | 0.16 | 254.00 | 40.64 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Trenching and refilling etc. | | | | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 |
| | TOTAL | | | | 1152.81 |
| | Add Water Charges @ 1% | | | | 11.53 |
| | TOTAL | | | | 1164.34 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 163.59 |
| | Total | | | | 1327.93 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 199.19 |
| | Cost of 10 metre | | | | 1527.12 |
| | Cost of 1 metre | | | | 152.71 |
| | Add 1% labour cess | | | | 1.53 |
| | **Rate per m** | | **Say** | | **154.20** |
| **18.12.2** | **20 mm dia nominal bore.** | | | | |
| | Details of cost for 10 metre. | | | | |
| | MATERIAL: | | | | |
| 1546 | G.I. pipes 20 mm dia | metre | 10.2 | 92.14 | 939.84 |
| | Weight for carriage = pipe weight + 2% for fiitings = | | | | |
| | 1.02 X 15.90 = 16.218 kg = 0.016218 tonne | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.016218 | 96.07 | 1.56 |
| 9999 | White lead, hemp, oil etc | L.S. | 5.33 | 1.8 | 9.59 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.08 | 348.00 | 27.84 |
| 114 | Beldar | day | 0.16 | 254.00 | 40.64 |
| | Trenching and refilling etc. | | | | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 |
| | TOTAL | | | | 1362.02 |
| | Add Water Charges @ 1% | | | | 13.62 |
| | TOTAL | | | | 1375.64 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 193.28 |
| | Total | | | | 1568.91 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 235.34 |
| | Cost of 10 metre | | | | 1804.25 |
| | Cost of 1 metre | | | | 180.43 |
| | Add 1% labour cess | | | | 1.80 |
| | **Rate per m** | | **Say** | | **182.20** |
| **18.12.3** | **25 mm dia nominal bore.** | | | | |
| | Details of cost for 10 metre. | | | | |
| | MATERIAL: | | | | |
| 1547 | G.I. pipes 25 mm dia | metre | 10.2 | 102.38 | 1044.27 |
| | Weight for carriage = pipe weight + 2% for fiitings = | | | | |
| | 1.02 X 24.60 = 25.092 kg = 0.025092 tonne | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.025092 | 96.07 | 2.41 |
| 9999 | White lead, hemp, oil etc | L.S. | 6.76 | 1.8 | 12.17 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.12 | 348.00 | 41.76 |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 |
| | Trenching and refilling etc. | | | | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 |
| | TOTAL | | | | 1506.65 |
| | Add Water Charges @ 1% | | | | 15.07 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 1521.72 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 213.80 | |
| | Total | | | | 1735.52 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 260.33 | |
| | Cost of 10 metre | | | | 1995.85 | |
| | Cost of 1 metre | | | | 199.58 | |
| | Add 1% labour cess | | | | 2.00 | |
| | **Rate per m** | | **Say** | | **201.60** | |
| **18.12.4** | **32 mm dia nominal bore.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1548 | G.I. pipes 32 mm dia | metre | 10.2 | 134.95 | 1376.54 | |
| | Weight for carriage = pipe weight + 2% for fiitings = | | | | | |
| | 1.02 X 31.70 = 32.334 kg = 0.032334 tonne | | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.032 | 96.07 | 3.11 | |
| 9999 | White lead, hemp, oil etc | L.S. | 6.76 | 1.8 | 12.17 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.12 | 348.00 | 41.76 | |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 | |
| | Trenching and refilling etc. | | | | | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 1839.61 | |
| | Add Water Charges @ 1% | | | | 18.40 | |
| | TOTAL | | | | 1858.01 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 261.05 | |
| | Total | | | | 2119.06 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 317.86 | |
| | Cost of 10 metre | | | | 2436.92 | |
| | Cost of 1 metre | | | | 243.69 | |
| | Add 1% labour cess | | | | 2.44 | |
| | **Rate per m** | | **Say** | | **246.10** | |
| **18.12.5** | **40 mm dia nominal bore.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1549 | G.I. pipes 40 mm dia | metre | 10.2 | 172.18 | 1756.28 | |
| | Weight for carriage = pipe weight + 2% for fiitings = | | | | | |
| | 1.02 X 36.50 = 37.23 kg = 0.03723 tonne | | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.03723 | 96.07 | 3.58 | |
| 9999 | White lead, hemp, oil etc | L.S. | 9.49 | 1.8 | 17.08 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.16 | 348.00 | 55.68 | |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 | |
| | Trenching and refilling etc. | | | | | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 | |
| | TOTAL | | | | 2258.97 | |
| | Add Water Charges @ 1% | | | | 22.59 | |
| | TOTAL | | | | 2281.56 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 320.56 | |
| | Total | | | | 2602.12 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 390.32 | |
| | Cost of 10 metre | | | | 2992.44 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost of 1 metre | | | | 299.24 |
| | Add 1% labour cess | | | | 2.99 |
| | **Rate per m** | | **Say** | | **302.20** |
| **18.12.6** | **50 mm dia nominal bore.** | | | | |
| | Details of cost for 10 metre. | | | | |
| | MATERIAL: | | | | |
| 1550 | G.I. pipes 50 mm dia | metre | 10.2 | 204.76 | 2088.54 |
| | Weight for carriage = pipe weight + 2% for fiitings = | | | | |
| | 1.02 X 51.70 = 52.73 kg = 0.05273 tonne | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.05273 | 96.07 | 5.07 |
| 9999 | White lead, hemp, oil etc | L.S. | 9.49 | 1.8 | 17.08 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.16 | 348.00 | 55.68 |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 |
| | Trenching and refilling etc. | | | | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 |
| | TOTAL | | | | 2592.73 |
| | Add Water Charges @ 1% | | | | 25.93 |
| | TOTAL | | | | 2618.66 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 367.92 |
| | Total | | | | 2986.58 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 447.99 |
| | Cost of 10 metre | | | | 3434.57 |
| | Cost of 1 metre | | | | 343.46 |
| | Add 1% labour cess | | | | 3.43 |
| | **Rate per m** | | **Say** | | **346.90** |
| **18.12.7** | **65 mm dia nominal bore.** | | | | |
| | Details of cost for 10 metre. | | | | |
| | MATERIAL: | | | | |
| 1551 | G.I. pipes 65 mm dia | metre | 10.2 | 274.56 | 2800.55 |
| | Weight for carriage = pipe weight + 2% for fiitings = | | | | |
| | 1.02 X 66.30 = 67.626 kg = 0.067626 tonne | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.067626 | 96.07 | 6.50 |
| 9999 | White lead, hemp, oil etc | L.S. | 13.52 | 1.8 | 24.34 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.25 | 348.00 | 87.00 |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 |
| | Trenching and refilling etc. | | | | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 |
| | TOTAL | | | | 3428.56 |
| | Add Water Charges @ 1% | | | | 34.29 |
| | TOTAL | | | | 3462.85 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 486.53 |
| | Total | | | | 3949.37 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 592.41 |
| | Cost of 10 metre | | | | 4541.78 |
| | Cost of 1 metre | | | | 454.18 |
| | Add 1% labour cess | | | | 4.54 |
| | **Rate per m** | | **Say** | | **458.70** |
| **18.12.8** | **80 mm dia nominal bore.** | | | | |
| | Details of cost for 10 metre. | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | MATERIAL: | | | | |
| 1552 | G.I. pipes 80 mm dia | metre | 10.2 | 372.29 | 3797.35 |
| | Weight for carriage = pipe weight + 2% for fiitings = | | | | |
| | 1.02 X 86.40 = 88.128 kg = 0.088128 tonne | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.088 | 96.07 | 8.47 |
| 9999 | White lead, hemp, oil etc | L.S. | 13.52 | 1.8 | 24.34 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.25 | 348.00 | 87.00 |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 |
| | Trenching and refilling etc. | | | | |
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 |
| 115 | Coolie | day | 0.66 | 265.00 | 174.90 |
| | TOTAL | | | | 4427.33 |
| | Add Water Charges @ 1% | | | | 44.27 |
| | TOTAL | | | | 4471.61 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 628.26 |
| | Total | | | | 5099.87 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 764.98 |
| | Cost of 10 metre | | | | 5864.85 |
| | Cost of 1 metre | | | | 586.48 |
| | Add 1% labour cess | | | | 5.86 |
| | **Rate per m** | | **Say** | | **592.30** |
| **18.13** | **Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete.** | | | | |
| **18.13.1** | **25 to 40 mm nominal bore.** | | | | |
| | Details of cost for one connection. | | | | |
| | Take 25mm dia as an average size | | | | |
| | MATERIAL: | | | | |
| 1608 | G.I. tees (equal) 25 mm | each | 1 | 37.23 | 37.23 |
| 1555 | G.I. back (jam) nuts 25 mm dia | each | 1 | 7.45 | 7.45 |
| 9999 | Carriage of materials and sundries | L.S. | 5.33 | 1.8 | 9.59 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 |
| | TOTAL | | | | 252.93 |
| | Add Water Charges @ 1% | | | | 2.53 |
| | TOTAL | | | | 255.46 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 35.89 |
| | Total | | | | 291.35 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 43.70 |
| | Cost of each | | | | 335.05 |
| | Add 1% labour cess | | | | 3.35 |
| | **Rate** | each | **Say** | | **338.40** |
| **18.13.2** | **50 to 80 mm nominal bore.** | | | | |
| | Details of cost for one connection. | | | | |
| | Take 65mm dia as an average size | | | | |
| | MATERIAL: | | | | |
| 1612 | G.I. tees (equal) 65 mm | each | 1 | 232.68 | 232.68 |
| 1559 | G.I. back (jam) nuts 65 mm dia | each | 1 | 18.61 | 18.61 |
| 9999 | Carriage of materials and sundries | L.S. | 5.33 | 1.8 | 9.59 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.45 | 348.00 | 156.60 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 114 | Beldar | day | 0.45 | 254.00 | 114.30 | |
| | TOTAL | | | | 531.79 | |
| | Add Water Charges @ 1% | | | | 5.32 | |
| | TOTAL | | | | 537.11 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 75.46 | |
| | Total | | | | 612.57 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 91.89 | |
| | Cost of each | | | | 704.46 | |
| | Add 1% labour cess | | | | 7.04 | |
| | **Rate** | each | | | **711.50** | |
| **18.14** | **Fixing water meter and stop cock in G.I. pipe line including cutting and threading the pipe and making long screws etc. complete (cost of water meter and stop cock to be paid separately).** | | | | | |
| | Details of cost for one metre with stopcock. | | | | | |
| | MATERIAL: | | | | | |
| 1555 | G.I. back (jam) nuts 25 mm dia | each | 1 | 7.45 | 7.45 | |
| 9999 | Carriage of materials and sundries | L.S. | 5.33 | 1.8 | 9.59 | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 | |
| | TOTAL | | | | 215.70 | |
| | Add Water Charges @ 1% | | | | 2.16 | |
| | TOTAL | | | | 217.86 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 30.61 | |
| | Total | | | | 248.47 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 37.27 | |
| | Cost of each | | | | 285.74 | |
| | Add 1% labour cess | | | | 2.86 | |
| | **Rate** | each | | | **288.60** | |
| **18.15** | **Providing and fixing brass bib cock of approved quality.** | | | | | |
| **18.15.1** | **15 mm nominal bore.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1339 | Brass bib-cock 15 mm dia | each | 1 | 195.45 | 195.45 | |
| 9999 | Carriage of materials and fixing charge | L.S. | 8.06 | 1.80 | 14.51 | |
| | TOTAL | | | | 209.96 | |
| | Add Water Charges @ 1% | | | | 2.10 | |
| | TOTAL | | | | 212.06 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 29.79 | |
| | Total | | | | 241.85 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 36.28 | |
| | Cost of each | | | | 278.13 | |
| | Add 1% labour cess | | | | 2.78 | |
| | **Rate** | each | | | **280.90** | |
| **18.15.2** | **20 mm nominal bore.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1340 | Brass bib-cock 20 mm dia | each | 1 | 209.41 | 209.41 | |
| 9999 | Carriage of materials and fixing charge | L.S. | 9.49 | 1.8 | 17.08 | |
| | TOTAL | | | | 226.49 | |
| | Add Water Charges @ 1% | | | | 2.26 | |
| | TOTAL | | | | 228.76 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 32.14 | |
| | Total | | | | 260.90 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 39.14 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost of each | | | | 300.04 |
| | Add 1% labour cess | | | | 3.00 |
| | **Rate** | each | | | **303.00** |
| **18.16** | **Providing and fixing brass stop cock of approved quality.** | | | | |
| **18.16.1** | **15 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1342 | Brass stop-cock 15 mm dia | each | 1.00 | 195.45 | 195.45 |
| 9999 | Carriage of materials and fixing charges | L.S. | 8.06 | 1.80 | 14.51 |
| | TOTAL | | | | 209.96 |
| | Add Water Charges @ 1% | | | | 2.10 |
| | TOTAL | | | | 212.06 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 29.79 |
| | Total | | | | 241.85 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 36.28 |
| | Cost of each | | | | 278.13 |
| | Add 1% labour cess | | | | 2.78 |
| | **Rate** | each | | | **280.90** |
| **18.16.2** | **20 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1343 | Brass stop-cock 20 mm dia | each | 1 | 209.41 | 209.41 |
| 9999 | Carriage of materials and fixing charges | L.S. | 9.49 | 1.8 | 17.08 |
| | TOTAL | | | | 226.49 |
| | Add Water Charges @ 1% | | | | 2.26 |
| | TOTAL | | | | 228.76 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 32.14 |
| | Total | | | | 260.90 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 39.14 |
| | Cost of each | | | | 300.04 |
| | Add 1% labour cess | | | | 3.00 |
| | **Rate** | each | | | **303.00** |
| **18.17** | **Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end).** | | | | |
| **18.17.1** | **25 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1927 | Brass full way valve with C.I. wheel (screwed end) 25 mm dia | each | 1.00 | 325.75 | 325.75 |
| 9999 | Carriage of materials and fixing charges | L.S. | 10.79 | 1.80 | 19.42 |
| | TOTAL | | | | 345.18 |
| | Add Water Charges @ 1% | | | | 3.45 |
| | TOTAL | | | | 348.63 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 48.98 |
| | Total | | | | 397.61 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 59.64 |
| | Cost of each | | | | 457.25 |
| | Add 1% labour cess | | | | 4.57 |
| | **Rate** | each | | | 461.80 |
| **18.17.2** | **32 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1928 | Brass full way valve with C.I. wheel (screwed end) 32 mm dia | each | 1 | 381.60 | 381.60 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Carriage of materials and fixing charge | L.S. | 12.22 | 1.8 | 22.00 | |
| | TOTAL | | | | 403.59 | |
| | Add Water Charges @ 1% | | | | 4.04 | |
| | TOTAL | | | | 407.63 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 57.27 | |
| | Total | | | | 464.90 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 69.74 | |
| | Cost of each | | | | 534.64 | |
| | Add 1% labour cess | | | | 5.35 | |
| | **Rate** | each | | | **540.00** | |
| **18.17.3** | **40 mm nominal bore.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1929 | Brass full way valve with C.I. wheel (screwed end) 40 mm dia | each | 1 | 446.75 | 446.75 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.8 | 24.34 | |
| | TOTAL | | | | 471.08 | |
| | Add Water Charges @ 1% | | | | 4.71 | |
| | TOTAL | | | | 475.79 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 66.85 | |
| | Total | | | | 542.64 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 81.40 | |
| | Cost of each | | | | 624.04 | |
| | Add 1% labour cess | | | | 6.24 | |
| | **Rate** | each | | | **630.30** | |
| **18.17.4** | **50 mm nominal bore.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1930 | Brass full way valve with C.I. wheel (screwed end) 50 mm dia | each | 1 | 665.56 | 665.56 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 14.82 | 1.8 | 26.68 | |
| | TOTAL | | | | 692.24 | |
| | Add Water Charges @ 1% | | | | 6.92 | |
| | TOTAL | | | | 699.16 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 98.23 | |
| | Total | | | | 797.39 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 119.61 | |
| | Cost of each | | | | 917.00 | |
| | Add 1% labour cess | | | | 9.17 | |
| | **Rate** | each | | | **926.20** | |
| **18.17.5** | **65 mm nominal bore.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1931 | Brass full way valve with C.I. wheel (screwed end) 65 mm dia | each | 1 | 1005.18 | 1005.18 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 16.12 | 1.8 | 29.02 | |
| | TOTAL | | | | 1034.20 | |
| | Add Water Charges @ 1% | | | | 10.34 | |
| | TOTAL | | | | 1044.54 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 146.76 | |
| | Total | | | | 1191.30 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 178.69 | |
| | Cost of each | | | | 1369.99 | |
| | Add 1% labour cess | | | | 13.70 | |
| | **Rate** | each | | | **1383.70** | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **18.17.6** | **80 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1932 | Brass full way valve with C.I. wheel (screwed end) 80 mm dia | each | 1 | 1507.77 | 1507.77 |
| 9999 | Carriage of materials and fixing charges | L.S. | 18.85 | 1.8 | 33.93 |
| | TOTAL | | | | 1541.70 |
| | Add Water Charges @ 1% | | | | 15.42 |
| | TOTAL | | | | 1557.12 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 218.78 |
| | Total | | | | 1775.89 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 266.38 |
| | Cost of each | | | | 2042.28 |
| | Add 1% labour cess | | | | 20.42 |
| | **Rate** | each | | | **2062.70** |
| **18.18** | **Providing and fixing ball valve (brass) of approved quality, High or low pressure,with plastic floats complete.** | | | | |
| **18.18.1** | **15 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1922 | H.P. or L.P. ball valve with polythene floats: 15 mm dia | e ach | 1 | 195.45 | 195.45 |
| 9999 | Carriage of materials and fixing charges | L.S. | 21.58 | 1.8 | 38.84 |
| | TOTAL | | | | 234.30 |
| | Add Water Charges @ 1% | | | | 2.34 |
| | TOTAL | | | | 236.64 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 33.25 |
| | Total | | | | 269.89 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 40.48 |
| | Cost of each | | | | 310.37 |
| | Add 1% labour cess | | | | 3.10 |
| | **Rate** | each | | | **313.50** |
| **18.18.2** | **20 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1923 | H.P. or L.P. ball valve with polythene floats: 20 mm dia | e ach | 1 | 218.72 | 218.72 |
| 9999 | Carriage of materials and fixing charges | L.S. | 26.91 | 1.8 | 48.44 |
| | TOTAL | | | | 267.16 |
| | Add Water Charges @ 1% | | | | 2.67 |
| | TOTAL | | | | 269.83 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 37.91 |
| | Total | | | | 307.74 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 46.16 |
| | Cost of each | | | | 353.90 |
| | Add 1% labour cess | | | | 3.54 |
| | **Rate** | each | | | **357.40** |
| **18.18.3** | **25 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1924 | H.P. or L.P. ball valve with polythene floats: 25 mm dia | e ach | 1 | 214.07 | 214.07 |
| 9999 | Carriage of materials and fixing charges | L.S. | 32.24 | 1.8 | 58.03 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 272.10 | |
| | Add Water Charges @ 1% | | | | 2.72 | |
| | TOTAL | | | | 274.82 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 38.61 | |
| | Total | | | | 313.43 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 47.01 | |
| | Cost of each | | | | 360.45 | |
| | Add 1% labour cess | | | | 3.60 | |
| | **Rate** | each | | | **364.10** | |
| **18.19** | **Providing and fixing gun metal non-return valve of approved quality (screwed end).** | | | | | |
| **18.19.1** | **25 mm nominal bore.** | | | | | |
| **18.19.1.1** | **Horizontal.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1933 | Gunmetal non-return valve-horizontal (screwed end) 25 mm dia | each | 1 | 307.14 | 307.14 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 331.47 | |
| | Add Water Charges @ 1% | | | | 3.31 | |
| | TOTAL | | | | 334.79 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 47.04 | |
| | Total | | | | 381.83 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 57.27 | |
| | Cost of each | | | | 439.10 | |
| | Add 1% labour cess | | | | 4.39 | |
| | **Rate** | each | | | **443.50** | |
| **18.19.1.2** | **Vertical.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3080 | Gunmetal non-return valve - vertical (screwed end) 25 mm dia | each | 1 | 325.75 | 325.75 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 350.09 | |
| | Add Water Charges @ 1% | | | | 3.50 | |
| | TOTAL | | | | 353.59 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 49.68 | |
| | Total | | | | 403.27 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 60.49 | |
| | Cost of each | | | | 463.76 | |
| | Add 1% labour cess | | | | 4.64 | |
| | **Rate** | each | | | **468.40** | |
| **18.19.2** | **32 mm nominal bore.** | | | | | |
| **18.19.2.1** | **Horizontal.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1934 | Gunmetal non-return valve-horizontal (screwed end) 32 mm dia | each | 1 | 418.83 | 418.83 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 14.82 | 1.80 | 26.68 | |
| | TOTAL | | | | 445.50 | |
| | Add Water Charges @ 1% | | | | 4.46 | |
| | TOTAL | | | | 449.96 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 63.22 | |
| | Total | | | | 513.18 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 76.98 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost of each | | | | 590.15 |
| | Add 1% labour cess | | | | 5.90 |
| | **Rate** | each | | | **596.10** |
| **18.19.2.2** | **Vertical.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3084 | Gunmetal non-return valve - vertical (screwed end) 32 mm dia | each | 1 | 465.36 | 465.36 |
| 9999 | Carriage of materials and fixing charges | L.S. | 14.82 | 1.80 | 26.68 |
| | TOTAL | | | | 492.04 |
| | Add Water Charges @ 1% | | | | 4.92 |
| | TOTAL | | | | 496.96 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 69.82 |
| | Total | | | | 566.78 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 85.02 |
| | Cost of each | | | | 651.80 |
| | Add 1% labour cess | | | | 6.52 |
| | **Rate** | each | | | **658.30** |
| **18.19.3** | **40 mm nominal bore.** | | | | |
| **18.19.3.1** | **Horizontal.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1935 | Gunmetal non-return valve-horizontal (screwed end) 40 mm dia | each | 1 | 521.21 | 521.21 |
| 9999 | Carriage of materials and fixing charges | L.S. | 16.12 | 1.80 | 29.02 |
| | TOTAL | | | | 550.22 |
| | **Add Water Charges @ 1%** | | | | **5.50** |
| | TOTAL | | | | 555.72 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 78.08 |
| | Total | | | | 633.80 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 95.07 |
| | Cost of each | | | | 728.87 |
| | Add 1% labour cess | | | | 7.29 |
| | **Rate** | each | | | **736.20** |
| **18.19.3.2** | **Vertical.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3088 | Gunmetal non-return valve - vertical (screwed end) 40 mm dia | each | 1 | 651.51 | 651.51<br>0.00 |
| 9999 | Carriage of materials and fixing charges | L.S. | 16.12 | 1.8 | 29.02 |
| | TOTAL | | | | 680.52 |
| | Add Water Charges @ 1% | | | | 6.81 |
| | TOTAL | | | | 687.33 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 96.57 |
| | Total | | | | 783.90 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 117.58 |
| | Cost of each | | | | 901.48 |
| | Add 1% labour cess | | | | 9.01 |
| | **Rate** | each | | | **910.50** |
| **18.19.4** | **50 mm nominal bore.** | | | | |
| **18.19.4.1** | **Horizontal.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1936 | Gunmetal non-return valve-horizontal | each | 1 | 763.19 | 763.19 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | (screwed | | | | | |
| | end) 50 mm dia | | | | | |
| 9999 | Carriage of materials and fixing charges | L.S. | 17.55 | 1.8 | 31.59 | |
| | TOTAL | | | | 794.78 | |
| | Add Water Charges @ 1% | | | | 7.95 | |
| | TOTAL | | | | 802.73 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 112.78 | |
| | Total | | | | 915.51 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 137.33 | |
| | Cost of each | | | | 1052.84 | |
| | Add 1% labour cess | | | | 10.53 | |
| | **Rate** | each | | | **1063.40** | |
| **18.19.4.2** | **Vertical.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3092 | Gunmetal non-return valve - vertical | each | 1 | 837.65 | 837.65 | |
| | (screwed end) 50 mm dia | | | | 0.00 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 17.55 | 1.8 | 31.59 | |
| | TOTAL | | | | 869.24 | |
| | Add Water Charges @ 1% | | | | 8.69 | |
| | TOTAL | | | | 877.93 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 123.35 | |
| | Total | | | | 1001.28 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 150.19 | |
| | Cost of each | | | | 1151.48 | |
| | Add 1% labour cess | | | | 11.51 | |
| | **Rate** | each | | | **1163.00** | |
| **18.19.5** | **65 mm nominal bore.** | | | | | |
| **18.19.5.1** | **Horizontal.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1937 | Gunmetal non-return valve-horizontal | each | 1 | 1386.78 | 1386.78 | |
| | (screwed end) 65 mm dia | | | | 0.00 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 18.85 | 1.8 | 33.93 | |
| | TOTAL | | | | 1420.71 | |
| | Add Water Charges @ 1% | | | | 14.21 | |
| | TOTAL | | | | 1434.91 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 201.61 | |
| | Total | | | | 1636.52 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 245.48 | |
| | Cost of each | | | | 1882.00 | |
| | Add 1% labour cess | | | | 18.82 | |
| | **Rate** | each | | | **1900.80** | |
| **18.19.5.2** | **Vertical.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 3096 | Gunmetal non-return valve - vertical | each | 1 | 1396.09 | 1396.09 | |
| | screwed end) 65 mm dia | | | | 0.00 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 18.85 | 1.8 | 33.93 | |
| | TOTAL | | | | 1430.02 | |
| | Add Water Charges @ 1% | | | | 14.30 | |
| | TOTAL | | | | 1444.32 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 202.93 | |
| | Total | | | | 1647.24 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 247.09 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost of each | | | | 1894.33 |
| | Add 1% labour cess | | | | 18.94 |
| | **Rate** | each | | | **1913.30** |
| **18.19.6** | **80 mm nominal bore.** | | | | |
| **18.19.6.1** | **Horizontal.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1938 | Gunmetal non-return valve-horizontal | each | 1 | 1973.13 | 1973.13 |
| | (screwed end) 80 mm dia | | | | 0.00 |
| 9999 | Carriage of materials and fixing charges | L.S. | 20.28 | 1.8 | 36.50 |
| | TOTAL | | | | 2009.64 |
| | Add Water Charges @ 1% | | | | 20.10 |
| | TOTAL | | | | 2029.73 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 285.18 |
| | Total | | | | 2314.91 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 347.24 |
| | Cost of each | | | | 2662.15 |
| | Add 1% labour cess | | | | 26.62 |
| | **Rate** | each | | | **2688.80** |
| **18.19.6.2** | **Vertica.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 3300 | Gunmetal non-return valve - vertical | each | 1 | 2326.81 | 2326.81 |
| | (screwedend) 80 mm dia | | | | 0.00 |
| 9999 | Carriage of materials and fixing charges | L.S. | 20.28 | 1.80 | 36.50 |
| | TOTAL | | | | 2363.31 |
| | Add Water Charges @ 1% | | | | 23.63 |
| | TOTAL | | | | 2386.95 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 335.37 |
| | Total | | | | 2722.31 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 408.35 |
| | Cost of each | | | | 3130.66 |
| | Add 1% labour cess | | | | 31.31 |
| | **Rate** | each | | | **3162.00** |
| **18.20** | **Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main.** | | | | |
| **18.20.1** | **15 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1360 | C.I.mouth, brass ferrule 15 mm dia | each | 1 | 130.30 | 130.30 |
| 9999 | Carriage of materials and fixing charges | L.S. | 40.3 | 1.80 | 72.54 |
| | TOTAL | | | | 202.84 |
| | Add Water Charges @ 1% | | | | 2.03 |
| | TOTAL | | | | 204.87 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 28.78 |
| | Total | | | | 233.65 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 35.05 |
| | Cost of each | | | | 268.70 |
| | Add 1% labour cess | | | | 2.69 |
| | **Rate** | each | | | **271.40** |
| **18.20.2** | **20 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1361 | C.I.mouth, brass ferrule 20 mm dia | each | 1 | 148.92 | 148.92 |
| 9999 | Carriage of materials and fixing charges | L.S. | 47.19 | 1.80 | 84.94 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 240.22 | |
| | Add Water Charges @ 1% | | | | 2.40 | |
| | TOTAL | | | | 242.62 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 34.09 | |
| | Total | | | | 276.71 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 41.51 | |
| | Cost of each | | | | 318.21 | |
| | Add 1% labour cess | | | | 3.18 | |
| | **Rate** | each | | | **321.40** | |
| **18.20.3** | **25 mm nominal bore.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1362 | C.I.mouth, brass ferrule 25 mm dia | each | 1 | 204.76 | 204.76 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 53.82 | 1.80 | 96.88 | |
| | TOTAL | | | | 311.49 | |
| | Add Water Charges @ 1% | | | | 3.11 | |
| | TOTAL | | | | 314.60 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 44.20 | |
| | Total | | | | 358.80 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 53.82 | |
| | Cost of each | | | | 412.62 | |
| | Add 1% labour cess | | | | 4.13 | |
| | **Rate** | each | | | **416.70** | |
| **18.21** | **Providing and fixing uplasticised PVC connection pipe with brass unions.** | | | | | |
| **18.21.1** | **30 cm length.** | | | | | |
| **18.21.1.1** | **15 mm nominal bore.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1687 | Unplasticised P.V.C. connection pipe with brass union 30 cm long 15 mm bore | each | 1 | 2 7.92 | 27.92 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 12.22 | 1.80 | 22.00 | |
| | TOTAL | | | | 49.92 | |
| | Add Water Charges @ 1% | | | | 0.50 | |
| | TOTAL | | | | 50.42 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 7.08 | |
| | Total | | | | 57.50 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 8.63 | |
| | Cost of each | | | | 66.13 | |
| | Add 1% labour cess | | | | 0.66 | |
| | **Rate** | each | | | **66.80** | |
| **18.21.1.2** | **20 mm nominal bore.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1688 | Unplasticised P.V.C. connection pipe with brass union 30 cm long 20 mm bore | each | 1 | 3 2.58 | 32.58 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 12.22 | 1.8 | 22.00 | |
| | TOTAL | | | | 54.57 | |
| | Add Water Charges @ 1% | | | | 0.55 | |
| | TOTAL | | | | 55.12 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 7.74 | |
| | Total | | | | 62.86 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 9.43 | |
| | Cost of each | | | | 72.29 | |
| | Add 1% labour cess | | | | 0.72 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | **Rate** | each | | | **73.00** |
| **18.21.2** | **45 cm length.** | | | | |
| **18.21.2.1** | **15 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1689 | Unplasticised P.V.C. connection pipe with brass union 45 cm long 15 mm bore | each | 1 | 3 2.58 | 32.58 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.8 | 24.34 |
| | TOTAL | | | | 56.91 |
| | Add Water Charges @ 1% | | | | 0.57 |
| | TOTAL | | | | 57.48 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 8.08 |
| | Total | | | | 65.56 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 9.83 |
| | Cost of each | | | | 75.39 |
| | Add 1% labour cess | | | | 0.75 |
| | **Rate** | each | | | **76.10** |
| **18.21.2.2** | **20 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| 1690 | Unplasticised P.V.C. connection pipe with brass union 45 cm long 20 mm bore | each | 1 | 4 4.67 | 44.67 |
| | | | | | 0.00 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.8 | 24.34 |
| | TOTAL | | | | 69.01 |
| | Add Water Charges @ 1% | | | | 0.69 |
| | TOTAL | | | | 69.70 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 9.79 |
| | Total | | | | 79.49 (Y) |
| | **Add CPOH @ 15% on "Y"** | | | | **11.92** |
| | Cost of each | | | | 91.42 |
| | Add 1% labour cess | | | | 0.91 |
| | **Rate** | each | | | **92.30** |
| **18.22** | **Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet.** | | | | |
| **18.22.1** | **100 mm diameter.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1878 | Shower rose C.P. brass for 15 to 20 mm inlet 100 mm dia | each | 1 | 46.5 4 | 46.54 |
| 9999 | Carriage of materials and fixing charges | L.S. | 6.76 | 1.8 | 12.17 |
| | TOTAL | | | | 58.70 |
| | Add Water Charges @ 1% | | | | 0.59 |
| | TOTAL | | | | 59.29 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 8.33 |
| | Total | | | | 67.62 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 10.14 |
| | Cost of each | | | | 77.76 |
| | Add 1% labour cess | | | | 0.78 |
| | **Rate** | each | | | **78.50** |
| **18.22.2** | **150 mm diameter.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1879 | Shower rose C.P.brass for 15 to 20 mm inlet 150 mm dia | each | 1 | 55.84 | 55.84 |
| 9999 | Carriage of materials and fixing charges | L.S. | 8.06 | 1.8 | 14.51 |
| | TOTAL | | | | 70.35 |
| | Add Water Charges @ 1% | | | | 0.70 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 71.05 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 9.98 | |
| | Total | | | | 81.04 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 12.16 | |
| | Cost of each | | | | 93.19 | |
| | Add 1% labour cess | | | | 0.93 | |
| | **Rate** | each | | | **94.10** | |
| **18.23** | **Laying in position centrifugally cast (spun) iron S&S or flanged pipes (excluding cost of pipe).** | | | | | |
| | Details of cost for 5.14 quintal. | | | | | |
| | 10 m of 200 mm dia C.I. pipe class 'A' | | | | | |
| | Weight = (2x257) = 514kg = 5.14 quintal | | | | | |
| | Labour for laying pipe | | | | | |
| 116 | Fitter (grade 1) | day | 0.17 | 348.00 | 59.16 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.17 | 305.00 | 51.85 | |
| 114 | Beldar | day | 1.33 | 254.00 | 337.82 | |
| 9999 | Sundries | L.S. | 16.12 | 1.8 | 29.02 | |
| | TOTAL | | | | 477.85 | |
| | Add Water Charges @ 1% | | | | 4.78 | |
| | TOTAL | | | | 482.62 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 67.81 | |
| | Total | | | | 550.43 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 82.56 | |
| | Cost of 5.14 quintal | | | | 633.00 | |
| | Cost of 1 quintal | | | | 123.15 | |
| | Add 1% labour cess | | | | 1.23 | |
| | **Rate** | **quintal** | | | **124.40** | |
| **18.24** | **Laying in position S&S or flanged C.I. special such as tees, bends, collars, tapers and caps etc. (excluding cost of specials).** | | | | | |
| | Details of cost for 7 quintal. | | | | | |
| | 10 Nos. Tee 200x150mm Weight = 70x10 = 700kg. | | | | | |
| | Labour for laying tee | | | | | |
| 116 | Fitter (grade 1) | day | 0.93 | 348.00 | 323.64 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.62 | 305.00 | 189.10 | |
| 114 | Beldar | day | 2.48 | 254.00 | 629.92 | |
| 9999 | Sundries | L.S. | 40.17 | 1.8 | 72.31 | |
| | TOTAL | | | | 1214.97 | |
| | Add Water Charges @ 1% | | | | 12.15 | |
| | TOTAL | | | | 1227.12 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 172.41 | |
| | Total | | | | 1399.53 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 209.93 | |
| | Cost of 7 quintal | | | | 1609.45 | |
| | Cost of 1 quintal | | | | 313.12 | |
| | Add 1% labour cess | | | | 3.13 | |
| | **Rate** | **quintal** | | | **316.30** | |
| **18.25** | **Providing and laying S&S C.I. standard specials such as tees, bends, collars, tapers,caps etc. (Heavy class).** | | | | | |
| **18.25.1** | **Upto 300 mm dia** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Details of cost for 1 quintal. | | | | | |
| | MATERIAL: | | | | | |
| 1464 | S & S.C.I. standard specials upto 300 mm dia (heavy class) | quintal | 1 | 3350.60 | 3350.60 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.1 | 96.07 | 9.61 | |
| | LABOUR: | | | | | |
| | For laying | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 1 | 313.12 | 313.12 | A |
| | TOTAL | | | | 3673.33 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 33.60 | |
| | TOTAL | | | | 3706.94 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 476.83 | |
| | Total | | | | 4183.77 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 580.60 | |
| | Cost of 1 quintal | | | | 4764.36 | |
| | Add 1% labour cess | | | | 47.64 | |
| | **Rate** | **quintal** | | | **4812.00** | |
| **18.25.2** | **Over 300 mm dia.** | | | | | |
| | Details of cost for 1 quintal. | | | | | |
| | MATERIAL: | | | | | |
| 1466 | S & S.C.I. standard specials over 300 mm dia (heavy class) | quintal | 1 | 3443.68 | 3443.68 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.1 | 96.07 | 9.61 | |
| | LABOUR: | | | | | |
| | For laying | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 1 | 313.12 | 313.12 | A |
| | TOTAL | | | | 3766.41 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 34.53 | |
| | TOTAL | | | | 3800.94 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 490.04 | |
| | Total | | | | 4290.98 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 596.68 | |
| | Cost of 1 quintal | | | | 4887.66 | |
| | Add 1% labour cess | | | | 48.88 | |
| | **Rate** | **quintal** | | | **4936.50** | |
| **18.26** | **Providing and laying flanged C.I. standard specials such as tees, bends, collars, tapers, caps etc., suitable for flanged jointing as per IS : 1538.** | | | | | |
| **18.26.1** | **Upto 300 mm dia.** | | | | | |
| | Details of cost for 1 quintal. | | | | | |
| | MATERIAL: | | | | | |
| 1468 | Flanged C.I. standard specials upto 300 mm dia (heavy class) | quintal | 1 | 5118.98 | 5118.98 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.1 | 96.07 | 9.61 | |
| | LABOUR: | | | | | |
| | For laying | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water | quintal | 1 | 313.12 | 313.12 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | supply | | | | | |
| | TOTAL | | | | 5441.71 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 51.29 | |
| | TOTAL | | | | 5492.99 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 727.77 | |
| | Total | | | | 6220.77 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 886.15 | |
| | Cost of 1 quintal | | | | 7106.91 | |
| | Add 1% labour cess | | | | 71.07 | |
| | **Rate** | **quintal** | | | **7178.00** | |
| **18.26.2** | **Over 300 mm dia.** | | | | | |
| | Details of cost for 1 quintal. | | | | | |
| | MATERIAL: | | | | | |
| 1470 | Flanged C.I. standard specials over 300 mm dia (heavy class) | quintal | 1 | 5118.98 | 5118.98 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.1 | 96.07 | 9.61 | |
| | LABOUR: | | | | | |
| | For laying | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 1 | 313.12 | 313.12 | A |
| | TOTAL | | | | 5441.71 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 51.29 | |
| | TOTAL | | | | 5492.99 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 727.77 | |
| | Total | | | | 6220.77 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 886.15 | |
| | Cost of 1 quintal | | | | 7106.91 | |
| | Add 1% labour cess | | | | 71.07 | |
| | **Rate** | **quintal** | | | **7178.00** | |
| **18.27** | **Providing and laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536.** | | | | | |
| **18.27.1** | **100 mm dia pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 100mm dia. spun iron pipes (in 5.5 m lengths) weightof 1m pipe = 19.820 kg | | | | | |
| | Weight of 10m pipes 19.820x10= 198.20 kg | | | | | |
| 7697 | S&S Centrifugally (Spun) C.I. Pipe class LA 100 mm dia | metre | 10 | 837.65 | 8376.51 | |
| 2319 | Carriage of Spun iron S & S pipes 100 mm dia Labour for laying | 100 metre | 10 | 236.24 | 23.62 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 1.98 | 123.15 | 243.84 | A |
| | TOTAL | | | | 8643.97 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 84.00 | |
| | TOTAL | | | | 8727.98 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 1192.02 | |
| | Total | | | | 9920.00 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 1451.42 | |
| | Cost of 10 metre | | | | 11371.42 | |
| | Cost of 1 metre | | | | 1137.14 | |
| | Add 1% labour cess | | | | 11.37 | |
| | **Rate** | **per m** | | | **1148.50** | |
| **18.27.2** | **125 mm dia pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 125mm dia. spun iron pipes (in 5.5 m lengths) weightof 1m pipe = 25.82 kg | | | | | |
| | Weight of 10m pipes 25.820x10 = 258.20 kg | | | | | |
| 7698 | S&S Centrifugally (Spun) C.I. Pipe class LA 125 mm dia | metre | 10 | 1042.41 | 10424.10 | |
| 2320 | Carriage of Spun iron S & S pipes 125 mm dia Labour for laying | 100 metre | 10 | 315.55 | 31.56 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 2.58 | 123.15 | 317.73 | A |
| | TOTAL | | | | 10773.39 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 104.56 | |
| | TOTAL | | | | 10877.94 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 1483.71 | |
| | Total | | | | 12361.65 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 1806.59 | |
| | Cost of 10 metre | | | | 14168.24 | |
| | Cost of 1 metre | | | | 1416.82 | |
| | Add 1% labour cess | | | | 14.17 | |
| | **Rate** | **per m** | | | **1431.00** | |
| **18.27.3** | **150 mm dia pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 150mm dia. spun iron pipes (in 5.5 m lengths) weight of 1m pipe = 32.18 kg | | | | | |
| | Weight of 10m pipes 32.18x10 = 321.80 kg | | | | | |
| 7699 | S&S Centrifugally (Spun) C.I. Pipe class LA 150 mm dia | metre | 10 | 1256.48 | 12564.77 | |
| 2321 | Carriage of Spun iron S & S pipes 150 mm dia Labour for laying | 100 metre | 10 | 393.73 | 39.37 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 3.22 | 123.15 | 396.55 | A |
| | TOTAL | | | | 13000.69 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 126.04 | |
| | TOTAL | | | | 13126.73 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 1788.59 | |
| | Total | | | | 14915.32 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 2177.82 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost of 10 metre | | | | 17093.13 | |
| | Cost of 1 metre | | | | 1709.31 | |
| | Add 1% labour cess | | | | 17.09 | |
| | **Rate** | **per m** | | | **1726.40** | |
| **18.27.4** | **200 mm dia pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 200mm dia. spun iron pipes (in 5.5 m lengths) weight of 1m pipe = 47.090 kg | | | | | |
| | Weight of 10m pipes 47.090x10 = 470.90 kg | | | | | |
| 7700 | S&S Centrifugally (Spun) C.I. Pipe class LA 200 mm dia | metre | 10 | 2140.66 | 21406.64 | |
| 2322 | Carriage of Spun iron S & S pipes 200 mm dia Labour for laying | 100 metre | 10 | 640.46 | 64.05 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 4.71 | 123.15 | 580.04 | A |
| | TOTAL | | | | 22050.73 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 214.71 | |
| | TOTAL | | | | 22265.43 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 3046.80 | |
| | Total | | | | 25312.23 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 3709.83 | |
| | Cost of 10 metre | | | | 29022.06 | |
| | Cost of 1 metre | | | | 2902.21 | |
| | Add 1% labour cess | | | | 29.02 | |
| | **Rate** | **per m** | | | **2931.20** | |
| **18.27.5** | **250 mm dia pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 250mm dia. spun iron pipes (in 5.5 m lengths) weightof 1m pipe = 63.450 kg | | | | | |
| | Weight of 10m pipes 63.450x10 = 634.50 kg | | | | | |
| 7701 | S&S Centrifugally (Spun) C.I. Pipe class LA 250 mm dia | metre | 10 | 2792.17 | 27921.70 | |
| 2323 | Carriage of Spun iron S & S pipes 250 mm dia Labour for laying | 100 metre | 10 | 910.13 | 91.01 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 6.35 | 123.15 | 782.01 | A |
| | TOTAL | | | | 28794.73 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 280.13 | |
| | TOTAL | | | | 29074.85 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 3975.14 | |
| | Total | | | | 33050.00 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 4840.20 | |
| | Cost of 10 metre | | | | 37890.20 | |
| | Cost of 1 metre | | | | 3789.02 | |
| | Add 1% labour cess | | | | 37.89 | |
| | **Rate** | **per m** | | | **3826.90** | |
| 18.27.6 | 300 mm dia pipe. | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 18.27.6 | 300 mm dia pipe. | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 300mm dia. spun iron pipes (in 5.5 m lengths) | | | | | |
| | weight of 1m pipe = 81.820 kg | | | | | |
| | Weight of 10m pipes 81.820x10 = 818.20 kg | | | | | |
| 7702 | S&S Centrifugally (Spun) C.I. Pipe class LA 300 mm dia | metre | 10 | 3769.43 | 37694.30 | |
| 2324 | Carriage of Spun iron S & S pipes 300 mm. dia Labour for laying | 100 metre | 10 | 1124.93 | 112.49 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 8.18 | 123.15 | 1007.38 | A |
| | TOTAL | | | | 38814.17 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 378.07 | |
| | TOTAL | | | | 39192.24 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 5364.97 | |
| | Total | | | | 44557.21 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 6532.47 | |
| | Cost of 10 metre | | | | 51089.68 | |
| | Cost of 1 metre | | | | 5108.97 | |
| | Add 1% labour cess | | | | 51.09 | |
| | **Rate** | **per m** | | | **5160.10** | |
| 18.27.7 | 350 mm dia pipe. | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 350mm dia. spun iron pipes (in 5.5 m lengths) | | | | | |
| | weight of 1m pipe = 103.10 kg | | | | | |
| | Weight of 10m pipes 103.10x10 =1031.00 kg | | | | | |
| 7703 | S&S Centrifugally (Spun) C.I. Pipe class LA 350 mm dia | metre | 10 | 4514.01 | 45140.09 | |
| 2325 | Carriage of Spun iron S & S pipes 350 mm dia Labour for laying | 100 metre | 10 | 1574.90 | 157.49 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 10.31 | 123.15 | 1269.69 | A |
| | TOTAL | | | | 46567.27 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 452.98 | |
| | TOTAL | | | | 47020.24 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 6427.95 | |
| | Total | | | | 53448.19 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 7826.78 | |
| | Cost of 10 metre | | | | 61274.97 | |
| | Cost of 1 metre | | | | 6127.50 | |
| | Add 1% labour cess | | | | 61.27 | |
| | **Rate** | **per m** | | | **6188.80** | |
| 18.27.8 | 400 mm dia pipe. | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 400mm dia. spun iron pipes (in 5.5 m lengths) | | | | | |
| | weight of 1m pipe = 125.40 kg | | | | | |
| | Weight of 10m pipes 125.450x10 = 1254.50 | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | kg | | | | | |
| 7704 | S&S Centrifugally (Spun) C.I. Pipe class LA 400 mm dia | metre | 10 | 5956.63 | 59566.30 | |
| 2326 | Carriage of Spun iron S & S pipes 400 mm dia Labour for laying | 100 metre | 10 | 2147.59 | 214.76 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 12.55 | 123.15 | 1545.55 | A |
| | TOTAL | | | | 61326.61 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 597.81 | |
| | TOTAL | | | | 61924.42 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 8483.23 | |
| | Total | | | | 70407.65 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 10329.31 | |
| | Cost of 10 metre | | | | 80736.96 | |
| | Cost of 1 metre | | | | 8073.70 | |
| | Add 1% labour cess | | | | 80.74 | |
| | **Rate** | **per m** | | | **8154.40** | |
| **18.27.9** | **450 mm dia pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 450mm dia. spun iron pipes (in 5.5 m lengths) weight of 1m pipe = 151.27 kg | | | | | |
| | Weight of 10m pipes 151.270x 10 = 1512.70 kg | | | | | |
| 7705 | S&S Centrifugally (Spun) C.I. Pipe class LA 450 mm dia | metre | 10 | 7213.11 | 72131.06 | |
| 2327 | Carriage of Spun iron S & S pipes 450 mm dia Labour for laying | 100 metre | 10 | 2624.84 | 262.48 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 15.13 | 123.15 | 1863.28 | A |
| | TOTAL | | | | 74256.83 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 723.94 | |
| | TOTAL | | | | 74980.76 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 10273.01 | |
| | Total | | | | 85253.77 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 12508.57 | |
| | Cost of 10 metre | | | | 97762.34 | |
| | Cost of 1 metre | | | | 9776.23 | |
| | Add 1% labour cess | | | | 97.76 | |
| | **Rate** | **per m** | | | **9874.00** | |
| **18.27.10** | **500 mm dia pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 500mm dia. spun iron pipes (in 5.5 m lengths) weight of 1m pipe = 177.09 kg | | | | | |
| | Weight of 10m pipes 177.090x10 = 1770.90 kg | | | | | |
| 7706 | S&S Centrifugally (Spun) C.I. Pipe class LA 500 mm dia | metre | 10 | 8376.51 | 83765.11 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 2328 | Carriage of Spun iron S & S pipes 500 mm dia Labour for laying | 100 metre | 10 | 2624.84 | 262.48 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 17.71 | 123.15 | 2181.01 | A |
| | TOTAL | | | | 86208.60 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 840.28 | |
| | TOTAL | | | | 87048.88 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 11923.94 | |
| | Total | | | | 98972.81 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 14518.77 | |
| | Cost of 10 metre | | | | 113491.58 | |
| | Cost of 1 metre | | | | 11349.16 | |
| | Add 1% labour cess | | | | 113.49 | |
| | **Rate** | **per m** | | | **11462.60** | |
| **18.27.11** | **600 mm dia pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 600mm dia. spun iron pipes (in 5.5 m lengths) weight of 1m pipe = 236.00 kg | | | | | |
| | Weight of 10m pipes 236.000x10 = 2360.00 kg | | | | | |
| 7707 | S&S Centrifugally (Spun) C.I. Pipe class LA 600 mm dia | metre | 10 | 11722.46 | 117224.61 | |
| 2329 | Carriage of Spun iron S & S pipes 600mm dia Labour for laying | 100 metre | 10 | 3937.25 | 393.73 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 23.6 | 123.15 | 2906.37 | A |
| | TOTAL | | | | 120524.71 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1176.18 | |
| | TOTAL | | | | 121700.89 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 16690.63 | |
| | Total | | | | 138391.52 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 20322.77 | |
| | Cost of 10 metre | | | | 158714.30 | |
| | Cost of 1 metre | | | | 15871.43 | |
| | Add 1% labour cess | | | | 158.71 | |
| | **Rate** | **per m** | | | **16030.10** | |
| **18.28** | **Providing lead caulked joints to spun iron or C.I. pipes and specials including testing of joints but excluding the cost of pig lead.** | | | | | |
| **18.28.1** | **100 mm diameter pipe.** | | | | | |
| | Details of cost for 10 joints. | | | | | |
| | MATERIAL: | | | | | |
| 1881 | Spun yarn 0.17x 10 =1.70 kg | kilogram | 1.7 | 46.54 | 79.11 | |
| 761 | Fuel wood | quintal | 0.28 | 465.36 | 130.30 | |
| 771 | Kerosene oil | litre | 0.38 | 41.88 | 15.92 | |
| 9999 | Sundries | L.S. | 6.76 | 1.8 | 12.17 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Carriage of materials | L.S. | 5.33 | 1.8 | 9.59 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 1 | 348.00 | 348.00 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1 | 305.00 | 305.00 | |
| 114 | Beldar | day | 2 | 254.00 | 508.00 | |
| | TOTAL | | | | 1408.09 | |
| | Add Water Charges @ 1% | | | | 14.08 | |
| | TOTAL | | | | 1422.17 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 199.82 | |
| | Total | | | | 1621.99 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 243.30 | |
| | Cost of 10 nos | | | | 1865.28 | |
| | Cost of each | | | | 186.53 | |
| | Add 1% labour cess | | | | 1.87 | |
| | **Rate** | **Each** | | | **188.40** | |
| **18.28.2** | **125 mm diameter pipe** | | | | | |
| | Details of cost for 10 joints. | | | | | |
| | MATERIAL: | | | | | |
| 1881 | Spun yarn | kilogram | 2 | 46.54 | 93.07 | |
| | 0.20x10=2.00 kg | | | | | |
| 761 | Fuel wood | quintal | 0.37 | 465.3617 | 172.18 | |
| 771 | Kerosene oil | litre | 0.76 | 41.88255 | 31.83 | |
| 9999 | Sundries | L.S. | 9.49 | 1.8 | 17.08 | |
| 9999 | Carriage of materials | L.S. | 9.49 | 1.8 | 17.08 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 1.5 | 348.00 | 522.00 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1.5 | 305.00 | 457.50 | |
| 114 | Beldar | day | 3 | 254.00 | 762.00 | |
| | TOTAL | | | | 2072.75 | |
| | Add Water Charges @ 1% | | | | 20.73 | |
| | TOTAL | | | | 2093.48 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 294.13 | |
| | Total | | | | 2387.61 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 358.14 | |
| | Cost of 10 nos | | | | 2745.75 | |
| | Cost of each | | | | 274.58 | |
| | Add 1% labour cess | | | | 2.75 | |
| | **Rate** | **Each** | | | **277.30** | |
| **18.28.3** | **150 mm diameter pipe.** | | | | | |
| | Details of cost for 10 joints. | | | | | |
| | MATERIAL: | | | | | |
| 1881 | Spun yarn | kilogram | 2.3 | 46.53617 | 107.03 | |
| | 0.23x10=2.30 kg | | | | | |
| 761 | Fuel wood | quintal | 0.42 | 465.3617 | 195.45 | |
| 771 | Kerosene oil | litre | 0.76 | 41.88255 | 31.83 | |
| 9999 | Sundries | L.S. | 10.79 | 1.8 | 19.42 | |
| 9999 | Carriage of materials | L.S. | 10.79 | 1.8 | 19.42 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 1.5 | 348.00 | 522.00 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1.5 | 305.00 | 457.50 | |
| 114 | Beldar | day | 3 | 254.00 | 762.00 | |
| | TOTAL | | | | 2114.66 | |
| | Add Water Charges @ 1% | | | | 21.15 | |
| | TOTAL | | | | 2135.81 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 300.08 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Total | | | | 2435.89 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 365.38 |
| | Cost of 10 nos | | | | 2801.27 |
| | Cost of each | | | | 280.13 |
| | Add 1% labour cess | | | | 2.80 |
| | **Rate** | **Each** | | | **282.90** |
| **18.28.4** | **200 mm diameter pipe.** | | | | |
| | Details of cost for 10 joints. | | | | |
| | MATERIAL: | | | | |
| 1881 | Spun yarn | kilogram | 3 | 46.53617 | 139.61 |
| | 0.3x10=3.00 kg | | | | |
| 761 | Fuel wood | quintal | 0.56 | 465.3617 | 260.60 |
| 771 | Kerosene oil | litre | 0.76 | 41.88255 | 31.83 |
| 9999 | Sundries | L.S. | 13.52 | 1.8 | 24.34 |
| 9999 | Carriage of materials | L.S. | 13.52 | 1.8 | 24.34 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 2 | 348.00 | 696.00 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 2 | 305.00 | 610.00 |
| 114 | Beldar | day | 4 | 254.00 | 1016.00 |
| | TOTAL | | | | 2802.71 |
| | Add Water Charges @ 1% | | | | 28.03 |
| | TOTAL | | | | 2830.74 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 397.72 |
| | Total | | | | 3228.46 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 484.27 |
| | Cost of 10 nos | | | | 3712.73 |
| | Cost of each | | | | 371.27 |
| | Add 1% labour cess | | | | 3.71 |
| | **Rate** | **Each** | | | **375.00** |
| **18.28.5** | **250 mm diameter pipe.** | | | | |
| | Details of cost for 10 joints. | | | | |
| | MATERIAL: | | | | |
| 1881 | Spun yarn | kilogram | 4 | 46.53617 | 186.14 |
| | 0.4x10=4.00 kg | | | | |
| 761 | Fuel wood | quintal | 0.65 | 465.3617 | 302.49 |
| 771 | Kerosene oil | litre | 1.14 | 41.88255 | 47.75 |
| 9999 | Sundries | L.S. | 17.55 | 1.8 | 31.59 |
| 9999 | Carriage of materials | L.S. | 17.55 | 1.8 | 31.59 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 2.5 | 348.00 | 870.00 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 2.5 | 305.00 | 762.50 |
| 114 | Beldar | day | 5 | 254.00 | 1270.00 |
| | TOTAL | | | | 3502.06 |
| | Add Water Charges @ 1% | | | | 35.02 |
| | TOTAL | | | | 3537.08 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 496.96 |
| | Total | | | | 4034.04 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 605.11 |
| | Cost of 10 nos | | | | 4639.14 |
| | Cost of each | | | | 463.91 |
| | Add 1% labour cess | | | | 4.64 |
| | **Rate** | **Each** | | | **468.60** |
| **18.28.6** | **300 mm diameter pipe.** | | | | |
| | Details of cost for 10 joints. | | | | |
| | MATERIAL: | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 1881 | Spun yarn | kilogram | 5.4 | 46.53617 | 251.30 | |
| | 0.54x10 =5.40 kg | | | | 0.00 | |
| 761 | Fuel wood | quintal | 0.75 | 465.3617 | 349.02 | |
| 771 | Kerosene oil | litre | 1.52 | 41.88255 | 63.66 | |
| 9999 | Sundries | L.S. | 20.28 | 1.8 | 36.50 | |
| 9999 | Carriage of materials | L.S. | 20.28 | 1.8 | 36.50 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 3 | 348.00 | 1044.00 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 3 | 305.00 | 915.00 | |
| 114 | Beldar | day | 6 | 254.00 | 1524.00 | |
| | TOTAL | | | | 4219.99 | |
| | Add Water Charges @ 1% | | | | 42.20 | |
| | TOTAL | | | | 4262.19 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 598.84 | |
| | Total | | | | 4861.02 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 729.15 | |
| | Cost of 10 nos | | | | 5590.18 | |
| | Cost of each | | | | 559.02 | |
| | Add 1% labour cess | | | | 5.59 | |
| | **Rate** | **Each** | | | **564.60** | |
| **18.28.7** | **350 mm diameter pipe.** | | | | | |
| | Details of cost for 10 joints.. | | | | | |
| | MATERIAL: | | | | | |
| 1881 | Spun yarn | kilogram | 6.2 | 46.53617 | 288.52 | |
| | 0.62x10=6.20 kg | | | | | |
| 761 | Fuel wood | quintal | 0.93 | 465.3617 | 432.79 | |
| 771 | Kerosene oil | litre | 1.7 | 41.88255 | 71.20 | |
| 9999 | Sundries | L.S. | 24.18 | 1.8 | 43.52 | |
| 9999 | Carriage of materials | L.S. | 24.18 | 1.8 | 43.52 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 3 | 348.00 | 1044.00 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 3 | 305.00 | 915.00 | |
| 114 | Beldar | day | 6 | 254.00 | 1524.00 | |
| | TOTAL | | | | 4362.56 | |
| | Add Water Charges @ 1% | | | | 43.63 | |
| | TOTAL | | | | 4406.18 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 619.07 | |
| | Total | | | | 5025.25 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 753.79 | |
| | Cost of 10 nos | | | | 5779.04 | |
| | Cost of each | | | | 577.90 | |
| | Add 1% labour cess | | | | 5.78 | |
| | **Rate** | **Each** | | | **583.70** | |
| **18.28.8** | **400 mm diameter pipe.** | | | | | |
| | Details of cost for 10 joints. | | | | | |
| | MATERIAL: | | | | | |
| 1881 | Spun yarn | kilogram | 7.4 | 46.53617 | 344.37 | |
| | 0.74x10=7.40 kg | | | | | |
| 761 | Fuel wood | quintal | 1.12 | 465.3617 | 521.21 | |
| 771 | Kerosene oil | litre | 1.7 | 41.88255 | 71.20 | |
| 9999 | Sundries | L.S. | 26.91 | 1.8 | 48.44 | |
| 9999 | Carriage of materials | L.S. | 26.91 | 1.8 | 48.44 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 4 | 348.00 | 1392.00 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 4 | 305.00 | 1220.00 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 114 | Beldar | day | 8 | 254.00 | 2032.00 | |
| | TOTAL | | | | 5677.65 | |
| | Add Water Charges @ 1% | | | | 56.78 | |
| | TOTAL | | | | 5734.43 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 805.69 | |
| | Total | | | | 6540.11 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 981.02 | |
| | Cost of 10 nos | | | | 7521.13 | |
| | Cost of each | | | | 752.11 | |
| | Add 1% labour cess | | | | 7.52 | |
| | **Rate** | **Each** | | | **759.60** | |
| **18.28.9** | **450 mm diameter pipe.** | | | | | |
| | Details of cost for 10 joints. | | | | | |
| | MATERIAL: | | | | | |
| 1881 | Spun yarn | kilogram | 7.9 | 46.53617 | 367.64 | |
| | 0.79x10=7.90 kg | | | | | |
| 761 | Fuel wood | quintal | 1.21 | 465.3617 | 563.09 | |
| 771 | Kerosene oil | litre | 2.27 | 41.88255 | 95.07 | |
| 9999 | Sundries | L.S. | 31.07 | 1.8 | 55.93 | |
| 9999 | Carriage of materials | L.S. | 31.07 | 1.8 | 55.93 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 4.5 | 348.00 | 1566.00 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 4.5 | 305.00 | 1372.50 | |
| 114 | Beldar | day | 9 | 254.00 | 2286.00 | |
| | TOTAL | | | | 6362.15 | |
| | Add Water Charges @ 1% | | | | 63.62 | |
| | TOTAL | | | | 6425.77 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 902.82 | |
| | Total | | | | 7328.59 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1099.29 | |
| | Cost of 10 nos | | | | 8427.88 | |
| | Cost of each | | | | 842.79 | |
| | Add 1% labour cess | | | | 8.43 | |
| | **Rate** | **Each** | | | **851.20** | |
| **18.28.10** | **500 mm diameter pipe.** | | | | | |
| | Details of cost for 10 joints. | | | | | |
| | MATERIAL: | | | | | |
| 1881 | Spun yarn | kilogram | 8.5 | 46.53617 | 395.56 | |
| | 0.85x10=8.50 kg | | | | | |
| 761 | Fuel wood | quintal | 1.31 | 465.3617 | 609.62 | |
| 771 | Kerosene oil | litre | 2.27 | 41.88255 | 95.07 | |
| 9999 | Sundries | L.S. | 33.67 | 1.8 | 60.61 | |
| 9999 | Carriage of materials | L.S. | 33.67 | 1.8 | 60.61 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 4.75 | 348.00 | 1653.00 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 4.75 | 305.00 | 1448.75 | |
| 114 | Beldar | day | 9.5 | 254.00 | 2413.00 | |
| | TOTAL | | | | 6736.22 | |
| | Add Water Charges @ 1% | | | | 67.36 | |
| | TOTAL | | | | 6803.58 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 955.90 | |
| | Total | | | | 7759.48 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1163.92 | |
| | Cost of 10 nos | | | | 8923.40 | |
| | Cost of each | | | | 892.34 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add 1% labour cess | | | | 8.92 |
| | **Rate** | **Each** | | | **901.30** |
| **18.28.11** | **600 mm diameter pipe.** | | | | |
| | Details of cost for 10 joints. | | | | |
| | MATERIAL: | | | | |
| 1881 | Spun yarn | kilogram | 10.2 | 46.53617 | 474.67 |
| | 1.02x10=10.20 kg | | | | |
| 761 | Fuel wood | quintal | 1.68 | 465.3617 | 781.81 |
| 771 | Kerosene oil | litre | 2.84 | 41.88255 | 118.95 |
| 9999 | Sundries | L.S. | 40.3 | 1.8 | 72.54 |
| 9999 | Carriage of materials | L.S. | 40.3 | 1.8 | 72.54 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 6.5 | 348.00 | 2262.00 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 6.5 | 305.00 | 1982.50 |
| 114 | Beldar | day | 13 | 254.00 | 3302.00 |
| | TOTAL | | | | 9067.00 |
| | Add Water Charges @ 1% | | | | 90.67 |
| | TOTAL | | | | 9157.67 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 1286.65 |
| | Total | | | | 10444.33 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1566.65 |
| | Cost of 10 nos | | | | 12010.98 |
| | Cost of each | | | | 1201.10 |
| | Add 1% labour cess | | | | 12.01 |
| | **Rate** | **Each** | | | **1213.10** |
| **18.29** | **Supplying pig lead at site of work.** | | | | |
| | Details of cost for 1 quintal. | | | | |
| | MATERIAL: | | | | |
| 1397 | Pig lead | kilogram | 100 | 128.44 | 12843.98 |
| 2341 | Carriage of pig lead | tonne | 0.1 | 96.07 | 9.61 |
| | TOTAL | | | | 12853.59 |
| | Add Water Charges @ 1% | | | | 128.54 |
| | TOTAL | | | | 12982.13 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 1823.99 |
| | Total | | | | 14806.11 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2220.92 |
| | Cost of 1 quintal | | | | 17027.03 |
| | Add 1% labour cess | | | | 170.27 |
| | **Rate** | **per quintal** | | | **17197.30** |
| **18.30** | **Providing flanged joints to double flanged C.I./ D.I. pipes and specials, including testing of joints.** | | | | |
| **18.30.1** | **80 mm diameter pipe.** | | | | |
| | Details of cost for 10 joints. | | | | |
| | MATERIAL: | | | | |
| 1373 | Rubber insertions for 80 mm dia pipe joints | each | 10 | 13.96 | 139.61 |
| 1956 | Bolts and nuts 16 mm dia 60 mm long | each | 40 | 10.24 | 409.52 |
| 9999 | Carriage of matonal | L.S. | 2.73 | 1.8 | 4.91 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.15 | 348.00 | 52.20 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.15 | 305.00 | 45.75 |
| 114 | Beldar | day | 0.8 | 254.00 | 203.20 |
| | TOTAL | | | | 855.19 |
| | Add Water Charges @ 1% | | | | 8.55 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 863.74 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 121.36 | |
| | Total | | | | 985.10 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 147.76 | |
| | Cost of 10 nos | | | | 1132.86 | |
| | Cost of each | | | | 113.29 | |
| | Add 1% labour cess | | | | 1.13 | |
| | **Rate** | **each** | | | **114.40** | |
| **18.30.2** | **100 mm diameter pipe.** | | | | | |
| | Details of cost for 10 joints. | | | | | |
| | MATERIAL: | | | | | |
| 1374 | Rubber insertions for 100 mm dia pipe joints | each | 10 | 16.75 | 167.53 | |
| 1956 | Bolts and nuts 16 mm dia 60 mm long | each | 80 | 10.23796 | 819.04 | |
| 9999 | Carriage of materials | L.S. | 4.16 | 1.8 | 7.49 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.25 | 348.00 | 87.00 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.25 | 305.00 | 76.25 | |
| 114 | Beldar | day | 1 | 254.00 | 254.00 | |
| | TOTAL | | | | 1411.30 | |
| | Add Water Charges @ 1% | | | | 14.11 | |
| | TOTAL | | | | 1425.42 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 200.27 | |
| | Total | | | | 1625.69 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 243.85 | |
| | Cost of 10 nos | | | | 1869.54 | |
| | Cost of each | | | | 186.95 | |
| | Add 1% labour cess | | | | 1.87 | |
| | **Rate** | **each** | | | **188.80** | |
| **18.30.3** | **125 mm diameter pipe.** | | | | | |
| | Details of cost for 10 joints. | | | | | |
| | MATERIAL: | | | | | |
| 1375 | Rubber insertions for 125 mm dia pipe joints | each | 10 | 18.61 | 186.14 | |
| 1957 | Bolts and nuts 16 mm dia 65 mm long | each | 80 | 11.17 | 893.49 | |
| 9999 | Carriage of materials | L.S. | 4.16 | 1.8 | 7.49 | |
| | LABOUR: | | | | 0.00 | |
| 116 | Fitter (grade 1) | day | 0.25 | 348.00 | 87.00 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.25 | 305.00 | 76.25 | |
| 114 | Beldar | day | 1 | 254.00 | 254.00 | |
| | TOTAL | | | | 1504.38 | |
| | Add Water Charges @ 1% | | | | 15.04 | |
| | TOTAL | | | | 1519.42 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 213.48 | |
| | Total | | | | 1732.90 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 259.93 | |
| | Cost of 10 nos | | | | 1992.83 | |
| | Cost of each | | | | 199.28 | |
| | Add 1% labour cess | | | | 1.99 | |
| | **Rate** | **each** | | | **201.30** | |
| **18.30.4** | **150 mm diameter pipe.** | | | | | |
| | Details of cost for 10 joints. | | | | | |
| | MATERIAL: | | | | | |
| 1376 | Rubber insertions for 150 mm dia pipe joints | each | 10 | 18.61 | 186.14 | |
| 1958 | Bolts and nuts 20 mm dia 65 mm long | each | 80 | 13.96 | 1116.87 | |
| 9999 | Carriage of materials | L.S. | 4.16 | 1.8 | 7.49 | |
| | LABOUR: | | | | 0.00 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 116 | Fitter (grade 1) | day | 0.3 | 348.00 | 104.40 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.3 | 305.00 | 91.50 | |
| 114 | Beldar | day | 1.1 | 254.00 | 279.40 | |
| | TOTAL | | | | 1785.80 | |
| | Add Water Charges @ 1% | | | | 17.86 | |
| | TOTAL | | | | 1803.66 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 253.41 | |
| | Total | | | | 2057.07 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 308.56 | |
| | Cost of 10 nos | | | | 2365.63 | |
| | Cost of each | | | | 236.56 | |
| | Add 1% labour cess | | | | 2.37 | |
| | **Rate** | **each** | | | **238.90** | |
| **18.30.5** | **200 mm diameter pipe.** | | | | | |
| | Details of cost for 10 joints. | | | | | |
| | MATERIAL: | | | | | |
| 1377 | Rubber insertions for 200 mm dia pipe joints | each | 10 | 23.27 | 232.68 | |
| 1959 | Bolts and nuts 20 mm dia 70 mm long | each | 80 | 15.82 | 1265.78 | |
| 9999 | Carriage of materials | L.S. | 4.16 | 1.8 | 7.49 | |
| | LABOUR: | | | | 0.00 | |
| 116 | Fitter (grade 1) | day | 0.3 | 348.00 | 104.40 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.3 | 305.00 | 91.50 | |
| 114 | Beldar | day | 1.1 | 254.00 | 279.40 | |
| | TOTAL | | | | 1981.25 | |
| | Add Water Charges @ 1% | | | | 19.81 | |
| | TOTAL | | | | 2001.07 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 281.15 | |
| | Total | | | | 2282.21 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 342.33 | |
| | Cost of 10 nos | | | | 2624.55 | |
| | Cost of each | | | | 262.45 | |
| | Add 1% labour cess | | | | 2.62 | |
| | **Rate** | **each** | | | **265.10** | |
| **18.30.6** | **300 mm diameter pipe.** | | | | | |
| | Details of cost for 10 joints. | | | | | |
| | MATERIAL: | | | | | |
| 1378 | Rubber insertions for 250 mm dia pipe joints | each | 10 | 37.23 | 372.29 | |
| 1960 | Bolts and nuts 20 mm dia 75 mm long | each | 120 | 14.89 | 1786.99 | |
| 9999 | Carriage of materials | L.S. | 5.33 | 1.8 | 9.59 | |
| | LABOUR: | | | | 0.00 | |
| 116 | Fitter (grade 1) | day | 0.4 | 348.00 | 139.20 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.4 | 305.00 | 122.00 | |
| 114 | Beldar | day | 1.3 | 254.00 | 330.20 | |
| | TOTAL | | | | 2760.27 | |
| | Add Water Charges @ 1% | | | | 27.60 | |
| | TOTAL | | | | 2787.88 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 391.70 | |
| | Total | | | | 3179.57 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 476.94 | |
| | Cost of 10 nos | | | | 3656.51 | |
| | Cost of each | | | | 365.65 | |
| | **Add 1% labour cess** | | | | 3.66 | |
| | **Rate** | **each** | | | **369.30** | |
| **18.30.7** | **300 mm diameter pipe.** | | | | | |
| | Details of cost for 10 joints. | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | MATERIAL: | | | | | |
| 1379 | Rubber insertions for 300 mm dia pipe joints | each | 10 | 41.88 | 418.83 | |
| 1960 | Bolts and nuts 20 mm dia 75 mm long | each | 120 | 14.89157 | 1786.99 | |
| 9999 | Carriage of materials | L.S. | 5.33 | 1.8 | 9.59 | |
| | LABOUR: | | | | 0.00 | |
| 116 | Fitter (grade 1) | day | 0.4 | 348.00 | 139.20 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.4 | 305.00 | 122.00 | |
| 114 | Beldar | day | 1.3 | 254.00 | 330.20 | |
| | TOTAL | | | | 2806.81 | |
| | Add Water Charges @ 1% | | | | 28.07 | |
| | TOTAL | | | | 2834.88 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 398.30 | |
| | Total | | | | 3233.18 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 484.98 | |
| | Cost of 10 nos | | | | 3718.15 | |
| | Cost of each | | | | 371.82 | |
| | **Add 1% labour cess** | | | | 3.72 | |
| | **Rate** | **each** | | | **375.50** | |
| 18.30.8 | 350 mm diameter pipe. | | | | | |
| | Details of cost for 10 joints. | | | | | |
| | MATERIAL: | | | | | |
| 1380 | Rubber insertions for 350 mm dia pipe joints | each | 10 | 46.54 | 465.36 | |
| 1961 | Bolts and nuts 20 mm dia 80 mm long | each | 160 | 16.75 | 2680.48 | |
| 9999 | Carriage of materials | L.S. | 5.33 | 1.8 | 9.59 | |
| | LABOUR: | | | | 0.00 | |
| 116 | Fitter (grade 1) | day | 0.5 | 348.00 | 174.00 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.5 | 305.00 | 152.50 | |
| 114 | Beldar | day | 1.5 | 254.00 | 381.00 | |
| | TOTAL | | | | 3862.94 | |
| | Add Water Charges @ 1% | | | | 38.63 | |
| | TOTAL | | | | 3901.57 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 548.17 | |
| | Total | | | | 4449.74 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 667.46 | |
| | Cost of 10 nos | | | | 5117.20 | |
| | Cost of each | | | | 511.72 | |
| | **Add 1% labour cess** | | | | 5.12 | |
| | **Rate** | **each** | | | **516.80** | |
| **18.30.9** | **400 mm diameter pipe.** | | | | | |
| | Details of cost for 10 joints. | | | | | |
| | MATERIAL: | | | | | |
| 1381 | Rubber insertions for 400 mm dia pipe joints | each | 10 | 67.94 | 679.43 | |
| 1962 | Bolts and nuts 24 mm dia 85 mm long | each | 160 | 26.06 | 4169.64 | |
| 9999 | Carriage of materials | L.S. | 8.06 | 1.8 | 14.51 | |
| | LABOUR: | | | | 0.00 | |
| 116 | Fitter (grade 1) | day | 0.5 | 348.00 | 174.00 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.5 | 305.00 | 152.50 | |
| 114 | Beldar | day | 1.5 | 254.00 | 381.00 | |
| | TOTAL | | | | 5571.08 | |
| | Add Water Charges @ 1% | | | | 55.71 | |
| | TOTAL | | | | 5626.79 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 790.56 | |
| | Total | | | | 6417.35 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 962.60 | |
| | Cost of 10 nos | | | | 7379.95 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost of each | | | | 738.00 |
| | **Add 1% labour cess** | | | | 7.38 |
| | **Rate** | **each** | | | **745.40** |
| 18.30.10 | 450 mm diameter pipe. | | | | |
| | Details of cost for 10 joints. | | | | |
| | MATERIAL: | | | | |
| 1382 | Rubber insertions for 450 mm dia pipe joints | each | 10 | 85.63 | 856.27 |
| 1962 | Bolts and nuts 24 mm dia 85 mm long | each | 200 | 26.06 | 5212.05 |
| 9999 | Carriage of materials | L.S. | 8.06 | 1.8 | 14.51 |
| | LABOUR: | | | | 0.00 |
| 116 | Fitter (grade 1) | day | 0.6 | 348.00 | 208.80 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.6 | 305.00 | 183.00 |
| 114 | Beldar | day | 1.7 | 254.00 | 431.80 |
| | TOTAL | | | | 6906.42 |
| | Add Water Charges @ 1% | | | | 69.06 |
| | TOTAL | | | | 6975.49 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 980.06 |
| | Total | | | | 7955.55 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1193.33 |
| | Cost of 10 nos | | | | 9148.88 |
| | Cost of each | | | | 914.89 |
| | **Add 1% labour cess** | | | | 9.15 |
| | **Rate** | **each** | | | **924.00** |
| 18.30.11 | 500 mm diameter pipe. | | | | |
| | Details of cost for 10 joints. | | | | |
| | MATERIAL: | | | | |
| 1383 | Rubber insertions for 500 mm dia pipe joints | each | 10 | 102.38 | 1023.80 |
| **1963** | **Bolts and nuts 24 mm dia 90 mm long** | **each** | **200** | **29.78** | **5956.63** |
| 9999 | Carriage of materials | L.S. | 8.06 | 1.8 | 14.51 |
| | LABOUR: | | | | 0.00 |
| 116 | Fitter (grade 1) | day | 0.65 | 348.00 | 226.20 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.65 | 305.00 | 198.25 |
| 114 | Beldar | day | 1.8 | 254.00 | 457.20 |
| | TOTAL | | | | 7876.58 |
| | Add Water Charges @ 1% | | | | 78.77 |
| | TOTAL | | | | 7955.35 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 1117.73 |
| | Total | | | | 9073.08 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1360.96 |
| | Cost of 10 nos | | | | 10434.04 |
| | Cost of each | | | | 1043.40 |
| | **Add 1% labour cess** | | | | 10.43 |
| | **Rate** | **each** | | | **1053.80** |
| **18.30.12** | **600 mm diameter pipe.** | | | | |
| | Details of cost for 10 joints. | | | | |
| | MATERIAL: | | | | |
| 1384 | Rubber insertions for 600 mm dia pipe joints | each | 10 | 116.34 | 1163.40 |
| 1964 | Bolts and nuts 27 mm dia 100 mm long | each | 200 | 35.37 | 7073.50 |
| 9999 | Carriage of materials | L.S. | 9.49 | 1.8 | 17.08 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.75 | 348.00 | 261.00 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.75 | 305.00 | 228.75 |
| 114 | Beldar | day | 2 | 254.00 | 508.00 |
| | TOTAL | | | | 9251.73 |
| | Add Water Charges @ 1% | | | | 92.52 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 9344.25 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 1312.87 | |
| | Total | | | | 10657.12 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1598.57 | |
| | Cost of 10 nos | | | | 12255.69 | |
| | Cost of each | | | | 1225.57 | |
| | **Add 1% labour cess** | | | | 12.26 | |
| | **Rate** | **each** | | | **1237.80** | |
| **18.31** | **Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts,rubber insertions etc. (the tail pieces if required will be paid separately).** | | | | | |
| **18.31.1** | **100 mm diameter.** | | | | | |
| **18.31.1.1** | **Class I.** | | | | | |
| | Details of cost for 10 sluice valves. | | | | | |
| | MATERIAL: | | | | | |
| 1940 | C.I. sluice valve (with caps) class I: 100 mm dia Carriage pf sluice valves<br>wt.= 44.3x10=443kg= 0.443t. say 0.44t | each | 10 | 2243.04 | 22430.43 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.44 | 96.07 | 42.27 | |
| | Labour for laying sluice valve | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 4.43 | 313.12 | 1387.14 | A |
| | Providing flanged joints to sluice valves with bolts, nuts and rubber insertion etc. | | | | | |
| 18.30.2 | Rate as per Item Number 18.30.2 of SH: Water supply | each | 20 | 186.95 | 3739.08 | A |
| | TOTAL | | | | 27598.93 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 224.73 | |
| | TOTAL | | | | 27823.65 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 3188.99 | |
| | Total | | | | 31012.64 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 3882.96 | |
| | Cost of 10 nos | | | | 34895.61 | |
| | Cost of each | | | | 3489.56 | |
| | **Add 1% labour cess** | | | | 34.90 | |
| | **Rate** | **each** | | | **3524.50** | |
| **18.31.1.2** | **Class II.** | | | | | |
| | Details of cost for 10 sluice valves | | | | | |
| | MATERIAL: | | | | | |
| 3311 | C.I.sluice valve (with caps) class II : 100 mm dia Carriage of sluice valves<br>wt.= 56.3x10=563kg = 0.563 t. say 0.56t | each | 10 | 2512.95 | 25129.53 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.56 | 96.07 | 53.80 | |
| | Labour for laying sluice valve | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 5.63 | 313.12 | 1762.88 | A |
| | Providing flanged joints to sluice valves with bolts, nuts and rubber insertion etc. | | | | | |
| 18.30.2 | Rate as per Item Number 18.30.2 of SH: Water supply | each | 20 | 186.95 | 3739.08 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 30685.30 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 251.83 | |
| | TOTAL | | | | 30937.13 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 3573.64 | |
| | Total | | | | 34510.77 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 4351.32 | |
| | Cost of 10 nos | | | | 38862.10 | |
| | Cost of each | | | | 3886.21 | |
| | **Add 1% labour cess** | | | | 38.86 | |
| **18.31.2** | **Rate** | **each** | | | **3925.10** | |
| **18.31.2.1** | **Class I.** | | | | | |
| | Details of cost for 10 sluice valves. | | | | | |
| | MATERIAL: | | | | | |
| 1941 | C.I. sluice valve (with caps) class I : 125 mm dia Carriage of sluice valves wt.= 56.3x10=563kg = 0.563 t. say 0.56t | each | 10 | 2419.88 | 24198.81 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.56 | 96.07 | 53.80 | |
| | Labour for laying sluice valve | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 5.63 | 313.12 | 1762.88 | A |
| | Providing flanged joints to sluice valves with bolts, nuts and rubber insertion etc. | | | | | |
| 18.30.03 | Rate as per Item Number 18.30.3 of SH: Water supply | each | 20 | 199.3 | 3985.67 | A |
| | TOTAL | | | | 30001.16 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 242.53 | |
| | TOTAL | | | | 30243.69 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 3441.57 | |
| | Total | | | | 33685.25 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 4190.51 | |
| | Cost of 10 nos | | | | 37875.76 | |
| | Cost of each | | | | 3787.58 | |
| | **Add 1% labour cess** | | | | 37.88 | |
| **18.31.2.2** | **Rate** | **each** | | | **3825.50** | |
| | Details of cost for 10 sluice valves. | | | | | |
| | MATERIAL: | | | | | |
| 3314 | C.I.sluice valve (with caps) class II : 125 mm dia Carriage of sluice valve wt.= 68.3x10 = 683 kg = 0.638 t say o.68 tonne | each | 10 | 2978.31 | 29783.15 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.68 | 96.07 | 65.33 | |
| | Labour for laying sluice valve | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 6.83 | 313.12 | 2138.63 | A |
| | Providing flanged joints to sluice valves with bolts, nuts and rubber insertion etc. | | | | | |
| 18.30.03 | Rate as per Item Number 18.30.3 of SH: Water supply | each | 20 | 199.3 | 3985.67 | A |
| | TOTAL | | | | 35972.78 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add Water Charges @ 1% except on A i.e on | | | | 298.48 | |
| | TOTAL | | | | 36271.26 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 4235.65 | |
| | Total | | | | 40506.91 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 5157.39 | |
| | Cost of 10 nos | | | | 45664.30 | |
| | Cost of each | | | | 4566.43 | |
| | **Add 1% labour cess** | | | | 45.66 | |
| | **Rate** | **each** | | | **4612.10** | |
| 18.31.3 | 150 mm diameter. | | | | | |
| 18.31.3.1 | Class I. | | | | | |
| | Details of cost for 10 sluice valves. | | | | | |
| | MATERIAL: | | | | | |
| 1942 | C.I. sluice valve (with caps) class I: 150 mm dia Carriage of sluice valves | each | 10 | 3350.60 | 33506.04 | |
| | wt. =72.5x10=725kg=0.725t.say 0.72t | | | | | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.72 | 96.07 | 69.17 | |
| | Labour for laying sluice valve | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 7.25 | 313.12 | 2270.14 | A |
| | Providing flanged joints to sluice valves with bolts, nuts and rubber insertion etc. | | | | | |
| 18.30.04 | Rate as per Item Number 18.30.4 of SH: Water supply | each | 20 | 236.6 | 4731.27 | A |
| | TOTAL | | | | 40576.63 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 335.75 | |
| | TOTAL | | | | 40912.38 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 4764.49 | |
| | Total | | | | 45676.87 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 5801.32 | |
| | Cost of 10 nos | | | | 51478.19 | |
| | Cost of each | | | | 5147.82 | |
| | **Add 1% labour cess** | | | | 51.48 | |
| **18.31.3.2** | **Rate** | **each** | | | **5199.30** | |
| | Details of cost for 10 sluice valves. | | | | | |
| | MATERIAL: | | | | | |
| | Carriage of sluice valves | | | | | |
| | wt.= 86.5x10=865kg =0.865t. say 0.865t | | | | | |
| 3317 | C.I.sluice valve (with caps) class II : 150 mm dia | each | 10 | 3722.89 | 37228.94 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.865 | 96.07 | 83.10 | |
| | Labour for laying sluice valve | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 8.65 | 313.12 | 2708.52 | A |
| | Providing flanged joints to sluice valves with bolts, nuts and rubber insertion etc. | | | | | |
| 18.30.4 | Rate as per Item Number 18.30.4 of SH: Water supply | each | 20 | 236.6 | 4731.27 | A |
| | TOTAL | | | | 44751.82 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add Water Charges @ 1% except on A i.e on | | | | 373.12 | |
| | TOTAL | | | | 45124.94 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 5294.76 | |
| | Total | | | | 50419.71 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 6446.99 | |
| | Cost of 10 nos | | | | 56866.69 | |
| | Cost of each | | | | 5686.67 | |
| | **Add 1% labour cess** | | | | 56.87 | |
| | **Rate** | **each** | | | **5743.50** | |
| **18.31.4** | **200 mm diameter.** | | | | | |
| **18.31.4.1** | **Class I.** | | | | | |
| | Details of cost for 10 sluice valves. | | | | | |
| | MATERIAL: | | | | | |
| 1943 | C.I. sluice valve (with caps) class I : 200 mm dia Carriage of sluice valves wt.= 121.5x10=1215kg= 1.215t. say 1.22t | each | 10 | 6980.43 | 69804.26 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 1.22 | 96.07 | 117.21 | |
| | Labour for laying sluice valve | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 12.15 | 313.12 | 3804.45 | A |
| | Providing flanged joints to sluice valves with bolts, nuts and rubber insertion etc. | | | | | |
| 18.30.5 | Rate as per Item Number 18.30.5 of SH: Water supply | each | 20 | 262.5 | 5249.09 | A |
| | TOTAL | | | | 78975.00 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 699.21 | |
| | TOTAL | | | | 79674.22 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 9922.20 | |
| | Total | | | | 89596.42 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 12081.43 | |
| | Cost of 10 nos | | | | 101677.86 | |
| | Cost of each | | | | 10167.79 | |
| | **Add 1% labour cess** | | | | 101.68 | |
| | **Rate** | **each** | | | **10269.50** | |
| 18.31.4.2 | Class II. | | | | | |
| | Details of cost for 10 sluice valves. | | | | | |
| | MATERIAL: | | | | | |
| 3320 | C.I.sluice valve (with caps) class II : 200 mm dia Carriage of sluice valves wt.= 150.5x10=1505kg=1.505t. say 1.5t | each | 10 | 8283.44 | 82834.38 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 1.5 | 96.07 | 144.11 | |
| | Labour for laying sluice valve | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 15.05 | 313.12 | 4712.51 | A |
| | Providing flanged joints to sluice valves with bolts, nuts and rubber insertion etc. | | | | | |
| 18.30.5 | Rate as per Item Number 18.30.5 of SH: Water supply | each | 20 | 262.5 | 5249.09 | A |
| | TOTAL | | | | 92940.09 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add Water Charges @ 1% except on A i.e on | | | | 829.78 | |
| | TOTAL | | | | 93769.87 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 11775.06 | |
| | Total | | | | 105544.94 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 14337.50 | |
| | Cost of 10 nos | | | | 119882.44 | |
| | Cost of each | | | | 11988.24 | |
| | **Add 1% labour cess** | | | | 119.88 | |
| | **Rate** | **each** | | | **12108.10** | |
| 18.31.5 | 250 mm diameter. | | | | | |
| 18.31.5.1 | Class I. | | | | | |
| | Details of cost for 10 sluice valves. | | | | | |
| | MATERIAL: | | | | | |
| 1944 | C.I. sluice valve (with caps) class I : 250 mm dia Carriage of sluice valves wt.= 179.9x10=1799kg= 1.799t. say 1.80t | each | 10 | 10219.34 | 102193.43 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 1.8 | 96.07 | 172.93 | |
| | Labour for laying sluice valve | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 17.99 | 313.12 | 5633.09 | A |
| | Providing flanged joints to sluice valves with bolts, nuts and rubber insertion etc. | | | | | |
| 18.30.6 | Rate as per Item Number 18.30.6 of SH: Water supply | each | 20 | 365.7 | 7313.01 | A |
| | TOTAL | | | | 115312.46 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1023.66 | |
| | TOTAL | | | | 116336.12 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 14526.30 | |
| | Total | | | | 130862.42 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 17687.45 | |
| | Cost of 10 nos | | | | 148549.87 | |
| | Cost of each | | | | 14854.99 | |
| | **Add 1% labour cess** | | | | 148.55 | |
| | **Rate** | **each** | | | **15003.50** | |
| 18.31.5.2 | Class II. | | | | | |
| | Details of cost for 10 sluice valves. | | | | | |
| | MATERIAL: | | | | | |
| 3321 | C.I.sluice valve (with caps) class II : 250 mm dia Carriage of sluice valves wt. =229.9x10=2299kg =2299t. say 2.30t | each | 10 | 963.30 | 9632.99 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 2.3 | 96.07 | 220.96 | |
| | Labour for laying sluice valve | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 22.99 | 313.12 | 7198.71 | A |
| | Providing flanged joints to sluice valves with bolts, nuts and rubber insertion etc. | | | | | |
| 18.30.6 | Rate as per Item Number 18.30.6 of SH: Water supply | each | 20 | 365.7 | 7313.01 | A |
| | TOTAL | | | | 24365.67 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add Water Charges @ 1% except on A i.e on | | | | 98.54 | |
| | TOTAL | | | | 24464.21 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 1398.32 | |
| | Total | | | | 25862.53 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 1702.62 | |
| | Cost of 10 nos | | | | 27565.16 | |
| | Cost of each | | | | 2756.52 | |
| | **Add 1% labour cess** | | | | 27.57 | |
| | **Rate** | **each** | | | **2784.10** | |
| 18.31.6 | 300 mm diameter. | | | | | |
| 18.31.6.1 | Class I. | | | | | |
| | Details of cost for 10 sluice valves | | | | | |
| | MATERIAL: | | | | | |
| 1945 | C.I. sluice valve (with caps) class I: 300 mm dia Carriage of sluice valves | each | 10 | 14426.21 | 144262.13 | |
| | wt.= 242.4x10=2424kg = 2.42t. say 2.42t | | | | | |
| 2309 | Carriage of Cast Iron fittings | tonne | 2.42 | 96.07 | 232.49 | |
| | Labour for laying sluice valve | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 24.24 | 313.12 | 7590.11 | A |
| | Providing flanged joints to sluice valves with bolts, nuts and rubber insertion etc. | | | | | |
| 18.30.7 | Rate as per Item Number 18.30.7 of SH: Water supply | each | 20 | 371.8 | 7436.31 | A |
| | TOTAL | | | | 159521.03 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1444.95 | |
| | TOTAL | | | | 160965.98 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 20504.51 | |
| | Total | | | | 181470.49 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 24966.61 | |
| | Cost of 10 nos | | | | 206437.10 | |
| | Cost of each | | | | 20643.71 | |
| | **Add 1% labour cess** | | | | 206.44 | |
| | **Rate** | **each** | | | **20850.10** | |
| **18.31.6.2** | **Class II.** | | | | | |
| | Details of cost for 10 sluice valves. | | | | | |
| | MATERIAL: | | | | | |
| 3326 | C.I.sluice valve (with caps) class II : 300 mm dia Carriage of sluice valves | each | 10 | 16939.17 | 169391.66 | |
| | wt.= 303.4x10=3034kg=3.304t. | | | | | |
| 2309 | Carriage of Cast Iron fittings | tonne | 3.034 | 96.07 | 291.48 | |
| | Labour for laying sluice valve | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 30.34 | 313.12 | 9500.16 | A |
| | Providing flanged joints to sluice valves with bolts, nuts and rubber insertion etc. | | | | | |
| 18.30.7 | Rate as per Item Number 18.30.7 of SH: Water supply | each | 20 | 371.8 | 7436.31 | A |
| | TOTAL | | | | 186619.61 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add Water Charges @ 1% except on A i.e on | | | | 1696.83 | |
| | TOTAL | | | | 188316.44 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 24078.89 | |
| | Total | | | | 212395.32 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 29318.83 | |
| | Cost of 10 nos | | | | 241714.15 | |
| | Cost of each | | | | 24171.42 | |
| | **Add 1% labour cess** | | | | 241.71 | |
| | **Rate** | **each** | | | **24413.10** | |
| **18.32** | **Constructing masonry chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement :4 coarse sand) for stop cock, with C.I. surface box 100x100x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 ( 1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design.** | | | | | |
| **18.32.1** | **With common burnt clay F.P.S. (non modular ) bricks of class designation 100A**<br>Details of cost for one chamber.<br>MATERIAL:<br>(i) Earth work in excavation including refilling and disposal of surplus earth = 0.68x0.68x0.65m=0.301cum | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 0.3 | 316.47 | 94.94 | A |
| 2.26 | Rate as per Item Number 2.26 of SH: Earth work<br>(ii) Cement concrete 1:3:6 (1 Cement: 5 fine sand : 10 graded stone aggregate 40mm nominal size)<br>0.68x0.68x0.075=0.035cum. Say 0.04 cum | cum | 0.3 | 102.25 | 30.68 | A |
| 4.1.10 | Rate as per Item Number 4.1.10 of SH: Concrete work<br>(iii) Second class brick work in cement . mortar 1:4 (1 Cement: 4 coarse sand) in foundations and plinth<br>1.66x0.115x0.50=0.095cum.<br>Say 0.10 cum | cum | 0.04 | 2621.63 | 104.87 | A |
| 6.1.2A | Rate as per Item Number 6.1.2A of SH: Brick work (iv) 12mm cement plaster 1:3 (1 Cement: 3 Coarse sand) finished with a floating coat of neat cement.<br>1.20x0.50=0.60sqm.<br>0.30x0.30=0.09sqm.<br>Total =0.69sqm. Say 0.70sqm | cum | 0.1 | 4987.334 | 498.73 | A |
| 13.17.1 | Rate as per Item Number 13.17.1 of SH: Finishing (v) C.I. surface box with hinged cover 100x100x75mm (inside) | sqm | 0.70 | 188.90 | 132.23 | A |
| 1304 | Surface box for stop cock<br>(vi) | each | 1.00 | 116.34 | 116.34 | |
| 9999 | Carriage of C.I. surface box | L.S. | 1.43 | 1.80 | 2.57 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | (vii) Cement concrete 1:2:4 (1 Cement: 2 Coarse sand ; 4 graded stone aggregate 20mm nominal size) in slab = 0.53mx 0.53mx0.075m = 0.02107cum. Less surface box 0.112x0.112x0.076 =(-) 0.00094 cum. = 0.0201 cum. Say 0.02cum | | | | | |
| 5.3 | Rate as per Item Number 5.3 of SH: Reinforced cement concrete work | cum | 0.02 | 5258.18 | 105.16 | A |
| | (viii) Less labour for not lifting the materilas upto floor five level | | | | | |
| 115 | Coolie | day | -0.04 | 265.00 | -10.07 | |
| | (ix) | | | | | |
| 9999 | Sundries | L.S. | 4.16 | 1.80 | 7.49 | |
| | TOTAL | | | | 1082.94 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1.16 | |
| | TOTAL | | | | 1084.10 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 16.51 | |
| | Total | | | | 1100.61 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 17.62 | |
| | Cost of each | | | | 1118.24 | |
| | **Add 1% labour cess** | | | | 11.18 | |
| | **Rate** | **each** | | | **1129.40** | |

**18.33** **Constructing masonry chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep ( inside) with chained lid and RCC top slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size ), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design.**

| | | | | | | |
|---|---|---|---|---|---|---|
| **18.33.1** | **With common burnt clay F.P.S. (non modular ) bricks of class designation 100A** | | | | | |
| | Details of cost for one chamber. | | | | | |
| | MATERIAL: | | | | | |
| | (i) Earth work in excavation including refilling and disposal of surplus earth | | | | | |
| | 1.21 x 1.21 x 1.00m= 1.464cum | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 1.46 | 316.47 | 462.04 | A |
| 2.26 | Rate as per Item Number 2.26of SH: Earth work | cum | 1.46 | 102.25 | 149.29 | A |
| | (ii) Cement concrete 1:5:10 (1 Cement: 5 fine sand : 10 graded stone aggregate 40mm nominal size) | | | | | |
| | 1.21xl.21x0.1m=0.146cum. Say 0.15 cum | | | | | |
| 4.1.10 | Rate as per Item Number 4.1.10 of SH: Concrete work | cum | 0.15 | 2621.63 | 393.24 | A |
| | (iii) Second class brick work in cement mortar 1: 4(1 Cement: 4coarse sand) in foundations and plinth | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 3.32mx0.23mx0.75m=0.573cum. Say 0.57 cum | | | | | |
| 6.1.2A | Rate as per Item Number 6.1.2A of SH: Brick work (iv) 12mm cement plaster 1:3 (1 Cement: 3 Coarse sand) finished with a floating coat of neat cement.<br>2.40x0.75=1.80sqm<br>0.60x0.60=0.36sqm.<br>=2.16sqm | cum | 0.57 | 4987.33 | 2842.78 | A |
| 13.17.1 | Rate as per Item Number 13.17.1 of SH: Finishing (v) C.I. surface box with hinged cover 100x100x75mm (inside) | sqm | 2.16 | 188.90 | 408.03 | A |
| 1305 | Surface box for sluice valve (vi) | each | 1.00 | 195.45 | 195.45<br>0.00 | |
| 9999 | Carriage of C.I. surface box (vii) Cement concrete 1:2:4 (1 Cement: 2 Coarse sand : 4 graded stone aggregate 20mm nominal size) in slab = 1.06mx 1.06mx0.15m = 0.1685 cum.<br>Less surface box<br>3.142/4xd²x0. 18m = 0.7854x0.156x0.156x 0.18 = (-)0.0034 cum<br>= 0.1651 cum. Say 0.17 cum | L.S. | 8.06 | 1.80 | 14.51 | |
| 5.3 | Rate as per Item Number 5.3 of SH: Reinforced cement concrete work (viii) Less labour for not lifting the materilas upto floor five level | cum | 0.17 | 5258.18 | 893.89 | A |
| 115 | Coolie | day | -0.32 | 265.00 | -84.80 | |
| | (ixi) Mild steel reinforcement for RCC work etc.<br>0.165cum.x80kg/cum. = 13.2kg | | | | | |
| 5.22.1 | Rate as per Item Number 5.22.1 of SH: Reinforced cement concrete work (x) Form work 0.60mx0.60m=0.36sqm.+ 3.32mx0.15m=0.50sqm.<br>= 0.86 sqm | kilogram | 13.20 | 75.33 | 994.40 | A |
| 5.9.3 | Rate as per Item Number 5.9.3 of SH: Reinforced cement concrete work (xi) | sqm | 0.86 | 358.97 | 308.72 | A |
| 9999 | Sundries | L.S. | 8.06 | 1.80 | 14.51 | |
| | TOTAL | | | | 6592.06 | |
| | Add Water Charges @ 1% except on A i.e on 6452.4 | | | | 1.40 | |
| | TOTAL | | | | 6593.46 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 19.82 | |
| | Total | | | | 6613.27 | (Y) |
| | Add CPOH @ 15% except on A i.e on (6613.27 -6452.39 =) | | | | 24.13 | |
| | Cost of each | | | | 6637.41 | |
| | **Add 1% labour cess** | | | | 66.37 | |
| | **Rate** | **each** | | | **6703.80** | |
| **18.34** | **Constructing masonry chamber 90x90x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | **20 mm nominal size ), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size ) and inside plastering with cement mortar 1: 3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design.** | | | | | |
| **18.34.1** | **With common burnt clay F.P.S. (non modular ) bricks of class designation 100A** | | | | | |
| | Details of cost for one chamber<br>MATERIAL:<br>(i) Earth work in excavation including refilling and disposal of surplus earth 1.51 x 1.51 x 1.25 m | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 2.85 | 316.47 | 901.94 | A |
| 2.26 | Rate as per Item Number 2.25 of SH: Earth work<br>(ii) Cement concrete 1:5:10(1 Cement: 5 fine sand : 10 graded stone aggregate 40mm nominal size)<br>1.51x1.51x0.1m=0.228cum. Say 0.23 cum. | cum | 2.85 | 102.25 | 291.42 | A |
| 4.1.10 | Rate as per Item Number 4.1.11 of SH: Concrete work<br>(iii) Second class brick work in cement mortar 1:4<br>(1 Cement: 4coarse sand) in foundations and plinth<br>4.52mx0.23mx 1.00m= 1.04cum. | cum | 0.23 | 2621.63 | 602.98 | A |
| 6.1.2A | Rate as per Item Number 6.1.1 of SH: Brick work<br>(iv) 12mm cement plaster 1:3 (1 Cement: 3 Coarse sand) finished with a floating coat of neat cement.<br>3.60mxl.00m=3.60sqm.<br>0.90mx0.90m=0.81sqm.<br>Total =4.41 sqm | cum | 1.04 | 4987.33 | 5186.83 | A |
| 13.17.1 | Rate as per Item Number 13.9.1 of SH: Finishing<br>(v) C.I. surface box with chained lid. | sqm | 4.41 | 358.97 | 1583.07 | A |
| 1305 | Surface box for sluice valve<br>(vi) | each | 1.00 | 195.45 | 195.45 | |
| 9999 | Carriage of C.I. surface box<br>(vii) Cement concrete 1:2:4 (1 Cement: 2 coarse sand ; 4 graded stone aggregate 20mm nominal size) in slab = 1.36mx 1.36mx0.15m = 0.2774 cum.<br>Less surface box<br>0.7854x0.156mx0. 156mx0.18m = (-) 0.0034 cum.<br>= 0.2740 cum. Say 0.27 cum. | L.S. | 8.06 | 1.80 | 14.51 | |
| 5.3 | Rate as per Item Number 5.3 of SH: Reinforced cement concrete work<br>(viii) Less labour for not lifting the materilas upto floor five level | cum | 0.27 | 5258.18 | 1419.71 | A |
| 115 | Coolie<br>(ix) Mild steel reinforcement for RCC work etc. | day | -0.51 | 265.00 | -135.15 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 0.274cum.x80kg/cum. = 21.92 kg. | | | | | |
| 5.22.1 | Rate as per Item Number 5.22.1 of SH: Reinforced cement concrete work (x) Form work | kilogram | 21.92 | 75.33 | 1651.31 | A |
| | 0.90mx0.90m=0.81sqm.+ 4.52mx0.15m = 0.68 sqm. Total = 1.49 sqm. | | | | | |
| 5.9.3 | Rate as per Item Number 5.9.3 of SH: Reinforced cement concrete work (xi) | sqm | 1.49 | 358.97 | 534.87 | A |
| 9999 | Sundries | L.S. | 8.06 | 1.80 | 14.51 | |
| | TOTAL | | | | 12261.43 | |
| | Add Water Charges @ 1% except on A i.e on 12172.1 | | | | 0.89 | |
| | TOTAL | | | | 12262.32 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 12.67 | |
| | Total | | | | 12275.00 | (Y) |
| | Add CPOH @ 15% except on A i.e on (12275-12172.11)= | | | | 15.43 | |
| | Cost of each | | | | 12290.43 | |
| | **Add 1% labour cess** | | | | 122.90 | |
| | **Rate** | **each** | | | **12413.30** | |
| **18.35** | **Constructing masonry chamber 120x120x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.1. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep ( inside) with chained lid and RCC top slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand :10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design.** | | | | | |
| **18.35.1** | With common burnt clay F.P.S. (non modular ) bricks of class designation 7.5. Details of cost for one chamber. MATERIAL: (i) Earth work in excavation including refilling and disposal of surplus earth 1.81X1.81X1.25 m | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 4.10 | 316.47 | 1297.52 | A |
| 2.25 | Rate as per Item Number 2.25 of SH: Earth work (ii) Cement concrete 1:5:10 (1 Cement: 5 fine sand : 10 graded stone aggregate 40mm nominal size) | cum | 4.10 | 102.25 | 419.24 | A |
| | 1.81xl.81x0.1m=0.328cum. Say 0.33 cum. | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work (iii) Second class brick work in cement mortar 1:4 (1 Cement: 4coarse sand) in foundations and plinth | cum | 0.33 | 2 621.63 | 865.14 | A |
| | 5.72x0.23x1.00=1.316cum. Say 1.32 cum. | | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work | cum | 1.32 | 4987.33 | 6583.28 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | (iv) 12mm cement plaster 1:3 (1 Cement: 3 Coarse sand) finished with a floating coat of neat cement.<br>4.80mxl.00m=4.80sqm.<br>1.20 x 1.20m=1.44sqm. =6.42sqm. | | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 6.42 | 358.97 | 2304.60 | A |
| | (v) C.I. surface box with chained lid | | | | | |
| 1305 | Surface box for sluice valve (vi) | each | 1.00 | 195.45 | 195.45 | |
| 9999 | Carriage of C.I. surface box | L.S. | 8.06 | 1.80 | 14.51 | |
| (vii) | Cement concrete 1:2:4 (1 Cement: 2 Coarse sand ; 4 graded stone aggregate 20mm nominal size) in slab = 1.66mx 1.66mx 0. 15m = 0.4133 cum.<br>Less surface box<br>0.7854x0.156x0.156x0. 18 = (-)0.0034 cum.<br>Total = 0.4099 cum. Say 0.41 cum. | | | | | |
| 5.3 | Rate as per Item Number 5.3 of SH: Reinforced cement concrete work | cum | 0.41 | 5258.18 | 2155.85 | A |
| | (viii) Less labour for not lifting the materilas upto floor five level | | | | | |
| 115 | Coolie | day | -0.77 | 265.00 | -204.05 | |
| | (ixi) Mild steel reinforcement for RCC slab steel @ 80kg/cum.<br>0.41cum.x80kg/cum. = 32.80kg. | | | | | |
| 5.22.1 | Rate as per Item Number 5.22.1 of SH: Reinforced cement concrete work | kilogram | 32.80 | 75.33 | 2470.93 | A |
| | (x) Form work 1.20mxl.20m=1.44sqm.+ 5.72mx0.15m=0.86sqm.<br>= 2.30sqm | | | | | |
| 5.9.3 | Rate as per Item Number 5.9.3 of SH: Reinforced cement concrete work | sqm | 2.30 | 358.97 | 825.64 | A |
| | (xi) | | | | | |
| 9999 | Sundries | L.S. | 8.06 | 1.80 | 14.51 | |
| | TOTAL | | | | 16942.62 | |
| | Add Water Charges @ 1% except on A i.e on 16922.2 | | | | 0.20 | |
| | TOTAL | | | | 16942.83 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 2.90 | |
| | Total | | | | 16945.72 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e (16945.72-16922.2)= | | | | 3.53 | |
| | Cost of each | | | | 16949.25 | |
| | **Add 1% labour cess** | | | | 169.49 | |
| | **Rate** | **each** | | | **17118.70** | |
| **18.36** | **Constructing masonry chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for fire hydrants, with C.I. surface box 350x350 mm top and 165 mm deep ( inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design.** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **18.36.1** | **With common burnt clay F.P.S. (non modular ) bricks of class designation 7.5.**<br>Details of cost for one chamber.<br>MATERIAL:<br>(i) Earth work in excavation including refilling and disposal of surplus earth<br>1.21X1.21X1.00m =1.464 cum say 1.46cum | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 1.46 | 316.47 | 462.04 | A |
| 2.25 | Rate as per Item Number 2.25 of SH: Earth work<br>(ii) Cement concrete 1:5:10 (1 Cement: 5 fine sand : 10 graded stone aggregate 40mm nominal size)<br>1.21x1.21x0.1m=0.146cum. Say 0.15 cum. | cum | 1.46 | 102.25 | 149.29 | A |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work<br>(iii) Second class brick work in cement mortar 1:4<br>(1 Cement: 4 coarse sand) in foundations and plinth<br>3.32x0.23x0.75=0.573cum. Say 0.57 cum. | cum | 0.15 | 2 621.63 | 393.24 | A |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work<br>(iv) 12mm cement plaster 1:3 (1 Cement: 3 Coarse sand) finished with a floating coat of neat cement.<br>2.40x0.75=1.80sqm.<br>0.90mx0.90m=0.36sqm.<br>Total =2.16sqm | cum | 0.57 | 4987.33 | 2842.78 | A |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing<br>(v) C.I. surface box with chained lid | sqm | 2.16 | 358.97 | 775.38 | A |
| 1305 | Surface box for sluice valve<br>(vi) | each | 1.00 | 195.45 | 195.45 | |
| 9999 | Carriage of C.I. surface box<br>(vii) Cement concrete 1:2:4 (1 Cement: 2 Coarse sand ; 4 graded stone aggregate 20mm nominal size) in slab = 1.06xl.06x 0.15 = 0.1685 cum. Less surface box 0.61x0.41mx0.15m= (-)0.0375 cum.<br>= 0.131 cum. Say 0.13 cum | L.S. | 53.82 | 1.80 | 96.88 | |
| 5.3 | Rate as per Item Number 5.3 of SH: Reinforced cement concrete work<br>(viii) Less labour for not lifting the materilas upto floor five level | cum | 0.13 | 5258.18 | 683.56 | A |
| 115 | Coolie<br>(ixi) Mild steel reinforcement for RCC work etc.<br>0.131cumx80kg/cum. = 10.48kg | day | -0.24 | 265.00 | -63.60 | |
| 5.22.1 | Rate as per Item Number 5.22.1 of SH: Reinforced cement concrete work<br>(x) Form work 0.60mx0.60m=0.36sqm.+ 3.32mx0.15m = 0.50 sqm.<br>=0.86 sqm | kilogram | 10.48 | 75.33 | 789.49 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 5.9.3 | Rate as per Item Number 5.9.3 of SH: Reinforced cement concrete work (xi) | sqm | 0.86 | 358.97 | 308.72 | A |
| 9999 | Sundries | L.S. | 8.06 | 1.80 | 14.51 | |
| | TOTAL | | | | 6647.75 | |
| | Add Water Charges @ 1% except on A i.e on 6404.5 | | | | 2.43 | |
| | TOTAL | | | | 6650.18 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 34.52 | |
| | Total | | | | 6684.70 | (Y) |
| | Add CPOH @ 15% except on A i.e on (6684.7-6404.51)= | | | | 42.03 | |
| | Cost of each | | | | 6726.72 | |
| | **Add 1% labour cess** | | | | 67.27 | |
| | **Rate** | **each** | | | **6794.00** | |
| **18.37** | **Constructing masonry chamber 60x45x50 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for water meter complete with C.I. double flap surface box 400x200x200 mm (inside) with locking arrangement and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 ( 1 cement : 5 fine sand :10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design.** | | | | | |
| **18.37.1** | With common burnt clay F.P.S. (non modular ) bricks of class designation 7.5. Details of cost for one chamber. MATERIAL: (i) Earth work in excavation including refilling and disposal of surplus earth 1.21X1.06X0.85m = 1.09 cum | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 1.09 | 316.47 | 344.95 | A |
| 2.25 | Rate as per Item Number 2.25 of SH: Earth work (ii) Cement concrete 1:5:10 (1 Cement: 5 fine sand : 10 graded stone aggregate 40mm nominal size) 1.21 x 1.06x0.1=0.128cum. Say 0.13 cum. | cum | 1.09 | 102.25 | 111.46 | A |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work (iii) Second class brick work in cement mortar 1:4 (1 Cement: 4 coarse sand) in foundations and plinth 3.02x0.23x0.50=0.347cum. Say 0.35cum | cum | 0.13 | 2 621.63 | 340.81 | A |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work (iv) 12mm cement plaster 1:3 (1 Cement: 3 Coarse sand) finished with a floating coat of neat cement. 2.10x0.50=1.05sqm. 0.60x0.45=0.27sqm. Total = 1.32sqm | cum | 0.35 | 4987.33 | 1745.57 | A |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: | sqm | 1.32 | 358.97 | 473.84 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Finishing<br>(v) C.I. surface box 400x200x200mm (inside) with locking arrangement | | | | | |
| 1307 | Surface box for water meter | each | 1.00 | 268.37 | 268.37 | |
| | (vi) | | | | | |
| 9999 | Carriage of C.I. surface box | L.S. | 13.52 | 1.80 | 24.34 | |
| | (vii) Cement concrete 1:2:4 (1 Cement: 2 Coarse sand ; 4 graded stone aggregate 20 mmnominal<br>size) in slab = 1.06x0.91x0.25= 0.241 cum.<br>Less surface box<br>0.42x0.22x0.2= (-)0.018 cum<br>Total = 0.223 cum. Say 0.22 cum. | | | | | |
| 5.3 | Rate as per Item Number 5.3 of SH: Reinforced cement concrete work | cum | 0.22 | 5258.18 | 1156.80 | A |
| | (viii) Less labour for not lifting the materilas upto floor five level | | | | | |
| 115 | Coolie | day | -0.41 | 265.00 | -108.65 | |
| | (ix) Mild steel reinforcement for RCC work steel @ 80kg/cum. | | | | | |
| 0.223 | cum.x80kg/cum. = 17.84 kg | kilogram | 17.84 | 75.33 | 1343.95 | A |
| 5.22.1 | Rate as per Item Number 5.22.1 of SH: Reinforced cement concrete work | | | | | |
| | (x) Form work 0.60mx0.45m=0.27sqm.+ 3.02mx0.25m=0.76sqm.<br>= 1.03sqm | | | | | |
| 5.9.3 | Rate as per Item Number 5.9.3 of SH: Reinforced cement concrete work | sqm | 1.03 | 358.97 | 369.74 | A |
| | (xi) | | | | | |
| 9999 | Sundries | L.S. | 8.06 | 1.80 | 14.51 | |
| | TOTAL | | | | 6085.68 | |
| | Add Water Charges @ 1% except on A i.e on 5887.1 | | | | 1.99 | |
| | TOTAL | | | | 6087.67 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 28.18 | |
| | Total | | | | 6115.84 | (Y) |
| | Add CPOH @ 15% except on A i.e on (6115.84-5887.12)= | | | | 34.31 | |
| | Cost of each | | | | 6150.15 | |
| | **Add 1% labour cess** | | | | 61.50 | |
| | **Rate** | **each** | | | **6211.70** | |
| **18.38** | **Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat, both of approved quality for new work.** | | | | | |
| **18.38.1** | 15 mm diameter pipe. | | | | | |
| | Details of cost for 10 metres.<br>Perimeter = 0.0673 metre<br>Area10x0.0673rn = 0.673sqm.<br>Priming Coat | | | | | |
| 13.81.3 | Rate as per Item Number 13.81.3 of SH: Finishing | sqm | 0.673 | 27.25 | 18.34 | A |
| | Painting two coats excluding priming coat | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | with white paint on new work | | | | | |
| 13.93.1 | Rate as per Item Number 13.93.1 of SH: Finishing | sqm | 0.673 | 69.70 | 46.91 | A |
| 9999 | Add for delay | L.S. | 13.52 | 1.8 | 24.34 | |
| | TOTAL | | | | 89.58 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.24 | |
| | TOTAL | | | | 89.83 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 3.45 | |
| | TOTAL | | | | 93.28 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 4.20 | |
| | Cost of 10 metre | | | | 97.49 | |
| | Cost of 1 metre | | | | 9.75 | |
| | **Add 1% labour cess** | | | | 0.10 | |
| | **Rate** | **per m** | | | **9.80** | |
| **18.38.2** | 20 mm diameter pipe. | | | | | |
| | Details of cost for 10 metres. | | | | | |
| | Perimeter = 0.0845 metre | | | | | |
| | Area = 10x0.0845 sqm. = 0.845 sqm. | | | | | |
| | Priming Coat | | | | | |
| 13.81.3 | Rate as per Item Number 13.81.3 of SH: Finishing | sqm | 0.845 | 27.25 | 23.03 | A |
| | Painting two coats excluding priming coat with white paint on new work | | | | | |
| 13.93.1 | Rate as per Item Number 13.93.1 of SH: Finishing | sqm | 0.845 | 69.70 | 58.90 | A |
| 9999 | Add for delay | L.S. | 13.52 | 1.8 | 24.34 | |
| | TOTAL | | | | 106.26 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.24 | |
| | TOTAL | | | | 106.50 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 3.45 | |
| | TOTAL | | | | 109.96 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 4.20 | |
| | Cost of 10 metre | | | | 114.16 | |
| | Cost of 1 metre | | | | 11.42 | |
| | **Add 1% labour cess** | | | | 0.11 | |
| | **Rate** | **per m** | | | **11.50** | |
| **18.38.3** | **25 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Perimeter = 0.1061 metre | | | | | |
| | Area= 10x0.1061 sqm. = 1.061 sqm | | | | | |
| | Priming coat | | | | | |
| 13.81.3 | Rate as per Item Number 13.81.3 of SH: Finishing | sqm | 1.061 | 27.25 | 28.91 | A |
| | Painting two coats excluding priming coat with white paint on new work | | | | | |
| 13.93.1 | Rate as per Item Number 13.93.1 of SH: Finishing | sqm | 1.061 | 69.70 | 73.95 | A |
| 9999 | Add for delay | L.S. | 20.28 | 1.8 | 36.50 | |
| | TOTAL | | | | 139.37 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.37 | |
| | TOTAL | | | | 139.73 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 5.18 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 144.91 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 6.31 | |
| | Cost of 10 metre | | | | 151.22 | |
| | Cost of 1 metre | | | | 15.12 | |
| | **Add 1% labour cess** | | | | 0.15 | |
| | **Rate** | **per m** | | | **15.30** | |
| **18.38.4** | **32 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metres. | | | | | |
| | Perimeter = 0.1334 metre | | | | | |
| | Area = 10x0.1334 sqm. = 1.334 sqm. | | | | | |
| | Priming Coat | | | | | |
| 13.81.3 | Rate as per Item Number 13.81.3 of SH: Finishing | sqm | 1.334 | 27.25 | 36.35 | A |
| | Painting two coats excluding priming coat with white paint on new work | | | | | |
| 13.93.1 | Rate as per Item Number 13.93.1 of SH: Finishing | sqm | 1.334 | 69.70 | 92.98 | A |
| 9999 | Add for delay | L.S. | 20.28 | 1.8 | 36.50 | |
| | TOTAL | | | | 165.84 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.37 | |
| | TOTAL | | | | 166.20 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 5.18 | |
| | TOTAL | | | | 171.38 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 6.31 | |
| | Cost of 10 metre | | | | 177.69 | |
| | Cost of 1 metre | | | | 17.77 | |
| | **Add 1% labour cess** | | | | 0.18 | |
| | **Rate** | **per m** | | | **17.90** | |
| **18.38.5** | **40 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Perimeter = 0.1520 metre | | | | | |
| | Area = 10x0.1520 sqm.= 1.520 sqm. | | | | | |
| | Priming Coat | | | | | |
| 13.81.3 | Rate as per Item Number 13.81.3 of SH: Finishing | sqm | 1.52 | 27.25 | 41.42 | A |
| | Painting two coats excluding priming coat with white paint on new work | | | | | |
| 13.93.1 | Rate as per Item Number 13.93.1 of SH: Finishing | sqm | 1.52 | 69.70 | 105.95 | A |
| 9999 | (a)add for delay | L.S. | 26.91 | 1.8 | 48.44 | |
| | TOTAL | | | | 195.80 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.48 | |
| | TOTAL | | | | 196.29 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 6.87 | |
| | TOTAL | | | | 203.16 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 8.37 | |
| | Cost of 10 metre | | | | 211.53 | |
| | Cost of 1 metre | | | | 21.15 | |
| | **Add 1% labour cess** | | | | 0.21 | |
| | **Rate** | **per m** | | | **21.40** | |
| **18.38.6** | **50 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Perimeter = 0.1894 metre | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Area= 10x0.1894 sqm. = 1.894 sqm. | | | | | |
| | Priming Coat | | | | | |
| 13.81.3 | Rate as per Item Number 13.81.3 of SH: Finishing | sqm | 1.894 | 27.25 | 51.61 | A |
| | Painting two coats excluding priming coat with white paint on new work | | | | | |
| 13.93.1 | Rate as per Item Number 13.93.1 of SH: Finishing | sqm | 1.894 | 69.70 | 132.02 | A |
| 9999 | Add for delay | L.S. | 26.91 | 1.8 | 48.44 | |
| | TOTAL | | | | 232.06 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.48 | |
| | TOTAL | | | | 232.55 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 6.87 | |
| | TOTAL | | | | 239.42 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 8.37 | |
| | Cost of 10 metre | | | | 247.79 | |
| | Cost of 1 metre | | | | 24.78 | |
| | **Add 1% labour cess** | | | | 0.25 | |
| | **Rate** | **per m** | | | **25.00** | |
| **18.39** | **Repainting G.I. pipes and fittings with synthetic enamel white paint with one coat of approved quality.** | | | | | |
| **18.39.1** | **15 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Painting one coat with white paint on old work | | | | | |
| 13.93.2 | Rate as per Item Number 13.93.2 of SH: Repairs to buildings | sqm | 0.673 | 44.80 | 30.15 | A |
| 9999 | Add for delay | L.S. | 8.06 | 1.8 | 14.51 | |
| | TOTAL | | | | 44.66 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.15 | |
| | TOTAL | | | | 44.80 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 2.06 | |
| | TOTAL | | | | 46.86 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 2.51 | |
| | Cost of 10 metre | | | | 49.37 | |
| | Cost of 1 metre | | | | 4.94 | |
| | **Add 1% labour cess** | | | | 0.05 | |
| | **Rate** | **per m** | | | **5.00** | |
| **18.39.2** | **20 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Painting one coat with white paint on old work | | | | | |
| 13.93.2 | Rate as per Item Number 13.93.2 of SH: Repairs to buildings | sqm | 0.845 | 44.80 | 37.85 | A |
| 9999 | Add for delay | L.S. | 8.06 | 1.8 | 14.51 | |
| | TOTAL | | | | 52.36 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.15 | |
| | TOTAL | | | | 52.51 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 2.06 | |
| | TOTAL | | | | 54.57 | (Y) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 2.51 | |
| | Cost of 10 metre | | | | 57.07 | |
| | Cost of 1 metre | | | | 5.71 | |
| | **Add 1% labour cess** | | | | 0.06 | |
| | **Rate** | **per m** | | | **5.80** | |
| **18.39.3** | **25 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Painting one coat with white paint on old work | | | | | |
| 13.93.2 | Rate as per Item Number 13.93.2 of SH: Repairs to buildings | sqm | 1.061 | 44.80 | 47.53 | A |
| 9999 | Add for delay | L.S. | 10.79 | 1.8 | 19.42 | |
| | TOTAL | | | | 66.95 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.19 | |
| | TOTAL | | | | 67.15 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 2.76 | |
| | TOTAL | | | | 69.90 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 3.36 | |
| | Cost of 10 metre | | | | 73.26 | |
| | Cost of 1 metre | | | | 7.33 | |
| | **Add 1% labour cess** | | | | 0.07 | |
| | **Rate** | **per m** | | | **7.40** | |
| **18.39.4** | **32 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Painting one coat with white paint on old work | | | | | |
| 13.93.2 | Rate as per Item Number 13.93.2 of SH: Repairs to buildings | sqm | 1.334 | 44.80 | 59.76 | A |
| 9999 | Add for delay | L.S. | 10.92 | 1.8 | 19.66 | |
| | TOTAL | | | | 79.42 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.20 | |
| | TOTAL | | | | 79.61 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 2.79 | |
| | TOTAL | | | | 82.40 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 3.40 | |
| | Cost of 10 metre | | | | 85.80 | |
| | Cost of 1 metre | | | | 8.58 | |
| | **Add 1% labour cess** | | | | 0.09 | |
| | **Rate** | **per m** | | | **8.70** | |
| **18.39.5** | **40 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Painting one coat with white paint on old work | | | | | |
| 13.93.2 | Rate as per Item Number 13.93.2 of SH: Repairs to buildings | sqm | 1.52 | 44.80 | 68.09 | A |
| 9999 | Add for delay | L.S. | 13.52 | 1.8 | 24.34 | |
| | TOTAL | | | | 92.43 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.24 | |
| | TOTAL | | | | 92.67 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 3.45 | |
| | TOTAL | | | | 96.13 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 4.20 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost of 10 metre | | | | 100.33 | |
| | Cost of 1 metre | | | | 10.03 | |
| | **Add 1% labour cess** | | | | 0.10 | |
| | **Rate** | **per m** | | | **10.10** | |
| **18.39.6** | **50 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Painting one coat with white paint on old work | | | | | |
| 13.93.2 | Rate as per Item Number 13.93.2 of SH: Repairs to buildings | sqm | 1.894 | 44.80 | 84.85 | A |
| 9999 | Add for delay | L.S. | 13.52 | 1.8 | 24.34 | |
| | TOTAL | | | | 109.18 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.24 | |
| | TOTAL | | | | 109.43 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 3.45 | |
| | TOTAL | | | | 112.88 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 4.20 | |
| | Cost of 10 metre | | | | 117.09 | |
| | Cost of 1 metre | | | | 11.71 | |
| | **Add 1% labour cess** | | | | 0.12 | |
| | **Rate** | **per m** | | | **11.80** | |
| ***18.40*** | ***Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality.*** | | | | | |
| **18.40.1** | **15 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Painting with anti-corrosive paint two coats | | | | | |
| 13.97.1 | Rate as per Item Number 13.97.1 of SH: Finishing | sqm | 0.673 | 54.26 | 36.52 | A |
| 9999 | Add for delay | L.S. | 8.06 | 1.8 | 14.51 | |
| | TOTAL | | | | 51.02 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.15 | |
| | TOTAL | | | | 51.17 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 2.06 | |
| | TOTAL | | | | 53.23 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 2.51 | |
| | Cost of 10 metre | | | | 55.73 | |
| | Cost of 1 metre | | | | 5.57 | |
| | **Add 1% labour cess** | | | | 0.06 | |
| | **Rate** | **per m** | | | **5.60** | |
| **18.40.2** | 20 mm diameter pipe. | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Painting with anti-corrosive paint two coats | | | | | |
| 13.97.1 | Rate as per Item Number 13.97.1 of SH: Finishing | sqm | 0.845 | 54.26 | 45.85 | A |
| | | | | | 0.00 | |
| 9999 | Add for delay | L.S. | 8.06 | 1.8 | 14.51 | |
| | TOTAL | | | | 60.36 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.15 | |
| | TOTAL | | | | 60.50 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 2.06 | |
| | TOTAL | | | | 62.56 | (Y) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 2.51 | |
| | Cost of 10 metre | | | | 65.07 | |
| | Cost of 1 metre | | | | 6.51 | |
| | **Add 1% labour cess** | | | | 0.07 | |
| | **Rate** | **per m** | | | **6.60** | |
| **18.40.3** | **25 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Painting with anti-corrosive paint two coats | | | | | |
| 13.97.1 | Rate as per Item Number 13.97.1 of SH: Finishing | sqm | 1.061 | 54.26 | 57.57 | A |
| 9999 | Add for delay | L.S. | 10.79 | 1.8 | 19.42 | |
| | TOTAL | | | | 76.99 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.19 | |
| | TOTAL | | | | 77.18 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 2.76 | |
| | TOTAL | | | | 79.94 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 2.94 | |
| | Cost of 10 metre | | | | 82.88 | |
| | Cost of 1 metre | | | | 8.29 | |
| | **Add 1% labour cess** | | | | 0.08 | |
| | **Rate** | **per m** | | | **8.40** | |
| **18.40.4** | **32 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Painting with anti-corrosive paint two coats | | | | | |
| 13.97.1 | Rate as per Item Number 13.97.1 of SH: Finishing | sqm | 1.334 | 54.26 | 72.38 | A |
| 9999 | Add for delay | L.S. | 10.79 | 1.8 | 19.42 | |
| | TOTAL | | | | 91.80 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.19 | |
| | TOTAL | | | | 92.00 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 2.76 | |
| | TOTAL | | | | 94.75 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 2.94 | |
| | Cost of 10 metre | | | | 97.69 | |
| | Cost of 1 metre | | | | 9.77 | |
| | **Add 1% labour cess** | | | | 0.10 | |
| | **Rate** | **per m** | | | **9.90** | |
| **18.40.5** | **40 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Painting with anti-corrosive paint two coats | | | | | |
| 13.97.1 | Rate as per Item Number 13.97.1 of SH: Finishing | sqm | 1.52 | 54.26 | 82.47 | A |
| 9999 | Add for delay | L.S. | 12.22 | 1.8 | 22.00 | |
| | TOTAL | | | | 104.47 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.22 | |
| | TOTAL | | | | 104.69 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 3.12 | |
| | TOTAL | | | | 107.81 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 3.33 | |
| | Cost of 10 metre | | | | 111.14 | |
| | Cost of 1 metre | | | | 11.11 | |
| | **Add 1% labour cess** | | | | 0.11 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | **Rate** | **per m** | | | **11.20** | |
| **18.40.6** | **50 mm diameter pipe.** | | | | | |
| | **Details of cost for 10 metre.** | | | | | |
| | **Painting with anti-corrosive paint two coats** | | | | | |
| 13.97.1 | Rate as per Item Number 13.97.1 of SH: Finishing | sqm | 1.894 | 54.26 | 102.76 | A |
| 9999 | Add for delay | L.S. | 12.22 | 1.8 | 22.00 | |
| | TOTAL | | | | 124.76 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.22 | |
| | TOTAL | | | | 124.98 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 3.12 | |
| | TOTAL | | | | 128.10 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 3.33 | |
| | Cost of 10 metre | | | | 131.43 | |
| | Cost of 1 metre | | | | 13.14 | |
| | **Add 1% labour cess** | | | | 0.13 | |
| | **Rate** | **per m** | | | **13.30** | |
| **18.40.7** | **65 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Painting with anti-corrosive paint two coats | | | | | |
| 13.97.1 | Rate as per Item Number 13.97.1 of SH: Finishing | sqm | 2.387 | 54.26 | 129.51 | A |
| 9999 | Add for delay | L.S. | 13.52 | 1.8 | 24.34 | |
| | TOTAL | | | | 153.85 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.24 | |
| | TOTAL | | | | 154.09 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 3.45 | |
| | TOTAL | | | | 157.54 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 3.69 | |
| | Cost of 10 metre | | | | 161.23 | |
| | Cost of 1 metre | | | | 16.12 | |
| | **Add 1% labour cess** | | | | 0.16 | |
| | **Rate** | **per m** | | | **16.30** | |
| **18.40.8** | **80 mm diameter pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Painting with anti-corrosive paint two coats | | | | | |
| 13.97.1 | Rate as per Item Number 13.97.1 of SH: Finishing | sqm | 2.796 | 54.26 | 151.70 | A |
| 9999 | Add for delay | L.S. | 14.82 | 1.8 | 26.68 | |
| | TOTAL | | | | 178.38 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.27 | |
| | TOTAL | | | | 178.65 | (X) |
| | Add GST 12% on "X"except A (multiplying factor 0.1405) | | | | 3.79 | |
| | TOTAL | | | | 182.43 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 4.04 | |
| | Cost of 10 metre | | | | 186.47 | |
| | Cost of 1 metre | | | | 18.65 | |
| | **Add 1% labour cess** | | | | 0.19 | |
| | **Rate** | **per m** | | | **18.80** | |
| **18.41** | **Providing and filling sand of grading zone V or coarser grade, all- round the G.I. pipes in external work.** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **18.41.1** | **15 mm diameter pipe.** | | | | |
| | Details of cost for sand filling alround | | | | |
| | 15mm dia pipe 10 m long. | | | | |
| | Width of sand filling = 300mm | | | | |
| | Depth of sand filling under the pipe=75mm+ | | | | |
| | Above the pipe = 150mm+ | | | | |
| | Max. external dia of pipe = 21.8mm | | | | |
| | = 246.8mm say 247mm | | | | |
| | Quantity of sand | | | | |
| | = 10x0.30x0.247 = 0.744 cum. | | | | |
| | Less for pipe | | | | |
| | = (3.142 x $0.0218^2$ / 4 )x10 = (-)0.004 cum. | | | | |
| | = 0.74 cum | | | | |
| 18.41.1A | Rate as per Item Number 18.41.1A of SH: Water supply | cum | 0.74 | 224.76 | 166.32 A |
| | TOTAL | | | | 166.32 |
| | Cost of 10 metre | | | | 166.32 |
| | Cost of 1 metre | | | | 16.63 |
| | **Add 1% labour cess** | | | | 0.17 |
| | **Rate** | **per m** | | | **16.80** |
| **18.41.1A** | Sub analysis item for sand filling component | | | | |
| **18.41.1A** | Details of cost for 1 cum sand. | | | | |
| | MATERIAL: | | | | |
| 6501 | Local Sand | cum | 1 | 117.66 | 117.66 |
| 2335 | Carriage of Local sand | cum | 1 | 0.00 | 0.00 |
| | LABOUR: | | | | |
| 114 | Beldar | day | 0.09 | 254.00 | 22.86 |
| 115 | Coolie | day | 0.11 | 265.00 | 29.15 |
| | TOTAL | | | | 169.67 |
| | Add Water Charges @ 1% | | | | 1.70 |
| | TOTAL | | | | 171.37 |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 24.08 |
| | TOTAL | | | | 195.44 |
| | Add CPOH @ 15% on "Y' | | | | 29.32 |
| | Cost of 1 cum | | | | 224.76 |
| | **Add 1% labour cess** | | | | 2.25 |
| | **Rate** | **cum** | | | **227.00** |
| **18.41.2** | **20 mm diameter pipe.** | | | | |
| | Details of cost for sand filling alround | | | | |
| | 20mm dia pipe 10 m long. | | | | |
| | Width of sand filling = 300mm | | | | |
| | Depth of sand filling under the pipe=75mm+ | | | | |
| | Above the pipe = 150mm+ | | | | |
| | Max. external dia of pipe = 27.3mm | | | | |
| | = 252.3 Say 252mm | | | | |
| | Quantity of sand | | | | |
| | = 10x0.30x0.252 = 0.756 cum. | | | | |
| | Less for pipe | | | | |
| | =(3.142 x $0.0273^2$ / 4 )x10 = (-)0.006cum. | | | | |
| | = 0.750 cum | | | | |
| 18.41.1A | Rate as per Item Number 18.41.1A of SH: Water supply | cum | 0.75 | 224.76 | 168.57 A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 168.57 | |
| | Cost of 10 metre | | | | 168.57 | |
| | Cost of 1 metre | | | | 16.86 | |
| | **Add 1% labour cess** | | | | 0.17 | |
| | **Rate** | **per m** | | | **17.00** | |
| **18.41.3** | **25 mm diameter pipe.** | | | | | |
| | Details of cost for sand filling alround<br>25mm dia pipe 10 m long.<br>Width of sand filling = 300mm<br>Depth of sand filling under the pipe=75mm<br>Above the pipe = 150mm<br>Max. external dia of pipe = 34.2mm<br>= 259.2 Say 259mm<br>Quantity of sand<br>= 10x0.30x0.259 = 0.777 cum.<br>Less for pipe<br>(3.142 x $0.0342^2$ / 4 ) x 10 = (-)0.009cum.<br>= 0.768 Say 0.77 cum | | | | | |
| 18.41.1A | Rate as per Item Number 18.41.1A of SH: Water supply | cum | 0.77 | 224.76 | 173.07 | A |
| | TOTAL | | | | 173.07 | |
| | Cost of 10 metre | | | | 173.07 | |
| | Cost of 1 metre | | | | 17.31 | |
| | **Add 1% labour cess** | | | | 0.17 | |
| | **Rate** | **per m** | | | **17.50** | |
| **18.41.4** | **32 mm diameter pipe.** | | | | | |
| | Details of cost for sand filling alround<br>32mm dia pipe 10 m long.<br>Width of sand filling = 300mm<br>Depth of sand filling under the pipe=75mm+<br>Above the pipe = 150mm+<br>Max. external dia of pipe = 42.9mm<br>= 267.9 Say 268mm<br>Quantity of sand =<br>10x0.30x0.268 =0.804 cum<br>Less for pipe<br>(3.142 x $0.0429^2$ / 4 )x 10 = (-)0.014cum.<br>= 0.790 Say 0.79 cum. | | | | | |
| 18.41.1A | Rate as per Item Number 18.41.1A of SH: Water supply | cum | 0.79 | 224.76 | 177.56 | A |
| | TOTAL | | | | 177.56 | |
| | Cost of 10 metre | | | | 177.56 | |
| | Cost of 1 metre | | | | 17.76 | |
| | **Add 1% labour cess** | | | | 0.18 | |
| | **Rate** | **per m** | | | **17.90** | |
| **18.41.5** | **40 mm diameter pipe.** | | | | | |
| | Details of cost for sand filling alround<br>40mm dia pipe 10 m long.<br>Width of sand filling = 300mm<br>Depth of sand filling under the pipe=75mm+<br>Above the pipe = 150mm+<br>Max. external dia of pipe = 48.8mm<br>= 273.8 Say 274mm<br>Quantity of sand<br>= 10x0.30x0.274 = 0.82cum | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Less for pipe | | | | | |
| | (3.142 x 0.0488² / 4 )x10 = (-)0.014cum. | | | | | |
| | = 0.801 Say 0.80 cum | | | | | |
| 18.41.1A | Rate as per Item Number 18.41.1A of | cum | 0.8 | 224.76 | 179.81 | A |
| | SH: Water supply | | | | | |
| | TOTAL | | | | 179.81 | |
| | Cost of 10 metre | | | | 179.81 | |
| | Cost of 1 metre | | | | 17.98 | |
| | **Add 1% labour cess** | | | | 0.18 | |
| | **Rate** | **per m** | | | **18.20** | |
| **18.41.6** | **50 mm diameter pipe.** | | | | | |
| | Details of cost for sand filling alround | | | | | |
| | 50mm dia pipe 10 m long. | | | | | |
| | Width of sand filling = 300mm | | | | | |
| | Depth of sand filling under the pipe=75mm+ | | | | | |
| | Above the pipe =150mm+ | | | | | |
| | Max. external dia of pipe = 60.8mm | | | | | |
| | = 285.8 Say 286mm | | | | | |
| | Quantity of sand | | | | | |
| | =10x0.30x0.286 =0.858 cum | | | | | |
| | Less for pipe | | | | | |
| | (3.142 x 0.0608² / 4 )x10 = (-)0.029cum. | | | | | |
| | = 0.829 Say 0.83 cum | | | | | |
| 18.41.1A | Rate as per Item Number 18.41.1A of | cum | 0.83 | 224.76 | 186.55 | A |
| | SH: Water supply | | | | | |
| | TOTAL | | | | 186.55 | |
| | Cost of 10 metre | | | | 186.55 | |
| | **Cost of 1 metre** | | | | **18.66** | |
| | **Add 1% labour cess** | | | | 0.19 | |
| | **Rate** | **per m** | | | **18.80** | |
| **18.41.7** | **65 mm diameter pipe.** | | | | | |
| | Details of cost for sand filling alround | | | | | |
| | 65mm dia pipe 10 m long. | | | | | |
| | Width of sand filling = 300mm | | | | | |
| | Depth of sand filling under the pipe=75mm+ | | | | | |
| | Above the pipe = 150mm+ | | | | | |
| | Max. external dia of pipe = 76.6mm | | | | | |
| | = 301.6 Say 302mm | | | | | |
| | Quantity of sand | | | | | |
| | =10x0.45x0.302 =1.359cum | | | | | |
| | Less for pipe | | | | | |
| | (3.142 x 0.0766² / 4 )x10 =(-)0.046cum. | | | | | |
| | = 1.313 Say 1.31 cum | | | | | |
| 18.41.1A | Rate as per Item Number 18.41.1A of | cum | 1.31 | 224.76 | 294.44 | A |
| | SH: Water supply | | | | | |
| | TOTAL | | | | 294.44 | |
| | Cost of 10 metre | | | | 294.44 | |
| | Cost of 1 metre | | | | 29.44 | |
| | **Add 1% labour cess** | | | | 0.29 | |
| | **Rate** | **per m** | | | **29.70** | |
| **18.41.8** | **80 mm diameter pipe.** | | | | | |
| | Details of cost for sand filling alround | | | | | |
| | 80mm dia pipe 10 m long. | | | | | |
| | Width of sand filling = 300mm | | | | | |
| | Depth of sand filling under the pipe=75mm+ | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Above the pipe = 150mm+<br>Max. external dia of pipe = 89.9mm<br>= 314.9 Say 315mm<br>Quantity of sand<br>= 10x0.45x0.315= 1.418 cum<br>Less for pipe<br>(3.142 x $0.0899^2$ / 4 )x10 = (-)0.0640cum.<br>= 1.354 Say 1.35 cum | | | | |
| 18.41.1A | Rate as per Item Number 18.41.1A of<br>SH: Water supply | cum | 1.35 | 224.76 | 303.43 A |
| | TOTAL | | | | 303.43 |
| | Cost of 10 metre | | | | 303.43 |
| | Cost of 1 metre | | | | 30.34 |
| | **Add 1% labour cess** | | | | 0.30 |
| | **Rate** | **per m** | | | **30.60** |
| **18.41.9** | **100 mm diameter pipe.** | | | | |
| | Details of cost for sand filling alround<br>100mm dia pipe 10 m long.<br>Depth of sand filling under the pipe=75mm+<br>Above the pipe = 150mm+<br>Max. external dia of pipe = 115mm<br>= 340mm<br>Quantity of sand<br>= 10x0.45x0.34 = 1.53 cum<br>Less for pipe<br>(3.142 x $0.0115^2$ / 4 )x10 = (-)0.10 cum.<br>= 1.43 cum | | | | |
| 18.41.1A | Rate as per Item Number 18.41.1A of<br>SH: Water supply | cum | 1.43 | 224.76 | 321.41 A |
| | TOTAL | | | | 321.41 |
| | Cost of 10 metre | | | | 321.41 |
| | Cost of 1 metre | | | | 32.14 |
| | **Add 1% labour cess** | | | | 0.32 |
| | **Rate** | **per m** | | | **32.50** |
| **18.41.10** | **150 mm diameter pipe.** | | | | |
| | Details of cost for sand filling alround<br>150mm dia pipe 10 m long.<br>Width of sand filling = 300mm<br>Depth of sand filling under the pipe 75mm+<br>Above the pipe = 150mm+<br>Max. external dia of pipe = 166.5mm<br>= 391.50mm Say 0.392m<br>Quantity of sand<br>= 10x0.60x0.392 = 2.35 cum<br>Less for pipe<br>(3.142 x $0.0167^2$ / 4 )x10 = (-)0.22cum.<br>= 2.13 cum | | | | |
| 18.41.1A | Rate as per Item Number 18.41.1A of<br>SH: Water supply | cum | 2.13 | 224.76 | 478.74 A |
| | TOTAL | | | | 478.74 |
| | Cost of 10 metre | | | | 478.74 |
| | Cost of 1 metre | | | | 47.87 |
| | **Add 1% labour cess** | | | | 0.48 |
| | **Rate** | **per m** | | | **48.40** |
| **18.42** | **Boring with 100 mm diameter casing pipe for hand pump / tube well in all soils** | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | **except ordinary hard rocks requiring blasting, including removing the casing pipe after the hand pump/ tube well is lowered and tested.** | | | | |
| **18.42.1** | Upto 6 metres depth. | | | | |
| | Details of cost for 6 metre. | | | | |
| | LABOUR : | | | | |
| | For boring and removing the pipe- | | | | |
| 116 | Fitter (grade 1) | day | 0.50 | 348.00 | 174.00 |
| 114 | Beldar | day | 3.00 | 254.00 | 762.00 |
| 10 | Hire charges of Derrick monkey rope and other accessories | day | 0.50 | 800.00 | 400.00 |
| | Depreciation @ 2% of the cost of casing pipe 6metre @ Rs. per metre | | | | |
| 1472 | Casing pipe 100 mm dia | metre | 0.12 | 311.79 | 37.42 |
| 9999 | Sundries | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 1397.75 |
| | Add Water Charges @ 1% | | | | 13.98 |
| | TOTAL | | | | 1411.73 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 198.35 |
| | TOTAL | | | | 1610.08 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 241.51 |
| | Cost of 6 metre | | | | 1851.59 |
| | Cost of 1 metre | | | | 308.60 |
| | **Add 1% labour cess** | | | | 3.09 |
| | **Rate** | **per m** | | | **311.70** |
| **18.42.2** | **Beyond 6 m and upto 12 m depth.** | | | | |
| | Details of cost for 6 metre. | | | | |
| | LABOUR : | | | | |
| | For boring and removing the pipe- | | | | |
| 116 | Fitter (grade 1) | day | 0.62 | 348.00 | 215.76 |
| 114 | Beldar | day | 3.50 | 254.00 | 889.00 |
| 10 | Hire charges of Derrick monkey rope and other accessories | day | 0.62 | 800.00 | 496.00 |
| | Depreciation @ 2% of the cost of casing pipe 6metre @ Rs. per metre | | | | |
| 1472 | Casing pipe 100 mm dia | metre | 0.12 | 311.79 | 37.42 |
| 9999 | Sundries | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 1662.51 |
| | Add Water Charges @ 1% | | | | 16.63 |
| | TOTAL | | | | 1679.14 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 235.92 |
| | TOTAL | | | | 1915.05 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 287.26 |
| | Cost of 6 metre | | | | 2202.31 |
| | Cost of 1 metre | | | | 367.05 |
| | **Add 1% labour cess** | | | | 3.67 |
| | **Rate** | **per m** | | | **370.70** |
| **18.42.3** | **Beyond 12 m and upto 18 m depth.** | | | | |
| | Details of cost for 6 metre. | | | | |
| | LABOUR : | | | | |
| | For boring and removing the pipe- | | | | |
| 116 | Fitter (grade 1) | day | 0.75 | 348.00 | 261.00 |
| 114 | Beldar | day | 4.00 | 254.00 | 1016.00 |
| 10 | Hire charges of Derrick monkey rope and other accessories | day | 0.75 | 800.00 | 600.00 |
| | Depreciation @ 2% of the cost of casing | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | pipe 6metre @ Rs. per metre | | | | |
| 1472 | Casing pipe 100 mm dia | metre | 0.12 | 311.79 | 37.42 |
| 9999 | Sundries | L.S. | 13.52 | 1.80 | 24.34 |
| | TOTAL | | | | 1938.75 |
| | Add Water Charges @ 1% | | | | 19.39 |
| | TOTAL | | | | 1958.14 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 275.12 |
| | TOTAL | | | | 2233.26 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 334.99 |
| | Cost of 6 metre | | | | 2568.25 |
| | Cost of 1 metre | | | | 428.04 |
| | **Add 1% labour cess** | | | | 4.28 |
| | **Rate** | **per m** | | | **432.30** |
| **18.43** | **Providing and placing in position filters of 40 mm diameter G.I. pipe with brass strainer of approved quality.** | | | | |
| | Details of cost for one strainer 1.5 long. | | | | |
| | MATERIAL: | | | | |
| 1882 | Strainer brass 40 mm dia 1.5 metre long | each | 1 | 558.43 | 558.43 |
| 9999 | Carriage of site | L.S. | 13.52 | 1.8 | 24.34 |
| | LABOUR: | | | | 0.00 |
| 116 | Fitter (grade 1) | day | 0.17 | 348.00 | 59.16 |
| 114 | Beldar | day | 0.17 | 254.00 | 43.18 |
| 9999 | Sundries including hamp white lead etc. | L.S. | 7.15 | 1.8 | 12.87 |
| | TOTAL | | | | 697.98 |
| | Add Water Charges @ 1% | | | | 6.98 |
| | TOTAL | | | | 704.96 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 99.05 |
| | TOTAL | | | | 804.01 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 120.60 |
| | Cost of 1.5 metre | | | | 924.61 |
| | Cost of 1 metre | | | | 616.41 |
| | **Add 1% labour cess** | | | | 6.16 |
| | **Rate** | **per m** | | | **622.60** |
| **18.44** | **Providing and fixing to filter and lowering to proper levels 40 mm G.I. pipe for tube well including cleaning and priming the tube well.** | | | | |
| | Details of cost for a depth of 10 metre. | | | | |
| | MATERIAL: | | | | |
| 1549 | G.I. pipes 40 mm dia | metre | 10.20 | 172.18 | 1756.28 |
| | Carriage of 40mm pipe(36.5kg) | | | | |
| | Added 2% wastage and fittings | | | | |
| 2271 | Carriage of G.I. pipes below 100 mm dia | tonne | 0.04 | 96.07 | 3.58 |
| 9999 | White lead, hamp and oil etc. | L.S. | 6.76 | 1.80 | 12.17 |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 |
| 114 | Beldar | day | 0.75 | 254.00 | 190.50 |
| 9999 | Sundries | L.S. | 7.25 | 1.80 | 13.05 |
| | TOTAL | | | | 2090.41 |
| | Add Water Charges @ 1% | | | | 20.90 |
| | TOTAL | | | | 2111.31 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 296.64 |
| | TOTAL | | | | 2407.95 (Y) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add CPOH @ 15% on "Y" | | | | 361.19 |
| | Cost of 10 metre | | | | 2769.15 |
| | Cost of 1 metre | | | | 276.91 |
| | **Add 1% labour cess** | | | | 2.77 |
| | **Rate** | **per m** | | | **279.70** |
| **18.45** | Providing and placing in position hand pump of approved quality for 40 mm diameter G.I. pipe complete with all accessories. | | | | |
| | Details of cost for 1 pump. | | | | |
| | MATERIAL: | | | | |
| 1693 | S.C.I. hand pump | each | 1.00 | 623.58 | 623.58 |
| 9999 | Carriage | L.S. | 13.52 | 1.80 | 24.34 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.10 | 348.00 | 34.80 |
| 114 | Beldar | day | 0.10 | 254.00 | 25.40 |
| 9999 | Sundries | L.S. | 4.42 | 1.80 | 7.96 |
| | TOTAL | | | | 716.08 |
| | Add Water Charges @ 1% | | | | 7.16 |
| | TOTAL | | | | 723.24 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 101.61 |
| | TOTAL | | | | 824.85 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 123.73 |
| | Cost of each | | | | 948.58 |
| | **Add 1% labour cess** | | | | 9.49 |
| | **Rate** | **each** | | | **958.10** |
| **18.46** | Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work). | | | | |
| **18.46.1** | 15 mm nominal bore. | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1641 | G.I. Union 15 mm nominal bore | each | 1.00 | 27.92 | 27.92 |
| 9999 | Carriage of materials and sundries | L.S. | 1.82 | 1.80 | 3.28 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.11 | 348.00 | 38.28 |
| 114 | Beldar | day | 0.11 | 254.00 | 27.94 |
| | TOTAL | | | | 97.42 |
| | Add Water Charges @ 1% | | | | 0.97 |
| | TOTAL | | | | 98.39 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 13.82 |
| | TOTAL | | | | 112.22 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 16.83 |
| | Cost of each | | | | 129.05 |
| | **Add 1% labour cess** | | | | 1.29 |
| | **Rate** | **each** | | | **130.30** |
| **18.46.2** | **20 mm nominal bore** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1642 | G.I. Union 20 mm nominal bore | each | 1.00 | 46.54 | 46.54 |
| 9999 | Carriage of materials and sundries | L.S. | 1.82 | 1.80 | 3.28 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.11 | 348.00 | 38.28 |
| 114 | Beldar | day | 0.11 | 254.00 | 27.94 |
| | TOTAL | | | | 116.03 |
| | Add Water Charges @ 1% | | | | 1.16 |
| | TOTAL | | | | 117.19 (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 16.47 |
| | TOTAL | | | | 133.66 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 20.05 |
| | Cost of each | | | | 153.71 |
| | **Add 1% labour cess** | | | | 1.54 |
| | **Rate** | **each** | | | **155.20** |
| **18.46.3** | **25 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1643 | G.I. Union 25 mm nominal bore | each | 1.00 | 74.46 | 74.46 |
| 9999 | Carriage of materials and sundries | L.S. | 1.82 | 1.80 | 3.28 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.11 | 348.00 | 38.28 |
| 114 | Beldar | day | 0.11 | 254.00 | 27.94 |
| | TOTAL | | | | 143.95 |
| | Add Water Charges @ 1% | | | | 1.44 |
| | TOTAL | | | | 145.39 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 20.43 |
| | TOTAL | | | | 165.82 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 24.87 |
| | Cost of each | | | | 190.69 |
| | **Add 1% labour cess** | | | | 1.91 |
| | **Rate** | **each** | | | **192.60** |
| **18.46.4** | **32 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1644 | G.I. Union 32 mm nominal bore | each | 1.00 | 102.38 | 102.38 |
| 9999 | Carriage of materials and sundries | L.S. | 1.82 | 1.80 | 3.28 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.11 | 348.00 | 38.28 |
| 114 | Beldar | day | 0.11 | 254.00 | 27.94 |
| | TOTAL | | | | 171.88 |
| | Add Water Charges @ 1% | | | | 1.72 |
| | TOTAL | | | | 173.59 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 24.39 |
| | TOTAL | | | | 197.98 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 29.70 |
| | Cost of each | | | | 227.68 |
| | **Add 1% labour cess** | | | | 2.28 |
| | **Rate** | **each** | | | **230.00** |
| **18.46.5** | **40 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1645 | G.I. Union 40 mm nominal bore | each | 1.00 | 148.92 | 148.92 |
| 9999 | Carriage of materials and sundries | L.S. | 1.82 | 1.80 | 3.28 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.11 | 348.00 | 38.28 |
| 114 | Beldar | day | 0.11 | 254.00 | 27.94 |
| | TOTAL | | | | 218.41 |
| | Add Water Charges @ 1% | | | | 2.18 |
| | TOTAL | | | | 220.60 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 30.99 |
| | TOTAL | | | | 251.59 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 37.74 |
| | Cost of each | | | | 289.33 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | **Add 1% labour cess** | | | | 2.89 |
| | **Rate** | **each** | | | **292.20** |
| **18.46.6** | **50 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1646 | G.I. Union 50 mm nominal bore | each | 1.00 | 186.14 | 186.14 |
| 9999 | Carriage of materials and sundries | L.S. | 1.82 | 1.80 | 3.28 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.15 | 348.00 | 52.20 |
| 114 | Beldar | day | 0.15 | 254.00 | 38.10 |
| | TOTAL | | | | 279.72 |
| | Add Water Charges @ 1% | | | | 2.80 |
| | TOTAL | | | | 282.52 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 39.69 |
| | TOTAL | | | | 322.21 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 48.33 |
| | Cost of each | | | | 370.54 |
| | **Add 1% labour cess** | | | | 3.71 |
| | **Rate** | **each** | | | **374.20** |
| **18.46.7** | **65 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1647 | G.I. Union 65 mm nominal bore | each | 1.00 | 372.29 | 372.29 |
| 9999 | Carriage of materials and sundries | L.S. | 1.82 | 1.80 | 3.28 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.15 | 348.00 | 52.20 |
| 114 | Beldar | day | 0.15 | 254.00 | 38.10 |
| | TOTAL | | | | 465.87 |
| | Add Water Charges @ 1% | | | | 4.66 |
| | TOTAL | | | | 470.52 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 66.11 |
| | TOTAL | | | | 536.63 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 80.49 |
| | Cost of each | | | | 617.13 |
| | **Add 1% labour cess** | | | | 6.17 |
| | **Rate** | **each** | | | **623.30** |
| **18.46.8** | **80 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1648 | G.I. Union 80 mm nominal bore | each | 1.00 | 437.44 | 437.44 |
| 9999 | Carriage of materials and sundries | L.S. | 1.82 | 1.80 | 3.28 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.15 | 348.00 | 52.20 |
| 114 | Beldar | day | 0.15 | 254.00 | 38.10 |
| | TOTAL | | | | 531.02 |
| | Add Water Charges @ 1% | | | | 5.31 |
| | TOTAL | | | | 536.33 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 75.35 |
| | TOTAL | | | | 611.68 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 91.75 |
| | Cost of each | | | | 703.43 |
| | **Add 1% labour cess** | | | | 7.03 |
| | **Rate** | **each** | | | **710.50** |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **18.47** | **Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required.** | | | | | |
| **18.47.1** | **15 mm nominal bore.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1641 | G.I. Union 15 mm nominal bore | each | 1.00 | 27.92 | 27.92 | |
| 9999 | Carriage of materials and sundries | L.S. | 1.80 | 1.80 | 3.24 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 | |
| | TOTAL | | | | 229.82 | |
| | Add Water Charges @ 1% | | | | 2.30 | |
| | TOTAL | | | | 232.12 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 32.61 | |
| | TOTAL | | | | 264.73 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 39.71 | |
| | Cost of each | | | | 304.44 | |
| | **Add 1% labour cess** | | | | 3.04 | |
| | **Rate** | **each** | | | **307.50** | |
| **18.47.2** | **20 mm nominal bore.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1642 | G.I. Union 20 mm nominal bore | each | 1.00 | 46.54 | 46.54 | |
| 9999 | Carriage of materials and sundries | L.S. | 1.82 | 1.80 | 3.28 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 | |
| | TOTAL | | | | 248.47 | |
| | Add Water Charges @ 1% | | | | 2.48 | |
| | TOTAL | | | | 250.96 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 35.26 | |
| | TOTAL | | | | 286.22 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 42.93 | |
| | Cost of each | | | | 329.15 | |
| | **Add 1% labour cess** | | | | 3.29 | |
| | **Rate** | **each** | | | **332.40** | |
| **18.47.3** | **25 mm nominal bore.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 1643 | G.I. Union 25 mm nominal bore | each | 1.00 | 74.46 | 74.46 | |
| 9999 | Carriage of materials and sundries | L.S. | 1.82 | 1.80 | 3.28 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 | |
| | TOTAL | | | | 276.39 | |
| | Add Water Charges @ 1% | | | | 2.76 | |
| | TOTAL | | | | 279.16 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 39.22 | |
| | TOTAL | | | | 318.38 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 47.76 | |
| | Cost of each | | | | 366.14 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | **Add 1% labour cess** | | | | 3.66 |
| | **Rate** | **each** | | | **369.80** |
| **18.47.4** | **32 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1644 | G.I. Union 32 mm nominal bore | each | 1.00 | 102.38 | 102.38 |
| 9999 | Carriage of materials and sundries | L.S. | 1.82 | 1.80 | 3.28 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 |
| | TOTAL | | | | 304.32 |
| | Add Water Charges @ 1% | | | | 3.04 |
| | TOTAL | | | | 307.36 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 43.18 |
| | TOTAL | | | | 350.54 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 52.58 |
| | Cost of each | | | | 403.12 |
| | **Add 1% labour cess** | | | | 4.03 |
| | **Rate** | **each** | | | **407.20** |
| **18.47.5** | **40 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1645 | G.I. Union 40 mm nominal bore | each | 1.00 | 148.92 | 148.92 |
| 9999 | Carriage of materials and sundries | L.S. | 1.82 | 1.80 | 3.28 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 |
| | TOTAL | | | | 350.85 |
| | Add Water Charges @ 1% | | | | 3.51 |
| | TOTAL | | | | 354.36 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 49.79 |
| | TOTAL | | | | 404.15 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 60.62 |
| | Cost of each | | | | 464.77 |
| | Say | | | | 4.65 |
| | | | | | **469.40** |
| **18.47.6** | **50 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1646 | G.I. Union 50 mm nominal bore | each | 1 | 186.14 | 186.14 |
| 9999 | Carriage of materials and sundries | L.S. | 1.82 | 1.8 | 3.28 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.45 | 348.00 | 156.60 |
| 114 | Beldar | day | 0.45 | 254.00 | 114.30 |
| | TOTAL | | | | 460.32 |
| | Add Water Charges @ 1% | | | | 4.60 |
| | TOTAL | | | | 464.92 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 65.32 |
| | TOTAL | | | | 530.25 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 79.54 |
| | Cost of each | | | | 609.78 |
| | **Add 1% labour cess** | | | | 6.10 |
| | **Rate** | **each** | | | **615.90** |
| **18.47.7** | **65 mm nominal bore.** | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1647 | G.I. Union 65 mm nominal bore | each | 1 | 372.29 | 372.29 |
| 9999 | Carriage of materials and sundries | L.S. | 1.82 | 1.8 | 3.28 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.45 | 348.00 | 156.60 |
| 114 | Beldar | day | 0.45 | 254.00 | 114.30 |
| | TOTAL | | | | 646.47 |
| | Add Water Charges @ 1% | | | | 6.46 |
| | TOTAL | | | | 652.93 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 91.74 |
| | TOTAL | | | | 744.67 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 111.70 |
| | Cost of each | | | | 856.37 |
| | **Add 1% labour cess** | | | | 8.56 |
| | **Rate** | **per m** | | | **864.90** |
| **18.47.8** | **80 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 1648 | G.I. Union 80 mm nominal bore | each | 1 | 437.44 | 437.44 |
| 9999 | Carriage of materials and sundries | L.S. | 1.82 | 1.8 | 3.28 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.45 | 348.00 | 156.60 |
| 114 | Beldar | day | 0.45 | 254.00 | 114.30 |
| | TOTAL | | | | 711.62 |
| | Add Water Charges @ 1% | | | | 7.12 |
| | TOTAL | | | | 718.73 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 100.98 |
| | TOTAL | | | | 819.71 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 122.96 |
| | Cost of each | | | | 942.67 |
| | **Add 1% labour cess** | | | | 9.43 |
| | **Rate** | **each** | | | **952.10** |
| **18.48** | **Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.** | | | | |
| | **Details of cost for 500 litres tank one no.** | | | | |
| | MATERIAL: | | | | |
| 1649 | Polyethylene water storage tank with cover and per suitable locking arrangement | litre | 500 | 4.93 | 2466.42 |
| 9999 | Carriage to site | L.S. | 179.4 | 1.8 | 322.92 |
| 9999 | Placing at terrace | L.S. | 89.7 | 1.8 | 161.46 |
| | TOTAL | | | | 2950.80 |
| | Add Water Charges @ 1% | | | | 29.51 |
| | TOTAL | | | | 2980.30 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 418.73 |
| | TOTAL | | | | 3399.04 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 509.86 |
| | Cost of 500 litres | | | | 3908.89 |
| | Cost per litre | | | | 7.82 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | **Add 1% labour cess** | | | | **0.08** |
| | **Rate** | **per litre** | | | **7.90** |
| **18.49** | **Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931.** | | | | |
| **18.49.1** | **15 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7257 | C.P. Brass bibcock 15 mm | each | 1 | 279.22 | 279.22 |
| 9999 | Carriage of materials and fixing charges | L.S. | 11.57 | 1.8 | 20.83 |
| | TOTAL | | | | 300.04 |
| | Add Water Charges @ 1% | | | | 3.00 |
| | TOTAL | | | | 303.04 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 42.58 |
| | TOTAL | | | | 345.62 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 51.84 |
| | Cost of each | | | | 397.46 |
| | **Add 1% labour cess** | | | | 3.97 |
| | **Rate** | **each** | | | **401.40** |
| **18.5** | **Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.** | | | | |
| **18.50.1** | 15 mm nominal bore. | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7258 | C.P. Brass long nose bibcock 15 mm | each | 1 | 418.83 | 418.83 |
| 9999 | Carriage of materials and fixing charges | L.S. | 16.25 | 1.8 | 29.25 |
| | TOTAL | | | | 448.08 |
| | Add Water Charges @ 1% | | | | 4.48 |
| | TOTAL | | | | 452.56 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 63.58 |
| | TOTAL | | | | 516.14 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 77.42 |
| | Cost of each | | | | 593.56 |
| | **Add 1% labour cess** | | | | 5.94 |
| | **Rate** | **each** | | | **599.50** |
| **18.51** | **Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.** | | | | |
| **18.51.1** | 15 mm nominal bore. | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7259 | C.P. Brass long body bibcock 15 mm | each | 1 | 372.29 | 372.29 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.91 | 1.8 | 25.04 |
| | TOTAL | | | | 397.33 |
| | Add Water Charges @ 1% | | | | 3.97 |
| | TOTAL | | | | 401.30 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 56.38 |
| | TOTAL | | | | 457.68 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 68.65 |
| | Cost of each | | | | 526.34 |
| | **Add 1% labour cess** | | | | 5.26 |
| | **Rate** | **each** | | | **531.60** |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **18.52** | **Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.** | | | | |
| **18.52.1** | **15 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7260 | C.P. Brass stop cock (concealed) 15 mm | each | 1 | 418.83 | 418.83 |
| 9999 | Carriage of materials and fixing charges | L.S. | 11.57 | 1.8 | 20.83 |
| | TOTAL | | | | 439.65 |
| | Add Water Charges @ 1% | | | | 4.40 |
| | TOTAL | | | | 444.05 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 62.39 |
| | TOTAL | | | | 506.44 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 75.97 |
| | Cost of each | | | | 582.40 |
| | **Add 1% labour cess** | | | | 5.82 |
| | **Rate** | **per m** | | | **588.20** |
| **18.53** | **Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931.** | | | | |
| **18.53.1** | **15 mm nominal bore.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7261 | C.P. Brass angle valve 15 mm | each | 1 | 362.98 | 362.98 |
| 9999 | Carriage and fixing changes | L.S. | 11.31 | 1.8 | 20.36 |
| | TOTAL | | | | 383.34 |
| | Add Water Charges @ 1% | | | | 3.83 |
| | TOTAL | | | | 387.17 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 54.40 |
| | TOTAL | | | | 441.57 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 66.24 |
| | Cost of each | | | | 507.81 |
| | Say | | | | 5.08 |
| | | | | | **512.90** |
| **18.54** | **Providing and fixing PTMT bib cock of approved quality and colour.** | | | | |
| **18.54.1** | **15 mm nominal bore, 86 mm long, weighing not less than 88 gms.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7400 | 15 mm PTMT bib cock | each | 1.00 | 69.80 | 69.80 |
| 9999 | Carriage of materials and fixing charges | L.S. | 8.06 | 1.80 | 14.51 |
| | TOTAL | | | | 84.31 |
| | Add Water Charges @ 1% | | | | 0.84 |
| | TOTAL | | | | 85.16 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 11.96 |
| | TOTAL | | | | 97.12 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 14.57 |
| | Cost of each | | | | 111.69 |
| | **Add 1% labour cess** | | | | 1.12 |
| | **Rate** | **each** | | | **112.80** |
| **18.54.2** | **15 mm nominal bore, 122 mm long, weighing not less than 99 gms.** | | | | |
| | Details of cost for one no. | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | MATERIAL: | | | | |
| 7401 | 15 mm PTMT bib cock with flange (fancy) | each | 1.00 | 102.38 | 102.38 |
| 9999 | Carriage of materials and fixing charges | L.S. | 8.06 | 1.80 | 14.51 |
| | TOTAL | | | | 116.89 |
| | Add Water Charges @ 1% | | | | 1.17 |
| | TOTAL | | | | 118.06 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 16.59 |
| | TOTAL | | | | 134.64 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 20.20 |
| | Cost of each | | | | 154.84 |
| | **Add 1% labour cess** | | | | 1.55 |
| | **Rate** | **each** | | | **156.40** |
| **18.54.3** | **15 mm nominal bore, 165 mm long, weighing not less than 110 gms.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7402 | 15 mm PTMT bib-cock long body with flange | each | 1.00 | 113.55 | 113.55 |
| 9999 | Carriage of materials and fixing charges | L.S. | 8.06 | 1.80 | 14.51 |
| | TOTAL | | | | 128.06 |
| | Add Water Charges @ 1% | | | | 1.28 |
| | TOTAL | | | | 129.34 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 18.17 |
| | TOTAL | | | | 147.51 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 22.13 |
| | Cost of each | | | | 169.63 |
| | **Add 1% labour cess** | | | | 1.70 |
| | **Rate** | **each** | | | **171.30** |
| **18.54.4** | **15 mm nominal bore, 90 mm long, weighing not less than 93 gms.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7859 | P.T.M.T. Bib cock with nozzle 15 mm | each | 1.00 | 78.1 8 | 78.18 |
| 9999 | Carriage of materials and fixing charges | L.S. | 8.06 | 1.80 | 14.51 |
| | TOTAL | | | | 92.69 |
| | Add Water Charges @ 1% | | | | 0.93 |
| | TOTAL | | | | 93.62 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 13.15 |
| | TOTAL | | | | 106.77 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 16.02 |
| | Cost of each | | | | 122.78 |
| | **Add 1% labour cess** | | | | 1.23 |
| | **Rate** | **each** | | | **124.00** |
| **18.55** | Providing and fixing PTMT stop cock of approved quality and colour. | | | | |
| **18.55.1** | 15 mm nominal bore, 86 mm long, weighing not less than 88 gms. | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7403 | 15 mm dia PTMT stop cock(male thread) | each | 1.00 | 69.80 | 69.80 |
| 9999 | Carriage of materials and fixing charges | L.S. | 8.06 | 1.80 | 14.51 |
| | TOTAL | | | | 84.31 |
| | Add Water Charges @ 1% | | | | 0.84 |
| | TOTAL | | | | 85.16 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 11.96 |
| | TOTAL | | | | 97.12 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 14.57 |
| | Cost of each | | | | 111.69 |
| | **Add 1% labour cess** | | | | 1.12 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | **Rate** | **each** | | | **112.80** | |
| **18.55.2** | **20 mm nominal bore, 89 mm long, weighing not less than 88 gms.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7405 | 20 mm dia PTMT stop cock | each | 1.00 | 94.93 | 94.93 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 8.06 | 1.80 | 14.51 | |
| | TOTAL | | | | 109.44 | |
| | Add Water Charges @ 1% | | | | 1.09 | |
| | TOTAL | | | | 110.54 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 15.53 | |
| | TOTAL | | | | 126.07 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 18.91 | |
| | Cost of each | | | | 144.98 | |
| | **Add 1% labour cess** | | | | 1.45 | |
| | **Rate** | **each** | | | **146.40** | |
| **18.55.3** | Concealed stop cock, 15 mm nominal bore, 108 mm long, weighing not less than 108 gms. | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7861 | P.T.M.T. Stop cock (concealed) 15 mm | each | 1.00 | 116 .34 | 116.34 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 8.06 | 1.80 | 14.51 | |
| | TOTAL | | | | 130.85 | |
| | Add Water Charges @ 1% | | | | 1.31 | |
| | TOTAL | | | | 132.16 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 18.57 | |
| | TOTAL | | | | 150.72 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 22.61 | |
| | Cost of each | | | | 173.33 | |
| | **Add 1% labour cess** | | | | 1.73 | |
| | **Rate** | **each** | | | **175.10** | |
| **18.56** | **Providing and fixing PTMT pillar cock of approved quality and colour.** | | | | | |
| **18.56.1** | **15 mm nominal bore, 107 mm long, weighing not less than 110 gms.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7406 | PTMT pillar cock | each | 1.00 | 120.06 | 120.06 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 9.49 | 1.80 | 17.08 | |
| | TOTAL | | | | 137.15 | |
| | Add Water Charges @ 1% | | | | 1.37 | |
| | TOTAL | | | | 138.52 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 19.46 | |
| | TOTAL | | | | 157.98 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 23.70 | |
| | Cost of each | | | | 181.68 | |
| | **Add 1% labour cess** | | | | 1.82 | |
| | **Rate** | **each** | | | **183.50** | |
| **18.56.2** | **15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7410 | PTMT Pillar cock (fancy) 15 mm foam flow | each | 1.00 | 134.02 | 134.02 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 9.49 | 1.80 | 17.08 | |
| | TOTAL | | | | 151.11 | |
| | Add Water Charges @ 1% | | | | 1.51 | |
| | TOTAL | | | | 152.62 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 21.44 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 174.06 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 26.11 |
| | Cost of each | | | | 200.17 |
| | **Add 1% labour cess** | | | | 2.00 |
| | **Rate** | **each** | | | **202.20** |
| **18.57** | **Providing and fixing PTMT, push cock of approv ed quality and colour.** | | | | |
| **18.57.1** | **15 mm nominal bore, 98 mm long, weighing not less than 75 gms.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7407 | PTMT push cock 15 mm dia | each | 1.00 | 60.50 | 60.50 |
| 9999 | Carriage of materials and fixing charges | L.S. | 8.06 | 1.80 | 14.51 |
| | TOTAL | | | | 75.01 |
| | Add Water Charges @ 1% | | | | 0.75 |
| | TOTAL | | | | 75.76 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 10.64 |
| | TOTAL | | | | 86.40 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 12.96 |
| | Cost of each | | | | 99.36 |
| | **Add 1% labour cess** | | | | 0.99 |
| | **Rate** | **each** | | | **100.40** |
| **18.57.2** | **15 mm nominal bore, 80 mm long, weighing not less than 46 gms.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7408 | PTMT push cock 12 mm dia 20 mm BSP | each | 1.00 | 55.84 | 55.84 |
| 9999 | Carriage of materials and fixing charges | L.S. | 8.06 | 1.80 | 14.51 |
| | TOTAL | | | | 70.35 |
| | Add Water Charges @ 1% | | | | 0.70 |
| | TOTAL | | | | 71.05 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 9.98 |
| | TOTAL | | | | 81.04 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 12.16 |
| | Cost of each | | | | 93.19 |
| | **Add 1% labour cess** | | | | 0.93 |
| | **Rate** | **each** | | | **94.10** |
| **18.58** | **Providing and fixing PTMT grating of approved quality and colour.** | | | | |
| **18.58.1** | **Circular type.** | | | | |
| **18.58.1.1** | **100 mm nominal dia.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7409 | PTMT grating 100 mm dia | each | 1.00 | 19.55 | 19.55 |
| 9999 | Carriage of materials and fixing charges | L.S. | 4.16 | 1.80 | 7.49 |
| | TOTAL | | | | 27.03 |
| | Add Water Charges @ 1% | | | | 0.27 |
| | TOTAL | | | | 27.30 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 3.84 |
| | TOTAL | | | | 31.14 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 4.67 |
| | Cost of each | | | | 35.81 |
| | **Add 1% labour cess** | | | | 0.36 |
| | **Rate** | **each** | | | **36.20** |
| **18.58.1.2** | **125 mm nominal dia with 25 mm waste hole.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7411 | 125 mm grating with waste hole | each | 1.00 | 29.78 | 29.78 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Carriage of materials and fixing charges | L.S. | 4.16 | 1.80 | 7.49 | |
| | TOTAL | | | | 37.27 | |
| | Add Water Charges @ 1% | | | | 0.37 | |
| | TOTAL | | | | 37.64 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 5.29 | |
| | TOTAL | | | | 42.93 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 6.44 | |
| | Cost of each | | | | 49.37 | |
| | **Add 1% labour cess** | | | | 0.49 | |
| | **Rate** | **each** | | | **49.90** | |
| **18.58.2** | **Rectangular type with openable circular lid.** | | | | | |
| **18.58.2.1** | **150 mm nominal size square 100 mm diameter of the inner hinged round grating.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7412 | Rectangular type with openable circular lid 150 mm size 18 mm high with 100 mm dia (110 gm) | each | 1.00 | 113.55 | 113.55 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 4.16 | 1.80 | 7.49 | |
| | TOTAL | | | | 121.04 | |
| | Add Water Charges @ 1% | | | | 1.21 | |
| | TOTAL | | | | 122.25 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 17.18 | |
| | TOTAL | | | | 139.42 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 20.91 | |
| | Cost of each | | | | 160.34 | |
| | **Add 1% labour cess** | | | | 1.60 | |
| | **Rate** | **each** | | | **161.90** | |
| **18.59** | **Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc. if required will be paid separately).** | | | | | |
| **18.59.1** | **50 mm dia.** | | | | | |
| | Details of cost for 10 nos. double acting air valves. | | | | | |
| | MATERIAL: | | | | | |
| 7415 | Double acting air valve 50 mm | each | 10 | 3629.82 | 36298.21 | |
| 9999 | Carriage of air valves | L.S. | 26 | 1.8 | 46.80 | |
| 9999 | Labour for laying of double acting air valve | L.S. | 39 | 1.8 | 70.20 | |
| | Providing flanged joints to double acting air valves with bolts, nuts and rubber insertions etc | | | | | |
| 18.30.1 | Rate as per Item Number 18.30.1 of SH: Water supply | each | 10 | 113.3 | 1132.86 | A |
| | TOTAL | | | | 37548.08 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 364.15 | |
| | TOTAL | | | | 37912.23 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 5167.50 | |
| | TOTAL | | | | 43079.73 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 6292.03 | |
| | Cost of 10 nos | | | | 49371.76 | |
| | Cost of each | | | | 4937.18 | |
| | **Add 1% labour cess** | | | | 49.37 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | **Rate** | **each** | | | **4986.50** | |
| **18.59.2** | **80 mm dia.** | | | | | |
| | Details of cost for 10 nos. double acting air valves. | | | | | |
| | MATERIAL: | | | | | |
| 7416 | Double acting air valve 80 mm | each | 10 | 4420.94 | 44209.36 | |
| 9999 | Carriage of air valves | L.S. | 26 | 1.8 | 46.80 | |
| 9999 | Labour for laying of double acting air valve | L.S. | 39 | 1.8 | 70.20 | |
| | Providing flanged joints to double acting air valves with bolts, nuts and rubber insertions etc | | | | | |
| 18.30.1 | Rate as per Item Number 18.30.1 of each SH: Water supply | 10 | 1 | 11 3.3 | 113.29 | A |
| | TOTAL | | | | 44439.65 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 443.26 | |
| | TOTAL | | | | 44882.91 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 6290.13 | |
| | TOTAL | | | | 51173.04 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 7658.96 | |
| | Cost of 10 nos | | | | 58832.01 | |
| | Cost of each | | | | 5883.20 | |
| | **Add 1% labour cess** | | | | 58.83 | |
| | **Rate** | **each** | | | **5942.00** | |
| **18.59.3** | **100 mm dia.** | | | | | |
| | Details of cost for. 10 nos. double acting air valves. | | | | | |
| | MATERIAL: | | | | | |
| 7417 | Double acting air valve 100 mm | each | 10.00 | 5770.49 | 57704.85 | |
| 9999 | Carriage of air valves | L.S. | 26.00 | 1.80 | 46.80 | |
| 9999 | Labour for laying of double acting air valve | L.S. | 52.00 | 1.80 | 93.60 | |
| | Providing flanged joints to double acting air valves with bolts, nuts and rubber insertions etc | | | | | |
| 18.30.2 | Rate as per Item Number 18.30.2 of SH: Water supply | each | 10.00 | 186.95 | 1869.54 | A |
| | TOTAL | | | | 59714.79 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 578.45 | |
| | TOTAL | | | | 60293.25 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 8208.53 | |
| | TOTAL | | | | 68501.78 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 9994.84 | |
| | Cost of 10 nos | | | | 78496.61 | |
| | Cost of each | | | | 7849.66 | |
| | **Add 1% labour cess** | | | | 78.50 | |
| | **Rate** | **each** | | | **7928.20** | |
| **18.60** | **Providing and fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately).** | | | | | |
| **18.60.1** | **80 mm dia nominal bore.** | | | | | |
| | Details of cost for one no. water meter. | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | MATERIAL: | | | | | |
| 7418 | Water meter (including testing charges) | each | 1 | 1982.44 | 1982.44 | |
| | 80 mm | | | | | |
| 9999 | Testing charges | L.S. | 130 | 1.8 | 234.00 | |
| 9999 | Carriage of water meter | L.S. | 26 | 1.8 | 46.80 | |
| 9999 | Labour for laying water meter | L.S. | 39 | 1.8 | 70.20 | |
| | Providing flanged joints to double acting air valves with bolts, nuts and rubber insertions etc | | | | | |
| 18.30.1 | Rate as per Item Number 18.30.1 of SH: Water supply | each | 2 | 113.3 | 226.57 | A |
| | TOTAL | | | | 2560.01 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 23.33 | |
| | TOTAL | | | | 2583.35 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 331.13 | |
| | TOTAL | | | | 2914.47 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 403.19 | |
| | Cost of each | | | | 3317.66 | |
| | **Add 1% labour cess** | | | | 33.18 | |
| | **Rate** | **each** | | | **3350.80** | |
| **18.60.2** | **100 mm dia nominal bore.** | | | | | |
| | Details of cost for one no. water meter. | | | | | |
| | MATERIAL: | | | | | |
| 7419 | Water meter (including testing charges) | each | 1 | 3071.39 | 3071.39 | |
| | 100 mm | | | | 0.00 | |
| 9999 | Testing charges | L.S. | 130 | 1.8 | 234.00 | |
| 9999 | Carriage of water meter | L.S. | 26 | 1.8 | 46.80 | |
| 9999 | Labour for laying water meter | L.S. | 52 | 1.8 | 93.60 | |
| | Providing flanged joints to double acting air valves with bolts, nuts and rubber insertions etc | | | | | |
| 18.30.2 | Rate as per Item Number 18.30.2 of SH: Water supply | each | 2 | 187.0 | 373.91 | A |
| | TOTAL | | | | 3819.70 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 34.46 | |
| | TOTAL | | | | 3854.15 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 488.97 | |
| | TOTAL | | | | 4343.13 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 595.38 | |
| | Cost of each | | | | 4938.51 | |
| | **Add 1% labour cess** | | | | 49.39 | |
| | **Rate** | **each** | | | **4987.90** | |
| **18.60.3** | **150 mm dia nominal bore.** | | | | | |
| | Details of cost for one no. water meter. | | | | | |
| | MATERIAL: | | | | | |
| 7420 | Water meter (including testing charges) | each | 1 | 4653.62 | 4653.62 | |
| | 150 mm | | | | 0.00 | |
| 9999 | Testing charges | L.S. | 156 | 1.8 | 280.80 | |
| 9999 | Carriage of water meter | L.S. | 39 | 1.8 | 70.20 | |
| 9999 | Labour for laying water meter | L.S. | 65 | 1.8 | 117.00 | |
| | Providing flanged joints to double acting air | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | valves with bolts, nuts and rubber insertions etc | | | | | |
| 18.30.4 | Rate as per Item Number 18.30.4 of SH: Water supply | each | 2 | 236.6 | 473.13 | A |
| | TOTAL | | | | 5594.74 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 51.22 | |
| | TOTAL | | | | 5645.96 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 726.78 | |
| | TOTAL | | | | 6372.74 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 884.94 | |
| | Cost of each | | | | 7257.69 | |
| | **Add 1% labour cess** | | | | 72.58 | |
| | **Rate** | **each** | | | **7330.30** | |
| **18.60.4** | **200 mm dia nominal bore.** | | | | | |
| | Details of cost for one no. water meter. | | | | | |
| | MATERIAL: | | | | | |
| 7421 | Water meter (including testing charges) 200 mm | each | 1 | 5025.91 | 5025.91 | |
| 9999 | Testing charges | L.S. | 156 | 1.8 | 280.80 | |
| 9999 | Carriage of water meter | L.S. | 52 | 1.8 | 93.60 | |
| 9999 | Labour for laying water meter | L.S. | 104 | 1.8 | 187.20 | |
| | Providing flanged joints to double acting air valves with bolts, nuts and rubber insertions etc | | | | | |
| 18.30.5 | Rate as per Item Number 18.30.5 of SH: Water supply | each | 2 | 262.5 | 524.91 | A |
| | TOTAL | | | | 6112.42 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 55.88 | |
| | TOTAL | | | | 6168.29 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 792.90 | |
| | TOTAL | | | | 6961.19 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 965.44 | |
| | Cost of each | | | | 7926.63 | |
| | **Add 1% labour cess** | | | | 79.27 | |
| | **Rate** | **each** | | | **8005.90** | |
| **18.61** | Providing and fixing C.I. dirt box strainer for bulk type water meter with nuts, bolts, rubber insertions etc. complete conforming to IS: 2373. | | | | | |
| **18.61.1** | **80 mm dia.** | | | | | |
| | Details of cost for one no. dirt box strainer. | | | | | |
| | MATERIAL: | | | | | |
| 7422 | Dirt box strainer 80 mm | each | 1 | 2615.33 | 2615.33 | |
| 9999 | Carriage of dirt box strainer | L.S. | 26 | 1.8 | 46.80 | |
| 9999 | Labour for laying dirt box stainer | L.S. | 39 | 1.8 | 70.20 | |
| | Providing flanged joints to double acting air valves with bolts, nuts and rubber insertions etc | | | | | |
| 18.30.1 | Rate as per Item Number 18.30.1 of SH: Water supply | each | 2 | 113.3 | 226.57 | A |
| | TOTAL | | | | 2958.91 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 27.32 | |
| | TOTAL | | | | 2986.23 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 387.73 | |
| | TOTAL | | | | 3373.96 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 472.11 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost of each | | | | 3846.07 | |
| | **Add 1% labour cess** | | | | 38.46 | |
| | **Rate** | **each** | | | **3884.50** | |
| **18.61.2** | **100 mm dia.** | | | | | |
| | Details of cost for one no. dirt box strainer. | | | | | |
| | MATERIAL: | | | | | |
| 7423 | Dirt box strainer 100 mm | each | 1 | 4262.71 | 4262.71 | |
| 9999 | Carriage of dirt box strainer | L.S. | 26 | 1.8 | 46.80 | |
| 9999 | Labour for laying dirt box stainer | L.S. | 52 | 1.8 | 93.60 | |
| | Providing flanged joints to double acting air valves with bolts, nuts and rubber insertions etc | | | | | |
| 18.30.2 | Rate as per Item Number 18.30.2 of SH: Water supply | each | 2 | 187.0 | 373.91 | A |
| | TOTAL | | | | 4777.02 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 44.03 | |
| | TOTAL | | | | 4821.05 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 624.82 | |
| | TOTAL | | | | 5445.88 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 760.80 | |
| | Cost of each | | | | 6206.67 | |
| | **Add 1% labour cess** | | | | 62.07 | |
| | **Rate** | **each** | | | **6268.70** | |
| **18.61.3** | **150 mm dia.** | | | | | |
| | Details of cost for one no. dirt box strainer. | | | | | |
| | MATERIAL: | | | | | |
| 7424 | Dirt box strainer 150 mm | each | 1 | 5407.50 | 5407.50 | |
| 9999 | Carriage of dirt box strainer | L.S. | 39 | 1.8 | 70.20 | |
| 9999 | Labour for laying dirt box stainer | L.S. | 65 | 1.8 | 117.00 | |
| | Providing flanged joints to double acting air valves with bolts, nuts and rubber insertions etc | | | | | |
| 18.30.4 | Rate as per Item Number 18.30.4 of SH: Water supply | each | 2 | 236.6 | 473.13 | A |
| | TOTAL | | | | 6067.83 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 55.95 | |
| | TOTAL | | | | 6123.78 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 793.92 | |
| | TOTAL | | | | 6917.69 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 966.68 | |
| | Cost of each | | | | 7884.38 | |
| | **Add 1% labour cess** | | | | 78.84 | |
| | **Rate** | **each** | | | **7963.20** | |
| **18.61.4** | **200 mm dia.** | | | | | |
| | Details of cost for one no. dirt box strainer. | | | | | |
| | MATERIAL: | | | | | |
| 7425 | Dirt box strainer 200 mm | each | 1 | 7678.47 | 7678.47 | |
| 9999 | Carriage of dirt box strainer | L.S. | 52 | 1.8 | 93.60 | |
| 9999 | Labour for laying dirt box stainer | L.S. | 104 | 1.8 | 187.20 | |
| | Providing flanged joints to double acting air | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | valves with bolts, nuts and rubber insertions etc | | | | |
| 18.30.5 | Rate as per Item Number 18.30.5 of SH: Water supply | each | 2 | 262.5 | 524.91 A |
| | TOTAL | | | | 8484.18 |
| | Add Water Charges @ 1% except on A i.e on | | | | 79.59 |
| | TOTAL | | | | 8563.77 (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 1129.46 |
| | TOTAL | | | | 9693.23 (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 1375.25 |
| | Cost of each | | | | 11068.48 |
| | **Add 1% labour cess** | | | | 110.68 |
| | **Rate** | **each** | | | **11179.20** |
| **18.62** | **Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P. / H.P.H.D. plastic ball.** | | | | |
| **18.62.1** | **15 mm nominal bore, 105 mm long, weighing not less than 138 gms.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7495 | PTMT Ball Cock 15mm complete with Epoxy Coated Aluminium Rod & H.D. Ball | each | 1 | 97.73 | 97.73 |
| 9999 | Carriage of materials and fixing charges | L.S. | 21.58 | 1.8 | 38.84 |
| | TOTAL | | | | 136.57 |
| | Add Water Charges @ 1% | | | | 1.37 |
| | TOTAL | | | | 137.94 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 19.38 |
| | TOTAL | | | | 157.32 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 23.60 |
| | Cost of each | | | | 180.91 |
| | **Add 1% labour cess** | | | | 1.81 |
| | **Rate** | **each** | | | **182.70** |
| **18.62.2** | **20 mm nominal bore, 120 mm long, weighing not less than 198 gms.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7496 | PTMT Ball Cock 20mm complete with Epoxy Coated Aluminium Rod & H.D. Ball | each | 1.00 | 130.30 | 130.30 |
| 9999 | Carriage of materials and fixing charges | L.S. | 26.91 | 1.80 | 48.44 |
| | TOTAL | | | | 178.74 |
| | Add Water Charges @ 1% | | | | 1.79 |
| | TOTAL | | | | 180.53 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 25.36 |
| | TOTAL | | | | 205.89 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 30.88 |
| | Cost of each | | | | 236.77 |
| | **Add 1% labour cess** | | | | 2.37 |
| | **Rate** | **each** | | | **239.10** |
| **18.62.3** | **25 mm nominal bore, 152 mm long, weighing not less than 440 gms.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 7497 | PTMT Ball Cock 25mm complete with Epoxy Coated Aluminium Rod & H.D. Ball | each | 1 | 279.22 | 279.22 |
| 9999 | Carriage of materials and fixing charges | L.S. | 32.24 | 1.8 | 58.03 |
| | TOTAL | | | | 337.25 |
| | Add Water Charges @ 1% | | | | 3.37 |
| | TOTAL | | | | 340.62 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 47.86 |
| | TOTAL | | | | 388.48 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 58.27 |
| | Cost of each | | | | 446.75 |
| | **Add 1% labour cess** | | | | 4.47 |
| | **Rate** | **each** | | | **451.20** |
| **18.62.4** | **40 mm nominal bore, 206 mm long, weighing not less than 690 gms.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7498 | PTMT Ball Cock 40mm complete with Epoxy Coated Aluminium Rod & H.D. Ball | each | 1 | 466.29 | 466.29 |
| 9999 | Carriage of materials and fixing charges | L.S. | 32.24 | 1.8 | 58.03 |
| | TOTAL | | | | 524.32 |
| | Add Water Charges @ 1% | | | | 5.24 |
| | TOTAL | | | | 529.57 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 74.40 |
| | TOTAL | | | | 603.97 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 90.60 |
| | Cost of each | | | | 694.57 |
| | **Add 1% labour cess** | | | | 6.95 |
| | **Rate** | **each** | | | **701.50** |
| **18.62.5** | **50 mm nominal bore, 242 mm long, weighing not less than 1240 gms** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7499 | PTMT Ball Cock 50mm complete with Epoxy Coated Aluminium Rod & H.D. Ball | each | 1 | 849.75 | 849.75 |
| 9999 | Carriage of materials and fixing charges | L.S. | 32.24 | 1.8 | 58.03 |
| | TOTAL | | | | 907.78 |
| | Add Water Charges @ 1% | | | | 9.08 |
| | TOTAL | | | | 916.86 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 128.82 |
| | TOTAL | | | | 1045.68 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 156.85 |
| | Cost of each | | | | 1202.53 |
| | **Add 1% labour cess** | | | | 12.03 |
| | **Rate** | **each** | | | **1214.60** |
| **18.63** | **Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 gms.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7500 | PTMT Angle Stop cock with Flange 15 mm | each | 1 | 94.93 | 94.93 |
| 9999 | Carriage of materials and fixing charges | L.S. | 8.06 | 1.8 | 14.51 |
| | TOTAL | | | | 109.44 |
| | Add Water Charges @ 1% | | | | 1.09 |
| | TOTAL | | | | 110.54 (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 15.53 |
| | TOTAL | | | | 126.07 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 18.91 |
| | Cost of each | | | | 144.98 |
| | **Add 1% labour cess** | | | | 1.45 |
| | **Rate** | **each** | | | **146.40** |
| **18.64** | **Providing and fixing PTMT swivelling shower, 15 mm nominal bore, weighing not less than 40 gms.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7501 | PTMT Swiveling shower 15 mm | each | 1 | 69.80 | 69.80 |
| 9999 | Carriage of materials and fixing charges | L.S. | 6.76 | 1.8 | 12.17 |
| | TOTAL | | | | 81.97 |
| | Add Water Charges @ 1% | | | | 0.82 |
| | TOTAL | | | | 82.79 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 11.63 |
| | TOTAL | | | | 94.42 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 14.16 |
| | Cost of each | | | | 108.59 |
| | **Add 1% labour cess** | | | | 1.09 |
| | **Rate** | **each** | | | **109.70** |
| **18.65** | **Providing and fixing PTMT Soap Dish Holder having length of 138 mm, breadth 102 mm, height of 75 mm with concealed fitting arrangements, weighing not less than 106 gms.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7509 | PTMT Soap Dish/Holder 138x102x75 mm | each | 1 | 79.11 | 79.11 |
| 9999 | Carriage of materials and fixing charges | L.S. | 6.76 | 1.8 | 12.17 |
| | TOTAL | | | | 91.28 |
| | Add Water Charges @ 1% | | | | 0.91 |
| | TOTAL | | | | 92.19 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 12.95 |
| | TOTAL | | | | 105.15 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 15.77 |
| | Cost of each | | | | 120.92 |
| | **Add 1% labour cess** | | | | 1.21 |
| | **Rate** | **each** | | | **122.10** |
| **18.66** | **Providing and laying S&S. C.I. Standard specials such as tees, bends, collars tapers and caps etc, suitable for flanged jointing as per IS : 1538.** | | | | |
| **18.66.1** | **Upto 300 mm dia.** | | | | |
| | Details of cost for 1 quintal. | | | | |
| | MATERIAL: | | | | |
| 7708 | S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing up to 300 mm dia | quintal | 1.00 | 5072.44 | 5072.44 |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.10 | 96.07 | 9.61 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Labour for laying | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 1.00 | 313.12 | 313.12 | A |
| | TOTAL | | | | 5395.17 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 50.82 | |
| | TOTAL | | | | 5445.99 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 721.17 | |
| | TOTAL | | | | 6167.16 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 878.11 | |
| | Cost of 1 quintal | | | | 7045.27 | |
| | **Add 1% labour cess** | | | | 70.45 | |
| | **Rate** | **per quintal** | | | **7115.70** | |
| **18.66.2** | **Above 300 mm dia.** | | | | | |
| | Details of cost for 1 quintal. | | | | | |
| | MATERIAL: | | | | | |
| 7709 | S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing over 300 mm dia | quintal | 1.00 | 6059.01 | 6059.01 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.10 | 96.07 | 9.61 | |
| | Labour for laying | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 1.00 | 313.12 | 313.12 | A |
| | TOTAL | | | | 6381.74 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 60.69 | |
| | TOTAL | | | | 6442.43 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 861.17 | |
| | TOTAL | | | | 7303.59 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 1048.57 | |
| | Cost of 1 quintal | | | | 8352.16 | |
| | **Add 1% labour cess** | | | | 83.52 | |
| | **Rate** | **each** | | | **8435.70** | |
| **18.67** | **Providing and laying S&S C.I. Standard specials suitable for mechanical jointing as per IS : 13382.** | | | | | |
| **18.67.1** | **Upto 300 mm dia .** | | | | | |
| | Details of cost for 1 quintal. | | | | | |
| | MATERIAL: | | | | | |
| 7710 | S&S Centrifugally (Spun) C.I. Pipe specials suitable for mechanical joint as per I.S. 13382 up to 300 mm dia | quintal | 1 | 8376.51 | 8376.51 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.1 | 96.07 | 9.61 | |
| | Labour for laying | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 1 | 313.12 | 313.12 | A |
| | TOTAL | | | | 8699.24 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 83.86 | |
| | TOTAL | | | | 8783.10 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 1190.03 | |
| | TOTAL | | | | 9973.13 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 1449.00 | |
| | Cost of 1 quintal | | | | 11422.14 | |
| | **Add 1% labour cess** | | | | 114.22 | |
| | **Rate** | **Per quintal** | | | **11536.40** | |
| **18.67.2** | **Above 300 mm dia.** | | | | | |
| | Details of cost for 1 quintal. | | | | | |
| | MATERIAL: | | | | | |
| 7711 | S&S Centrifugally (Spun) C.I. Pipe Specials suitable for mechanical joint as per I.S. 13382 over 300 mm dia | quintal | 1 | 8841.87 | 8841.87 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.1 | 96.07 | 9.61 | |
| | Labour for laying | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 1 | 313.12 | 313.12 | A |
| | TOTAL | | | | 9164.60 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 88.51 | |
| | TOTAL | | | | 9253.12 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 1256.07 | |
| | TOTAL | | | | 10509.19 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 1529.41 | |
| | Cost of 1 quintal | | | | 12038.60 | |
| | **Add 1% labour cess** | | | | 120.39 | |
| | **Rate** | **Per quintal** | | | **12159.00** | |
| **18.68** | **Providing and laying D.I. specials of class K-12 suitable for push-on jointing as per IS : 9523.** | | | | | |
| **18.68.1** | **Upto 600 mm dia.** | | | | | |
| | Details of cost for 1 quintal. | | | | | |
| | MATERIAL: | | | | | |
| 7682 | Ductile Iron K - 12 specials suitable for push on jointing up to 600 mm dia | quintal | 1 | 12099.40 | 12099.40 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.1 | 96.07 | 9.61 | |
| | Labour for laying | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 1 | 313.12 | 313.12 | A |
| | TOTAL | | | | 12422.13 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 121.09 | |
| | TOTAL | | | | 12543.22 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 1718.33 | |
| | TOTAL | | | | 14261.55 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 2092.26 | |
| | Cost of 1 quintal | | | | 16353.82 | |
| | **Add 1% labour cess** | | | | 163.54 | |
| | **Rate** | **each** | | | **16517.40** | |
| **18.68.2** | **Above 600 mm dia.** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Details of cost for 1 quintal. | | | | | |
| | MATERIAL: | | | | | |
| 7683 | Ductile Iron K - 12 specials suitable for push on jointing over 600 mm dia | quintal | 1 | 16753.02 | 16753.02 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.1 | 96.07 | 9.61 | |
| | Labour for laying | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 1 | 313.12 | 313.12 | A |
| | TOTAL | | | | 17075.75 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 167.63 | |
| | TOTAL | | | | 17243.38 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 2378.70 | |
| | TOTAL | | | | 19622.08 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 2896.34 | |
| | Cost of 1 quintal | | | | 22518.42 | |
| | **Add 1% labour cess** | | | | 225.18 | |
| | **Rate** | **each** | | | **22743.60** | |
| **18.69** | **Providing and laying D.I. Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523.** | | | | | |
| **18.69.1** | **Upto 600 mm dia.** | | | | | |
| | Details of cost for 1 quintal. | | | | | |
| | MATERIAL: | | | | | |
| 7684 | Ductile Iron specials suitable for mechanical jointing as per I.S. 9523 - up to 600 mm dia | quintal | 1 | 12750.91 | 12750.91 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.1 | 96.07 | 9.61 | |
| | Labour for laying | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 1 | 313.12 | 313.12 | A |
| | TOTAL | | | | 13073.64 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 127.61 | |
| | TOTAL | | | | 13201.25 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 1810.78 | |
| | TOTAL | | | | 15012.03 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 2204.84 | |
| | Cost of 1 quintal | | | | 17216.86 | |
| | **Add 1% labour cess** | | | | 172.17 | |
| | **Rate** | **each** | | | **17389.00** | |
| **18.69.2** | **Above 600 mm dia.** | | | | | |
| | Details of cost for 1 quintal. | | | | | |
| | MATERIAL: | | | | | |
| 7685 | Ductile Iron Specials suitable for mechanical jointing as per I.S. 9523 over 600 mm dia | quintal | 1 | 18288.71 | 18288.71 | |
| 2309 | Carriage of Cast Iron fittings | tonne | 0.1 | 96.07 | 9.61 | |
| | Labour for laying | | | | | |
| 18.24 | Rate as per Item Number 18.24 of SH: Water supply | quintal | 1 | 313.12 | 313.12 | A |
| | TOTAL | | | | 18611.45 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 182.98 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 18794.43 (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 2596.62 |
| | TOTAL | | | | 21391.05 (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 3161.69 |
| | Cost of 1 quintal | | | | 24552.74 |
| | **Add 1% labour cess** | | | | 245.53 |
| | **Rate** | **each** | | | **24798.30** |
| **18.70** | **Providing push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket.** | | | | |
| **18.70.1** | **100 mm dia pipes.** | | | | |
| | Details of cost for 50 joints. | | | | |
| | MATERIAL: | | | | |
| 7666 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 100 mm dia | each | 50 | 27.92 | 1396.09 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 1 | 348.00 | 348.00 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1 | 305.00 | 305.00 |
| 114 | Beldar | day | 1 | 254.00 | 254.00 |
| | TOTAL | | | | 2303.09 |
| | Add Water Charges @ 1% | | | | 23.03 |
| | TOTAL | | | | 2326.12 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 326.82 |
| | TOTAL | | | | 2652.94 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 397.94 |
| | Cost of 50 joint | | | | 3050.88 |
| | Cost of 1 joint | | | | 61.02 |
| | **Add 1% labour cess** | | | | 0.61 |
| | **Rate** | **per joint** | | | **61.60** |
| **18.70.2** | **150 mm dia pipes.** | | | | |
| | Details of cost for 50 joints. | | | | |
| | MATERIAL: | | | | |
| 7668 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 150 mm dia | each | 50 | 35.37 | 1768.37 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 1.5 | 348.00 | 522.00 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1.5 | 305.00 | 457.50 |
| 114 | Beldar | day | 3 | 254.00 | 762.00 |
| | TOTAL | | | | 3509.87 |
| | Add Water Charges @ 1% | | | | 35.10 |
| | TOTAL | | | | 3544.97 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 498.07 |
| | TOTAL | | | | 4043.04 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 606.46 |
| | Cost of 50 joint | | | | 4649.50 |
| | Cost of 1 joint | | | | 92.99 |
| | **Add 1% labour cess** | | | | 0.93 |
| | **Rate** | **per joint** | | | **93.90** |
| **18.70.3** | **200 mm dia pipes.** | | | | |
| | Details of cost for 50 joints. | | | | |
| | MATERIAL: | | | | |
| 7669 | Rubber Gaskets Conforming to 1.S 5382 of S.B.R quality 200 mm dia | each | 50 | 61.43 | 3071.39 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 2 | 348.00 | 696.00 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 2 | 305.00 | 610.00 | |
| 114 | Beldar | day | 4 | 254.00 | 1016.00 | |
| | TOTAL | | | | 5393.39 | |
| | Add Water Charges @ 1% | | | | 53.93 | |
| | TOTAL | | | | 5447.32 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 765.35 | |
| | TOTAL | | | | 6212.67 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 931.90 | |
| | Cost of 50 joint | | | | 7144.57 | |
| | Cost of 1 joint | | | | 142.89 | |
| | **Add 1% labour cess** | | | | 1.43 | |
| | **Rate** | **per joint** | | | **144.30** | |
| **18.70.4** | **250 mm dia pipes.** | | | | | |
| | Details of cost for 50 joints. | | | | | |
| | MATERIAL: | | | | | |
| 7670 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 250 mm dia | each | 50 | 72.60 | 3629.82 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 2.5 | 348.00 | 870.00 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 2.5 | 305.00 | 762.50 | |
| 114 | Beldar | day | 5 | 254.00 | 1270.00 | |
| | TOTAL | | | | 6532.32 | |
| | Add Water Charges @ 1% | | | | 65.32 | |
| | TOTAL | | | | 6597.64 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 926.97 | |
| | TOTAL | | | | 7524.61 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1128.69 | |
| | Cost of 50 joint | | | | 8653.31 | |
| | Cost of 1 joint | | | | 173.07 | |
| | **Add 1% labour cess** | | | | 1.73 | |
| | **Rate** | **per joint** | | | **174.80** | |
| **18.70.5** | **300 mm dia pipe.** | | | | | |
| | Details of cost for 50 joints. | | | | | |
| | MATERIAL: | | | | | |
| 7671 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 300 mm dia | each | 50 | 107.03 | 5351.66 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 3 | 348.00 | 1044.00 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 3 | 305.00 | 915.00 | |
| 114 | Beldar | day | 6 | 254.00 | 1524.00 | |
| | TOTAL | | | | 8834.66 | |
| | Add Water Charges @ 1% | | | | 88.35 | |
| | TOTAL | | | | 8923.01 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 1253.68 | |
| | TOTAL | | | | 10176.69 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1526.50 | |
| | Cost of 50 joint | | | | 11703.19 | |
| | Cost of 1 joint | | | | 234.06 | |
| | **Add 1% labour cess** | | | | 2.34 | |
| | **Rate** | **per joint** | | | **236.40** | |
| **18.70.6** | **350 mm dia pipes.** | | | | | |
| | Details of cost for 50 joints. | | | | | |
| | MATERIAL: | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 7672 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 350 mm dia | each | 50 | 122.86 | 6142.77 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 3 | 348.00 | 1044.00 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 3 | 305.00 | 915.00 |
| 114 | Beldar | day | 6 | 254.00 | 1524.00 |
| | TOTAL | | | | 9625.77 |
| | Add Water Charges @ 1% | | | | 96.26 |
| | TOTAL | | | | 9722.03 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 1365.95 |
| | TOTAL | | | | 11087.98 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1663.20 |
| | Cost of 50 joint | | | | 12751.17 |
| | Cost of 1 joint | | | | 255.02 |
| | **Add 1% labour cess** | | | | 2.55 |
| | **Rate** | **per joint** | | | **257.60** |
| **18.70.7** | **400 mm dia pipes.** | | | | |
| | Details of cost for 50 joints. | | | | |
| | MATERIAL: | | | | |
| 7673 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 400 mm dia | each | 50 | 223.37 | 11168.68 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 4 | 348.00 | 1392.00 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 4 | 305.00 | 1220.00 |
| 114 | Beldar | day | 8 | 254.00 | 2032.00 |
| | TOTAL | | | | 15812.68 |
| | Add Water Charges @ 1% | | | | 158.13 |
| | TOTAL | | | | 15970.81 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 2243.90 |
| | TOTAL | | | | 18214.71 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2732.21 |
| | Cost of 50 joint | | | | 20946.91 |
| | Cost of 1 joint | | | | 418.94 |
| | **Add 1% labour cess** | | | | 4.19 |
| | **Rate** | **per joint** | | | **423.10** |
| **18.70.8** | **450 mm dia pipes.** | | | | |
| | Details of cost for 50 joints. | | | | |
| | MATERIAL: | | | | |
| 7674 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 450 mm dia | each | 50 | 260.60 | 13030.13 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 4.5 | 348.00 | 1566.00 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 4.5 | 305.00 | 1372.50 |
| 114 | Beldar | day | 9 | 254.00 | 2286.00 |
| | TOTAL | | | | 18254.63 |
| | Add Water Charges @ 1% | | | | 182.55 |
| | TOTAL | | | | 18437.17 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 2590.42 |
| | TOTAL | | | | 21027.60 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 3154.14 |
| | Cost of 50 joint | | | | 24181.74 |
| | Cost of 1 joint | | | | 483.63 |
| | **Add 1% labour cess** | | | | 4.84 |
| | **Rate** | **per joint** | | | **488.50** |
| **18.70.9** | **500 mm dia pipes.** | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Details of cost for 50 joints. | | | | |
| | MATERIAL: | | | | |
| 7675 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 500 mm dia | each | 50 | 283.87 | 14193.53 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 4.75 | 348.00 | 1653.00 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 4.75 | 305.00 | 1448.75 |
| 114 | Beldar | day | 9.5 | 254.00 | 2413.00 |
| | TOTAL | | | | 19708.28 |
| | Add Water Charges @ 1% | | | | 197.08 |
| | TOTAL | | | | 19905.36 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 2796.70 |
| | TOTAL | | | | 22702.07 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 3405.31 |
| | Cost of 50 joint | | | | 26107.38 |
| | Cost of 1 joint | | | | 522.15 |
| | **Add 1% labour cess** | | | | 5.22 |
| | **Rate** | **per joint** | | | **527.40** |
| **18.70.10** | **600 mm dia pipes.** | | | | |
| | Details of cost for 50 joints. | | | | |
| | MATERIAL: | | | | |
| 7676 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 600 mm dia | each | 50 | 353.67 | 17683.74 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 6.5 | 348.00 | 2262.00 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 6.5 | 305.00 | 1982.50 |
| 114 | Beldar | day | 13 | 254.00 | 3302.00 |
| | TOTAL | | | | 25230.24 |
| | Add Water Charges @ 1% | | | | 252.30 |
| | TOTAL | | | | 25482.55 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 3580.30 |
| | TOTAL | | | | 29062.84 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 4359.43 |
| | Cost of 50 joint | | | | 33422.27 |
| | Cost of 1 joint | | | | 668.45 |
| | **Add 1% labour cess** | | | | 6.68 |
| | **Rate** | **per joint** | | | **675.10** |
| **18.70.11** | **650 mm dia pipes.** | | | | |
| | Details of cost for 50 joints. | | | | |
| | MATERIAL: | | | | |
| 7677 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 700 mm dia | each | 50 | 535.17 | 26758.30 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 7.7 | 348.00 | 2679.60 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 7.7 | 305.00 | 2348.50 |
| 114 | Beldar | day | 15.4 | 254.00 | 3911.60 |
| | TOTAL | | | | 35698.00 |
| | Add Water Charges @ 1% | | | | 356.98 |
| | TOTAL | | | | 36054.98 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 5065.72 |
| | TOTAL | | | | 41120.70 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 6168.11 |
| | Cost of 50 joint | | | | 47288.81 |
| | Cost of 1 joint | | | | 945.78 |
| | **Add 1% labour cess** | | | | 9.46 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | **Rate** | **per joint** | | | **955.20** |
| **18.70.12** | **700 mm dia pipes.** | | | | |
| | Details of cost for 50 joints. | | | | |
| | MATERIAL: | | | | |
| 7678 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 750 mm dia | each | 50 | 642.20 | 32109.96 |
| | LABOUR | | | | |
| 116 | Fitter (grade 1) | day | 7.7 | 348.00 | 2679.60 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 7.7 | 305.00 | 2348.50 |
| 114 | Beldar | day | 15.4 | 254.00 | 3911.60 |
| | TOTAL | | | | 41049.66 |
| | Add Water Charges @ 1% | | | | 410.50 |
| | TOTAL | | | | 41460.15 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 5825.15 |
| | TOTAL | | | | 47285.31 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 7092.80 |
| | Cost of 50 joint | | | | 54378.10 |
| | Cost of 1 joint | | | | 1087.56 |
| | **Add 1% labour cess** | | | | 10.88 |
| | **Rate** | **per joint** | | | **1098.40** |
| **18.70.13** | **800 mm di a pipes.** | | | | |
| | Details of cost for 50 joints. | | | | |
| | MATERIAL: | | | | |
| 7679 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 800 mm dia | each | 50 | 707.35 | 35367.49 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 8.5 | 348.00 | 2958.00 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 8.5 | 305.00 | 2592.50 |
| 114 | Beldar | day | 17 | 254.00 | 4318.00 |
| | TOTAL | | | | 45235.99 |
| | Add Water Charges @ 1% | | | | 452.36 |
| | TOTAL | | | | 45688.35 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 6419.21 |
| | TOTAL | | | | 52107.56 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 7816.13 |
| | Cost of 50 joint | | | | 59923.70 |
| | Cost of 1 joint | | | | 1198.47 |
| | **Add 1% labour cess** | | | | 11.98 |
| | **Rate** | **per joint** | | | **1210.50** |
| **18.70.14** | **900 mm dia pipes.** | | | | |
| | Details of cost for 50 joints. | | | | |
| | MATERIAL: | | | | |
| 7680 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 900 mm dia | each | 50 | 930.72 | 46536.17 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 10 | 348.00 | 3480.00 |
| 117 | Assistant Fitter or 2nd class Fitter | day | 10 | 305.00 | 3050.00 |
| 114 | Beldar | day | 20 | 254.00 | 5080.00 |
| | TOTAL | | | | 58146.17 |
| | Add Water Charges @ 1% | | | | 581.46 |
| | TOTAL | | | | 58727.63 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 8251.23 |
| | TOTAL | | | | 66978.86 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 10046.83 |
| | Cost of 50 joint | | | | 77025.69 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost of 1 joint | | | | 1540.51 | |
| | **Add 1% labour cess** | | | | 15.41 | |
| | **Rate** | **per joint** | | | **1555.90** | |
| **18.70.15** | **1000 mm dia pipes.** | | | | | |
| | Details of cost for 50 joints. | | | | | |
| | MATERIAL: | | | | | |
| 7681 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 1000 mm dia | each | 50 | 1116 .87 | 55843.40 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 11 | 348.00 | 3828.00 | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 11 | 305.00 | 3 355.00 | |
| 114 | Beldar | day | 22 | 254.00 | 5588.00 | |
| | TOTAL | | | | 68614.40 | |
| | Add Water Charges @ 1% | | | | 686.14 | |
| | TOTAL | | | | 69300.55 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 9736.73 | |
| | TOTAL | | | | 79037.28 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 11855.59 | |
| | Cost of 50 joint | | | | 90892.87 | |
| | Cost of 1 joint | | | | 1817.86 | |
| | **Add 1% labour cess** | | | | 18.18 | |
| | **Rate** | **per joint** | | | **1836.00** | |
| **18.71** | **Providing and laying Double Flanged (screwed / welded) Centrifugally (Spun)Cast Iron, Class B (IS : 1536).** | | | | | |
| **18.71.1** | **100 mm dia C.I. Double Flanged Pipe.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 100 mm dia. cast iron pipes double flanged weight of 1m pipe = 27.00 kg | | | | | |
| | Weight of 5 m pipes 27.00x5 = 135.00 kg | | | | | |
| 7712 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 100 mm dia | metre | 5.00 | 1279.74 | 6398.72 | |
| 2319 | Carriage of Spun iron S & S pipes 100 mm dia Labour for laying | 100 metre | 5.00 | 236.24 | 11.81 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 1.35 | 123.15 | 166.25 | A |
| | TOTAL | | | | 6576.79 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 64.11 | |
| | TOTAL | | | | 6640.90 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 909.69 | |
| | TOTAL | | | | 7550.58 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 1107.65 | |
| | Cost of 5 metre | | | | 8658.23 | |
| | Cost of 1 metre | | | | 1731.65 | |
| | **Add 1% labour cess** | | | | 17.32 | |
| | **Rate** | **per metre** | | | **1749.00** | |
| **18.71.2** | **150 mm dia C.I. Double Flanged Pipe.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 150 mm dia. cast iron pipes double flanged<br>weight of 1m pipe = 44.10 kg<br>Weight of 5 m pipes 44.10x5 = 220.50 kg | | | | | |
| 7713 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 150 mm dia | metre | 5 | 2001.06 | 10005.28 | |
| 2321 | Carriage of Spun iron S & S pipes 150 mm dia Labour for laying | 100 metre | 5 | 393.73 | 19.69 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 2.21 | 123.15 | 272.16 | A |
| | TOTAL | | | | 10297.13 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 100.25 | |
| | TOTAL | | | | 10397.38 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1422.59 | |
| | TOTAL | | | | 11819.97 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 1732.17 | |
| | Cost of 5 metre | | | | 13552.14 | |
| | Cost of 1 metre | | | | 2710.43 | |
| | **Add 1% labour cess** | | | | 27.10 | |
| | **Rate** | **per metre** | | | **2737.50** | |
| **18.71.3** | **200 mm dia C.I. Double Flanged Pipe.** | | | | | |
| | Details of cost for 5 metre.<br>MATERIAL:<br>200 mm dia. cast iron pipes double flanged<br>weight of 1m pipe = 63.50 kg<br>Weight of 5 m pipes 63.50 0x5 = 317.50 kg | | | | | |
| 7714 | Screwed double flanged centrifugally cast spun) C.I. Pipe of Class B conforming to I.S. 1536, - 200 mm dia | metre | 5 | 3164.46 | 15822.30 | |
| 2322 | Carriage of Spun iron S & S pipes 200 mm dia Labour for laying | 100 metre | 5 | 640.46 | 32.02 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 3.18 | 123.15 | 391.62 | A |
| | TOTAL | | | | 16245.94 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 158.54 | |
| | TOTAL | | | | 16404.49 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 2249.81 | |
| | TOTAL | | | | 18654.29 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 2739.40 | |
| | Cost of 5 metre | | | | 21393.69 | |
| | Cost of 1 metre | | | | 4278.74 | |
| | **Add 1% labour cess** | | | | 42.79 | |
| | **Rate** | **per metre** | | | **4321.50** | |
| **18.71.4** | **250 mm dia C.I. Double Flanged Pipe.** | | | | | |
| | Details of cost for 5 metre.<br>MATERIAL:<br>250 mm dia. cast iron pipes double flanged<br>weight of 1m pipe= 85.30 kg<br>Weight of 5 m pipes 85.30 x5 = 426.50 kg | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 7715 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 250 mm dia | metre | 5 | 3815.97 | 19079.83 | |
| 2323 C | arriage of Spun iron S & S pipes 250 mm dia Labour for laying | 100 metre | 5 | 910.13 | 45.51 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 4.27 | 123.15 | 525.86 | A |
| | TOTAL | | | | 19651.19 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 191.25 | |
| | TOTAL | | | | 19842.45 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 2713.98 | |
| | TOTAL | | | | 22556.43 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 3304.59 | |
| | Cost of 5 metre | | | | 25861.01 | |
| | Cost of 1 metre | | | | 5172.20 | |
| | **Add 1% labour cess** | | | | 51.72 | |
| | **Rate** | **per metre** | | | **5223.90** | |
| **18.71.5** | **300 mm dia C.I. Double Flanged Pipe.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 300 mm dia. cast iron pipes double flanged weight of 1m pipe= 110.00 kg | | | | | |
| | Weight of 5 m pipes 110.00x5 = 550.00 kg | | | | | |
| 7716 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 300 mm dia | metre | 5 | 4876.99 | 24384.95 | |
| 2324 | Carriage of Spun iron S & S pipes 300 mm. dia 100 Labour for laying | 100metre | 5 | 1124.93 | 56.25 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 5.5 | 123.15 | 677.33 | A |
| | TOTAL | | | | 25118.53 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 244.41 | |
| | TOTAL | | | | 25362.94 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 3468.33 | |
| | TOTAL | | | | 28831.27 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 4223.09 | |
| | Cost of 5 metre | | | | 33054.36 | |
| | Cost of 1 metre | | | | 6610.87 | |
| | **Add 1% labour cess** | | | | 66.11 | |
| | **Rate** | **per metre** | | | **6677.00** | |
| **18.71.6** | **350 mm dia C.I. Double Flanged Pipe.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 350 mm dia. cast iron pipes double flanged weight of 1m pipe = 135.70 kg | | | | | |
| | Weight of 5 m pipes 135.70x5 = 678.50 kg | | | | | |
| 7717 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 350 mm dia | metre | 5 | 6142.77 | 30713.87 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 2325 | Carriage of Spun iron S & S pipes 350 mm dia Labour for laying | 100 metre | 5 | 1574.90 | 78.74 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 6.79 | 123.15 | 836.20 | A |
| | TOTAL | | | | 31628.82 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 307.93 | |
| | TOTAL | | | | 31936.74 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 4369.63 | |
| | TOTAL | | | | 36306.37 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 5320.53 | |
| | Cost of 5 metre | | | | 41626.89 | |
| | Cost of 1 metre | | | | 8325.38 | |
| | **Add 1% labour cess** | | | | 83.25 | |
| | **Rate** | **per metre** | | | **8408.60** | |
| **18.71.7** | **400 mm dia C.I. Double Flanged Pipe.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 400 mm dia. cast iron pipes double flanged | | | | | |
| | weight of 1m pipe = 166.80kg | | | | | |
| | Weight of 5 m pipes 166.80x5 = 834.00 kg | | | | | |
| 7718 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 400 mm dia | metre | 5 | 7957.69 | 39788.43 | |
| 2326 | Carriage of Spun iron S & S pipes 400 mm dia Labour for laying | 100 metre | 5 | 2147.59 | 107.38 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 8.34 | 123.15 | 1027.08 | A |
| | TOTAL | | | | 40922.89 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 398.96 | |
| | TOTAL | | | | 41321.85 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 5661.41 | |
| | TOTAL | | | | 46983.26 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 6893.43 | |
| | Cost of 5 metre | | | | 53876.69 | |
| | Cost of 1 metre | | | | 10775.34 | |
| | **Add 1% labour cess** | | | | 107.75 | |
| | **Rate** | **per metre** | | | **10883.10** | |
| **18.71.8** | **450 mm dia C.I. Double Flanged Pipe.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 450 mm dia. cast iron pipes double flanged | | | | | |
| | weight of 1m pipe= 201.600 kg | | | | | |
| | Weight of 5 m pipes 201.600x5 = 1008.00 kg | | | | | |
| 7719 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 450 mm dia | metre | 5 | 10144.89 | 50724.43 | |
| 2327 | Carriage of Spun iron S & S pipes 450 mm dia Labour for laying | 100 metre | 5 | 2624.84 | 131.24 | |
| 18.23 | Rate as per Item Number 18.23 of | quintal | 10.08 | 123.15 | 1241.37 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | SH: Water supply | | | | | |
| | TOTAL | | | | 52097.03 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 508.56 | |
| | TOTAL | | | | 52605.59 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 7216.67 | |
| | TOTAL | | | | 59822.26 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 8787.13 | |
| | Cost of 5 metre | | | | 68609.40 | |
| | Cost of 1 metre | | | | 13721.88 | |
| | **Add 1% labour cess** | | | | 137.22 | |
| | **Rate** | **per metre** | | | **13859.10** | |
| **18.71.9** | **500 mm dia C.I. Double Flanged Pipe.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 500 mm dia. cast iron pipes double flanged weight of 1m pipe= 234.80 kg | | | | | |
| | Weight of 5 m pipes 234.80x5 = 1174.00 kg | | | | | |
| 7720 | Screwed double flanged centrifugally cast (spun) C./. Pipe of Class B conforming to I.S. 1536, - 500 mm dia | metre | 5 | 12620.61 | 63103.05 | |
| 2328 | Carriage of Spun iron S & S pipes 500 mm dia Labour for laying | 100 metre | 5 | 2624.84 | 131.24 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 11.74 | 123.15 | 1445.80 | A |
| | TOTAL | | | | 64680.09 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 632.34 | |
| | TOTAL | | | | 65312.43 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 8973.26 | |
| | TOTAL | | | | 74285.69 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 10925.98 | |
| | Cost of 5 metre | | | | 85211.67 | |
| | Cost of 1 metre | | | | 17042.33 | |
| | **Add 1% labour cess** | | | | 170.42 | |
| | **Rate** | **per metre** | | | **17212.80** | |
| **18.71.10** | **600 mm dia C.I. Double Flanged Pipe.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 600 mm dia. cast iron pipes double flanged weight of 1m pipe= 315.30kg | | | | | |
| | Weight of 5 m pipes 315.30x5 = 1576.50 kg | | | | | |
| 7721 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 600 mm dia | metre | 5 | 17497.60 | 87488.00 | |
| 2329 | Carriage of Spun iron S & S pipes 600mm dia Labour for laying | 100 metre | 5 | 3937.25 | 196.86 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 15.77 | 123.15 | 1942.10 | A |
| | TOTAL | | | | 89626.96 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 876.85 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 90503.81 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 12442.92 | |
| | TOTAL | | | | 102946.73 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 15150.69 | |
| | Cost of 5 metre | | | | 118097.42 | |
| | Cost of 1 metre | | | | 23619.48 | |
| | **Add 1% labour cess** | | | | 236.19 | |
| | **Rate** | **per metre** | | | **23855.70** | |
| **18.72** | **Providing and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329.** | | | | | |
| **18.72.1** | **100 mm dia Ductile Iron Class K-7 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 100mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe= 15.39 kg | | | | | |
| | Weight of 10m pipes 15.39x10= 153.90 kg | | | | | |
| 7722 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 100 mm dia | metre | 10 | 721.31 | 7213.11 | |
| 2343 | Carriage of Ductile Iron pipes (k7) 100 mm dia Labour for laying | 100 metre | 10 | 236.24 | 23.62 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 1.54 | 123.15 | 189.65 | A |
| | TOTAL | | | | 7426.38 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 72.37 | |
| | TOTAL | | | | 7498.75 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1026.93 | |
| | TOTAL | | | | 8525.68 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 1250.40 | |
| | Cost of 10 metre | | | | 9776.08 | |
| | Cost of 1 metre | | | | 977.61 | |
| | **Add 1% labour cess** | | | | 9.78 | |
| | **Rate** | **per metre** | | | **987.40** | |
| **18.72.2** | **150 mm dia Ductile Iron Class K-7 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 150 mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe= 22.750kg | | | | | |
| | Weight of 10m pipes 22.750x 10 = 227.50 kg | | | | | |
| 7723 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 150 mm dia | metre | 10 | 1042.41 | 10424.10 | |
| 2344 | Carriage of Cast iron pipes 150 mm dia Labour for laying | 100 metre | 10 | 393.73 | 39.37 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 2.28 | 123.15 | 280.79 | A |
| | TOTAL | | | | 10744.26 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 104.63 | |
| | TOTAL | | | | 10848.89 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1484.82 | |
| | TOTAL | | | | 12333.71 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 1807.94 | |
| | Cost of 10 metre | | | | 14141.65 | |
| | Cost of 1 metre | | | | 1414.17 | |
| | **Add 1% labour cess** | | | | 14.14 | |
| | **Rate** | **per metre** | | | **1428.30** | |
| **18.72.3** | **200 mm dia Ductile Iron Class K-7 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 200 mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe= 30.090 kg | | | | | |
| | Weight of 10m pipes 30.090x10 = 300.90 kg | | | | | |
| 7724 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 200 mm dia | metre | 10 | 1442.62 | 14426.21 | |
| 2345 | Carriage of Cast iron ptpes 200 mm dia | 100 metre | 10 | 640.46 | 64.05 | |
| | Labour for laying | | | | | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 3.01 | 123.15 | 370.69 | A |
| | TOTAL | | | | 14860.94 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 144.90 | |
| | TOTAL | | | | 15005.85 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 2056.24 | |
| | TOTAL | | | | 17062.09 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 2503.71 | |
| | Cost of 10 metre | | | | 19565.80 | |
| | Cost of 1 metre | | | | 1956.58 | |
| | **Add 1% labour cess** | | | | 19.57 | |
| | **Rate** | **per metre** | | | **1976.10** | |
| **18.72.4** | **250 mm dia Ductile Iron Class K-7 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 250mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe= 39.310kg | | | | | |
| | Weight of 10m pipes 39.310x10 = 393.10 kg | | | | | |
| 7725 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 250 mm dia | metre | 10 | 1954.52 | 19545.19 | |
| | Carriage of Cast iron pipes 250 mm dia | | | | | |
| 2346 | Labour for laying | 100 metre | 10 | 910.13 | 91.01 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 3.93 | 123.15 | 483.98 | A |
| | TOTAL | | | | 20120.19 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 196.36 | |
| | TOTAL | | | | 20316.55 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 2786.48 | |
| | TOTAL | | | | 23103.03 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 3392.86 | |
| | Cost of 10 metre | | | | 26495.88 | |
| | Cost of 1 metre | | | | 2649.59 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | **Add 1% labour cess** | | | | 26.50 | |
| | **Rate** | **per metre** | | | **2676.10** | |
| **18.72.5** | **300 mm dia Ductile Iron Class K-7 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 300mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe =48.400kg | | | | | |
| | Weight of 10m pipes 48.400x10 = 484.00 kg | | | | | |
| 7726 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 300 mm dia | metre | 10 | 2579.03 | 25790.35 | |
| 2347 | Carriage of Cast iron pipes 300 mm dia | 100 metre | 10 | 1124.93 | 112.49 | |
| | Labour for laying | | | | | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 4.84 | 123.15 | 596.05 | A |
| | TOTAL | | | | 26498.89 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 259.03 | |
| | TOTAL | | | | 26757.92 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 3675.74 | |
| | TOTAL | | | | 30433.66 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 4475.64 | |
| | Cost of 10 metre | | | | 34909.30 | |
| | Cost of 1 metre | | | | 3490.93 | |
| | **Add 1% labour cess** | | | | 34.91 | |
| | **Rate** | **per metre** | | | **3525.80** | |
| **18.72.6** | **350 mm dia Ductile Iron Class K-7 pipes.** | | | | | |
| | Details of cost for 10 metre | | | | | |
| | MATERIAL: | | | | | |
| | 350mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe= 66.020kg | | | | | |
| | Weight of 10m pipes 66.020x10 = 660.20 kg | | | | | |
| 7727 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 350 mm dia | metre | 10 | 3121.65 | 31216.46 | |
| | Carriage of Cast iron pipes 350 mm dia | | | | | |
| 2348 | Labour for laying | 100 metre | 10 | 1574.90 | 157.49 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 6.6 | 123.15 | 812.80 | A |
| | TOTAL | | | | 32186.75 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 313.74 | |
| | TOTAL | | | | 32500.49 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 4452.12 | |
| | TOTAL | | | | 36952.61 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 5420.97 | |
| | Cost of 10 metre | | | | 42373.58 | |
| | Cost of 1 metre | | | | 4237.36 | |
| | **Add 1% labour cess** | | | | 42.37 | |
| | **Rate** | **per metre** | | | **4279.70** | |
| **18.72.7** | **400 mm dia Ductile Iron Class K-7 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 400mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 10m pipes 78.280x10 = 782.80 kg | | | | | |
| 7728 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 400 mm dia | metre | 10 | 3736.85 | 37368.54 | |
| 2349 | Carriage of Cast iron pipes 400 mm dia | 100 metre | 10 | 2147.59 | 214.76 | |
| | Labour for laying | | | | | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 7.83 | 123.15 | 964.28 | A |
| | TOTAL | | | | 38547.58 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 375.83 | |
| | TOTAL | | | | 38923.41 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 5333.26 | |
| | TOTAL | | | | 44256.67 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 6493.86 | |
| | Cost of 10 metre | | | | 50750.53 | |
| | Cost of 1 metre | | | | 5075.05 | |
| | **Add 1% labour cess** | | | | 50.75 | |
| | **Rate** | **per metre** | | | **5125.80** | |
| **18.72.8** | **450 mm dia Ductile Iron Class K-7 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 450mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe= 91.410kg | | | | | |
| | Weight of 10m pipes 91.410x10 = 914.10 kg | | | | | |
| 7729 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 450 mm dia | metre | 10 | 4515.87 | 45158.70 | |
| 2350 | Carriage of Cast iron pipes 450 mm dia | 100 metre | 10 | 2624.84 | 262.48 | |
| | Labour for laying | | | | | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 9.14 | 123.15 | 1125.60 | A |
| | TOTAL | | | | 46546.79 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 454.21 | |
| | TOTAL | | | | 47001.00 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 6445.49 | |
| | TOTAL | | | | 53446.49 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 7848.13 | |
| | Cost of 10 metre | | | | 61294.63 | |
| | Cost of 1 metre | | | | 6129.46 | |
| | **Add 1% labour cess** | | | | 61.29 | |
| | **Rate** | **per metre** | | | **6190.80** | |
| **18.72.9** | **500 mm dia Ductile Iron Class K-7 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 500mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe = 106.640 kg | | | | | |
| | Weight of 10m pipes 106.640x10 = 1066.40 kg | | | | | |
| 7730 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 500 mm dia | metre | 10 | 5337.70 | 53376.99 | |
| 2351 | Carriage of Cast iron pipes 500 mm dia | 100 metre | 10 | 2624.84 | 262.48 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Labour for laying | | | | | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 10.66 | 123.15 | 1312.79 | A |
| | TOTAL | | | | 54952.26 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 536.39 | |
| | TOTAL | | | | 55488.66 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 7611.71 | |
| | TOTAL | | | | 63100.37 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 9268.14 | |
| | Cost of 10 metre | | | | 72368.50 | |
| | Cost of 1 metre | | | | 7236.85 | |
| | **Add 1% labour cess** | | | | 72.37 | |
| | **Rate** | **per metre** | | | **7309.20** | |
| **18.72.10** | **600 mm dia Ductile Iron Class K-7 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 600mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe=138.610kg | | | | | |
| | Weight of 10m pipes 138.610x10= 1386.10 kg | | | | | |
| 7731 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 600 mm dia | metre | 10 | 6889.21 | 68892.15 | |
| 2352 | Carriage of Cast iron pipes 600 mm dia | 100 metre | 10 | 3937.25 | 393.73 | |
| | Labour for laying | | | | | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 13.86 | 123.15 | 1706.88 | A |
| | TOTAL | | | | 70992.75 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 692.86 | |
| | TOTAL | | | | 71685.61 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 9832.01 | |
| | TOTAL | | | | 81517.62 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 11971.61 | |
| | Cost of 10 metre | | | | 93489.23 | |
| | Cost of 1 metre | | | | 9348.92 | |
| | **Add 1% labour cess** | | | | 93.49 | |
| | **Rate** | **per metre** | | | **9442.40** | |
| **18.72.11** | **700 mm dia Ductile Iron Class K-7 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 700mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe=188.920 kg | | | | | |
| | Weight of 10m pipes 188.920x 10 = 1889.20 kg | | | | | |
| 7732 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 700 mm dia | metre | 10 | 8947.04 | 89470.44 | |
| 2353 | Carriage of Cast iron pipes 700 mm dia | 100 metre | 10 | 3937.25 | 393.73 | |
| | Labour for laying | | | | | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 18.89 | 123.15 | 2326.33 | A |
| | TOTAL | | | | 92190.50 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add Water Charges @ 1% except on A i.e on | | | | 898.64 | |
| | TOTAL | | | | 93089.14 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 12752.17 | |
| | TOTAL | | | | 105841.31 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 15527.25 | |
| | Cost of 10 metre | | | | 121368.56 | |
| | Cost of 1 metre | | | | 12136.86 | |
| | **Add 1% labour cess** | | | | 121.37 | |
| | **Rate** | **per metre** | | | **12258.20** | |
| **18.72.12** | **800 mm dia Ductile Iron Class K-7 pipes.** | | | | | |
| | Details of cost for 10 metre.<br>MATERIAL:<br>800mm dia. cast iron pipes (in 5.5 m lengths)<br>Weight of 1m pipe= 243.510kg<br>Weight of 10m pipes 243.510x10 = 2435.10 kg | | | | | |
| 7733 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 800 mm dia | metre | 10 | 11261.75 | 112617.53 | |
| 2355 | Carriage of Cast iron pipes 800 mm dia Labour for laying | 100 metre | 10 | 3937.25 | 393.73 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 24.35 | 123.15 | 2998.74 | A |
| | TOTAL | | | | 116009.99 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1130.11 | |
| | TOTAL | | | | 117140.11 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 16036.86 | |
| | TOTAL | | | | 133176.97 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 19526.73 | |
| | Cost of 10 metre | | | | 152703.70 | |
| | Cost of 1 metre | | | | 15270.37 | |
| | **Add 1% labour cess** | | | | 152.70 | |
| | **Rate** | **per metre** | | | **15423.10** | |
| **18.72.13** | **900 mm dia Ductile Iron Class K-7 pipes.** | | | | | |
| | Details of cost for 10 metre.<br>MATERIAL:<br>900 mm dia. cast iron pipes (in 5.5 m lengths)<br>Weight of 1m pipe= 282.74 kg<br>Weight of 10m pipes 282.74x10 = 2827.40 kg | | | | | |
| 7734 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 900 mm dia | metre | 10 | 14522.08 | 145220.77 | |
| 2356 | Carriage of Cast iron pipes 900 mm dia Labour for laying | 100 metre | 10 | 5905.88 | 590.59 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 28.27 | 123.15 | 3481.49 | A |
| | TOTAL | | | | 149292.85 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1458.11 | |
| | TOTAL | | | | 150750.96 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 20691.36 | |
| | TOTAL | | | | 171442.33 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 25194.13 | |
| | Cost of 10 metre | | | | 196636.45 | |
| | Cost of 1 metre | | | | 19663.65 | |
| | **Add 1% labour cess** | | | | 196.64 | |
| | **Rate** | **per metre** | | | **19860.30** | |
| **18.72.14** | **1000 mm dia Ductile Iron Class K-7 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 1000 mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe= 348.230kg | | | | | |
| | Weight of 10m pipes 348.230x 10 = 3482.30 kg | | | | | |
| 7735 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 1000 mm dia | metre | 10 | 15852.08 | 158520.81 | |
| 2357 | Carriage of Cast iron pipes 1000 mm dia Labour for laying | 100 metre | 10 | 7874.51 | 787.45 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 34.82 | 123.15 | 4288.13 | A |
| | TOTAL | | | | 163596.39 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1593.08 | |
| | TOTAL | | | | 165189.48 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 22606.64 | |
| | TOTAL | | | | 187796.11 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 27526.20 | |
| | Cost of 10 metre | | | | 215322.31 | |
| | Cost of 1 metre | | | | 21532.23 | |
| | **Add 1% labour cess** | | | | 215.32 | |
| | **Rate** | **per metre** | | | **21747.60** | |
| **18.72.15** | **100 mm dia Ductile Iron Class K-9 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 100mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe= 17.760kg | | | | | |
| | Weight of 10m pipes 17.760x 10=177.60 kg | | | | | |
| 7651 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 100 mm dia | metre | 10 | 744.58 | 7445.79 | |
| 2319 | Carriage of Spun iron S & S pipes 100 mm dia Labour for laying | 100 metre | 10 | 236.24 | 23.62 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 1.776 | 123.15 | 218.72 | A |
| | TOTAL | | | | 7688.13 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 74.69 | |
| | TOTAL | | | | 7762.82 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1059.95 | |
| | TOTAL | | | | 8822.77 | (Y) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 1290.61 | |
| | Cost of 10 metre | | | | 10113.38 | |
| | Cost of 1 metre | | | | 1011.34 | |
| | **Add 1% labour cess** | | | | 10.11 | |
| | **Rate** | **per metre** | | | **1021.50** | |
| **18.72.16** | **150 mm dia Ductile Iron Class K-9 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 150 mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe =26.27kg | | | | | |
| | Weight of 10m pipes 26.270x10 = 262.70 kg | | | | | |
| 7652 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 150 mm dia | metre | 10 | 1116.87 | 11168.68 | |
| 2321 | Carriage of Spun iron S & S pipes 150 mm dia Labour for laying | 100 metre | 10 | 393.73 | 39.37 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 2.627 | 123.15 | 323.52 | A |
| | TOTAL | | | | 11531.57 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 112.08 | |
| | TOTAL | | | | 11643.65 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1590.48 | |
| | TOTAL | | | | 13234.13 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 1936.59 | |
| | Cost of 10 metre | | | | 15170.72 | |
| | Cost of 1 metre | | | | 1517.07 | |
| | **Add 1% labour cess** | | | | 15.17 | |
| | **Rate** | **per metre** | | | **1532.20** | |
| **18.72.17** | **200 mm dia Ductile Iron Class K-9 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 200 mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe= 36.150kg | | | | | |
| | Weight of 10m pipes 36.150x 10 = 361.50 kg | | | | | |
| 7653 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 200 mm dia | metre | 10 | 1535.69 | 15356.94 | |
| 2322 | Carriage of Spun iron S & S pipes 200 mm dia Labour for laying | 100 metre | 10 | 640.46 | 64.05 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 3.615 | 123.15 | 445.19 | A |
| | TOTAL | | | | 15866.17 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 154.21 | |
| | TOTAL | | | | 16020.38 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 2188.31 | |
| | TOTAL | | | | 18208.70 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 2664.53 | |
| | Cost of 10 metre | | | | 20873.23 | |
| | Cost of 1 metre | | | | 2087.32 | |
| | **Add 1% labour cess** | | | | 20.87 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | **Rate** | **per metre** | | | **2108.20** | |
| **18.72.18** | **250 mm dia Ductile Iron Class K-9 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 250mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe = 48.00 kg | | | | | |
| | Weight of 10m pipes 48.000x10 = 480.00 kg | | | | | |
| 7654 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 250 mm dia | metre | 10 | 2140.66 | 21406.64 | |
| 2323 | Carriage of Spun iron S & S pipes 250 mm dia Labour for laying | 100 metre | 10 | 910.13 | 91.01 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 4.8 | 123.15 | 591.13 | A |
| | TOTAL | | | | 22088.78 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 214.98 | |
| | TOTAL | | | | 22303.75 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 3050.62 | |
| | TOTAL | | | | 25354.38 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 3714.49 | |
| | Cost of 10 metre | | | | 29068.87 | |
| | Cost of 1 metre | | | | 2906.89 | |
| | **Add 1% labour cess** | | | | 29.07 | |
| | **Rate** | **per metre** | | | **2936.00** | |
| **18.72.19** | **300 mm dia Ductile Iron Class K-9 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 300mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe= 60.490 kg | | | | | |
| | Weight of 10m pipes 60.490x10 = 604.90 kg | | | | | |
| 7655 | Ductile Iron class K - 9 pipe Conforming to 1.S. 8329 - 300 mm dia | metre | 10 | 2661.87 | 26618.69 | |
| 2324 | Carriage of Spun iron S & S pipes 300 mm. dia Labour for laying | 100 metre | 10 | 1124.93 | 112.49 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 6.049 | 123.15 | 744.94 | A |
| | TOTAL | | | | 27476.13 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 267.31 | |
| | TOTAL | | | | 27743.44 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 3793.29 | |
| | TOTAL | | | | 31536.73 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 4618.77 | |
| | Cost of 10 metre | | | | 36155.49 | |
| | Cost of 1 metre | | | | 3615.55 | |
| | **Add 1% labour cess** | | | | 36.16 | |
| | **Rate** | **per metre** | | | **3651.70** | |
| **18.72.20** | **350 mm dia Ductile Iron Class K-9 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 350mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Weight of 1m pipe = 79.730 kg | | | | | |
| | Weight of 10m pipes 79.730x10 = 797.30 kg | | | | | |
| 7656 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 350 mm dia | metre | 10 | 3266.84 | 32668.39 | |
| 2325 | Carriage of Spun iron S & S pipes 350 mm dia Labour for laying | 100 metre | 10 | 1574.90 | 157.49 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 7.973 | 123.15 | 981.89 | A |
| | TOTAL | | | | 33807.77 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 328.26 | |
| | TOTAL | | | | 34136.03 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 4658.16 | |
| | TOTAL | | | | 38794.18 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 5671.84 | |
| | Cost of 10 metre | | | | 44466.03 | |
| | Cost of 1 metre | | | | 4446.60 | |
| | **Add 1% labour cess** | | | | 44.47 | |
| | **Rate** | **per metre** | | | **4491.10** | |
| **18.72.21** | **400 mm dia Ductile Iron Class K-9 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 400mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe =94.800 kg | | | | | |
| | Weight of 10m pipes 94.800x10 = 948.00 kg | | | | | |
| 7657 | Ductile Iron class K - 9 pipe Conforming to 1.S. 8329 - 400 mm dia | metre | 10 | 4188.26 | 41882.55 | |
| 2326 | Carriage of Spun iron S & S pipes 400 mm dia Labour for laying | 100 metre | 10 | 2147.59 | 214.76 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 9.48 | 123.15 | 1167.48 | A |
| | TOTAL | | | | 43264.79 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 420.97 | |
| | TOTAL | | | | 43685.76 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 5973.82 | |
| | TOTAL | | | | 49659.58 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 7273.82 | |
| | Cost of 10 metre | | | | 56933.40 | |
| | Cost of 1 metre | | | | 5693.34 | |
| | **Add 1% labour cess** | | | | 56.93 | |
| | **Rate** | **per metre** | | | **5750.30** | |
| **18.72.22** | **450 mm dia Ductile Iron Class K-9 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 450mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe= 110.970kg | | | | | |
| | Weight of 10m pipes 110.970x 10 = 1109.70 kg | | | | | |
| 7658 | Ductile Iron class K - 9 pipe Conforming to 1.S. 8329 - 450 mm dia | metre | 10 | 4839.76 | 48397.62 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 2327 | Carriage of Spun iron S & S pipes 450 mm dia Labour for laying | 100 metre | 10 | 2624.84 | 262.48 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 11.097 | 123.15 | 1366.61 | A |
| | TOTAL | | | | 50026.71 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 486.60 | |
| | TOTAL | | | | 50513.31 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 6905.11 | |
| | TOTAL | | | | 57418.42 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 8407.77 | |
| | Cost of 10 metre | | | | 65826.20 | |
| | Cost of 1 metre | | | | 6582.62 | |
| | **Add 1% labour cess** | | | | 65.83 | |
| | **Rate** | **per metre** | | | **6648.40** | |
| **18.72.23** | **500 mm dia Ductile Iron Class K-9 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 500mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe =129.480kg | | | | | |
| | Weight of 10m pipes 129.480x10= 1294.80 kg | | | | | |
| 7659 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 500 mm dia | metre | 10 | 6124.16 | 61241.60 | |
| 2328 | Carriage of Spun iron S & S pipes 500 mm dia Labour for laying | 100 metre | 10 | 2624.84 | 262.48 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 12.948 | 123.15 | 1594.56 | A |
| | TOTAL | | | | 63098.65 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 615.04 | |
| | TOTAL | | | | 63713.69 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 8727.74 | |
| | TOTAL | | | | 72441.43 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 10627.03 | |
| | Cost of 10 metre | | | | 83068.46 | |
| | Cost of 1 metre | | | | 8306.85 | |
| | **Add 1% labour cess** | | | | 83.07 | |
| | **Rate** | **per metre** | | | **8389.90** | |
| **18.72.24** | **600 mm dia Ductile Iron Class K-9 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 600mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe= 168.680 kg | | | | | |
| | Weight of 10m pipes 168.680x10= 1686.80 kg | | | | | |
| 7660 | Ductile Iron class K -9 pipe Conforming to I.S. 8329 - 600 mm dia | metre | 10 | 7380.64 | 73806.37 | |
| 2329 | Carriage of Spun iron S & S pipes 600mm dia Labour for laying | 100 metre | 10 | 3937.25 | 393.73 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water | quintal | 16.868 | 123.15 | 2077.32 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | supply | | | | | |
| | TOTAL | | | | 76277.41 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 742.00 | |
| | TOTAL | | | | 77019.41 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 10529.36 | |
| | TOTAL | | | | 87548.77 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 12820.72 | |
| | Cost of 10 metre | | | | 100369.49 | |
| | Cost of 1 metre | | | | 10036.95 | |
| | **Add 1% labour cess** | | | | 100.37 | |
| | **Rate** | **per metre** | | | **10137.30** | |
| **18.72.25** | **700 mm dia Ductile Iron Class K-9 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 700mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe= 217.540 kg | | | | | |
| | Weight of 10m pipes 217.540x10 = 2175.40 kg | | | | | |
| 7661 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 700 mm dia | metre | 10 | 10237.96 | 102379.57 | |
| 2330 | Carriage of C.I. pipes 500 mm dia | 100 metre | 10 | 2624.84 | 262.48 | |
| | Labour for laying | | | | | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 21.754 | 123.15 | 2679.04 | A |
| | TOTAL | | | | 105321.09 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1026.42 | |
| | TOTAL | | | | 106347.51 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 14565.42 | |
| | TOTAL | | | | 120912.94 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 17735.09 | |
| | Cost of 10 metre | | | | 138648.02 | |
| | Cost of 1 metre | | | | 13864.80 | |
| | **Add 1% labour cess** | | | | 138.65 | |
| | **Rate** | **per metre** | | | **14003.50** | |
| **18.72.26** | **750 mm dia Ductile Iron Class K-9 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 750mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Wt. of 1 m pipe = 242.60 kg. | | | | | |
| | Weight of 10m pipes 242.60x10 = 2426.00 kg | | | | | |
| 7662 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 750 mm dia | metre | 10 | 12774.49<br>11075.61 | 127744.90 | |
| 2331 | Carriage of R.C.C. pipes 900 mm dia | 100 metre | 10 | 5905.88 | 590.59 | |
| | Labour for laying | | | | | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 24.26 | 123.15 | 2987.65 | A |
| | TOTAL | | | | 131323.14 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1283.35 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 132606.50 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 18211.45 | |
| | TOTAL | | | | 150817.94 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 22174.54 | |
| | Cost of 10 metre | | | | 172992.49 | |
| | Cost of 1 metre | | | | 17299.25 | |
| | **Add 1% labour cess** | | | | 172.99 | |
| | **Rate** | **per metre** | | | **17472.20** | |
| **18.72.27** | **800 mm dia Ductile Iron Class K-9 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 800 mm dia. cast iron pfpes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe= 267.100 kg | | | | | |
| | Weight of 10m pipes 267.100x10 = 2671.00 kg | | | | | |
| 7663 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 800 mm dia | metre | 10 | 11168.68 | 111686.81 | |
| 2332 | Carriage of R.C.C. pipes 1000 mm dia Labour for laying | 100 metre | 10 | 7874.51 | 787.45 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 26.71 | 123.15 | 3289.37 | |
| | TOTAL | | | | 115763.63 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1124.74 | |
| | TOTAL | | | | 116888.38 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 15960.66 | |
| | TOTAL | | | | 132849.04 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 19433.95 | |
| | Cost of 10 metre | | | | 152282.99 | |
| | Cost of 1 metre | | | | 15228.30 | |
| | **Add 1% labour cess** | | | | 152.28 | |
| | **Rate** | **per metre** | | | **15380.60** | |
| **18.72.28** | **900 mm dia Ductile Iron Class K-9 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 900 mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe =321.290 kg | | | | | |
| | Weight of 10m pipes 321.290x10 = 3212.90 kg | | | | | |
| 7664 | Ductile Iron class K - 9 pipe Conforming to 1.S. 8329 - 900 mm dia | metre | 10 | 13495.49 | 134954.89 | |
| 2333 | Carriage of R. C. C. pipes 1100 mm dia Labour for laying | 100 metre | 10 | 7874.51 | 787.45 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 32.129 | 123.15 | 3956.73 | A |
| | TOTAL | | | | 139699.08 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1357.42 | |
| | TOTAL | | | | 141056.50 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 19262.52 | |
| | TOTAL | | | | 160319.02 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 23454.34 | |
| | Cost of 10 metre | | | | 183773.36 | |
| | Cost of 1 metre | | | | 18377.34 | |
| | **Add 1% labour cess** | | | | 183.77 | |
| | **Rate** | **per metre** | | | **18561.10** | |
| **18.72.29** | **1000 mm dia Ductile Iron Class K-9 pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 1000 mm dia. cast iron pipes (in 5.5 m lengths) | | | | | |
| | Weight of 1m pipe = 380.190 kg | | | | | |
| | Weight of 10m pipes 380.190x10 = 3801.90 kg | | | | | |
| 7665 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 1000 mm dia | metre | 10 | 15170.79 | 151707.91 | |
| 2334 | Carriage of R.C.C. pipes 1200 mm dia Labour for laying | 100 metre | 10 | 7874.51 | 787.45 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 38.019 | 123.15 | 4682.09 | A |
| | TOTAL | | | | 157177.46 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1524.95 | |
| | TOTAL | | | | 158702.41 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 21639.85 | |
| | TOTAL | | | | 180342.27 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 26349.03 | |
| | Cost of 10 metre | | | | 206691.29 | |
| | Cost of 1 metre | | | | 20669.13 | |
| | **Add 1% labour cess** | | | | 206.69 | |
| | **Rate** | **per metre** | | | **20875.80** | |
| **18.73** | **Providing and laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329.** | | | | | |
| **18.73.1** | **100 mm dia Ductile Iron Double Flanged.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 100 mm dia. ductile iron pipes double flanged | | | | | |
| | Weight of 1m pipe = 21.700 kg | | | | | |
| | Weight of 10m pipes 21.700x5 = 108.50 kg | | | | | |
| 7686 | Ductile Iron Pipe Class K-9 flanges and welding 100 mm dia | metre | 5 | 1074.99 | 5374.93 | |
| 2319 | Carriage of Spun iron S & S pipes 100 mm dia Labour for laying | 100 metre | 5 | 236.24 | 11.81 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 1.09 | 123.15 | 134.24 | A |
| | TOTAL | | | | 5520.97 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 53.87 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 5574.84 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 764.41 | |
| | TOTAL | | | | 6339.25 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 930.75 | |
| | Cost of 5 metre | | | | 7270.00 | |
| | Cost of 1 metre | | | | 1454.00 | |
| | **Add 1% labour cess** | | | | 14.54 | |
| | **Rate** | **per metre** | | | **1468.50** | |
| **18.73.2** | **150 mm dia Ductile Iron Double Flanged.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 150 mm dia. ductile iron pipes double flanged | | | | | |
| | Weight of 1m pipe = 32.600 kg | | | | | |
| | Weight of 5m pipes32.600x5 = 163.00kg | | | | | |
| 7687 | Ductile Iron Pipe Class K-9 flanges and welding 150 mm dia | metre | 5 | 1612.94 | 8064.72 | |
| 2321 | Carriage of Spun iron S & S pipes 150 mm dia Labour for laying | 100 metre | 5 | 393.73 | 19.69 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 1.63 | 123.15 | 200.74 | A |
| | TOTAL | | | | 8285.14 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 80.84 | |
| | TOTAL | | | | 8365.99 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1147.22 | |
| | TOTAL | | | | 9513.20 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 1396.87 | |
| | Cost of 5 metre | | | | 10910.07 | |
| | Cost of 1 metre | | | | 2182.01 | |
| | **Add 1% labour cess** | | | | 21.82 | |
| | **Rate** | **per metre** | | | **2203.80** | |
| **18.73.3** | **200 mm dia Ductile Iron Double Flanged.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 200mm dia. ductile iron pipes double flanged | | | | | |
| | Weight of 1m pipe = 44.200 kg | | | | | |
| | Weight of 5m pipes44.200x5 =221.00kg | | | | | |
| 7688 | Ductile Iron Pipe Class K-9 flanges and welding 200 mm dia | metre | 5 | 2028.05 | 10140.23 | |
| 2322 | Carriage of Spun iron S & S pipes 200 mm dia Labour for laying | 100 metre | 5 | 640.46 | 32.02 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 2.21 | 123.15 | 272.16 | A |
| | TOTAL | | | | 10444.42 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 101.72 | |
| | TOTAL | | | | 10546.14 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1443.49 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 11989.64 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 1757.62 | |
| | Cost of 5 metre | | | | 13747.26 | |
| | Cost of 1 metre | | | | 2749.45 | |
| | **Add 1% labour cess** | | | | 27.49 | |
| | **Rate** | **per metre** | | | **2776.90** | |
| **18.73.4** | **250 mm dia Ductile Iron Double Flanged.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 250 mm dia. ductile iron pipes double flanged | | | | | |
| | Weight of 1m pipe =59.400kg | | | | | |
| | Weight of 5m pipes 59.400x5 = 297.00kg | | | | | |
| 7689 | Ductile Iron Pipe Class K-9 flanges and welding 250 mm dia | metre | 5 | 2883.38 | 14416.91 | |
| 2323 | Carriage of Spun iron S & S pipes 250 mm dia Labour for laying | 100 metre | 5 | 910.13 | 45.51 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 2.97 | 123.15 | 365.76 | A |
| | TOTAL | | | | 14828.17 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 144.62 | |
| | TOTAL | | | | 14972.80 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 2052.29 | |
| | TOTAL | | | | 17025.08 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 2498.90 | |
| | Cost of 5 metre | | | | 19523.98 | |
| | Cost of 1 metre | | | | 3904.80 | |
| | **Add 1% labour cess** | | | | 39.05 | |
| | **Rate** | **per metre** | | | **3943.80** | |
| **18.73.5** | **300 mm dia Ductile Iron Double Flanged.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 300 mm dia. ductile iron pipes double flanged | | | | | |
| | Weight of 1m pipe =76.400kg | | | | | |
| | Weight of 5m pipes 76.400x5 = 382.00kg | | | | | |
| 7690 | Ductile Iron Pipe Class K-9 flanges and welding 300 mm dia | metre | 5 | 3704.28 | 18521.40 | |
| 2324 | Carriage of Spun iron S & S pipes 300 mm. dia Labour for laying | 100 metre | 5 | 1124.93 | 56.25 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 3.82 | 123.15 | 470.44 | A |
| | TOTAL | | | | 19048.08 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 185.78 | |
| | TOTAL | | | | 19233.86 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 2636.26 | |
| | TOTAL | | | | 21870.12 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 3209.95 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost of 5 metre | | | | 25080.07 | |
| | Cost of 1 metre | | | | 5016.01 | |
| | **Add 1% labour cess** | | | | 50.16 | |
| | **Rate** | **per metre** | | | **5066.20** | |
| **18.73.6** | **350 mm dia Ductile Iron Double Flanged.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 350 mm dia. ductile iron pipes double flanged | | | | | |
| | Weight of 1m pipe =91.400kg | | | | | |
| | Weight of 5m pipes 91.400x5 = 457.00kg | | | | | |
| 7691 | Ductile Iron Pipe Class K-9 flanges and welding 350 mm dia | metre | 5 | 4671.30 | 23356.50 | |
| 2325 | Carriage of Spun iron S & S pipes 350 mm dia Labour for laying | 100 metre | 5 | 1574.90 | 78.74 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 4.57 | 123.15 | 562.80 | A |
| | TOTAL | | | | 23998.05 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 234.35 | |
| | TOTAL | | | | 24232.40 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 3325.58 | |
| | TOTAL | | | | 27557.98 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 4049.28 | |
| | Cost of 5 metre | | | | 31607.26 | |
| | Cost of 1 metre | | | | 6321.45 | |
| | **Add 1% labour cess** | | | | 63.21 | |
| | **Rate** | **per metre** | | | **6384.70** | |
| **18.73.7** | **400 mm dia Ductile Iron Double Flanged.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 400 mm dia. ductile iron pipes double flanged | | | | | |
| | Weight of 1m pipe =108.100kg | | | | | |
| | Weight of 5m pipes 108.100x5 = 540.50kg | | | | | |
| 7692 | Ductile Iron Pipe Class K-9 flanges and welding 400 mm dia | metre | 5 | 6010.61 | 30053.06 | |
| 2326 | Carriage of Spun iron S & S pipes 400 mm dia Labour for laying | 100 metre | 5 | 2147.59 | 107.38 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 5.4 | 123.15 | 665.02 | A |
| | TOTAL | | | | 30825.46 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 301.60 | |
| | TOTAL | | | | 31127.06 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 4279.92 | |
| | TOTAL | | | | 35406.98 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 5211.29 | |
| | Cost of 5 metre | | | | 40618.27 | |
| | Cost of 1 metre | | | | 8123.65 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | **Add 1% labour cess** | | | | 81.24 | |
| | **Rate** | **per metre** | | | **8204.90** | |
| **18.73.8** | **450 mm dia Ductile Iron Double Flanged.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 450 mm dia. ductile iron pipes double flanged | | | | | |
| | Weight of 1m pipe =127.800kg | | | | | |
| | Weight of 5m pipes 127.800x5 = 639.00kg | | | | | |
| 7693 | Ductile Iron Pipe Class K-9 flanges and welding 450 mm dia | metre | 5 | 6306.58 | 31532.91 | |
| 2327 | Carriage of Spun iron S & S pipes 450 mm dia Labour for laying | 100 metre | 5 | 2624.84 | 131.24 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 6.39 | 123.15 | 786.94 | A |
| | TOTAL | | | | 32451.09 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 316.64 | |
| | TOTAL | | | | 32767.73 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 4493.30 | |
| | TOTAL | | | | 37261.03 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 5471.11 | |
| | Cost of 5 metre | | | | 42732.15 | |
| | Cost of 1 metre | | | | 8546.43 | |
| | **Add 1% labour cess** | | | | 85.46 | |
| | **Rate** | **per metre** | | | **8631.90** | |
| **18.73.9** | **500 mm dia Ductile Iron Double Flanged** | | | | | |
| | Details of cost for 5 metre | | | | | |
| | MATERIAL: | | | | | |
| | 500 mm dia. ductile iron pipes double flanged | | | | | |
| | Weight of 1m pipe =147.900kg | | | | | |
| | Weight of 5m pipes 147.900x5 = 739.50kg | | | | | |
| 7694 | Ductile Iron Pipe Class K-9 flanges and welding 500 mm dia | metre | 5 | 8971.24 | 44856.21 | |
| 2328 | Carriage of Spun iron S & S pipes 500 mm dia Labour for laying | 100 metre | 5 | 2624.84 | 131.24 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 7.4 | 123.15 | 911.32 | A |
| | TOTAL | | | | 45898.78 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 449.87 | |
| | TOTAL | | | | 46348.65 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 6383.94 | |
| | TOTAL | | | | 52732.60 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 7773.19 | |
| | Cost of 5 metre | | | | 60505.79 | |
| | Cost of 1 metre | | | | 12101.16 | |
| | **Add 1% labour cess** | | | | 121.01 | |
| | **Rate** | **per metre** | | | **12222.20** | |
| **18.73.10** | **600 mm dia Ductile Iron Double Flanged.** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 600 mm dia. ductile iron pipes double flanged | | | | | |
| | Weight of 1m pipe =198.900kg | | | | | |
| | Weight of 5m pipes 198.900x5 = 994.50kg | | | | | |
| 7695 | Ductile Iron Pipe Class K-9 flanges and welding 600 mm dia | metre | 5 | 11874.17 | 59370.85 | |
| 2329 | Carriage of Spun iron S & S pipes 600mm dia Labour for laying | 100 metre | 5 | 3937.25 | 196.86 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 9.95 | 123.15 | 1225.36 | A |
| | TOTAL | | | | 60793.06 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 595.68 | |
| | TOTAL | | | | 61388.74 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 8452.96 | |
| | TOTAL | | | | 69841.70 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 10292.45 | |
| | Cost of 5 metre | | | | 80134.15 | |
| | Cost of 1 metre | | | | 16026.83 | |
| | **Add 1% labour cess** | | | | 160.27 | |
| | **Rate** | **per metre** | | | **16187.10** | |
| **18.73.11** | **700 mm dia Ductile Iron Double Flanged.** | | | | | |
| | Details of cost for 5 metre. | | | | | |
| | MATERIAL: | | | | | |
| | 700 mm dia. ductile iron pipes double flanged | | | | | |
| | Weight of 1m pipe =254.90 kg | | | | | |
| | Weight of 5m pipes 254.90x5 = 1274.50 kg | | | | | |
| 7696 | Ductile Iron Pipe Class K-9 flanges and welding 700 mm dia | metre | 5 | 14043.69 | 70218.43 | |
| 2330 | Carriage of C.I. pipes 500 mm dia Labour for laying | 100 metre | 5 | 2624.84 | 131.24 | |
| 18.23 | Rate as per Item Number 18.23 of SH: Water supply | quintal | 12.75 | 123.15 | 1570.18 | A |
| | TOTAL | | | | 71919.85 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 703.50 | |
| | TOTAL | | | | 72623.35 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 9982.97 | |
| | TOTAL | | | | 82606.32 | (Y) |
| | Add CPOH @ 15% on "Y" except on A i.e on | | | | 12155.42 | |
| | Cost of 5 metre | | | | 94761.74 | |
| | Cost of 1 metre | | | | 18952.35 | |
| | **Add 1% labour cess** | | | | 189.52 | |
| | **Rate** | **per metre** | | | **19141.90** | |
| **18.74** | **Providing and fixing unplasticised P.V.C. conn ection pipe with PTMT Nuts, collar and bush of approved quality and colour.** | | | | | |
| **18.74.1** | **15 mm nominal bore with 30 cm length.** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7862 | 15 mm nominal bore and 30 cm length PVC connection pipe with P.T.M.T. Nuts | each | 1 | 29.78 | 29.78 |
| 9999 | Carriage of materials and fixing charges | L.S. | 12.22 | 1.8 | 22.00 |
| | TOTAL | | | | 51.78 |
| | Add Water Charges @ 1% | | | | 0.52 |
| | TOTAL | | | | 52.30 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 7.35 |
| | TOTAL | | | | 59.64 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 8.95 |
| | Cost of each | | | | 68.60 |
| | **Add 1% labour cess** | | | | 0.69 |
| | **Rate** | **each** | | | **69.30** |
| **18.74.2** | **15 mm nominal bore with 45 cm length.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7863 | 15 mm nominal bore and 45 cm length PVC connection pipe with P.T.M.T. Nuts | each | 1 | 31.64 | 31.64 |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.52 | 1.8 | 24.34 |
| | TOTAL | | | | 55.98 |
| | Add Water Charges @ 1% | | | | 0.56 |
| | TOTAL | | | | 56.54 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 7.94 |
| | TOTAL | | | | 64.48 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 9.67 |
| | Cost of each | | | | 74.20 |
| | **Add 1% labour cess** | | | | 0.74 |
| | **Rate** | **each** | | | **74.90** |
| **18.75** | **Providing and fixing PTMT extension nipple for water tank pipe, fittings of approved quality and colour.** | | | | |
| **18.75.1** | **15 mm nominal bore, weighing not less than 32 gms.** | | | | |
| | Details of cost for one no. | | | | |
| | MATERIAL: | | | | |
| 7864 | P.T.M.T. extension nipple 15 mm | each | 1 | 17.68 | 17.68 |
| 9999 | Carriage of materials and fixing charges | L.S. | 3.38 | 1.8 | 6.08 |
| | TOTAL | | | | 23.77 |
| | Add Water Charges @ 1% | | | | 0.24 |
| | TOTAL | | | | 24.01 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 3.37 |
| | TOTAL | | | | 27.38 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 4.11 |
| | Cost of each | | | | 31.50 |
| | **Add 1% labour cess** | | | | 0.32 |
| | **Rate** | **each** | | | **31.80** |
| **18.75.2** | **20 mm nominal bore, weighing not less than 40 gms.** | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7865 | P.T.M.T. extension nipple 20 mm | each | 1 | 26.06 | 26.06 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 3.38 | 1.8 | 6.08 | |
| | TOTAL | | | | 32.14 | |
| | Add Water Charges @ 1% | | | | 0.32 | |
| | TOTAL | | | | 32.47 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 4.56 | |
| | TOTAL | | | | 37.03 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 5.55 | |
| | Cost of each | | | | 42.60 | |
| | **Add 1% labour cess** | | | | 0.43 | |
| | **Rate** | **each** | | | **43.00** | |
| **18.75.3** | **25 mm nominal bore, weighing not less than 62 gms.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7866 | P.T.M.T. extension nipple 25 mm | each | 1 | 37.23 | 37.23 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 3.38 | 1.8 | 6.08 | |
| | TOTAL | | | | 43.31 | |
| | Add Water Charges @ 1% | | | | 0.43 | |
| | TOTAL | | | | 43.75 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 6.15 | |
| | TOTAL | | | | 49.89 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 7.48 | |
| | Cost of each | | | | 57.40 | |
| | **Add 1% labour cess** | | | | **0.57** | |
| | **Rate** | **each** | | | **58.00** | |
| **18.76** | **Cutting holes up to 30x30 cm in walls including making good the same.** | | | | | |
| **18.76.1** | **With common burnt clay F.P.S. (non modular) 100Abrick.** | | | | | |
| | Details of cost for 10 holes Size 30x30cm in 34 cm wall | | | | | |
| | Labour for cutting holes | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.16 | 342.00 | 54.72 | |
| 124 | Mason (brick layer) 2nd class | day | 0.16 | 305.00 | 48.80 | |
| 114 | Beldar | day | 1.25 | 254.00 | 317.50 | |
| | Brick work with bricks of class designation 75 in cement mortar 1:4(1 cement: 4 coarse sand) | | | | | |
| | 10x0.30x0.30x0.344m = 0.309 cum | | | | | |
| | Les 33% for pipe etc. = (-) 0.102 cum | | | | | |
| | = 0.207 cum Say 0.21 cum | | | | | |
| 6.4.1 | Rate as per Item Number 6.4.1 of SH: Brick work 12 mm cement plaster 1:4 (1 cement: 4 coarse sand) | cum | 0.21 | 4987.334 | 1047.34 | A |
| | 10x2x0.3x0.3m = 1.80 sqm | | | | | |
| | Les 33% for pipe etc. = (-) 0.59 sqm | | | | | |
| | = 1.21 sqm Say 1.20 sqm | | | | | |
| 13.11.1 | Rate as per Item Number 13.11.1 of SH: Finishing | sqm | 1.2 | 138.51 | 166.22 | A |
| 9999 | Add for delay | L.S. | 16.12 | 1.8 | 29.02 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Sundries | L.S. | 8.06 | 1.8 | 14.51 | |
| | TOTAL | | | | 1678.10 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 4.65 | |
| | TOTAL | | | | 1682.75 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 65.92 | |
| | TOTAL | | | | 1748.67 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 80.27 | |
| | Cost of 10 nos | | | | 1828.93 | |
| | Cost of each | | | | 182.89 | |
| | **Add 1% labour cess** | | | | 1.83 | |
| | **Rate** | **each** | | | **184.70** | |
| **18.77** | **Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size),including finishing complete so as to make it leak proof.** | | | | | |
| | Details of cost for 10 holes Average size . 15x15x15 cm | | | | | |
| | Labour for cutting holes | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.83 | 342.00 | 283.86 | |
| 124 | Mason (brick layer) 2nd class | day | 0.83 | 305.00 | 253.15 | |
| 114 | Beldar | day | 1.67 | 254.00 | 424.18 | |
| | Cement concrete 1:2:4 (1 cement: 2 coarse sand ; 4 graded stone aggregate 20 mm nominal size) | | | | | |
| | 10x0.15x0.15x0.15 m = 0.033 cum | | | | | |
| | Les 33% for pipe etc. = (-) 0.011 cum | | | | | |
| | = 0.022 cum Say 0.0.02 cum | | | | | |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work | cum | 0.02 | 4930.92 | 98.62 | A |
| 9999 | Finishing top and bottom and making the holes leak proof | L.S. | 121.16 | 1.8 | 218.09 | |
| 9999 | Add for delay | L.S. | 40.3 | 1.8 | 72.54 | |
| 9999 | Sundries | L.S. | 21.58 | 1.8 | 38.84 | |
| | TOTAL | | | | 1389.28 | |
| | Add Water Charges @ 1% except on A i.e on (1389.28 -98.62 =) | | | | 12.91 | |
| | TOTAL | | | | 1402.19 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 183.15 | |
| | (1402.19 -98.62*0.1405 | | | | | |
| | TOTAL | | | | 1585.34 | (Y) |
| | Add CPOH @ 15% on "Y"except A i.e on (1585.34 -98.62 =) | | | | 223.01 | |
| | Cost of 10 nos | | | | 1808.35 | |
| | Cost of each | | | | 180.83 | |
| | **Add 1% labour cess** | | | | 1.81 | |
| | **Rate** | **each** | | | **182.60** | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **18.78** | **Making chases up to 7.5x7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | Labour for making chases | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.25 | 342.00 | 85.50 | |
| 124 | Mason (brick layer) 2nd class | day | 0.25 | 305.00 | 76.25 | |
| 114 | Beldar | day | 1 | 254.00 | 254.00 | |
| | Cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) | | | | | |
| | 0.075x0.075x10 m = 0.05625 cum | | | | | |
| | Les 33% for pipe etc. = (-) 0.01856 cum | | | | | |
| | = 0.03769 cum Say 0.04 cum | | | | | |
| 4.2.5 | Rate as per Item Number 4.2.5 of SH: Concrete work | cum | 0.04 | 4365.00 | 174.60 | A |
| | TOTAL | | | | 590.35 | |
| | Add Water Charges @ 1% except on A i.e on (590.35 -174.6 =) | | | | 4.16 | |
| | TOTAL | | | | 594.51 | (X) |
| | Add GST 12% on "X" except on "A"( multiplying factor 0.1405) | | | | 59.00 | |
| | (594.51 -174.6*0.1405 | | | | | |
| | TOTAL | | | | 653.50 | (Y) |
| | Add CPOH @ 15% except on A i.e on (594.51 -174.6 =) | | | | 71.84 | |
| | Cost of 10 metre | | | | 725.34 | |
| | Cost of 1 metre | | | | 72.53 | |
| | **Add 1% labour cess** | | | | 0.73 | |
| | **Rate** | **per m** | | | **73.30** | |
| **18.79** | **Making hole up to 20x20 cm and embedding pipes up to 150 mm diameter in masonry and filling with cement concrete 1:3:6 (1 cement : 3 coarse sand 6 graded stone aggregate 20 mm nominal size) including disposal of malba.** | | | | | |
| | Details of cost for 10 metres. | | | | | |
| | Cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) | | | | | |
| | 0.2x0.2x10 m = 0.40 cum | | | | | |
| | Less for pipe 3.1416 x $0.15^2$ / 4 x 10 m= 0.177 cum | | | | | |
| | = 0.223 cum Say 0.22 cum | | | | | |
| 4.2.5 | Rate as per Item Number 4.2.5 of SH: Concrete work | cum | 0.22 | 4365.00 | 960.30 | A |
| 9999 | Disposal of malba | L.S. | 13.52 | 1.8 | 24.34 | |
| | TOTAL | | | | 1057.94 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.98 | |
| | TOTAL | | | | 1058.91 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X" except on "A"( multiplying factor 0.1405) | | | | 13.86 |
| | Total | | | | 1072.77 (Y) |
| | Add CPOH @ 15% except on"Y" A i.e on | | | | 16.87 |
| | Cost of 10 metre | | | | 1089.64 |
| | Cost of 1 metre | | | | 108.96 |
| | **Add 1% labour cess** | | | | 1.09 |
| | **Rate** | **per m** | | | **110.10** |
| **18.80** | **Disinfecting C.I. water mains by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, operation to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory.** | | | | |
| **18.80.1** | **80 mm diameter C.I. pipe.** | | | | |
| | Details of cost for 100 metres. | | | | |
| | MATERIAL: | | | | |
| | Bleaching powder | | | | |
| | 3x3.1416/4x(80/10)² x(100x100)/1000x0.5 gms. = 754.28 gms Say 0.008 q | | | | |
| 1301 | Bleaching powder | quintal | 0.008 | 1628.77 | 13.03 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 |
| 114 | Beldar | day | 1.31 | 254.00 | 332.74 |
| 9999 | Sundries including testing of samples | L.S. | 9.88 | 1.8 | 17.78 |
| | TOTAL | | | | 478.39 |
| | Add Water Charges @ 1% | | | | 4.78 |
| | TOTAL | | | | 483.18 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 67.89 |
| | TOTAL | | | | 551.06 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 82.66 |
| | Cost of 100 metre | | | | 633.72 |
| | **Add 1% labour cess** | | | | 6.34 |
| | **Rate** | **per 100 m** | | | **640.10** |
| **18.80.2** | **100 mm diameter C.I. pipe.** | | | | |
| | Details of cost for 100 metres. | | | | |
| | MATERIAL: | | | | |
| | Bleaching powder | | | | |
| | 3x(3.1416/4)x(100/10)² x(100x100)/1000x0.5 gms. | | | | |
| | = 1178.57 gms Say 0.012 q | | | | |
| 1301 | Bleaching powder | quintal | 0.012 | 1628.766 | 19.55 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.49 | 348.00 | 170.52 |
| 114 | Beldar | day | 1.64 | 254.00 | 416.56 |
| 9999 | Sundries including testing of samples | L.S. | 13.52 | 1.8 | 24.34 |
| | TOTAL | | | | 630.96 |
| | Add Water Charges @ 1% | | | | 6.31 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 637.27 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 89.54 | |
| | TOTAL | | | | 726.81 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.02 | |
| | Cost of 100 metre | | | | 835.83 | |
| | **Add 1% labour cess** | | | | 8.36 | |
| | **Rate** | **per 100 m** | | | **844.20** | |
| **18.80.3** | **125 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres. | | | | | |
| | MATERIAL: | | | | | |
| | Bleaching powder | | | | | |
| | 3x(3.1416/4)x(125/10)² x(100x100)/1000x0.5 gms. | | | | | |
| | = 1841.52 gms Say 0.008 q | | | | | |
| 1301 | Bleaching powder | quintal | 0.018 | 1628.766 | 29.32 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.66 | 348.00 | 229.68 | |
| 114 | Beldar | day | 1.97 | 254.00 | 500.38 | |
| 9999 | Sundries including testing of samples | L.S. | 17.94 | 1.8 | 32.29 | |
| | TOTAL | | | | 791.67 | |
| | Add Water Charges @ 1% | | | | 7.92 | |
| | TOTAL | | | | 799.59 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 112.34 | |
| | TOTAL | | | | 911.93 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 136.79 | |
| | Cost of 100 metre | | | | 1048.72 | |
| | **Add 1% labour cess** | | | | 10.49 | |
| | **Rate** | **per 100 m** | | | **1059.20** | |
| **18.80.4** | **150 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres. | | | | | |
| | MATERIAL: | | | | | |
| | Bleaching powder | | | | | |
| | 3x(3.1416/4)x(150/10)² x(100x100)/1000x0.5 gms. | | | | | |
| | = 2651 gms Say 0.027 q | | | | | |
| 1301 | Bleaching powder | quintal | 0.027 | 1628.766 | 43.98 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.82 | 348.00 | 285.36 | |
| 114 | Beldar | day | 2.3 | 254.00 | 584.20 | |
| 9999 | Sundries including testing of samples | L.S. | 22.88 | 1.8 | 41.18 | |
| | TOTAL | | | | 954.72 | |
| | Add Water Charges @ 1% | | | | 9.55 | |
| | TOTAL | | | | 964.27 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 135.48 | |
| | TOTAL | | | | 1099.75 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 164.96 | |
| | Cost of 100 metre | | | | 1264.71 | |
| | **Add 1% labour cess** | | | | 12.65 | |
| | **Rate** | **per 100 m** | | | **1277.40** | |
| **18.80.5** | **200 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres. | | | | | |
| | MATERIAL: | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Bleaching powder<br>3x(3.1416/4)x(200/10)² x(100x100)/1000x0.5<br>gms.<br>= 4712.39 gms Say 0.047 q | | | | | |
| 1301 | Bleaching powder | quintal | 0.047 | 1628.766 | 76.55 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 1.15 | 348.00 | 400.20 | |
| 114 | Beldar | day | 2.95 | 254.00 | 749.30 | |
| 9999 | Sundries including testing of samples | L.S. | 31.46 | 1.8 | 56.63 | |
| | TOTAL | | | | 1282.68 | |
| | Add Water Charges @ 1% | | | | 12.83 | |
| | TOTAL | | | | 1295.51 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 182.02 | |
| | TOTAL | | | | 1477.53 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 221.63 | |
| | Cost of 100 metre | | | | 1699.15 | |
| | **Add 1% labour cess** | | | | 16.99 | |
| | **Rate** | **per 100 m** | | | **1716.10** | |
| **18.80.6** | **250 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres.<br>MATERIAL:<br>Bleaching powder<br>3x(3.1416/4)x(250/10)² x(100x100)/1000x0.5<br>gms.<br>= 7363.10 gms Say 0.074 q | | | | | |
| 1301 | Bleaching powder | quintal | 0.074 | 1628.766 | 120.53 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 1.48 | 348.00 | 515.04 | |
| 114 | Beldar | day | 3.61 | 254.00 | 916.94 | |
| 9999 | Sundries including testing of samples | L.S. | 40.3 | 1.8 | 72.54 | |
| | TOTAL | | | | 1625.05 | |
| | Add Water Charges @ 1% | | | | 16.25 | |
| | TOTAL | | | | 1641.30 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 230.60 | |
| | TOTAL | | | | 1871.90 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 280.79 | |
| | Cost of 100 metre | | | | 2152.69 | |
| | **Add 1% labour cess** | | | | 21.53 | |
| | **Rate** | **per 100 m** | | | **2174.20** | |
| **18.80.7** | **300 mm diameter C.I.** | | | | | |
| | Details of cost for 100 metres.<br>MATERIAL:<br>Bleaching powder<br>3x(3.1416/4)x(300/10)² x(100x100)/1000x0.5<br>gms.<br>= 10602.88 gms Say 0.106 q | | | | | |
| 1301 | Bleaching powder | quintal | 0.106 | 1628.766 | 172.65 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 1.64 | 348.00 | 570.72 | |
| 114 | Beldar | day | 3.94 | 254.00 | 1000.76 | |
| 9999 | Sundries including testing of samples | L.S. | 44.46 | 1.8 | 80.03 | |
| | TOTAL | | | | 1824.16 | |
| | Add Water Charges @ 1% | | | | 18.24 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 1842.40 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 258.86 | |
| | TOTAL | | | | 2101.26 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 315.19 | |
| | Cost of 100 metre | | | | 2416.44 | |
| | **Add 1% labour cess** | | | | 24.16 | |
| | **Rate** | **per 100 m** | | | **2440.60** | |
| **18.80.8** | **350 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres. | | | | | |
| | MATERIAL: | | | | | |
| | Bleaching powder | | | | | |
| | 3x(3.1416/4)x(350/10)² x(100x100)/1000x0.5 gms. | | | | | |
| | = 14431.70 gms Say 0.144 q | | | | | |
| 1301 | Bleaching powder | quintal | 0.144 | 1628.766 | 234.54 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 1.8 | 348.00 | 626.40 | |
| 114 | Beldar | day | 4.27 | 254.00 | 1084.58 | |
| 9999 | Sundries including testing of samples | L.S. | 48.36 | 1.8 | 87.05 | |
| | TOTAL | | | | 2032.57 | |
| | Add Water Charges @ 1% | | | | 20.33 | |
| | TOTAL | | | | 2052.90 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 288.43 | |
| | TOTAL | | | | 2341.33 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 351.20 | |
| | Cost of 100 metre | | | | 2692.53 | |
| | **Add 1% labour cess** | | | | 26.93 | |
| | **Rate** | **per 100 m** | | | **2719.50** | |
| **18.80.9** | **400 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres. | | | | | |
| | MATERIAL: | | | | | |
| | Bleaching powder | | | | | |
| | 3x(3.1416/4)x(400/10)² x(100x100)/1000x0.5 gms. | | | | | |
| | = 18849.60 gms Say 0.189 q | | | | | |
| 1301 | Bleaching powder | quintal | 0.189 | 1628.766 | 307.84 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 1.97 | 348.00 | 685.56 | |
| 114 | Beldar | day | 4.59 | 254.00 | 1165.86 | |
| 9999 | Sundries including testing of samples | L.S. | 53.82 | 1.8 | 96.88 | |
| | TOTAL | | | | 2256.13 | |
| | Add Water Charges @ 1% | | | | 22.56 | |
| | TOTAL | | | | 2278.69 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 320.16 | |
| | TOTAL | | | | 2598.85 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 389.83 | |
| | Cost of 100 metre | | | | 2988.68 | |
| | **Add 1% labour cess** | | | | 29.89 | |
| | **Rate** | **per 100 m** | | | **3018.60** | |
| **18.80.10** | **450 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres. | | | | | |
| | MATERIAL: | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Bleaching powder<br>3x(3.1416/4)x(450/10)² x(100x100)/1000x0.5<br>gms.<br>= 23856.50 gms Say 0.239 q | | | | | |
| 1301 | Bleaching powder | quintal | 0.239 | 1628.766 | 389.28 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 2.13 | 348.00 | 741.24 | |
| 114 | Beldar | day | 4.92 | 254.00 | 1249.68 | |
| 9999 | Sundries including testing of samples | L.S. | 58.24 | 1.8 | 104.83 | |
| | TOTAL | | | | 2485.03 | |
| | Add Water Charges @ 1% | | | | 24.85 | |
| | TOTAL | | | | 2509.88 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 352.64 | |
| | TOTAL | | | | 2862.52 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 429.38 | |
| | Cost of 100 metre | | | | 3291.89 | |
| | **Add 1% labour cess** | | | | 32.92 | |
| | **Rate** | **per 100 m** | | | **3324.80** | |
| **18.80.11** | **500 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres.<br>MATERIAL:<br>Bleaching powder<br>3x(3.1416/4)x(500/10)² x(100x100)/1000x0.5<br>gms.<br>= 29452.40 gms Say 0.295 q | | | | | |
| 1301 | Bleaching powder | quintal | 0.295 | 1628.766 | 480.49 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 2.3 | 348.00 | 800.40 | |
| 114 | Beldar | day | 5.25 | 254.00 | 1333.50 | |
| 9999 | Sundries including testing of samples | L.S. | 63.7 | 1.8 | 114.66 | |
| | TOTAL | | | | 2729.05 | |
| | Add Water Charges @ 1% | | | | 27.29 | |
| | TOTAL | | | | 2756.34 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 387.27 | |
| | TOTAL | | | | 3143.60 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 471.54 | |
| | Cost of 100 metre | | | | 3615.14 | |
| | **Add 1% labour cess** | | | | 36.15 | |
| | **Rate** | **per 100 m** | | | **3651.30** | |
| **18.80.12** | **600 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres.<br>MATERIAL:<br>Bleaching powder 3x (3.1416/4)x(600/10)²x<br>(100x100)/100x0.5gms<br>= 42411.5 gms Say 0.424 q | | | | | |
| 1301 | Bleaching powder | quintal | 0.424 | 1628.766 | 690.60 | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 2.62 | 348.00 | 911.76 | |
| 114 | Beldar | day | 5.91 | 254.00 | 1501.14 | |
| 9999 | Sundries including testing of samples | L.S. | 71.37 | 1.8 | 128.47 | |
| | TOTAL | | | | 3231.96 | |
| | Add Water Charges @ 1% | | | | 32.32 | |
| | TOTAL | | | | 3264.28 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 458.63 |
| | TOTAL | | | | 3722.91 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 558.44 |
| | Cost of 100 metre | | | | 4281.35 |
| | **Add 1% labour cess** | | | | 42.81 |
| | **Rate** | **per 100 m** | | | **4324.20** |
| **18.81** | **Extra for every operation of disinfecting the C.I. main by flushing with water containing bleaching powder @ 0.5 gms per litre of water and cleaning the same with fresh water, including getting the samples of water tested in the municipal laboratory.** | | | | |
| **18.81.1** | **80 mm diameter C.I.** | | | | |
| | Details of cost for 100 metres. | | | | |
| | MATERIAL: | | | | |
| 1301 | Bleaching powder | quintal | 0.003 | 1628.766 | 4.89 |
| 116 | Fitter (grade 1) | day | 0.11 | 348.00 | 38.28 |
| 114 | Beldar | day | 0.49 | 254.00 | 124.46 |
| 9999 | Sundries including testing of samples | L.S. | 4.42 | 1.8 | 7.96 |
| | TOTAL | | | | 175.58 |
| | Add Water Charges @ 1% | | | | 1.76 |
| | TOTAL | | | | 177.34 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 24.92 |
| | TOTAL | | | | 202.25 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 30.34 |
| | Cost of 100 metre | | | | 232.59 |
| | **Add 1% labour cess** | | | | 2.33 |
| | **Rate** | **per 100 m** | | | **234.90** |
| **18.81.2** | **100 mm diameter C.I. pipe.** | | | | |
| | Details of cost for 100 metres. | | | | |
| | MATERIAL: | | | | |
| 1301 | Bleaching powder | quintal | 0.004 | 1628.766 | 6.52 |
| 116 | Fitter (grade 1) | day | 0.16 | 348.00 | 55.68 |
| 114 | Beldar | day | 0.57 | 254.00 | 144.78 |
| 9999 | Sundries including testing of samples | L.S. | 4.42 | 1.8 | 7.96 |
| | TOTAL | | | | 214.93 |
| | Add Water Charges @ 1% | | | | 2.15 |
| | TOTAL | | | | 217.08 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 30.50 |
| | TOTAL | | | | 247.58 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 37.14 |
| | Cost of 100 metre | | | | 284.72 |
| | **Add 1% labour cess** | | | | 2.85 |
| | **Rate** | **per 100 m** | | | **287.60** |
| **18.81.3** | **125 mm diameter C.I. pipe.** | | | | |
| | Details of cost for 100 metres. | | | | |
| | MATERIAL: | | | | |
| 1301 | Bleaching powder | quintal | 0.006 | 1628.766 | 9.77 |
| 116 | Fitter (grade 1) | day | 0.22 | 348.00 | 76.56 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| 9999 | Sundries including testing of samples | L.S. | 5.46 | 1.8 | 9.83 | |
| | TOTAL | | | | 263.80 | |
| | Add Water Charges @ 1% | | | | 2.64 | |
| | TOTAL | | | | 266.44 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 37.43 | |
| | TOTAL | | | | 303.87 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 45.58 | |
| | Cost of 100 metre | | | | 349.45 | |
| | **Add 1% labour cess** | | | | 3.49 | |
| | **Rate** | **per 100 m** | | | **352.90** | |
| **18.81.4** | **150 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres. | | | | | |
| | MATERIAL: | | | | | |
| 1301 | Bleaching powder | quintal | 0.009 | 1628.766 | 14.66 | |
| 116 | Fitter (grade 1) | day | 0.27 | 348.00 | 93.96 | |
| 114 | Beldar | day | 0.74 | 254.00 | 187.96 | |
| 9999 | Sundries including testing of samples | L.S. | 7.15 | 1.8 | 12.87 | |
| | TOTAL | | | | 309.45 | |
| | Add Water Charges @ 1% | | | | 3.09 | |
| | TOTAL | | | | 312.54 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 43.91 | |
| | TOTAL | | | | 356.46 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 53.47 | |
| | Cost of 100 metre | | | | 409.92 | |
| | **Add 1% labour cess** | | | | 4.10 | |
| | **Rate** | **per 100 m** | | | **414.00** | |
| **18.81.5** | **200 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres. | | | | | |
| | MATERIAL: | | | | | |
| 1301 | Bleaching powder | quintal | 0.016 | 1628.766 | 26.06 | |
| 116 | Fitter (grade 1) | day | 0.58 | 348.00 | 201.84 | |
| 114 | Beldar | day | 0.9 | 254.00 | 228.60 | |
| 9999 | Sundries including testing of samples | L.S. | 9.88 | 1.8 | 17.78 | |
| | TOTAL | | | | 474.28 | |
| | Add Water Charges @ 1% | | | | 4.74 | |
| | TOTAL | | | | 479.03 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 67.30 | |
| | TOTAL | | | | 546.33 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 81.95 | |
| | Cost of 100 metre | | | | 628.28 | |
| | **Add 1% labour cess** | | | | 6.28 | |
| | **Rate** | **per 100 m** | | | **634.60** | |
| **18.81.6** | **250 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres. | | | | | |
| | MATERIAL: | | | | | |
| 1301 | Bleaching powder | quintal | 0.025 | 1628.766 | 40.72 | |
| 116 | Fitter (grade 1) | day | 0.6 | 348.00 | 208.80 | |
| 114 | Beldar | day | 1.1 | 254.00 | 279.40 | |
| 9999 | Sundries including testing of samples | L.S. | 10.79 | 1.8 | 19.42 | |
| | TOTAL | | | | 548.34 | |
| | Add Water Charges @ 1% | | | | 5.48 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 553.82 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 77.81 | |
| | TOTAL | | | | 631.64 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 94.75 | |
| | Cost of 100 metre | | | | 726.38 | |
| | **Add 1% labour cess** | | | | 7.26 | |
| | **Rate** | **per 100 m** | | | **733.60** | |
| **18.81.7** | **300 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres. | | | | | |
| | MATERIAL: | | | | | |
| 1301 | Bleaching powder | quintal | 0.035 | 1628.766 | 57.01 | |
| 116 | Fitter (grade 1) | day | 0.6 | 348.00 | 208.80 | |
| 114 | Beldar | day | 1.3 | 254.00 | 330.20 | |
| 9999 | Sundries including testing of samples | L.S. | 13.52 | 1.8 | 24.34 | |
| | TOTAL | | | | 620.34 | |
| | Add Water Charges @ 1% | | | | 6.20 | |
| | TOTAL | | | | 626.55 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 88.03 | |
| | TOTAL | | | | 714.58 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 107.19 | |
| | Cost of 100 metre | | | | 821.76 | |
| | **Add 1% labour cess** | | | | 8.22 | |
| | **Rate** | **per 100 m** | | | **830.00** | |
| **18.81.8** | **350 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres. | | | | | |
| | MATERIAL: | | | | | |
| 1301 | Bleaching powder | quintal | 0.048 | 1628.766 | 78.18 | |
| 116 | Fitter (grade 1) | day | 0.7 | 348.00 | 243.60 | |
| 114 | Beldar | day | 1.5 | 254.00 | 381.00 | |
| 9999 | Sundries including testing of samples | L.S. | 16.12 | 1.8 | 29.02 | |
| | TOTAL | | | | 731.80 | |
| | Add Water Charges @ 1% | | | | 7.32 | |
| | TOTAL | | | | 739.11 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 103.85 | |
| | TOTAL | | | | 842.96 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 126.44 | |
| | Cost of 100 metre | | | | 969.40 | |
| | **Add 1% labour cess** | | | | 9.69 | |
| | **Rate** | **per 100 m** | | | **979.10** | |
| **18.81.9** | **400 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres. | | | | | |
| | MATERIAL: | | | | | |
| 1301 | Bleaching powder | quintal | 0.063 | 1628.766 | 102.61 | |
| 116 | Fitter (grade 1) | day | 0.8 | 348.00 | 278.40 | |
| 114 | Beldar | day | 1.7 | 254.00 | 431.80 | |
| 9999 | Sundries including testing of samples | L.S. | 17.94 | 1.8 | 32.29 | |
| | TOTAL | | | | 845.10 | |
| | Add Water Charges @ 1% | | | | 8.45 | |
| | TOTAL | | | | 853.56 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 119.92 | |
| | TOTAL | | | | 973.48 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 146.02 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost of 100 metre | | | | 1119.50 | |
| | **Add 1% labour cess** | | | | 11.20 | |
| | **Rate** | **per 100 m** | | | **1130.70** | |
| **18.81.10** | **450 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres. | | | | | |
| | MATERIAL: | | | | | |
| 1301 | Bleaching powder | quintal | 0.08 | 1628.766 | 130.30 | |
| 116 | Fitter (grade 1) | day | 0.9 | 348.00 | 313.20 | |
| 114 | Beldar | day | 1.9 | 254.00 | 482.60 | |
| 9999 | Sundries including testing of samples | L.S. | 20.67 | 1.8 | 37.21 | |
| | TOTAL | | | | 963.31 | |
| | Add Water Charges @ 1% | | | | 9.63 | |
| | TOTAL | | | | 972.94 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 136.70 | |
| | TOTAL | | | | 1109.64 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 166.45 | |
| | Cost of 100 metre | | | | 1276.08 | |
| | **Add 1% labour cess** | | | | 12.76 | |
| | **Rate** | **per 100 m** | | | **1288.80** | |
| **18.81.11** | **500 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres. | | | | | |
| | MATERIAL: | | | | | |
| 1301 | Bleaching powder | quintal | 0.098 | 1628.766 | 159.62 | |
| 116 | Fitter (grade 1) | day | 1 | 348.00 | 348.00 | |
| 114 | Beldar | day | 2.1 | 254.00 | 533.40 | |
| 9999 | Sundries including testing of samples | L.S. | 23.27 | 1.8 | 41.89 | |
| | TOTAL | | | | 1082.91 | |
| | Add Water Charges @ 1% | | | | 10.83 | |
| | TOTAL | | | | 1093.73 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 153.67 | |
| | TOTAL | | | | 1247.40 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 187.11 | |
| | Cost of 100 metre | | | | 1434.51 | |
| | **Add 1% labour cess** | | | | 14.35 | |
| | **Rate** | **per 100 m** | | | **1448.90** | |
| **18.81.12** | **600 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 100 metres. | | | | | |
| | MATERIAL: | | | | | |
| 1301 | Bleaching powder | quintal | 0.141 | 1628.766 | 229.66 | |
| 116 | Fitter (grade 1) | day | 1.2 | 348.00 | 417.60 | |
| 114 | Beldar | day | 2.5 | 254.00 | 635.00 | |
| 9999 | Sundries including testing of samples | L.S. | 26 | 1.8 | 46.80 | |
| | TOTAL | | | | 1329.06 | |
| | Add Water Charges @ 1% | | | | 13.29 | |
| | TOTAL | | | | 1342.35 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 188.60 | |
| | TOTAL | | | | 1530.95 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 229.64 | |
| | Cost of 100 metre | | | | 1760.59 | |
| | **Add 1% labour cess** | | | | 17.61 | |
| | **Rate** | **per 100 m** | | | **1778.20** | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **18.82** | **Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks,including stacking of pipes at site lead up to 50 metre.** | | | | |
| **18.82.1** | **80 mm diameter C.I. pipe.** | | | | |
| | Details of cost for 40.26m or 11 nos. joints. | | | | |
| | Earth work in excavation for dismantling pipes including refilling of excavated earth | | | | |
| | 1x40.26x55x0.75 m= 16.61 cum | | | | |
| | Deduct for pipe | | | | |
| | 1x40.26x ¼ x 3.1416x(0.098)² = (-)0.30 cum | | | | |
| | Total=16.31cum | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 16.31 | 316.47 | 5161.60 A |
| 2.26 | Rate as per Item Number 2.25 of SH: Earth work | cum | 16.31 | 102.25 | 1667.74 A |
| | Breaking lead caulked joints' making blocks and stacking | | | | |
| | MATERIAL: | | | | |
| 761 | Fuel wood | quintal | 0.373 | 465.36 | 173.58 |
| 771 | Kerosene oil | litre | 0.379 | 41.88 | 15.87 |
| | LABOUR: | | | | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.5 | 305.00 | 152.50 |
| 114 | Beldar | day | 4 | 254.00 | 1016.00 |
| 9999 | Sundries and carriage | L.S. | 53.82 | 1.8 | 96.88 |
| | TOTAL | | | | 8284.18 |
| | Add Water Charges @ 1% except on A i.e on | | | | 14.55 |
| | TOTAL | | | | 8298.73 (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 206.45 |
| | TOTAL | | | | 8505.17 (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 251.37 |
| | Cost of 40.26 metre | | | | 8756.55 |
| | Cost of 1 metre | | | | 217.50 |
| | **Add 1% labour cess** | | | | 2.17 |
| | **Rate** | **per m** | | | **219.70** |
| **18.82.2** | **100 mm diameter C.I. pipe.** | | | | |
| | Details of cost for 40.26m or 11 nos. joints. | | | | |
| | Earth work in excavationfor dismantling pipes including refilling of excavated earth | | | | |
| | 1x40.26x55x0.75 m=16.61 cum | | | | |
| | Deduct for pipe | | | | |
| | 1x40.26x ¼ x 3.1416x(0.098)² = (-)0.44 | | | | |
| | Total = 16.17 cum | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 16.17 | 316.47 | 5117.30 A |
| 2.25 | Rate as per Item Number 2.25 of | cum | 16.17 | 102.25 | 1653.43 A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | SH: Earth work<br>Breaking lead caulked joints,making blockst and stacking<br>MATERIAL: | | | | | |
| 761 | Fuel wood | quintal | 0.466 | 465.3617 | 216.86 | |
| 771 | Kerosene oil | litre | 0.379 | 41.88255 | 15.87 | |
| | LABOUR: | | | | | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.63 | 305.00 | 192.15 | |
| 114 | Beldar | day | 4.5 | 254.00 | 1143.00 | |
| 9999 | Sundries and carriage | L.S. | 53.82 | 1.8 | 96.88 | |
| | TOTAL | | | | 8435.48 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 16.65 | |
| | TOTAL | | | | 8452.13 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 236.24 | |
| | TOTAL | | | | 8688.37 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 287.65 | |
| | Cost of 40.26 metre | | | | 8976.02 | |
| | Cost of 1 metre | | | | 222.95 | |
| | **Add 1% labour cess** | | | | 2.23 | |
| | **Rate** | **per m** | | | **225.20** | |
| **18.82.3** | **125 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 40.26m or 11 nos. joints.<br>Earth work in excavationfor dismantling pipes including refilling of excavated earth<br>1x40.26x55x0.75 m= 16.61 cum<br>Deduct for pipe<br>1x40.26x ¼ x 3.1416 x$(0.144)^2$ =(-) 0.65cum<br>Total=15.96cum | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 15.96 | 316.47 | 5050.84 | A |
| 2.25 | Rate as per Item Number 2.25 of SH: Earth work<br>Breaking lead caulked joints,making blockst and stacking<br>MATERIAL: | cum | 15.96 | 102.25 | 1631.96 | A |
| 761 | Fuel wood | quintal | 0.559 | 465.3617 | 260.14 | |
| 771 | Kerosene oil | litre | 0.568 | 41.88255 | 23.79 | |
| | LABOUR: | | | | | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.75 | 305.00 | 228.75 | |
| 114 | Beldar | day | 5 | 254.00 | 1270.00 | |
| 9999 | Sundries and carriage | L.S. | 53.82 | 1.8 | 96.88 | |
| | TOTAL | | | | 8562.35 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 18.80 | |
| | TOTAL | | | | 8581.14 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 266.72 | |
| | TOTAL | | | | 8847.86 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 324.76 | |
| | Cost of 40.26 metre | | | | 9172.62 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost of 1 metre | | | | 227.83 | |
| | **Add 1% labour cess** | | | | 2.28 | |
| | **Rate** | **per m** | | | **230.10** | |
| **18.82.4** | **150 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 40.26m or 11 nos. joints. | | | | | |
| | Earth work in excavation for dismantling pipes including refilling of excavated earth | | | | | |
| | 1x40.26x55x0.75 m= 16.61 cum | | | | | |
| | Deduct for pipe | | | | | |
| | 1x40.26x 3.1416 x $(0.17)^2/4$=(-) 0.91 cum | | | | | |
| | Total Qty=16.61-0.91=15.70 cum | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 15.7 | 316.47 | 4968.56 | A |
| 2.25 | Rate as per Item Number 2.25 of SH: Earth work | cum | 15.7 | 102.25 | 1605.37 | A |
| | Breaking lead caulked joints,making blockst and stacking | | | | | |
| | MATERIAL: | | | | | |
| 761 | Fuel wood | quintal | 0.653 | 465.3617 | 303.88 | |
| 771 | Kerosene oil | litre | 0.568 | 41.88255 | 23.79 | |
| | LABOUR: | | | | | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 0.88 | 305.00 | 268.40 | |
| 114 | Beldar | day | 5.5 | 254.00 | 1397.00 | |
| 9999 | Sundries and carriage | L.S. | 67.21 | 1.8 | 120.98 | |
| | TOTAL | | | | 8687.98 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 21.14 | |
| | TOTAL | | | | 8709.12 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 299.99 | |
| | TOTAL | | | | 9009.11 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 365.28 | |
| | Cost of 40.26 metre | | | | 9374.39 | |
| | Cost of 1 metre | | | | 232.85 | |
| | **Add 1% labour cess** | | | | 2.33 | |
| | **Rate** | **per m** | | | **235.20** | |
| **18.82.5** | **200 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 40.26m or 11 nos. joints. | | | | | |
| | Earth work in excavationfor dismantling pipes including refilling of excavated earth | | | | | |
| | 1x40.26x60x0.75 m=18.12 cum = 16.56 cum | | | | | |
| | Deduct for pipe | | | | | |
| | 1x40.26x 3.1416 x $(0.222)^2/4$ = (-) 1.56cum | | | | | |
| | Total=16.56cum | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 16.56 | 316.47 | 5240.72 | A |
| 2.25 | Rate as per Item Number 2.25 of SH: Earth work | cum | 16.56 | 102.25 | 1693.31 | A |
| | Breaking lead caulked joints,making blockst and stacking | | | | | |
| | MATERIAL: | | | | | |
| 761 | Fuel wood | quintal | 0.84 | 465.3617 | 390.90 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 771 | Kerosene oil | litre | 0.7576 | 41.88255 | 31.73 | |
| | LABOUR: | | | | | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1.1 | 305.00 | 335.50 | |
| 114 | Beldar | day | 6.5 | 254.00 | 1651.00 | |
| 9999 | Sundries and carriage | L.S. | 67.21 | 1.8 | 120.98 | |
| | TOTAL | | | | 9464.14 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 25.30 | |
| | TOTAL | | | | 9489.44 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 359.04 | |
| | TOTAL | | | | 9848.48 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 437.17 | |
| | Cost of 40.26 metre | | | | 10285.64 | |
| | Cost of 1 metre | | | | 255.48 | |
| | **Add 1% labour cess** | | | | 2.55 | |
| | **Rate** | **per m** | | | **258.00** | |
| **18.82.6** | **250 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 40.26m or 11 nos. joints. | | | | | |
| | Earth work in excavationfor dismantling pipes including refilling of excavated earth | | | | | |
| | 1x40.26x.65x0.75m= 19.63 | | | | | |
| | Deduct for pipe | | | | | |
| | 1x40.26x 3.1416 x $(0.274)^2$ / 4 = (-) 2.37 cum | | | | | |
| | Total = 17.26 cum | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 17.26 | 316.47 | 5462.25 | A |
| 2.25 | Rate as per Item Number 2.25 of SH: Earth work | cum | 17.26 | 102.25 | 1764.88 | A |
| | Breaking lead caulked joints,making blockst and stacking | | | | | |
| | MATERIAL: | | | | | |
| 761 | Fuel wood | quintal | 1.026 | 465.3617 | 477.46 | |
| 771 | Kerosene oil | litre | 1.1365 | 41.88255 | 47.60 | |
| | LABOUR: | | | | | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1.3 | 305.00 | 396.50 | |
| 114 | Beldar | day | 7.5 | 254.00 | 1905.00 | |
| 9999 | Sundries and carriage | L.S. | 80.73 | 1.8 | 145.31 | |
| | TOTAL | | | | 10199.01 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 29.72 | |
| | TOTAL | | | | 10228.73 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 421.72 | |
| | TOTAL | | | | 10650.45 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 513.50 | |
| | Cost of 40.26 metre | | | | 11163.95 | |
| | Cost of 1 metre | | | | 277.30 | |
| | **Add 1% labour cess** | | | | 2.77 | |
| | **Rate** | **per m** | | | **280.10** | |
| **18.82.7** | **300 mm diameter C.I. pipe.** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Details of cost for 40.26m or 11 nos. joints.<br>Earth work in excavationfor dismantling pipes including refilling of excavated earth<br>1x40.26x.65x0.75m= 19.63 = 21.14 cum<br>Deduct for pipe<br>1x40.26x ¼ x 3.1416 x $(0.326)^2$= (-) 3.36 cum<br>Total = 17.79 cum | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 17.79 | 316.47 | 5629.98 | A |
| 2.25 | Rate as per Item Number 2.25 of SH: Earth work<br>Breaking lead caulked joints,making blockst and stacking | cum | 17.79 | 102.25 | 1819.08 | A |
| | MATERIAL: | | | | | |
| 761 | Fuel wood | quintal | 1.12 | 465.3617 | 521.21 | |
| 771 | Kerosene oil | litre | 1.515 | 41.88255 | 63.45 | |
| | LABOUR: | | | | | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1.5 | 305.00 | 457.50 | |
| 114 | Beldar | day | 8.5 | 254.00 | 2159.00 | |
| 9999 | Sundries and carriage | L.S. | 94.12 | 1.8 | 169.42 | |
| | TOTAL | | | | 10819.63 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 33.71 | |
| | TOTAL | | | | 10853.33 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 478.30 | |
| | TOTAL | | | | 11331.64 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | **582.39** | |
| | Cost of 40.26 metre | | | | 11914.02 | |
| | Cost of 1 metre | | | | 295.93 | |
| | **Add 1% labour cess** | | | | 2.96 | |
| | **Rate** | **per m** | | | **298.90** | |
| **18.82.8** | **350 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 40.26m or 11 nos. joints.<br>Earth work in excavationfor dismantling pipes including refilling of excavated earth<br>1x40.26x.75x0.75 m=22.65 cum<br>Deduct for pipe<br>1x40.26x ¼ x 3.1416 x $(0378)^2$ = (-) 4.51cum<br>Total = 18.14 cum | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 18.14 | 316.47 | 5740.74 | A |
| 2.25 | Rate as per Item Number 2.25 of SH: Earth work<br>Breaking lead caulked joints,making blockst and stacking | cum 1 | 18.14 | 102.25 | 1854.87 | A |
| | MATERIAL: | | | | | |
| 761 | Fuel wood | quintal | 1.213 | 465.3617 | 564.48 | |
| 771 | Kerosene oil | litre | 1.515 | 41.88255 | 63.45 | |
| | LABOUR: | | | | | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 1.75 | 305.00 | 533.75 | |
| 114 | Beldar | day | 9.5 | 254 | 2413.00 | |
| 9999 | Sundries and carriage | L.S. | 107.64 | 1.8 | 193.75 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 11364.05 |
| | Add Water Charges @ 1% except on A i.e on | | | | 37.68 |
| | TOTAL | | | | 11401.73 (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 534.76 |
| | TOTAL | | | | 11936.49 (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 651.13 |
| | Cost of 40.26 metre | | | | 12587.62 |
| | Cost of 1 metre | | | | 312.66 |
| | **Add 1% labour cess** | | | | 3.13 |
| | **Rate** | **per m** | | | **315.80** |
| **18.82.9** | **400 mm diameter C.I. pipe.** | | | | |
| | Details of cost for 40.26m or 11 nos. joints. | | | | |
| | Earth work in excavationfor dismantling pipes including refilling of excavated earth | | | | |
| | 1x40.26x.80x0.75 m=24.16 cum | | | | |
| | Deduct for pipe | | | | |
| | 1x40.26x ¼ x 3.1416 x $(0.429)^2$ = (-) 5.93cum | | | | |
| | Total = 18.23 cum | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 18.23 | 316.47 | 5769.22 A |
| 2.25 | Rate as per Item Number 2.25 of SH: Earth work | cum | 18.23 | 102.25 | 1864.07 A |
| | Breaking lead caulked joints,making blockst and stacking | | | | |
| | MATERIAL: | | | | |
| 761 | Fuel wood | quintal | 1.306 | 465.3617 | 607.76 |
| 771 | Kerosene oil | litre | 1.894 | 41.88255 | 79.33 |
| | LABOUR: | | | | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 2 | 305.00 | 610.00 |
| 114 | Beldar | day | 10.5 | 254.00 | 2667.00 |
| 9999 | Sundries and carriage | L.S. | 121.03 | 1.8 | 217.85 |
| | TOTAL | | | | 11815.23 |
| | Add Water Charges @ 1% except on A i.e on | | | | 41.82 |
| | TOTAL | | | | 11857.05 (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 593.44 |
| | TOTAL | | | | 12450.49 (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 722.58 |
| | Cost of 40.26 metre | | | | 13173.07 |
| | Cost of 1 metre | | | | 327.20 |
| | **Add 1% labour cess** | | | | 3.27 |
| | **Rate** | **per m** | | | **330.50** |
| **18.82.10** | **450 mm diameter C.I. pipe.** | | | | |
| | Details of cost for 40.26m or 11 nos. joints. | | | | |
| | Earth work in excavationfor dismantling pipes including refilling of excavated earth | | | | |
| | 1x40.26x.85x0.75 m=25.67 cum. | | | | |
| | Deduct for pipe | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 1x40.26x ¼ x 3.1416 x (0.48)² = (-) 7.29cum | | | | | |
| | Total =18.38 cum | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 18.38 | 316.47 | 5816.69 | A |
| 2.25 | Rate as per Item Number 2.25 of SH: Earth work | cum | 18.38 | 102.25 | 1879.41 | A |
| | Breaking lead caulked joints,making blockst and stacking | | | | | |
| | MATERIAL: | | | | | |
| 761 | Fuel wood | quintal | 1.4 | 465.3617 | 651.51 | |
| 771 | Kerosene oil | litre | 2.273 | 41.88255 | 95.20 | |
| | LABOUR: | | | | | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 2.25 | 305.00 | 686.25 | |
| 114 | Beldar | day | 11.5 | 254.00 | 2921.00 | |
| 9999 | Sundries and carriage | L.S. | 134.55 | 1.8 | 242.19 | |
| | TOTAL | | | | 12292.25 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 45.96 | |
| | TOTAL | | | | 12338.21 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 652.22 | |
| | TOTAL | | | | 12990.42 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 794.15 | |
| | Cost of 40.26 metre | | | | 13784.57 | |
| | Cost of 1 metre | | | | 342.39 | |
| | **Add 1% labour cess** | | | | 3.42 | |
| | **Rate** | **per m** | | | **345.80** | |
| **18.82.11** | **500 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 40.26m or 11 nos. joints. | | | | | |
| | Earth work in excavationfor dismantling pipes including refilling of excavated earth | | | | | |
| | 1x40.26x.90x0.75m=27.18cum | | | | | |
| | Deduct for pipe | | | | | |
| | 1x40.26x ¼ x 3.1416 x (0.532)² = (-) 8.94cum | | | | | |
| | Total = 18.24cum | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 18.24 | 316.47 | 5772.39 | A |
| 2.25 | Rate as per Item Number 2.25 of SH: Earth work | cum | 18.24 | 102.25 | 1865.09 | A |
| | Breaking lead caulked joints,making blockst and stacking | | | | | |
| | MATERIAL: | | | | | |
| 761 | Fuel wood | quintal | 1.492 | 465.3617 | 694.32 | |
| 771 | Kerosene oil | litre | 2.652 | 41.88255 | 111.07 | |
| | LABOUR: | | | | | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 2.5 | 305.00 | 762.50 | |
| 114 | Beldar | day | 12.5 | 254 | 3175.00 | |
| 9999 | Sundries and carriage | L.S. | 147.94 | 1.8 | 266.29 | |
| | TOTAL | | | | 12646.66 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 50.09 | |
| | TOTAL | | | | 12696.76 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 710.83 | |
| | TOTAL | | | | 13407.58 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 865.52 | |
| | Cost of 40.26 metre | | | | 14273.10 | |
| | Cost of 1 metre | | | | 354.52 | |
| | **Add 1% labour cess** | | | | 3.55 | |
| | **Rate** | **per m** | | | **358.10** | |
| **18.82.12** | **600 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for 40.26m or 11 nos. joints. | | | | | |
| | Earth work in excavationfor dismantling pipes including refilling of excavated earth | | | | | |
| | 1x40.26x1.00x0.75 m=30.20 cum | | | | | |
| | Deduct for pipe | | | | | |
| | 1x40.26x ¼ x 3.1416 x $(0.635)^2$ = (-) 12.76cum | | | | | |
| | Total = 17.44 cum | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 17.44 | 316.47 | 5519.21 | A |
| 2.25 | Rate as per Item Number 2.25 of SH: Earth work | cum | 17.44 | 102.25 | 1783.29 | A |
| | Breaking lead caulked joints,making blockst and stacking | | | | | |
| | MATERIAL: | | | | | |
| 761 | Fuel wood | quintal | 1.68 | 465.3617 | 781.81 | |
| 771 | Kerosene oil | litre | 3.41 | 41.88255 | 142.82 | |
| | LABOUR: | | | | | |
| 117 | Assistant Fitter or 2nd class Fitter | day | 3 | 305.00 | 915.00 | |
| 114 | Beldar | day | 14.5 | 254 | 3683.00 | |
| 9999 | Sundries and carriage | L.S. | 174.85 | 1.8 | 314.73 | |
| | TOTAL | | | | 13139.86 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 58.37 | |
| | TOTAL | | | | 13198.23 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | 828.35 | |
| | TOTAL | | | | 14026.58 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 1008.61 | |
| | Cost of 40.26 metre | | | | 15035.20 | |
| | Cost of 1 metre | | | | 373.45 | |
| | **Add 1% labour cess** | | | | 3.73 | |
| | **Rate** | **per m** | | | **377.20** | |
| **18.83** | **Labour for cutting C.I. pipe with steel saw.** | | | | | |
| **18.83.1** | **80 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for one cut. | | | | | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.06 | 348.00 | 20.88 | |
| 114 | Beldar | day | 0.06 | 254.00 | 15.24 | |
| 9999 | Sundries | L.S. | 1.82 | 1.8 | 3.28 | |
| | TOTAL | | | | 39.40 | |
| | Add Water Charges @ 1% | | | | 0.39 | |
| | TOTAL | | | | 39.79 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 5.59 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 45.38 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 6.81 | |
| | Cost of each cut | | | | 52.19 | |
| | **Add 1% labour cess** | | | | 0.52 | |
| | **Rate** | | **Each** | | **52.70** | |
| **18.83.2** | **100 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for one cut. | | | | | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.08 | 348.00 | 27.84 | |
| 114 | Beldar | day | 0.08 | 254.00 | 20.32 | |
| 9999 | Sundries | L.S. | 2.73 | 1.80 | 4.91 | |
| | TOTAL | | | | 53.07 | |
| | Add Water Charges @ 1% | | | | 0.53 | |
| | TOTAL | | | | 53.60 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 7.53 | |
| | TOTAL | | | | 61.14 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 9.17 | |
| | Cost of each cut | | | | 70.31 | |
| | **Add 1% labour cess** | | | | 0.70 | |
| | **Rate** | | **Each** | | **71.00** | |
| **18.83.3** | **125 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for one cut. | | | | | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.11 | 348.00 | 38.28 | |
| 114 | Beldar | day | 0.11 | 254 | 27.94 | |
| 9999 | Sundries | L.S. | 4.42 | 1.8 | 7.96 | |
| | TOTAL | | | | 74.18 | |
| | Add Water Charges @ 1% | | | | 0.74 | |
| | TOTAL | | | | 74.92 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 10.53 | |
| | TOTAL | | | | 85.44 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 12.82 | |
| | Cost of each cut | | | | 98.26 | |
| | **Add 1% labour cess** | | | | 0.98 | |
| | **Rate** | | **Each** | | **99.20** | |
| **18.83.4** | **150 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for one cut. | | | | | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.15 | 348.00 | 52.20 | |
| 114 | Beldar | day | 0.15 | 254 | 38.10 | |
| 9999 | Sundries | L.S. | 5.33 | 1.8 | 9.59 | |
| | TOTAL | | | | 99.89 | |
| | Add Water Charges @ 1% | | | | 1.00 | |
| | TOTAL | | | | 100.89 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 14.18 | |
| | TOTAL | | | | 115.07 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 17.26 | |
| | Cost of each cut | | | | 132.33 | |
| | **Add 1% labour cess** | | | | 1.32 | |
| | **Rate** | | **Each** | | **133.70** | |
| **18.83.5** | **200 mm diameter C.I. pipe.** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Details of cost for one cut. | | | | |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.2 | 348.00 | 69.60 |
| 114 | Beldar | day | 0.2 | 254.00 | 50.80 |
| 9999 | Sundries | L.S. | 7.15 | 1.80 | 12.87 |
| | TOTAL | | | | 133.27 |
| | Add Water Charges @ 1% | | | | 1.33 |
| | TOTAL | | | | 134.60 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 18.91 |
| | TOTAL | | | | 153.51 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 23.03 |
| | Cost of each cut | | | | 176.54 |
| | **Add 1% labour cess** | | | | 1.77 |
| | **Rate** | | **Each** | | **178.30** |
| **18.83.6** | **250 mm diameter C.I. pipe.** | | | | |
| | Details of cost for one cut. | | | | |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.25 | 348.00 | 87.00 |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 |
| 9999 | Sundries | L.S. | 8.06 | 1.80 | 14.51 |
| | TOTAL | | | | 165.01 |
| | Add Water Charges @ 1% | | | | 1.65 |
| | TOTAL | | | | 166.66 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 23.42 |
| | TOTAL | | | | 190.07 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 28.51 |
| | Cost of each cut | | | | 218.58 |
| | **Add 1% labour cess** | | | | 2.19 |
| | **Rate** | | **Each** | | **220.80** |
| **18.83.7** | **300 mm diameter C.I. pipe.** | | | | |
| | Details of cost for one cut. | | | | |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.3 | 348.00 | 104.40 |
| 114 | Beldar | day | 0.3 | 254.00 | 76.20 |
| 9999 | Sundries | L.S. | 9.88 | 1.80 | 17.78 |
| | TOTAL | | | | 198.38 |
| | Add Water Charges @ 1% | | | | 1.98 |
| | TOTAL | | | | 200.37 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 28.15 |
| | TOTAL | | | | 228.52 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 34.28 |
| | Cost of each cut | | | | 262.80 |
| | **Add 1% labour cess** | | | | 2.63 |
| | **Rate** | | **Each** | | **265.40** |
| **18.83.8** | **350 mm diameter C.I. pipe.** | | | | |
| | Details of cost for one cut. | | | | |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 0.35 | 348.00 | 121.80 |
| 114 | Beldar | day | 0.35 | 254.00 | 88.90 |
| 9999 | Sundries | L.S. | 10.79 | 1.80 | 19.42 |
| | TOTAL | | | | 230.12 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | 2.30 | |
| | TOTAL | | | | 232.42 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 32.66 | |
| | TOTAL | | | | 265.08 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 39.76 | |
| | Cost of each cut | | | | 304.84 | |
| | **Add 1% labour cess** | | | | 3.05 | |
| | **Rate** | | **Each** | | **307.90** | |
| **18.83.9** | **400 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for one cut. | | | | | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.4 | 348.00 | 139.20 | |
| 114 | Beldar | day | 0.4 | 254.00 | 101.60 | |
| 9999 | Sundries | L.S. | 12.48 | 1.80 | 22.46 | |
| | TOTAL | | | | 263.26 | |
| | Add Water Charges @ 1% | | | | 2.63 | |
| | TOTAL | | | | 265.90 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 37.36 | |
| | TOTAL | | | | 303.26 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 45.49 | |
| | Cost of each cut | | | | 348.74 | |
| | **Add 1% labour cess** | | | | 3.49 | |
| | **Rate** | | **Each** | | **352.20** | |
| **18.83.10** | **450 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for one cut. | | | | | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.45 | 348.00 | 156.60 | |
| 114 | Beldar | day | 0.45 | 254.00 | 114.30 | |
| 9999 | Sundries | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 295.24 | |
| | Add Water Charges @ 1% | | | | 2.95 | |
| | TOTAL | | | | 298.19 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 41.90 | |
| | TOTAL | | | | 340.08 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 51.01 | |
| | Cost of each cut | | | | 391.10 | |
| | **Add 1% labour cess** | | | | 3.91 | |
| | **Rate** | | **Each** | | **395.00** | |
| **18.83.11** | **500 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for one cut. | | | | | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.5 | 348.00 | 174.00 | |
| 114 | Beldar | day | 0.5 | 254 | 127.00 | |
| 9999 | Sundries | L.S. | 15.21 | 1.8 | 27.38 | |
| | TOTAL | | | | 328.38 | |
| | Add Water Charges @ 1% | | | | 3.28 | |
| | TOTAL | | | | 331.66 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 46.60 | |
| | TOTAL | | | | 378.26 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 56.74 | |
| | Cost of each cut | | | | 435.00 | |
| | Add 1% labour cess | | | | 4.35 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Rate | Each | | | **439.30** | |
| **18.83.12** | **600 mm diameter C.I. pipe.** | | | | | |
| | Details of cost for one cut. | | | | | |
| | LABOUR: | | | | | |
| 116 | Fitter (grade 1) | day | 0.6 | 348.00 | 208.80 | |
| 114 | Beldar | day | 0.6 | 254 | 152.40 | |
| 9999 | Sundries | L.S. | 16.12 | 1.8 | 29.02 | |
| | TOTAL | | | | 390.22 | |
| | Add Water Charges @ 1% | | | | 3.90 | |
| | TOTAL | | | | 394.12 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 55.37 | |
| | TOTAL | | | | 449.49 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 67.42 | |
| | Cost of each cut | | | | 516.92 | |
| | **Add 1% labour cess** | | | | 5.17 | |
| | **Rate** | **Each** | | | **522.10** | |
| **18.84** | **Providing & fixing chrome plated brass battery based infrared sensor operated pillar cock, having foam flow technology.** | | | | | |
| **18.84.1** | **15 mm nominal bore.** | | | | | |
| | Details of cost for one No. | | | | | |
| | MATERIAL: | | | | | |
| 3327 | 15 mm Battery Based Sensor Pillar Cock | each | 1 | 5398.20 | 5398.20 | |
| 9999 | Carriage of material and fixing charges | L.S. | 8.06 | 1.8 | 14.51 | |
| | TOTAL | | | | 5412.70 | |
| | Add Water Charges @ 1% | | | | **54.13** | |
| | TOTAL | | | | 5466.83 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 768.09 | |
| | TOTAL | | | | 6234.92 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 935.24 | |
| | Cost of each | | | | 7170.16 | |
| | **Add 1% labour cess** | | | | 71.70 | |
| | **Rate** | **Each** | | | **7241.90** | |
| *18.85* | **Providing and fixing Stainless Steel pipe and fitting of grade AISI 304 as per JIS standard 3448 complete with press type fitting (fitting shall be paid for separately)i/c fixing of the pipe with clamps at 1.00 m spacing including cutting and making good the walls including testing of joints complete as per direction of Engineer -in-charge. (The pipe length inserted in the fitting shall not be measured for payment).Inernal work - Exposed on wall.** | | | | | |
| **18.85.1** | **15.88 mm outer dia pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8779 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 15.88 mm outer dia | metre | 10 | 132.16 | 1321.63 | X |
| 2272 | Carriage of Stainless Steel pipes below 100 mm dia | tonne | 0.003 | 96.07 | 0.29 | |
| | Add 3% for pipe inserted into fitting and wastage etc. on X | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | on X = 3 X 1321.62723404255 / 100=39.6488170212766 | | | | 39.65 | |
| 9999 | Cement , sand and grit etc. | L.S. | 2.73 | 1.8 | 4.91 | |
| | Add 2% for special T&P and sundries etc. on X | | | | | |
| | on X = 2 X 1321.62723404255 / 100=26.4325446808511 | | | | 26.43 | |
| | LABOUR: | | | | | |
| '0116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 0117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 223.00 | 147.18 | |
| '0114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 1822.57 | |
| | Add Water Charges @ 1% | | | | 18.23 | |
| | TOTAL | | | | 1840.80 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 258.63 | |
| | TOTAL | | | | 2099.43 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 314.91 | |
| | Cost of 10 metre | | | | 2414.34 | |
| | Cost of 1 metre | | | | 241.43 | |
| | add 1% labour cess | | | | 2.41 | |
| | **Say** | **per m** | | | **243.80** | |
| 18.85.2 | 22.22 mm outer dia Pipe. | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8780 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 22.22 mm outer dia | metre | 10 | 236.40 | 2364.04 | X |
| | Add 3% for pipe inserted into fitting and wastage etc. on X | | | | | |
| | on X = 3 X 2364.03744680851 / 100=70.9211234042553 | | | | 70.92 | |
| 2272 | Carriage of Stainless Steel pipes below 100 mm dia | tonne | 0.00529 | 96.07 | 0.51 | |
| 9999 | Cement , sand and grit etc. | L.S. | 2.73 | 1.8 | 4.91 | |
| | Add 2% for special T&P and sundries etc. on X | | | | | |
| | on X = 2 X 2364.03744680851 / 100=47.2807489361702 | | | | 47.28 | |
| | LABOUR: | | | | | |
| '0116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 0117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 223.00 | 147.18 | |
| '0114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 2917.32 | |
| | Add Water Charges @ 1% | | | | 29.17 | |
| | TOTAL | | | | 2946.49 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 413.98 | |
| | TOTAL | | | | 3360.48 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 504.07 | |
| | Cost of 10 metre | | | | 3864.55 | |
| | Cost of 1 metre | | | | 386.45 | |
| | add 1% labour cess | | | | 3.86 | |
| | Say | | | | **390.30** | |
| **18.85.3** | **28.58 mm outer dia Pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8781 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 28.58 mm outer dia | metre | 10 | 301.55 | 3015.54 | X |
| | Add 3% for pipe inserted into fitting and wastage etc. on X | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | on X = 3 X 3015.54382978723 / 100=90.466314893617 | | | | 90.47 | |
| 2272 | Carriage of Stainless Steel pipes below 100 mm dia | tonne | 0.0069 | 96.07 | 0.66 | |
| 9999 | Cement , sand and grit etc. | L.S. | 4.16 | 1.8 | 7.49 | |
| | Add 2% for special T&P and sundries etc. on X | | | | | |
| | on X = 2 X 3015.54382978723 / 100=60.3108765957447 | | | | 60.31 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 0117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 223.00 | 147.18 | |
| 0114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 3604.13 | |
| | Add Water Charges @ 1% | | | | 36.04 | |
| | TOTAL | | | | 3640.17 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 511.44 | |
| | TOTAL | | | | 4151.61 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 622.74 | |
| | Cost of 10 metre | | | | 4774.36 | |
| | Cost of 1 metre | | | | 477.44 | |
| | add 1% labour cess | | | | 4.77 | |
| | Say | | | | **482.20** | |
| **18.85.4** | **34.00 mm outer dia Pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8782 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 34.00 mm outer dia | metre | 10 | 429.99 | 4299.94 | X |
| | Add 3% for pipe inserted into fitting and wastage etc. on X | | | | | |
| | on X = 3 X 4299.94212765957 / 100=128.998263829787 | | | | 129.00 | |
| 2272 | Carriage of Stainless Steel pipes below 100 mm dia | tonne | 0.0098 | 96.07 | 0.94 | |
| 9999 | Cement , sand and grit etc. | L.S. | 4.16 | 1.8 | 7.49 | |
| | Add 2% for special T&P and sundries etc. on X | | | | | |
| | on X = 2 X 4299.94212765957 / 100=85.9988425531915 | | | | 86.00 | |
| LABOUR: | | | | | | |
| 0116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 0117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 0114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 5007.15 | |
| | Add Water Charges @ 1% | | | | 50.07 | |
| | TOTAL | | | | 5057.22 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 710.54 | |
| | TOTAL | | | | 5767.76 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 865.16 | |
| | Cost of 10 metre | | | | 6632.92 | |
| | Cost of 1 metre | | | | 663.29 | |
| | add 1% labour cess | | | | 6.63 | |
| | Say | per m | | | **669.90** | |
| **18.85.5** | **42.70 mm outer dia Pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8783 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 42.70 mm outer dia | metre | 10 | 445.82 | 4458.17 | X |
| | Add 3% for pipe inserted into fitting and | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | wastage etc. on X | | | | | |
| | on X = 3 X 4458.16510638298 / 100=133.744953191489 | | | | 133.74 | |
| 2272 | Carriage of Stainless Steel pipes below 100 mm dia | tonne | 0.0124 | 96.07 | 1.19 | |
| 9999 | Cement , sand and grit etc. | L.S. | 5.33 | 1.8 | 9.59 | |
| | Add 2% for special T&P and sundries etc. on X | | | | | |
| | on X = 2 X 4458.16510638298 / 100=89.1633021276595 | | | | 89.16 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 0117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 0114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 5175.64 | |
| | Add Water Charges @ 1% | | | | 51.76 | |
| | TOTAL | | | | 5227.40 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 734.45 | |
| | TOTAL | | | | 5961.84 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 894.28 | |
| | Cost of 10 metre | | | | 6856.12 | |
| | Cost of 1 metre | | | | 685.61 | |
| | add 1% labour cess | | | | 6.86 | |
| | Say | | | | **692.50** | |
| **18.85.6** | **48.60 mm outer dia Pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8701 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 48.60 mm outer dia | metre | 10 | 543.54 | 5435.42 | X |
| | Add 3% for pipe inserted into fitting and wastage etc. on X | | | | | |
| | on X = 3 X 5435.42468085106 / 100=163.062740425532 | | | | 163.06 | |
| 2272 | Carriage of Stainless Steel pipes below 100 mm dia | tonne | 0.0142 | 96.07 | 1.36 | |
| 9999 | Cement , sand and grit etc. | L.S. | 5.33 | 1.8 | 9.59 | |
| | Add 2% for special T&P and sundries etc. | | | | | |
| | on X =2 X 5435.42468085106 / 100=108.708493617021 | | | | 108.71 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 0117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 0114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 6201.93 | |
| | Add Water Charges @ 1% | | | | 62.02 | |
| | TOTAL | | | | 6263.95 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 880.09 | |
| | TOTAL | | | | 7144.04 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1071.61 | |
| | Cost of 10.00 metre | | | | 8215.64 | |
| | Cost of 1 metre | | | | 821.56 | |
| | add 1% labour cess | | | | 8.22 | |
| | Say | | | | **829.80** | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **18.86** | **Providing and fixing Stainless Steel pipe and fitting of grade AISI 304 as per JIS standard 3448 complete with press type fitting (fitting shall be paid for separately) i/c fixing of the pipe with clamps at 1.00m spacing and also including cutting of chases and making good the walls including testing of joints complete as per direction of Engineer -in-charge. (The pipe length inserted in the fitting shall not be measured for payment).** | | | | | |
| | **Internal work - Concealed Pipe.** | | | | | |
| **18.86.1** | **15.88 mm outer dia .Pipes.** | | | | | |
| | Details of cost for 10.00 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8779 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 15.88 mm outer dia | metre | 10.00 | 132.16 | 1321.63 | X |
| | Add 3% for pipe inserted into fitting and wastage etc. on X | | | | | |
| | on X = 3 X 1321.62723404255 / 100=39.6488170212766 | | | | 39.65 | |
| 2272 | Carriage of Stainless Steel pipes below 100 mm dia | tonne | 0.00 | 96.07 | 0.29 | |
| | Making chases upto 7.5x7.5 cm.in walls and making good the same | | | | | |
| 18.78 | Rate as per Item Number 18.78 of SH: Water supply | metre | 10.00 | 72.53 | 725.34 | A |
| | Add 2% for special T&P and sundries etc. | | | | | |
| | on X =2 X 1321.62723404255 / 100=26.4325446808511 | | | | 26.43 | |
| | **LABOUR:** | | | | | |
| 0116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 0117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 0114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 2597.12 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 18.72 | |
| | TOTAL | | | | 2615.84 | (Z) |
| | Add GST 12% on "Z" except A (multiplying factor 0.1405) | | | | 265.61 | |
| | TOTAL | | | | 2881.45 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 323.42 | |
| | Cost of 10.00 metre | | | | 3204.87 | |
| | Cost of 1 metre | | | | 320.49 | |
| | add 1% labour cess | | | | 3.20 | |
| | Say | | | | 323.70 | |
| **18.86.2** | **22.22 mm Outer dia pipes.** | | | | | |
| | Details of cost for 10.00 metre. | | | | | |
| | MATERIAL: | | | | | |
| 8780 | SS pipe 304 grades with press fit technology as per JIS 3448 standard 22.22 mm outer dia | metre | 10.00 | 236.40 | 2364.04 | X |
| | Add 3% for pipe inserted into fitting and wastage etc. on X | | | | | |
| | on X = 3 X 2364.03744680851 / 100=70.9211234042553 | | | | 70.92 | |
| 2272 | Carriage of Stainless Steel pipes below | tonne | 0.01 | 96.07 | 0.51 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 100 mm dia<br>Making chases upto 7.5x7.5 cm.in walls and making good the same | | | | | |
| 18.78 | Rate as per Item Number 18.78 of SH: Water supply | metre | 10.00 | 72.53 | 725.34 | A |
| | Add 2% for special T&P and sundries etc. on X =2 X 2364.03744680851 / 100=47.2807489361702 | | | | 47.28 | |
| | LABOUR: | | | | | |
| 0116 | Fitter (grade 1) | day | 0.33 | 348.00 | 114.84 | |
| 0117 | Assistant Fitter or 2nd class Fitter | day | 0.66 | 305.00 | 201.30 | |
| 0114 | Beldar | day | 0.66 | 254.00 | 167.64 | |
| | TOTAL | | | | 3691.87 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 29.67 | |
| | TOTAL | | | | 3721.53 | (Z) |
| | Add GST 12% on "Z" except A (multiplying factor 0.1405) | | | | 420.97 | |
| | TOTAL | | | | 4142.50 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 512.57 | |
| | Cost of 10 metre | | | | 4655.07 | |
| | Cost of 1 metre | | | | 465.51 | |
| | add 1% labour cess | | | | 4.66 | |
| | Say | | | | **470.20** | |
| **18.87** | **Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per dirction of Engineerin-charge.** | | | | | |
| | **Coupling/Socket.** | | | | | |
| **18.87.1** | **For 15.88 mm outer dia pipe.** | | | | | |
| | Details of cost for One no. | | | | | |
| | **MATERIAL:** | | | | | |
| 8702 | Coupling/Socket fittings for 15.88 mm outer dia SS pipe | each | 1 | 39.09 | 39.09 | |
| | TOTAL | | | | 39.09 | |
| | Add Water Charges @ 1% | | | | 0.39 | |
| | TOTAL | | | | 39.48 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 5.55 | |
| | TOTAL | | | | 45.03 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 6.75 | |
| | Cost of each | | | | 51.78 | |
| | add 1% labour cess | | | | 0.52 | |
| | Say | | | | **52.30** | |
| **18.87.2** | **For 22.22 mm outer dia pipe.** | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8786 | Coupling/Socket fittings for 22.22 mm outer dia SS pipe | each | 1 | 58.64 | 58.64 | |
| | TOTAL | | | | 58.64 | |
| | Add Water Charges @ 1% | | | | 0.59 | |
| | TOTAL | | | | 59.22 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 8.32 | |
| | TOTAL | | | | 67.54 | (Y) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add CPOH @ 15% on "Y" | | | | 10.13 |
| | Cost of each | | | | 77.67 |
| | add 1% labour cess | | | | 0.78 |
| | Say | | | | **78.50** |
| **18.87.3** | **For 28.58 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8787 | Coupling/Socket fittings for 28.58 mm outer dia SS pipe | each | 1 | 82.83 | 82.83 |
| | TOTAL | | | | 82.83 |
| | Add Water Charges @ 1 | | | | 0.83 |
| | TOTAL | | | | 83.66 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 11.75 |
| | TOTAL | | | | 95.42 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 14.31 |
| | Cost of each | | | | 109.73 |
| | add 1% labour cess | | | | 1.10 |
| | Say | | | | **110.80** |
| **18.87.4** | **For 34.00 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8788 | Coupling/Socket fittings for 34.00 mm outer dia SS pipe | each | 1 | 121.92 | 121.92 |
| | TOTAL | | | | 121.92 |
| | Add Water Charges @ 1% | | | | 1.22 |
| | TOTAL | | | | 123.14 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 17.30 |
| | TOTAL | | | | 140.45 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 21.07 |
| | Cost of each | | | | 161.51 |
| | add 1% labour cess | | | | 1.62 |
| | Say | | | | **163.10** |
| **18.87.5** | **For 42.70 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8789 | Coupling/Socket fittings for 42.70 mm outer dia SS pipe | each | 1 | 147.05 | 147.05 |
| | TOTAL | | | | 147.05 |
| | Add Water Charges @ 1% | | | | 1.47 |
| | TOTAL | | | | 148.52 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 20.87 |
| | TOTAL | | | | 169.39 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 25.41 |
| | Cost of each | | | | 194.80 |
| | add 1% labour cess | | | | 1.95 |
| | Say | | | | 196.75 |
| | | | | | **198.70** |
| **18.87.6** | **For 48.60 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8790 | Coupling/Socket fittings for 48.60 mm outer dia SS pipe | each | 1 | 167.53 | 167.53 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 167.53 |
| | Add Water Charges @ 1% | | | | 1.68 |
| | TOTAL | | | | 169.21 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 23.77 |
| | TOTAL | | | | 192.98 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 28.95 |
| | Cost of each | | | | 221.93 |
| | add 1% labour cess | | | | 2.22 |
| | Say | | | | **224.10** |
| **18.88** | **Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per dirction of Engineerin-charge.** | | | | |
| | **Reducer.** | | | | |
| **18.88.1** | **For 22.22 mm x 15.88 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8791 | Reducer for 22.22 mm X 15.88 mm outer Dia SS pipe | each | 1 | 95.86 | 95.86 |
| | TOTAL | | | | 95.86 |
| | Add Water Charges @ 1% | | | | 0.96 |
| | TOTAL | | | | 96.82 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 13.60 |
| | TOTAL | | | | 110.43 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 16.56 |
| | Cost of each | | | | 126.99 |
| | add 1% labour cess | | | | 1.27 |
| | Say | | | | **128.30** |
| **18.88.2** | **For 28.58 mm x 15.88 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8792 | Reducer for 28.58 mm X 15.88 mm outer Dia SS pipe | each | 1 | 131.23 | 131.23 |
| | TOTAL | | | | 131.23 |
| | Add Water Charges @ 1% | | | | 1.31 |
| | TOTAL | | | | 132.54 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 18.62 |
| | TOTAL | | | | 151.17 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 22.68 |
| | Cost of each | | | | 173.84 |
| | add 1% labour cess | | | | 1.74 |
| | Say | | | | **175.60** |
| **18.88.3** | **For 28.58 mm x 22.22 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8793 | Reducer for 28.58 mm X 22.22 mm outer Dia SS pipe | each | 1 | 134.95 | 134.95 |
| | TOTAL | | | | 134.95 |
| | Add Water Charges @ 1% | | | | 1.35 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 136.30 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 19.15 | |
| | TOTAL | | | | 155.46 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 23.32 | |
| | Cost of each | | | | 178.77 | |
| | add 1% labour cess | | | | 1.79 | |
| | Say | | | | **180.60** | |
| **18.88.4** | **For 34.00 mm x 15.88 mm outer dia pipe.** | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8794 | Reducer for 34.00 mm X 15.88 mm outer Dia SS pipe | each | 1.00 | 171.25 | 171.25 | |
| | TOTAL | | | | 171.25 | |
| | Add Water Charges @ 1% | | | | 1.71 | |
| | TOTAL | | | | 172.97 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 24.30 | |
| | TOTAL | | | | 197.27 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 29.59 | |
| | Cost of each | | | | 226.86 | |
| | add 1% labour cess | | | | 2.27 | |
| | Say | | | | 229.10 | |
| **18.88.5** | **For 34.00 mm x 22.22 mm outer dia pipe.** | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8795 | Reducer for 34.00 mm X 22.22 mm outer Dia SS pipe | each | 1.00 | 174.05 | 174.05 | |
| | TOTAL | | | | 174.05 | |
| | Add Water Charges @ 1% | | | | 1.74 | |
| | TOTAL | | | | 175.79 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 24.70 | |
| | TOTAL | | | | 200.48 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 30.07 | |
| | Cost of each | | | | 230.56 | |
| | add 1% labour cess | | | | 2.31 | |
| | Say | | | | **232.90** | |
| **18.88.6** | **For 34.00 mm x 28.58 mm outer dia pipe.** | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8796 | Reducer for 34.00 mm X 28.58 mm outer Dia SS pipe | each | 1.00 | 176.84 | 176.84 | |
| | TOTAL | | | | 176.84 | |
| | Add Water Charges @ 1% | | | | 1.77 | |
| | TOTAL | | | | 178.61 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 25.09 | |
| | TOTAL | | | | 203.70 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 30.55 | |
| | Cost of each | | | | 234.25 | |
| | add 1% labour cess | | | | 2.34 | |
| | Say | | | | **236.60** | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **18.88.7** | **For 42.70 mm x 15.88 mm outer dia pipe,** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8797 | Reducer for 42.70 mm X 15.88 mm outer Dia SS pipe | each | 1.00 | 334.13 | 334.13 |
| | TOTAL | | | | 334.13 |
| | Add Water Charges @ 1% | | | | 3.34 |
| | TOTAL | | | | 337.47 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 47.41 |
| | TOTAL | | | | 384.89 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 57.73 |
| | Cost of each | | | | 442.62 |
| | add 1% labour cess | | | | 4.43 |
| | Say | | | | **447.00** |
| **18.88.8** | **For 42.70 mm x 22.22 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8798 | Reducer for 42.70 mm X 22.22 mm outer Dia SS pipe | each | 1 | 336.92 | 336.92 |
| | TOTAL | | | | 336.92 |
| | Add Water Charges @ 1% | | | | 3.37 |
| | TOTAL | | | | 340.29 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 47.81 |
| | TOTAL | | | | 388.10 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 58.22 |
| | Cost of each | | | | 446.32 |
| | add 1% labour cess | | | | 4.46 |
| | Say | | | | **450.80** |
| **18.88.9** | **For 42.70 mm x 28.58 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8799 | Reducer for 42.70 mm X 28.58 mm outer Dia SS pipe | each | 1 | 336.92 | 336.92 |
| | TOTAL | | | | 336.92 |
| | Add Water Charges @ 1% | | | | 3.37 |
| | TOTAL | | | | 340.29 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 47.81 |
| | TOTAL | | | | 388.10 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 58.22 |
| | Cost of each | | | | 446.32 |
| | add 1% labour cess | | | | 4.46 |
| | Say | | | | **450.80** |
| **18.88.10** | **For 42.70 mm x 34.00 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8800 | Reducer for 42.70 mm X 34.00 mm outer Dia SS pipe | each | 1.00 | 360.19 | 360.19 |
| | TOTAL | | | | 360.19 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | 3.60 |
| | TOTAL | | | | 363.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 51.11 |
| | TOTAL | | | | 414.90 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 62.24 |
| | Cost of each | | | | 477.14 |
| | add 1% labour cess | | | | 4.77 |
| | Say | | | | **481.90** |
| **18.88.11** | **For 48.60 mm x 15.88 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8801 | Reducer for 48.60 mm X 15.88 mm outer Dia SS pipe | each | 1.00 | 381.60 | 381.60 |
| | TOTAL | | | | 381.60 |
| | Add Water Charges @ 1% | | | | 3.82 |
| | TOTAL | | | | 385.41 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 54.15 |
| | TOTAL | | | | 439.56 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 65.93 |
| | Cost of each | | | | 505.50 |
| | add 1% labour cess | | | | 5.05 |
| | Say | | | | **510.60** |
| **18.88.12** | **For 48.60 mm x 22.22 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8802 | Reducer for 48.60 mm X 22.22 mm outer Dia SS pipe | each | 1.00 | 381.60 | 381.60 |
| | TOTAL | | | | 381.60 |
| | Add Water Charges @ 1% | | | | 3.82 |
| | TOTAL | | | | 385.41 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 54.15 |
| | TOTAL | | | | 439.56 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 65.93 |
| | Cost of each | | | | 505.50 |
| | add 1% labour cess | | | | 5.05 |
| | Say | | | | **510.60** |
| **18.88.13** | **For 48.60 mm x 28.58 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8803 | Reducer for 48.60 mm X 28.58 mm outer Dia SS pipe | each | 1.00 | 381.60 | 381.60 |
| | TOTAL | | | | 381.60 |
| | Add Water Charges @ 1% | | | | 3.82 |
| | TOTAL | | | | 385.41 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 54.15 |
| | TOTAL | | | | 439.56 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 65.93 |
| | Cost of each | | | | 505.50 |
| | add 1% labour cess | | | | 5.05 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Say | | | | **510.60** |
| **18.88.14** | **For 48.60 mm x 34.00 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8804 | Reducer for 48.60 mm X 34.00 mm outer each 1.00 479.00 479.00 | each | 1 | 381.60 | 381.60 |
| | Dia SS pipe | | | | |
| | TOTAL | | | | 381.60 |
| | Add Water Charges @ 1% | | | | 3.82 |
| | TOTAL | | | | 385.41 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 54.15 |
| | TOTAL | | | | 439.56 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 65.93 |
| | Cost of each | | | | 505.50 |
| | add 1% labour cess | | | | 5.05 |
| | Say | | | | **510.60** |
| **18.88.15** | **For 48.60 mm x 42.70 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8805 | Reducer for 48.60 mm X 42.70 mm outer Dia SS pipe | each | 1 | 381.60 | 381.60 |
| | TOTAL | | | | 381.60 |
| | Add Water Charges @ 1% | | | | 3.82 |
| | TOTAL | | | | 385.41 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 54.15 |
| | TOTAL | | | | 439.56 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 65.93 |
| | Cost of each | | | | 505.50 |
| | add 1% labour cess | | | | 5.05 |
| | Say | | | | **510.60** |
| **18.89** | **Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per dirction of Engineerin-charge.** | | | | |
| | **Slip Coupling/ Socket.** | | | | |
| **18.89.1** | **For 15.88 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8806 | Slip Coupling / Socket 15.88 mm outer dia SS pipe | each | 1 | 43.74 | 43.74 |
| | TOTAL | | | | 43.74 |
| | Add Water Charges @ 1% | | | | 0.44 |
| | TOTAL | | | | 44.18 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 6.21 |
| | TOTAL | | | | 50.39 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 7.56 |
| | Cost of each | | | | 57.95 |
| | add 1% labour cess | | | | 0.58 |
| | Say | | | | **58.50** |
| **18.89.2** | **For 22.22 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8807 | Slip Coupling / Socket 22.22 mm outer | each | 1 | 58.64 | 58.64 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | dia SS pipe | | | | |
| | TOTAL | | | | 58.64 |
| | Add Water Charges @ 1% | | | | 0.59 |
| | TOTAL | | | | 59.22 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 8.32 |
| | TOTAL | | | | 67.54 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 10.13 |
| | Cost of each | | | | 77.67 |
| | add 1% labour cess | | | | 0.78 |
| | Say | | | | **78.50** |
| 18.89.3 | For 28.58 mm outer dia pipe. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8808 | Slip Coupling / Socket 28.58 mm outer dia SS pipe | each | 1 | 82.83 | 82.83 |
| | TOTAL | | | | 82.83 |
| | Add Water Charges @ 1% | | | | 0.83 |
| | TOTAL | | | | 83.66 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 11.75 |
| | TOTAL | | | | 95.42 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 14.31 |
| | Cost of each | | | | 109.73 |
| | add 1% labour cess | | | | 1.10 |
| | Say | | | | **110.80** |
| 18.89.4 | For 34.00 mm outer dia pipe. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8809 | Slip Coupling / Socket 34.00 mm outer dia SS pipe | each | 1 | 121.92 | 121.92 |
| | TOTAL | | | | 121.92 |
| | Add Water Charges @ 1% | | | | 1.22 |
| | TOTAL | | | | 123.14 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 17.30 |
| | TOTAL | | | | 140.45 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 21.07 |
| | Cost of each | | | | 161.51 |
| | add 1% labour cess | | | | 1.62 |
| | Say | | | | **163.10** |
| 18.89.5 | For 42.70 mm outer dia pipe. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8810 | Slip Coupling / Socket 42.70 mm outer dia each 1.00 490.00 SS pipe | each | 1 | 147.05 | 147.05 |
| | TOTAL | | | | 147.05 |
| | Add Water Charges @ 1% | | | | 1.47 |
| | TOTAL | | | | 148.52 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 20.87 |
| | TOTAL | | | | 169.39 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 25.41 |
| | Cost of each | | | | 194.80 |
| | add 1% labour cess | | | | 1.95 |
| | Say | | | | **196.70** |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 18.89.6 | For 48.60 mm outer dia pipe.<br>Details of cost for One no.<br>MATERIAL: | | | | |
| 8811 | Slip Coupling / Socket 48.60 mm outer dia SS pipe<br>each 1.00 609.00 609.00 | each | 1 | 158.22 | 158.22 |
| | TOTAL | | | | 158.22 |
| | Add Water Charges @ 1% | | | | 1.58 |
| | TOTAL | | | | 159.81 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 22.45 |
| | TOTAL | | | | 182.26 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 27.34 |
| | Cost of each | | | | 209.60 |
| | add 1% labour cess | | | | 2.10 |
| | Say | | | | **211.70** |
| **18.90** | **Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per dirction of Engineerin-charge.** | | | | |
| | **Elbow 90$^{o}$** | | | | |
| **18.90.1** | **For 15.88mm outer dia pipe.**<br>Details of cost for One no.<br>MATERIAL: | | | | |
| 8812 | Elbow 900 for 15.88 mm outer dia SS pipe<br>each 1.00 86.00 86.00 | each | 1 | 53.98 | 53.98 |
| | TOTAL | | | | 53.98 |
| | Add Water Charges @ 1% | | | | 0.54 |
| | TOTAL | | | | 54.52 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 7.66 |
| | TOTAL | | | | 62.18 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 9.33 |
| | Cost of each | | | | 71.51 |
| | add 1% labour cess | | | | 0.72 |
| | Say | | | | **72.20** |
| **18.90.2** | **For 22.22 mm outer dia pipe.**<br>Details of cost for One no.<br>MATERIAL: | | | | |
| 8813 | Elbow 900 for 22.22 mm outer dia SS pipe | each | 1 | 58.64 | 58.64 |
| | TOTAL | | | | 58.64 |
| | Add Water Charges @ 1% | | | | 0.59 |
| | TOTAL | | | | 59.22 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 8.32 |
| | TOTAL | | | | 67.54 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 10.13 |
| | Cost of each | | | | 77.67 |
| | add 1% labour cess | | | | 0.78 |
| | Say | | | | **78.50** |
| **18.90.3** | **For 28.58 mm outer dia pipe.**<br>Details of cost for One no.<br>MATERIAL: | | | | |
| 8814 | Elbow 900 for 28.58 mm outer dia SS pipe | each | 1 | 89.35 | 89.35 |
| | TOTAL | | | | 89.35 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | 0.89 |
| | TOTAL | | | | 90.24 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 12.68 |
| | TOTAL | | | | 102.92 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 15.44 |
| | Cost of each | | | | 118.36 |
| | add 1% labour cess | | | | 1.18 |
| | Say | | | | **119.50** |
| **18.90.4** | **For 34.00 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8815 | Elbow 900 for 34.00 mm outer dia SS pipe | each | 1 | 101.45 | 101.45 |
| | TOTAL 429.00 | | | | |
| | TOTAL | | | | 101.45 |
| | Add Water Charges @ 1% | | | | 1.01 |
| | TOTAL | | | | 102.46 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 14.40 |
| | TOTAL | | | | 116.86 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 17.53 |
| | Cost of each | | | | 134.39 |
| | add 1% labour cess | | | | 1.34 |
| | Say | | | | **135.70** |
| **18.90.5** | **For 42.70 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8816 | Elbow 90 0 for 42.70 mm outer dia SS pipe each 1.00 657.00 657.00 | each | 1 | 107.96 | 107.96 |
| | TOTAL | | | | 107.96 |
| | Add Water Charges @ 1% | | | | 1.08 |
| | TOTAL | | | | 109.04 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 15.32 |
| | TOTAL | | | | 124.36 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 18.65 |
| | Cost of each | | | | 143.02 |
| | add 1% labour cess | | | | 1.43 |
| | Say | | | | **144.40** |
| **18.90.6** | **For 48.60 mm outer dia pipe.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8817 | Elbow 90 0 for 48.60 mm outer dia SS pipe each 1.00 808.00 808.00 | each | 1 | 139.61 | 139.61 |
| | TOTAL | | | | 139.61 |
| | Add Water Charges @ 1% | | | | 1.40 |
| | TOTAL | | | | 141.00 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 19.81 |
| | TOTAL | | | | 160.82 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 24.12 |
| | Cost of each | | | | 184.94 |
| | add 1% labour cess | | | | 1.85 |
| | Say | | | | **186.80** |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **18.91** | **AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per dirction of Engineerin-charge.** | | | | |
| | **Reducing Elbow 90$^{o}$** | | | | |
| **18.91.1** | **For 22.22 mm x 15.88 mm outer dia pipe.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8818 | Reducing Elbow 90 0 for 22.22 mm X 15.88 mm outer dia SS pipe | each | 1 | 137.75 | 137.75 |
| | TOTAL | | | | 137.75 |
| | Add Water Charges @ 1% | | | | 1.38 |
| | TOTAL | | | | 139.12 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 19.55 |
| | TOTAL | | | | 158.67 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 23.80 |
| | Cost of each | | | | 182.47 |
| | add 1% labour cess | | | | 1.82 |
| | Say | | | | **184.30** |
| 18.91.2 | For 28.58 mm x 15.88 mm outer dia pipe. | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8819 | Reducing Elbow 90 0 for 28.58 mm X 15.88 mm outer dia SS pipe | each | 1.00 | 177.77 | 177.77 |
| | TOTAL | | | | 177.77 |
| | Add Water Charges @ 1% | | | | 1.78 |
| | TOTAL | | | | 179.55 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 25.23 |
| | TOTAL | | | | 204.77 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 30.72 |
| | Cost of each | | | | 235.49 |
| | add 1% labour cess | | | | 2.35 |
| | Say | | | | **237.80** |
| 18.91.3 | For 28.58 mm x 22.22 mm outer dia pipe. | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8820 | Reducing Elbow 90 0 for 28.58 mm X 22.22 mm outer dia SS pipe | each | 1.00 | 205.69 | 205.69 |
| | TOTAL | | | | 205.69 |
| | Add Water Charges @ 1% | | | | 2.06 |
| | TOTAL | | | | 207.75 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 29.19 |
| | TOTAL | | | | 236.94 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 35.54 |
| | Cost of each | | | | 272.48 |
| | add 1% labour cess | | | | 2.72 |
| | Say | | | | **275.20** |
| 18.91.4 | For 34.00 mm x 22.22 mm outer dia pipe. | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8821 | Reducing Elbow 90 0 for 34.00 mm X 22.22 mm outer dia SS pipe | each | 1 | 267.12 | 267.12 |
| | TOTAL | | | | 267.12 |
| | Add Water Charges @ 1% | | | | 2.67 |
| | TOTAL | | | | 269.79 (X) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 37.91 | |
| | TOTAL | | | | 307.69 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 46.15 | |
| | Cost of each | | | | 353.85 | |
| | add 1% labour cess | | | | 3.54 | |
| | Say | | | | **357.40** | |
| 18.91.5 | For 34.00 mm x 28.58 mm outer dia pipe. | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8822 | Reducing Elbow 90 0 for 34.00 mm X 28.58 mm outer dia SS pipe | each | 1 | 368.57 | 368.57 | |
| | TOTAL | | | | 368.57 | |
| | Add Water Charges @ 1% | | | | 3.69 | |
| | TOTAL | | | | 372.25 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 52.30 | |
| | TOTAL | | | | 424.55 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 63.68 | |
| | Cost of each | | | | 488.24 | |
| | add 1% labour cess | | | | 4.88 | |
| | Say | | | | **493.10** | |
| 18.91.6 | For 42.70 mm x 34.00 mm outer dia pipe. | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8823 | Reducing Elbow 90 0 for 42.70 mm X 34.00 mm outer dia SS pipe | each | 1 | 166.60 | 166.60 | |
| | TOTAL | | | | 166.60 | |
| | Add Water Charges @ 1% | | | | 1.67 | |
| | TOTAL | | | | 168.27 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 23.64 | |
| | TOTAL | | | | 191.91 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 28.79 | |
| | Cost of each | | | | 220.69 | |
| | add 1% labour cess | | | | 2.21 | |
| | Say | | | | **222.90** | |
| **18.92** | **Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per dirction of Engineerin-charge.** | | | | | |
| | **Equal Tee.** | | | | | |
| **18.92.1** | **For 15.88 mm outer dia pipe.** | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8824 | Equal Tee for 15.88 mm outer dia SS pipe | each | 1 | 1 47.99 | 147.99 | |
| | TOTAL | | | | 147.99 | |
| | Add Water Charges @ 1% | | | | 1.48 | |
| | TOTAL | | | | 149.46 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 21.00 | |
| | TOTAL | | | | 170.46 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 25.57 | |
| | Cost of each | | | | 196.03 | |
| | add 1% labour cess | | | | 1.96 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Say | | | | **198.00** |
| 18.92.2 | For 22.22 mm outer dia pipe. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8825 | Equal Tee for 22.22 mm outer dia SS pipe | each | 1 | 215.00 | 215.00 |
| | TOTAL | | | | 215.00 |
| | Add Water Charges @ 1% | | | | 2.15 |
| | TOTAL | | | | 217.15 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 30.51 |
| | TOTAL | | | | 247.66 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 37.15 |
| | Cost of each | | | | 284.80 |
| | add 1% labour cess | | | | 2.85 |
| | Say | | | | **287.70** |
| 18.92.3 | For 28.58 mm outer dia pipe. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8826 | Equal Tee for 28.58 mm outer dia SS pipe | each | 1 | 254.09 | 254.09 |
| | TOTAL | | | | 254.09 |
| | Add Water Charges @ 1% | | | | 2.54 |
| | TOTAL | | | | 256.63 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 36.06 |
| | TOTAL | | | | 292.68 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 43.90 |
| | Cost of each | | | | 336.59 |
| | add 1% labour cess | | | | **3.37** |
| | Say | | | | **340.00** |
| 18.92.4 | Details of Cost for one no. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8827 | Equal Tee for 34.00 mm outer dia SS pipe | each | 1 | 406.73 | 406.73 |
| | TOTAL | | | | 406.73 |
| | Add Water Charges @ 1% | | | | 4.07 |
| | TOTAL | | | | 410.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 57.72 |
| | TOTAL | | | | 468.51 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 70.28 |
| | Cost of each | | | | 538.79 |
| | add 1% labour cess | | | | 5.39 |
| | Say | | | | **544.20** |
| 18.92.5 | For 42.70 mm outer dia pipe. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8828 | Equal Tee for 42.70 mm outer dia SS pipe | each | 1 | 635.68 | 635.68 |
| | TOTAL | | | | 635.68 |
| | Add Water Charges @ 1% | | | | 6.36 |
| | TOTAL | | | | 642.04 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 |
| | TOTAL | | | | 732.25 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 |
| | Cost of each | | | | 842.08 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | add 1% labour cess | | | | 8.42 | |
| | Say | | | | **850.50** | |
| 18.92.6 | For 48.60 mm outer dia pipe. | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8829 | Equal Tee for 48.60 mm outer dia SS pipe | each | 1 | 825.55 | 825.55 | |
| | TOTAL | | | | 825.55 | |
| | Add Water Charges @ 1% | | | | 8.26 | |
| | TOTAL | | | | 833.81 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 | |
| | TOTAL | | | | 950.96 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 | |
| | Cost of each | | | | 1093.60 | |
| | add 1% labour cess | | | | 10.94 | |
| | Say | | | | **1104.50** | |
| **18.93** | **Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per dirction of Engineerin-charge.** | | | | | |
| | **Reducing Tee.** | | | | | |
| **18.93.1** | **For 22.22 mm x 15.88 mm outer dia pipe.** | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8830 | Reducing Tee for 22.22 mm X 15.88 mm outer dia SS pipe | each | 1 | 166.60 | 166.60 | |
| | TOTAL | | | | 166.60 | |
| | Add Water Charges @ 1% | | | | 1.67 | |
| | TOTAL | | | | 168.27 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 23.64 | |
| | TOTAL | | | | 191.91 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 28.79 | |
| | Cost of each | | | | 220.69 | |
| | add 1% labour cess | | | | 2.21 | |
| | Say | | | | **222.90** | |
| 18.93.2 | For 28.58 mm x 15.88 mm outer dia pipe. | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8831 | Reducing Tee for 28.58 mm X 15.88 mm outer dia SS pipe | each | 1 | 254.09 | 254.09 | |
| | TOTAL | | | | 254.09 | |
| | Add Water Charges @ 1% | | | | 2.54 | |
| | TOTAL | | | | 256.63 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 36.06 | |
| | TOTAL | | | | 292.68 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 43.90 | |
| | Cost of each | | | | 336.59 | |
| | add 1% labour cess | | | | 3.37 | |
| | Say | | | | **340.00** | |
| 18.93.3 | For 28.58 mm x 22.22 mm outer dia pipe. | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 8832 | Reducing Tee for 28.58 mm X 22.22 mm outer dia SS pipe | each | 1 | 254.09 | 254.09 |
| | TOTAL | | | | 254.09 |
| | Add Water Charges @ 1% | | | | 2.54 |
| | TOTAL | | | | 256.63 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 36.06 |
| | TOTAL | | | | 292.68 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 43.90 |
| | Cost of each | | | | 336.59 |
| | add 1% labour cess | | | | 3.37 |
| | Say | | | | **340.00** |
| 18.93.4 | For 34.00 mm x 15.88 mm outer dia pipe. Details of cost for One no. MATERIAL: | | | | |
| 8833 | Reducing Tee for 34.00 mm X 15.88 mm outer dia SS pipe | each | 1 | 406.73 | 406.73 |
| | TOTAL | | | | 406.73 |
| | Add Water Charges @ 1% | | | | 4.07 |
| | TOTAL | | | | 410.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 57.72 |
| | TOTAL | | | | 468.51 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 70.28 |
| | Cost of each | | | | 538.79 |
| | add 1% labour cess | | | | 5.39 |
| | Say | | | | **544.20** |
| 18.93.5 | For 34.00 mm x 22.22 mm outer dia pipe. Details of cost for One no. MATERIAL: | | | | |
| 8834 | Reducing Tee for 34.00 mm X 22.22 mm outer dia SS pipe | each | 1 | 406.73 | 406.73 |
| | TOTAL | | | | 406.73 |
| | Add Water Charges @ 1% | | | | 4.07 |
| | TOTAL | | | | 410.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 57.72 |
| | TOTAL | | | | 468.51 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 70.28 |
| | Cost of each | | | | 538.79 |
| | add 1% labour cess | | | | 5.39 |
| | Say | | | | **544.20** |
| 18.93.6 | For 34.00 mm x 28.58 mm outer dia pipe. Details of cost for One no. MATERIAL: | | | | |
| 8835 | Reducing Tee for 34.00 mm X 28.58 mm outer dia SS pipe | each | 1 | 406.73 | 406.73 |
| | TOTAL | | | | 406.73 |
| | Add Water Charges @ 1% | | | | 4.07 |
| | TOTAL | | | | 410.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 57.72 |
| | TOTAL | | | | 468.51 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 70.28 |
| | Cost of each | | | | 538.79 |
| | add 1% labour cess | | | | 5.39 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Say | | | | **544.20** |
| 18.93.7 | For 42.70 mm x 15.88 mm outer dia pipe.<br>Details of cost for One no.<br>MATERIAL: | | | | |
| 8836 | Reducing Tee for 42.70 mm X 15.88 mm outer dia SS pipe | each | 1 | 635.68 | 635.68 |
| | TOTAL | | | | 635.68 |
| | Add Water Charges @ 1% | | | | 6.36 |
| | TOTAL | | | | 642.04 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 |
| | TOTAL | | | | 732.25 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 |
| | Cost of each | | | | 842.08 |
| | add 1% labour cess | | | | 8.42 |
| | Say | | | | **850.50** |
| 18.93.8 | For 42.70 mm x 22.22 mm outer dia pipe.<br>Details of cost for One no.<br>MATERIAL: | | | | |
| 8837 | Reducing Tee for 42.70 mm X 22.22 mm outer dia SS pipe | each | 1 | 635.68 | 635.68 |
| | TOTAL | | | | 635.68 |
| | Add Water Charges @ 1% | | | | 6.36 |
| | TOTAL | | | | 642.04 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 |
| | TOTAL | | | | 732.25 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 |
| | Cost of each | | | | 842.08 |
| | add 1% labour cess | | | | 8.42 |
| | Say | | | | **850.50** |
| 18.93.9 | For 42.70 mm x 28.58 mm outer dia pipe.<br>Details of cost for One no.<br>MATERIAL: | | | | |
| 8838 | Reducing Tee for 42.70 mm X 28.58 mm outer dia SS pipe | each | 1 | 635.68 | 635.68 |
| | TOTAL | | | | 635.68 |
| | Add Water Charges @ 1% | | | | 6.36 |
| | TOTAL | | | | 642.04 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 |
| | TOTAL | | | | 732.25 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 |
| | Cost of each | | | | 842.08 |
| | add 1% labour cess | | | | 8.42 |
| | Say | | | | **850.50** |
| 18.93.10 | For 42.70 mm x 34.00 mm outer dia pipe.<br>Details of cost for One no.<br>MATERIAL: | | | | |
| 8839 | Reducing Tee for 42.70 mm X 34.00 mm outer dia SS pipe | each | 1 | 635.68 | 635.68 |
| | TOTAL | | | | 635.68 |
| | Add Water Charges @ 1% | | | | 6.36 |
| | TOTAL | | | | 642.04 (X) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 | |
| | TOTAL | | | | 732.25 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 | |
| | Cost of each | | | | 842.08 | |
| | add 1% labour cess | | | | 8.42 | |
| | Say | | | | **850.50** | |
| 18.93.11 | For 48.60 mm x 15.88 mm outer dia pipe. | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8840 | Reducing Tee for 48.60 mm X 15.88 mm outer dia SS pipe | each | 1 | 825.55 | 825.55 | |
| | TOTAL | | | | 825.55 | |
| | Add Water Charges @ 1% | | | | 8.26 | |
| | TOTAL | | | | 833.81 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 | |
| | TOTAL | | | | 950.96 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 | |
| | Cost of each | | | | 1093.60 | |
| | add 1% labour cess | | | | 10.94 | |
| | Say | | | | **1104.50** | |
| 18.93.12 | For 48.60 mm x 22.22 mm outer dia pipe. | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8841 | Reducing Tee for 48.60 mm X 22.22 mm outer dia SS pipe | each | 1 | 825.55 | 825.55 | |
| | TOTAL | | | | 825.55 | |
| | Add Water Charges @ 1% | | | | 8.26 | |
| | TOTAL | | | | 833.81 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 | |
| | TOTAL | | | | 950.96 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 | |
| | Cost of each | | | | 1093.60 | |
| | add 1% labour cess | | | | 10.94 | |
| | Say | | | | **1104.50** | |
| 18.93.13 | For 48.60 mm x 28.58 mm outer dia pipe. | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8842 | Reducing Tee for 48.60 mm X 28.58 mm outer dia SS pipe | each | 1 | 825.55 | 825.55 | |
| | TOTAL | | | | 825.55 | |
| | Add Water Charges @ 1% | | | | 8.26 | |
| | TOTAL | | | | 833.81 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 | |
| | TOTAL | | | | 950.96 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 | |
| | Cost of each | | | | 1093.60 | |
| | add 1% labour cess | | | | 10.94 | |
| | Say | | | | **1104.50** | |
| 18.93.14 | For 48.60 mm x 34.00 mm outer dia pipe. | | | | | |
| | Details of cost for One no. | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | MATERIAL: | | | | |
| 8843 | Reducing Tee for 48.60mm X 34.00 mm outer dia SS pipe | each | 1 | 825.55 | 825.55 |
| | TOTAL | | | | 825.55 |
| | Add Water Charges @ 1% | | | | 8.26 |
| | TOTAL | | | | 833.81 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 |
| | TOTAL | | | | 950.96 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 |
| | Cost of each | | | | 1093.60 |
| | add 1% labour cess | | | | 10.94 |
| | Say | | | | **1104.50** |
| 18.93.15 | For 48.60 mm x 42.70 mm outer dia pipe. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8844 | Reducing Tee for 48.60mm X 42.70mm outer dia SS pipe | each | 1 | 825.55 | 825.55 |
| | TOTAL | | | | 825.55 |
| | Add Water Charges @ 1% | | | | 8.26 |
| | TOTAL | | | | 833.81 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 |
| | TOTAL | | | | 950.96 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 |
| | Cost of each | | | | 1093.60 |
| | add 1% labour cess | | | | 10.94 |
| | Say | | | | **1104.50** |
| **18.94** | **Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per dirction of Engineerin-charge.** | | | | |
| | **Male Thread Tee.** | | | | |
| **18.94.1** | **For 15.88 mm outer dia x 15 mm nominal dia threaded.** | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8845 | Male thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded | each | 1.00 | 166.60 | 166.60 |
| | TOTAL | | | | 166.60 |
| | Add Water Charges @ 1% | | | | 1.67 |
| | TOTAL | | | | 168.27 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 23.64 |
| | TOTAL | | | | 191.91 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 28.79 |
| | Cost of each | | | | 220.69 |
| | add 1% labour cess | | | | 2.21 |
| | Say | | | | **222.90** |
| 18.94.2 | For 22.22 mm outer dia x 15 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8846 | Male thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded | each | 1.00 | 186.14 | 186.14 |
| | TOTAL | | | | 186.14 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | 1.86 |
| | TOTAL | | | | 188.01 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 26.41 |
| | TOTAL | | | | 214.42 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 32.16 |
| | Cost of each | | | | 246.58 |
| | add 1% labour cess | | | | 2.47 |
| | Say | | | | **249.00** |
| 18.94.3 | For 22.22 mm outer dia x 20 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8847 | Male thread Tee for 22.22 mm outer dia X each 1.00 368.00 368.00 | each | 1.00 | 190.80 | 190.80 |
| | 20 mm nominal dia threaded | | | | |
| | TOTAL | | | | 190.80 |
| | Add Water Charges @ 1% | | | | 1.91 |
| | TOTAL | | | | 192.71 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 27.08 |
| | TOTAL | | | | 219.78 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 32.97 |
| | Cost of each | | | | 252.75 |
| | add 1% labour cess | | | | 2.53 |
| | Say | | | | **255.30** |
| 18.94.4 | For 28.58 mm outer dia x 15 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8848 | Male thread Tee for 28.58 mm outer dia X each 1.00 414.00 414.00 | each | 1.00 | 254.09 | 254.09 |
| | 15 mm nominal dia threaded | | | | |
| | TOTAL | | | | 254.09 |
| | Add Water Charges @ 1% | | | | 2.54 |
| | TOTAL | | | | 256.63 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 36.06 |
| | TOTAL | | | | 292.68 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 43.90 |
| | Cost of each | | | | 336.59 |
| | add 1% labour cess | | | | 3.37 |
| | Say | | | | 340.00 |
| 18.94.5 | For 28.58 mm outer dia x 20 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8849 | Male thread Tee for 28.58 mm outer dia X each 1.00 432.00 432.00 | each | 1.00 | 254.09 | 254.09 |
| | 20 mm nominal dia threaded | | | | |
| | TOTAL | | | | 254.09 |
| | Add Water Charges @ 1% | | | | 2.54 |
| | TOTAL | | | | 256.63 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 36.06 |
| | TOTAL | | | | 292.68 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 43.90 |
| | Cost of each | | | | 336.59 |
| | add 1% labour cess | | | | 3.37 |
| | Say | | | | 340.00 |
| 18.94.6 | For 28.58 mm outer dia x 25 mm nominal dia threaded. | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8850 | Male thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded<br>each 1.00 483.00 483.00 | each | 1.00 | 254.09 | 254.09 |
| | TOTAL | | | | 254.09 |
| | Add Water Charges @ 1% | | | | 2.54 |
| | TOTAL | | | | 256.63 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 36.06 |
| | TOTAL | | | | 292.68 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 43.90 |
| | Cost of each | | | | 336.59 |
| | add 1% labour cess | | | | 3.37 |
| | Say | | | | 340.00 |
| 18.94.7 | For 34.00 mm outer dia x 15 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8851 | Male thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded<br>each 1.00 602.00 602.00 | each | 1.00 | 406.73 | 406.73 |
| | TOTAL | | | | 406.73 |
| | Add Water Charges @ 1% | | | | 4.07 |
| | TOTAL | | | | 410.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 57.72 |
| | TOTAL | | | | 468.51 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 70.28 |
| | Cost of each | | | | 538.79 |
| | add 1% labour cess | | | | 5.39 |
| | Say | | | | 544.20 |
| 18.94.8 | For 34.00 mm outer dia x 20 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8852 | Male thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded<br>each 1.00 651.00 651.00 | each | 1.00 | 406.73 | 406.73 |
| | TOTAL | | | | 406.73 |
| | Add Water Charges @ 1% | | | | 4.07 |
| | TOTAL | | | | 410.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 57.72 |
| | TOTAL | | | | 468.51 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 70.28 |
| | Cost of each | | | | 538.79 |
| | add 1% labour cess | | | | 5.39 |
| | Say | | | | 544.20 |
| 18.94.9 | For 34.00 mm outer dia x 25 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8853 | Male thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded<br>each 1.00 777.00 777.00 | each | 1.00 | 406.73 | 406.73 |
| | TOTAL | | | | 406.73 |
| | Add Water Charges @ 1% | | | | 4.07 |
| | TOTAL | | | | 410.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 57.72 |
| | TOTAL | | | | 468.51 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 70.28 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost of each | | | | 538.79 |
| | add 1% labour cess | | | | 5.39 |
| | Say | | | | 544.20 |
| 18.94.10 | For 34.00 mm outer dia x 32 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8854 | Male thread Tee for 34.00 mm outer dia X each 1.00 981.00 981.00 | each | 1.00 | 406.73 | 406.73 |
| | 32 mm nominal dia threaded | | | | |
| | TOTAL | | | | 406.73 |
| | Add Water Charges @ 1% | | | | 4.07 |
| | TOTAL | | | | 410.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 57.72 |
| | TOTAL | | | | 468.51 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 70.28 |
| | Cost of each | | | | 538.79 |
| | add 1% labour cess | | | | 5.39 |
| | Say | | | | 544.20 |
| 18.94.11 | For 42.70 mm outer dia x 15 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8855 | Male thread Tee for 42.70 mm outer dia X each 1.00 919.00 919.00 | each | 1.00 | 635.68 | 635.68 |
| | 15 mm nominal dia threaded | | | | |
| | TOTAL | | | | 635.68 |
| | Add Water Charges @ 1% | | | | 6.36 |
| | TOTAL | | | | 642.04 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 |
| | TOTAL | | | | 732.25 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 |
| | Cost of each | | | | 842.08 |
| | add 1% labour cess | | | | 8.42 |
| | Say | | | | 850.50 |
| 18.94.12 | For 42.70 mm outer dia x 20 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8856 | Male thread Tee for 42.70 mm outer dia X each 1.00 941.00 941.00 | each | 1.00 | 635.68 | 635.68 |
| | 20 mm nominal dia threaded | | | | |
| | TOTAL | | | | 635.68 |
| | Add Water Charges @ 1% | | | | 6.36 |
| | TOTAL | | | | 642.04 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 |
| | TOTAL | | | | 732.25 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 |
| | Cost of each | | | | 842.08 |
| | add 1% labour cess | | | | 8.42 |
| | Say | | | | 850.50 |
| 18.94.13 | For 42.70 mm outer dia x 25 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8857 | Male thread Tee for 42.70 mm outer dia X each 1.00 1024.00 1024.00 | each | 1.00 | 635.68 | 635.68 |
| | 25 mm nominal dia threaded | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 635.68 | |
| | Add Water Charges @ 1% | | | | 6.36 | |
| | TOTAL | | | | 642.04 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 | |
| | TOTAL | | | | 732.25 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 | |
| | Cost of each | | | | 842.08 | |
| | add 1% labour cess | | | | 8.42 | |
| | Say | | | | 850.50 | |
| 18.94.14 | For 42.70 mm outer dia x 32 mm nominal dia threaded. | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8858 | Male thread Tee for 42.70 mm outer dia X<br>each 1.00 1137.00 1137.00<br>32 mm nominal dia threaded | each | 1.00 | 635.68 | 635.68 | |
| | TOTAL | | | | 635.68 | |
| | Add Water Charges @ 1% | | | | 6.36 | |
| | TOTAL | | | | 642.04 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 | |
| | TOTAL | | | | 732.25 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 | |
| | Cost of each | | | | 842.08 | |
| | add 1% labour cess | | | | 8.42 | |
| | Say | | | | 850.50 | |
| 18.94.15 | For 42.70 mm outer dia x 40 mm nominal dia threaded. | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8859 | Male thread Tee for 42.70 mm outer dia X<br>each 1.00 1381.00 1381.00<br>40 mm nominal dia threaded | each | 1.00 | 635.68 | 635.68 | |
| | TOTAL | | | | 635.68 | |
| | Add Water Charges @ 1% | | | | 6.36 | |
| | TOTAL | | | | 642.04 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 | |
| | TOTAL | | | | 732.25 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 | |
| | Cost of each | | | | 842.08 | |
| | add 1% labour cess | | | | 8.42 | |
| | Say | | | | 850.50 | |
| 18.94.16 | For 48.60 mm outer dia x 15 mm nominal dia threaded. | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8860 | Male thread Tee for 48.60 mm outer dia X<br>each 1.00 1000.00 1000.00<br>15 mm nominal dia threaded | each | 1.00 | 825.55 | 825.55 | |
| | TOTAL | | | | 825.55 | |
| | Add Water Charges @ 1% | | | | 8.26 | |
| | TOTAL | | | | 833.81 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 | |
| | TOTAL | | | | 950.96 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 | |
| | Cost of each | | | | 1093.60 | |
| | add 1% labour cess | | | | 10.94 | |
| | Say | | | | 1104.50 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 18.94.17 | For 48.60 mm outer dia x 20 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8861 | Male thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded | each | 1.00 | 825.55 | 825.55 |
| | each 1.00 1030.00 1030.00 | | | | |
| | TOTAL | | | | 825.55 |
| | Add Water Charges @ 1% | | | | 8.26 |
| | TOTAL | | | | 833.81 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 |
| | TOTAL | | | | 950.96 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 |
| | Cost of each | | | | 1093.60 |
| | add 1% labour cess | | | | 10.94 |
| | Say | | | | **1104.50** |
| 18.94.18 | For 48.60 mm outer dia x 25 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8862 | Male thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded | each | 1.00 | 825.55 | 825.55 |
| | each 1.00 1074.00 1074.00 | | | | |
| | TOTAL | | | | 825.55 |
| | Add Water Charges @ 1% | | | | 8.26 |
| | TOTAL | | | | 833.81 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 |
| | TOTAL | | | | 950.96 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 |
| | Cost of each | | | | 1093.60 |
| | add 1% labour cess | | | | 10.94 |
| | Say | | | | **1104.50** |
| 18.94.19 | For 48.60 mm outer dia x 32 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8863 | Male thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded | each | 1.00 | 825.55 | 825.55 |
| | each 1.00 1290.00 1290.00 | | | | |
| | TOTAL | | | | 825.55 |
| | Add Water Charges @ 1% | | | | 8.26 |
| | TOTAL | | | | 833.81 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 |
| | TOTAL | | | | 950.96 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 |
| | Cost of each | | | | 1093.60 |
| | add 1% labour cess | | | | 10.94 |
| | Say | | | | **1104.50** |
| 18.94.20 | For 48.60 mm outer dia x 40 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8864 | Male thread Tee for 48.60 mm outer dia X each 1.00 1431.00 1431.00 | each | 1.00 | 825.55 | 825.55 |
| | 40 mm nominal dia threaded | | | | |
| | TOTAL | | | | 825.55 |
| | Add Water Charges @ 1% | | | | 8.26 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 833.81 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 | |
| | TOTAL | | | | 950.96 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 | |
| | Cost of each | | | | 1093.60 | |
| | add 1% labour cess | | | | 10.94 | |
| | Say | | | | **1104.50** | |
| 18.94.21 | For 48.60 mm outer dia x 50 mm nominal dia threaded. | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8865 | Male thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded | each | 1.00 | 825.55 | 825.55 | |
| | TOTAL | | | | 825.55 | |
| | Add Water Charges @ 1% | | | | 8.26 | |
| | TOTAL | | | | 833.81 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 | |
| | TOTAL | | | | 950.96 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 | |
| | Cost of each | | | | 1093.60 | |
| | add 1% labour cess | | | | 10.94 | |
| | Say | | | | **1104.50** | |
| **18.95** | **Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per dirction of Engineerin-charge.** | | | | | |
| | **Female Thread Tee.** | | | | | |
| **18.95.1** | **For 15.88 mm outer dia x15 mm nominal dia threaded.** | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8866 | Female thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded<br>each 1.00 292.00 292.00 | each | 1.00 | 166.60 | 166.60 | |
| | TOTAL | | | | 166.60 | |
| | Add Water Charges @ 1% | | | | 1.67 | |
| | TOTAL | | | | 168.27 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 23.64 | |
| | TOTAL | | | | 191.91 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 28.79 | |
| | Cost of each | | | | 220.69 | |
| | add 1% labour cess | | | | 2.21 | |
| | Say | | | | **222.90** | |
| 18.95.2 | For 22.22 mm outer dia x 15 mm nominal dia threaded. | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8867 | Female thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded<br>each 1.00 344.00 344.00 | each | 1.00 | 186.14 | 186.14 | |
| | TOTAL | | | | 186.14 | |
| | Add Water Charges @ 1% | | | | 1.86 | |
| | TOTAL | | | | 188.01 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 26.41 | |
| | TOTAL | | | | 214.42 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 32.16 | |
| | Cost of each | | | | 246.58 | |
| | add 1% labour cess | | | | 2.47 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Say | | | | **249.00** |
| 18.95.3 | For 22.22 mm outer dia x 20 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8868 | Female thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded each 1.00 356.00 356.00 | each | 1.00 | 186.14 | 186.14 |
| | TOTAL | | | | 186.14 |
| | Add Water Charges @ 1% | | | | 1.86 |
| | TOTAL | | | | 188.01 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 26.41 |
| | TOTAL | | | | 214.42 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 32.16 |
| | Cost of each | | | | 246.58 |
| | add 1% labour cess | | | | 2.47 |
| | Say | | | | **249.00** |
| 18.95.4 | For 28.58 mm outer dia x 15 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8869 | Female thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded each 1.00 445.00 445.00 | each | 1.00 | 254.09 | 254.09 |
| | TOTAL | | | | 254.09 |
| | Add Water Charges @ 1% | | | | 2.54 |
| | TOTAL | | | | 256.63 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 36.06 |
| | TOTAL | | | | 292.68 (Y) |
| | Add CPOH @ 15% on "Y" | | | | **43.90** |
| | Cost of each | | | | 336.59 |
| | add 1% labour cess | | | | 3.37 |
| | Say | | | | **340.00** |
| 18.95.5 | For 28.58 mm outer dia x 20 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8870 | Female thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded each 1.00 455.00 455.00 | each | 1.00 | 254.09 | 254.09 |
| | TOTAL | | | | 254.09 |
| | Add Water Charges @ 1% | | | | 2.54 |
| | TOTAL | | | | 256.63 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 36.06 |
| | TOTAL | | | | 292.68 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 43.90 |
| | Cost of each | | | | 336.59 |
| | add 1% labour cess | | | | 3.37 |
| | Say | | | | 340.00 |
| 18.95.6 | For 28.58 mm outer dia x 25 mm nominal dia threaded. | | | | |
| | Details of cost for One no. | | | | |
| | MATERIAL: | | | | |
| 8871 | Female thread Tee for 28.58 mm outer dia X 25 mm nominal dia threaded each 1.00 498.00 498.00 | each | 1.00 | 254.09 | 254.09 |
| | TOTAL | | | | 254.09 |
| | Add Water Charges @ 1% | | | | 2.54 |
| | TOTAL | | | | 256.63 (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 36.06 |
| | TOTAL | | | | 292.68 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 43.90 |
| | Cost of each | | | | 336.59 |
| | add 1% labour cess | | | | 3.37 |
| | Say | | | | 340.00 |
| 18.95.7 | For 34.00 mm outer dia x 15 mm nominal dia threaded.<br>Details of cost for One no.<br>MATERIAL: | | | | |
| 8872 | Female thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded<br>each 1.00 668.00 668.00 | each | 1.00 | 406.73 | 406.73 |
| | TOTAL | | | | 406.73 |
| | Add Water Charges @ 1% | | | | 4.07 |
| | TOTAL | | | | 410.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 57.72 |
| | TOTAL | | | | 468.51 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 70.28 |
| | Cost of each | | | | 538.79 |
| | add 1% labour cess | | | | 5.39 |
| | Say | | | | 544.20 |
| 18.95.8 | For 34.00 mm outer dia x 20 mm nominal dia threaded.<br>Details of cost for One no.<br>MATERIAL: | | | | |
| 8873 | Female thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded<br>each 1.00 679.00 679.00 | each | 1.00 | 406.73 | 406.73 |
| | TOTAL | | | | 406.73 |
| | Add Water Charges @ 1% | | | | 4.07 |
| | TOTAL | | | | 410.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 57.72 |
| | TOTAL | | | | 468.51 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 70.28 |
| | Cost of each | | | | 538.79 |
| | add 1% labour cess | | | | 5.39 |
| | Say | | | | 544.20 |
| 18.95.9 | For 34.00 mm outer dia x 25 mm nominal dia threaded.<br>Details of cost for One no.<br>MATERIAL: | | | | |
| 8874 | Female thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded<br>each 1.00 766.00 766.00 | each | 1.00 | 406.73 | 406.73 |
| | TOTAL | | | | 406.73 |
| | Add Water Charges @ 1% | | | | 4.07 |
| | TOTAL | | | | 410.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 57.72 |
| | TOTAL | | | | 468.51 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 70.28 |
| | Cost of each | | | | 538.79 |
| | add 1% labour cess | | | | 5.39 |
| | Say | | | | 544.20 |
| 18.95.10 | For 34.00 mm outer dia x 32 mm nominal dia threaded.<br>Details of cost for One no.<br>MATERIAL: | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 8875 | Female thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded<br>each 1.00 910.00 910.00 | each | 1.00 | 406.73 | 406.73 |
| | TOTAL | | | | 406.73 |
| | Add Water Charges @ 1% | | | | 4.07 |
| | TOTAL | | | | 410.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 57.72 |
| | TOTAL | | | | 468.51 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 70.28 |
| | Cost of each | | | | 538.79 |
| | add 1% labour cess | | | | 5.39 |
| | Say | | | | 544.20 |
| 18.95.11 | For 42.70 mm outer dia x 15 mm nominal dia threaded.<br>Details of cost for One no.<br>MATERIAL: | | | | |
| 8876 | Female thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded<br>each 1.00 894.00 894.00 | each | 1.00 | 635.68 | 635.68 |
| | TOTAL | | | | 635.68 |
| | Add Water Charges @ 1% | | | | 6.36 |
| | TOTAL | | | | 642.04 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 |
| | TOTAL | | | | 732.25 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 |
| | Cost of each | | | | 842.08 |
| | add 1% labour cess | | | | 8.42 |
| | Say | | | | 850.50 |
| 18.95.12 | For 42.70 mm outer dia x 20 mm nominal dia threaded.<br>Details of cost for One no.<br>MATERIAL: | | | | |
| 8877 | Female thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded<br>each 1.00 910.00 910.00 | each | 1.00 | 635.68 | 635.68 |
| | TOTAL | | | | 635.68 |
| | Add Water Charges @ 1% | | | | 6.36 |
| | TOTAL | | | | 642.04 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 |
| | TOTAL | | | | 732.25 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 |
| | Cost of each | | | | 842.08 |
| | add 1% labour cess | | | | 8.42 |
| | Say | | | | 850.50 |
| 18.95.13 | For 42.70 mm outer dia x 25 mm nominal dia threaded.<br>Details of cost for One no.<br>MATERIAL: | | | | |
| 8878 | Female thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded<br>each 1.00 1022.00 1022.00 | each | 1.00 | 635.68 | 635.68 |
| | TOTAL | | | | 635.68 |
| | Add Water Charges @ 1% | | | | 6.36 |
| | TOTAL | | | | 642.04 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 |
| | TOTAL | | | | 732.25 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 |
| | Cost of each | | | | 842.08 |
| | add 1% labour cess | | | | 8.42 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Say | | | | 850.50 | |
| 18.95.14 | For 42.70 mm outer dia x 32 mm nominal dia threaded. | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8879 | Female thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded | each | 1.00 | 635.68 | 635.68 | |
| | each 1.00 1067.00 1067.00 | | | | | |
| | TOTAL | | | | 635.68 | |
| | Add Water Charges @ 1% | | | | 6.36 | |
| | TOTAL | | | | 642.04 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 | |
| | TOTAL | | | | 732.25 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 | |
| | Cost of each | | | | 842.08 | |
| | add 1% labour cess | | | | 8.42 | |
| | Say | | | | 850.50 | |
| 18.95.15 | For 42.70 mm outer dia x 40 mm nominal dia threaded. | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8880 | Female thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded | each | 1.00 | 635.68 | 635.68 | |
| | each 1.00 1162.00 1162.00 | | | | | |
| | TOTAL | | | | 635.68 | |
| | Add Water Charges @ 1% | | | | 6.36 | |
| | TOTAL | | | | 642.04 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 | |
| | TOTAL | | | | 732.25 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 | |
| | Cost of each | | | | 842.08 | |
| | add 1% labour cess | | | | 8.42 | |
| | Say | | | | 850.50 | |
| 18.95.16 | For 48.60 mm outer dia x 15 mm nominal dia threaded. | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8881 | Female thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded | each | 1.00 | 825.55 | 825.55 | |
| | each 1.00 1065.00 1065.00 | | | | | |
| | TOTAL | | | | 825.55 | |
| | Add Water Charges @ 1% | | | | 8.26 | |
| | TOTAL | | | | 833.81 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 | |
| | TOTAL | | | | 950.96 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 | |
| | Cost of each | | | | 1093.60 | |
| | add 1% labour cess | | | | 10.94 | |
| | Say | | | | 1104.50 | |
| 18.95.17 | For 48.60 mm outer dia x 20 mm nominal dia threaded. | | | | | |
| | Details of cost for One no. | | | | | |
| | MATERIAL: | | | | | |
| 8882 | Female thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded | each | 1.00 | 825.55 | 825.55 | |
| | each 1.00 1076.00 1076.00 | | | | | |
| | TOTAL | | | | 825.55 | |
| | Add Water Charges @ 1% | | | | 8.26 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 833.81 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 | |
| | TOTAL | | | | 950.96 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 | |
| | Cost of each | | | | 1093.60 | |
| | add 1% labour cess | | | | 10.94 | |
| | Say | | | | 1104.50 | |
| 18.95.18 | For 48.60 mm outer dia x 25 mm nominal dia threaded. Details of cost for One no. MATERIAL: | | | | | |
| 8883 | Female thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded each 1.00 1115.00 1115.00 | each | 1.00 | 825.55 | 825.55 | |
| | TOTAL | | | | 825.55 | |
| | Add Water Charges @ 1% | | | | 8.26 | |
| | TOTAL | | | | 833.81 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 | |
| | TOTAL | | | | 950.96 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 | |
| | Cost of each | | | | 1093.60 | |
| | add 1% labour cess | | | | 10.94 | |
| | Say | | | | 1104.50 | |
| 18.95.19 | For 48.60 mm outer dia x 32 mm nominal dia threaded. Details of cost for One no. MATERIAL: | | | | | |
| 8884 | Female thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded | each | 1.00 | 825.55 | 825.55 | |
| | TOTAL | | | | 825.55 | |
| | Add Water Charges @ 1% | | | | 8.26 | |
| | TOTAL | | | | 833.81 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 | |
| | TOTAL | | | | 950.96 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 | |
| | Cost of each | | | | 1093.60 | |
| | add 1% labour cess | | | | 10.94 | |
| | Say | | | | 1104.50 | |
| 18.95.20 | For 48.60 mm outer dia x 40 mm nominal dia threaded. Details of cost for One no. MATERIAL: | | | | | |
| 8885 | Female thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded | each | 1.00 | 825.55 | 825.55 | |
| | TOTAL | | | | 825.55 | |
| | Add Water Charges @ 1% | | | | 8.26 | |
| | TOTAL | | | | 833.81 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 | |
| | TOTAL | | | | 950.96 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 | |
| | Cost of each | | | | 1093.60 | |
| | add 1% labour cess | | | | 10.94 | |
| | Say | | | | 1104.50 | |
| 18.95.21 | For 48.60 mm outer dia x 50 mm nominal dia threaded. Details of cost for One no. | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | MATERIAL: | | | | | |
| 8885 | Female thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded | each | 1.00 | 825.55 | 825.55 | |
| | TOTAL | | | | 825.55 | |
| | Add Water Charges @ 1% | | | | 8.26 | |
| | TOTAL | | | | 833.81 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 117.15 | |
| | TOTAL | | | | 950.96 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 142.64 | |
| | Cost of each | | | | 1093.60 | |
| | add 1% labour cess | | | | 10.94 | |
| | Say | | | | 1104.50 | |

**18.96 Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per dirction of Engineerin-charge.**
**Female Thread Connector/ Adapter.**

**18.96.1 For 15.88 mm outer dia x 15 mm nominal dia threaded.**

Details of Cost for one no.

| | | | | | | |
|---|---|---|---|---|---|---|
| | MATERIAL: | | | | | |
| 8887 | Female threaded Connector/Adapter for 15.88 mm outer dia X 15 mm nominal threaded | each | 1.00 | 176.84 | 176.84 | |
| | TOTAL | | | | 176.84 | |
| | Add Water Charges @ 1% | | | | 1.77 | |
| | TOTAL | | | | 178.61 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 25.09 | |
| | TOTAL | | | | 203.70 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 30.55 | |
| | Cost of each | | | | 234.25 | |
| | add 1% labour cess | | | | 2.34 | |
| | Say | | | | **236.60** | |

**18.96.2 For 22.22 mm outer dia x 15 mmnominal dia threaded.**

Details of Cost for one no.

| | | | | | | |
|---|---|---|---|---|---|---|
| | MATERIAL: | | | | | |
| 8888 | Female threaded Connector/Adapter for 22.22 mm outer dia X 15 mm nominal threaded | each | 1 | 214.07 | 214.07 | |
| | TOTAL | | | | 214.07 | |
| | Add Water Charges @ 1% | | | | 2.14 | |
| | TOTAL | | | | 216.21 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 30.38 | |
| | TOTAL | | | | 246.58 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 36.99 | |
| | Cost of each | | | | 283.57 | |
| | add 1% labour cess | | | | 2.84 | |
| | Say | | | | **286.40** | |

**18.96.3 For 22.22 mm outer dia x 20 mm nominal dia threaded.**

Details of Cost for one no.

| | | | | | | |
|---|---|---|---|---|---|---|
| | MATERIAL: | | | | | |
| 8889 | Female threaded Connector/Adapter for 22.22 mm outer dia X 20 mm nominal threaded | each | 1 | 220.58 | 220.58 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 220.58 | |
| | Add Water Charges @ 1% | | | | 2.21 | |
| | TOTAL | | | | 222.79 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 31.30 | |
| | TOTAL | | | | 254.09 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 38.11 | |
| | Cost of each | | | | 292.20 | |
| | add 1% labour cess | | | | 2.92 | |
| | Say | | | | **295.10** | |
| **18.96.4** | **For 28.58 mm outer dia x 15 mm nominal dia threaded.** | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8890 | Female threaded Connector/Adapter for 28.58 mm outer dia X 15 mm nominal threaded | each | 1 | 257.81 | 257.81 | |
| | TOTAL | | | | 257.81 | |
| | Add Water Charges @ 1% | | | | 2.58 | |
| | TOTAL | | | | 260.39 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 36.58 | |
| | TOTAL | | | | 296.97 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 44.55 | |
| | Cost of each | | | | 341.52 | |
| | add 1% labour cess | | | | 3.42 | |
| | Say | | | | 344.90 | |
| **18.96.5** | **For 28.58 mm outer dia x 20 mm nominal dia threaded.** | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8891 | Female threaded Connector/Adapter for 28.58 mm outer dia X 20 mm nominal threaded | each | 1 | 266.19 | 266.19 | |
| | TOTAL | | | | 266.19 | |
| | Add Water Charges @ 1% | | | | 2.66 | |
| | TOTAL | | | | 268.85 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 37.77 | |
| | TOTAL | | | | 306.62 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 45.99 | |
| | Cost of each | | | | 352.62 | |
| | add 1% labour cess | | | | 3.53 | |
| | Say | | | | **356.10** | |
| **18.96.6** | **For 28.58 mm outer dia x 25 mm nominal dia threaded.** | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8892 | Female threaded Connector/Adapter for 28.58 mm outer dia X 25 mm nominal threaded | each | 1 | 313.65 | 313.65 | |
| | TOTAL | | | | 313.65 | |
| | Add Water Charges @ 1% | | | | 3.14 | |
| | TOTAL | | | | 316.79 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 44.51 | |
| | TOTAL | | | | 361.30 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 54.19 | |
| | Cost of each | | | | 415.49 | |
| | add 1% labour cess | | | | 4.15 | |
| | Say | | | | 419.60 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **18.96.7** | **For 34.00 mm outer dia x 25 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8893 | Female threaded Connector/Adapter for 34.00 mm outer dia X 25 mm nominal threaded | each | 1 | 380.67 | 380.67 |
| | TOTAL | | | | 380.67 |
| | Add Water Charges @ 1% | | | | 3.81 |
| | TOTAL | | | | 384.47 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 54.02 |
| | TOTAL | | | | 438.49 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 65.77 |
| | Cost of each | | | | 504.26 |
| | add 1% labour cess | | | | 5.04 |
| | Say | | | | **509.30** |
| **18.96.8** | **For 34.00 mm outer dia x 32 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8894 | Female threaded Connector/Adapter for 34.00 mm outer dia X 32 mm nominal threaded | each | 1 | 500.73 | 500.73 |
| | TOTAL | | | | 500.73 |
| | Add Water Charges @ 1% | | | | 5.01 |
| | TOTAL | | | | 505.74 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 71.06 |
| | TOTAL | | | | 576.79 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 86.52 |
| | Cost of each | | | | 663.31 |
| | add 1% labour cess | | | | 6.63 |
| | Say | | | | **669.90** |
| **18.96.9** | **For 42.70 mm outer dia x 32 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8895 | Female threaded Connector/Adapter for 42.70 mm outer dia X 32 mm nominal threaded | each | 1 | 536.10 | 536.10 |
| | TOTAL | | | | 536.10 |
| | Add Water Charges @ 1% | | | | 5.36 |
| | TOTAL | | | | 541.46 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 76.07 |
| | TOTAL | | | | 617.53 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 92.63 |
| | Cost of each | | | | 710.16 |
| | add 1% labour cess | | | | 7.10 |
| | Say | | | | **717.30** |
| **18.96.10** | **For 42.70 mm outer dia x 40 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8896 | Female threaded Connector/Adapter for 42.70 mm outer dia X 40 mm nominal threaded | each | 1 | 633.82 | 633.82 |
| | TOTAL | | | | 633.82 |
| | Add Water Charges @ 1% | | | | 6.34 |
| | TOTAL | | | | 640.16 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 89.94 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 730.10 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.52 | |
| | Cost of each | | | | 839.62 | |
| | add 1% labour cess | | | | 8.40 | |
| | Say | | | | **848.00** | |
| **18.96.11** | **For 48.60 mm outer dia x 40 mm nominal dia threaded.** | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8897 | Female threaded Connector/Adapter for 48.60 mm outer dia X 40 mm nominal threaded | each | 1 | 779.95 | 779.95 | |
| | TOTAL | | | | 779.95 | |
| | Add Water Charges @ 1% | | | | 7.80 | |
| | TOTAL | | | | 787.75 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 110.68 | |
| | TOTAL | | | | 898.42 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 134.76 | |
| | Cost of each | | | | 1033.19 | |
| | add 1% labour cess | | | | 10.33 | |
| | Say | | | | **1043.50** | |
| **18.96.12** | **For 48.60 mm outer dia x 50 mm nominal dia threaded.** | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8897 | Female threaded Connector/Adapter for 48.60 mm outer dia X 40 mm nominal threaded | each | 1.00 | 779.95 | 779.95 | |
| | TOTAL | | | | 779.95 | |
| | Add Water Charges @ 1% | | | | 7.80 | |
| | TOTAL | | | | 787.75 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 110.68 | |
| | TOTAL | | | | 898.42 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 134.76 | |
| | Cost of each | | | | 1033.19 | |
| | add 1% labour cess | | | | 10.33 | |
| | Say | | | | **1043.50** | |
| **18.97** | **Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per dirction of Engineerin-charge.** | | | | | |
| | **Male Thread Connector/ Adapter.** | | | | | |
| **18.97.1** | **For 15.88 mm outer dia x 15 mm nominal dia threaded.** | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8899 | Male threaded Connector/Adapter for 15.88 mm outer dia X 15 mm nominal threaded | each | 1 | 179.63 | 179.63 | |
| | TOTAL | | | | 179.63 | |
| | Add Water Charges @ 1% | | | | 1.80 | |
| | TOTAL | | | | 181.43 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 25.49 | |
| | TOTAL | | | | 206.92 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 31.04 | |
| | Cost of each | | | | 237.95 | |
| | add 1% labour cess | | | | 2.38 | |
| | Say | | | | **240.30** | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **18.97.2** | **For 22.22 mm outer dia x 15 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8900 | Male threaded Connector/Adapter for 22.22 mm outer dia X 15 mm nominal threaded | each | 1 | 211.27 | 211.27 |
| | TOTAL | | | | 211.27 |
| | Add Water Charges @ 1% | | | | 2.11 |
| | TOTAL | | | | 213.39 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 29.98 |
| | TOTAL | | | | 243.37 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 36.51 |
| | Cost of each | | | | 279.87 |
| | add 1% labour cess | | | | 2.80 |
| | Say | | | | **282.70** |
| **18.97.3** | **For 22.22 mm outer dia x 20 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8901 | Male threaded Connector/Adapter for 22.22 mm outer dia X 20 mm nominal threaded | each | 1 | 230.82 | 230.82 |
| | TOTAL | | | | 230.82 |
| | Add Water Charges @ 1% | | | | 2.31 |
| | TOTAL | | | | 233.13 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 32.75 |
| | TOTAL | | | | 265.88 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 39.88 |
| | Cost of each | | | | 305.76 |
| | add 1% labour cess | | | | 3.06 |
| | Say | | | | **308.80** |
| **18.97.4** | **For 28.58 mm outer dia x 20 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8902 | Male threaded Connector/Adapter for 28.58 mm outer dia X 20 mm nominal threaded | each | 1 | 291.32 | 291.32 |
| | TOTAL | | | | 291.32 |
| | Add Water Charges @ 1% | | | | 2.91 |
| | TOTAL | | | | 294.23 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 41.34 |
| | TOTAL | | | | 335.57 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 50.34 |
| | Cost of each | | | | 385.90 |
| | add 1% labour cess | | | | 3.86 |
| | Say | | | | **389.80** |
| **18.97.5** | **For 28.58 mm outer dia x 25 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8903 | Male threaded Connector/Adapter for 28.58 mm outer dia X 25 mm nominal threaded | each | 1 | 297.83 | 297.83 |
| | TOTAL | | | | 297.83 |
| | Add Water Charges @ 1% | | | | 2.98 |
| | TOTAL | | | | 300.81 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 42.26 |
| | TOTAL | | | | 343.07 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 51.46 |
| | Cost of each | | | | 394.53 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | add 1% labour cess | | | | 3.95 |
| | Say | | | | **398.50** |
| **18.97.6** | **For 34.00 mm outer dia x 25 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8904 | Male threaded Connector/Adapter for 34.00 mm outer dia X 25 mm nominal threaded | each | 1 | 429.06 | 429.06 |
| | TOTAL | | | | 429.06 |
| | Add Water Charges @ 1% | | | | 4.29 |
| | TOTAL | | | | 433.35 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 60.89 |
| | TOTAL | | | | 494.24 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 74.14 |
| | Cost of each | | | | 568.38 |
| | add 1% labour cess | | | | 5.68 |
| | Say | | | | **574.10** |
| **18.97.7** | **For 34.00 mm outer dia x 32 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8905 | Male threaded Connector/Adapter for 34.00 mm outer dia X 32 mm nominal threaded | each | 1 | 525.86 | 525.86 |
| | TOTAL | | | | 525.86 |
| | Add Water Charges @ 1% | | | | 5.26 |
| | TOTAL | | | | 531.12 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 74.62 |
| | TOTAL | | | | 605.74 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 90.86 |
| | Cost of each | | | | 696.60 |
| | add 1% labour cess | | | | 6.97 |
| | Say | | | | **703.60** |
| **18.97.8** | **For 42.70 mm outer dia x 32 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8906 | Male threaded Connector/Adapter for 42.70 mm outer dia X 32 mm nominal threaded | each | 1 | 604.04 | 604.04 |
| | TOTAL | | | | 604.04 |
| | Add Water Charges @ 1% | | | | 6.04 |
| | TOTAL | | | | 610.08 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 85.72 |
| | TOTAL | | | | 695.80 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 104.37 |
| | Cost of each | | | | 800.17 |
| | add 1% labour cess | | | | 8.00 |
| | Say | | | | **808.20** |
| **18.97.9** | **For 42.70 mm outer dia x 40 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8907 | Male threaded Connector/Adapter for 42.70 mm outer dia X 40 mm nominal threaded | each | 1 | 675.71 | 675.71 |
| | TOTAL | | | | 675.71 |
| | Add Water Charges @ 1% | | | | 6.76 |
| | TOTAL | | | | 682.46 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 95.89 |
| | TOTAL | | | | 778.35 (Y) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add CPOH @ 15% on "Y" | | | | 116.75 |
| | Cost of each | | | | 895.10 |
| | add 1% labour cess | | | | 8.95 |
| | Say | | | | **904.10** |
| **18.97.10** | **For 48.60 mm outer dia x 40 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8908 | Male threaded Connector/Adapter for 48.60 mm outer dia X 40 mm nominal threaded | each | 1 | 781.81 | 781.81 |
| | TOTAL | | | | 781.81 |
| | Add Water Charges @ 1% | | | | 7.82 |
| | TOTAL | | | | 789.63 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 110.94 |
| | TOTAL | | | | 900.57 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 135.09 |
| | Cost of each | | | | 1035.65 |
| | add 1% labour cess | | | | 10.36 |
| | Say | | | | **1046.00** |
| **18.97.11** | **For 48.60 mm outer dia x 50 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8909 | Male threaded Connector/Adapter for 48.60 mm outer dia X 50 mm nominal threaded | each | 1 | 1059.16 | 1059.16 |
| | TOTAL | | | | 1059.16 |
| | Add Water Charges @ 1% | | | | 10.59 |
| | TOTAL | | | | 1069.75 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 150.30 |
| | TOTAL | | | | 1220.06 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 183.01 |
| | Cost of each | | | | 1403.06 |
| | add 1% labour cess | | | | 14.03 |
| | Say | | | | **1417.10** |
| **18.98** | **Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per dirction of Engineerin-charge.** | | | | |
| | **Valve Connector.** | | | | |
| **18.98.1** | **For 15.88 mm outer dia x 15 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8910 | Valve Connector for 15.88 mm outer dia X 15 mm nominal dia threaded | each | 1.00 | 217.79 | 217.79 |
| | TOTAL | | | | 217.79 |
| | Add Water Charges @ 1% | | | | 2.18 |
| | TOTAL | | | | 219.97 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 30.91 |
| | TOTAL | | | | 250.87 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 37.63 |
| | Cost of each | | | | 288.50 |
| | add 1% labour cess | | | | 2.89 |
| | Say | | | | **291.40** |
| **18.98.2** | **For 22.22 mm outer dia x 15 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 8911 | Valve Connector for 22.22 mm outer dia X 15 mm nominal dia threaded | each | 1.00 | 256.88 | 256.88 | |
| | TOTAL | | | | 256.88 | |
| | Add Water Charges @ 1% | | | | 2.57 | |
| | TOTAL | | | | 259.45 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 36.45 | |
| | TOTAL | | | | 295.90 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 44.39 | |
| | Cost of each | | | | 340.29 | |
| | add 1% labour cess | | | | 3.40 | |
| | Say | | | | 343.70 | |
| **18.98.3** | **For 22.22 mm outer dia x 20 mm nominal dia threaded.** | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8912 | Valve Connector for 22.22 mm outer dia X 20 mm nominal dia threaded | each | 1.00 | 274.56 | 274.56 | |
| | TOTAL | | | | 274.56 | |
| | Add Water Charges @ 1% | | | | 2.75 | |
| | TOTAL | | | | 277.31 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 38.96 | |
| | TOTAL | | | | 316.27 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 47.44 | |
| | Cost of each | | | | 363.71 | |
| | add 1% labour cess | | | | 3.64 | |
| | Say | | | | 367.30 | |
| **18.98.4** | **For 28.58 mm outer dia x 25 mm nominal dia threaded.** | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8913 | Valve Connector for 28.58 mm outer dia X 25 mm nominal dia threaded | each | 1.00 | 394.63 | 394.63 | |
| | TOTAL | | | | 394.63 | |
| | Add Water Charges @ 1% | | | | 3.95 | |
| | TOTAL | | | | 398.57 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 56.00 | |
| | TOTAL | | | | 454.57 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 68.19 | |
| | Cost of each | | | | 522.76 | |
| | add 1% labour cess | | | | 5.23 | |
| | Say | | | | 528.00 | |
| **18.98.5** | **For 34.00 mm outer dia x 32 mm nominal dia threaded.** | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8914 | Valve Connector for 34.00 mm outer dia X 32 mm nominal dia threaded | each | 1.00 | 585.43 | 585.43 | |
| | TOTAL | | | | 585.43 | |
| | Add Water Charges @ 1% | | | | 5.85 | |
| | TOTAL | | | | 591.28 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 83.07 | |
| | TOTAL | | | | 674.35 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 101.15 | |
| | Cost of each | | | | 775.51 | |
| | add 1% labour cess | | | | 7.76 | |
| | Say | | | | 783.30 | |
| **18.98.6** | **For 42.70 mm outer dia x 40 mm nominal dia threaded.** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8915 | Valve Connector for 42.70 mm outer dia X 40 mm nominal dia threaded | each | 1.00 | 814.38 | 814.38 |
| | TOTAL | | | | 814.38 |
| | Add Water Charges @ 1% | | | | 8.14 |
| | TOTAL | | | | 822.53 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 115.57 |
| | TOTAL | | | | 938.09 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 140.71 |
| | Cost of each | | | | 1078.81 |
| | add 1% labour cess | | | | 10.79 |
| | Say | | | | 1089.60 |
| **18.98.7** | **For 48.60 mm outer dia x 50 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8916 | Valve Connector for 48.60 mm outer dia X 50 mm nominal dia threaded | each | 1.00 | 1094.53 | 1094.53 |
| | TOTAL | | | | 1094.53 |
| | Add Water Charges @ 1% | | | | 10.95 |
| | TOTAL | | | | 1105.48 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 155.32 |
| | TOTAL | | | | 1260.80 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 189.12 |
| | Cost of each | | | | 1449.91 |
| | add 1% labour cess | | | | 14.50 |
| | Say | | | | 1464.40 |
| **18.99** | **Providing and fixing required Stainless Steel Fitti ng of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per dirction of Engineerin-charge.** | | | | |
| | **Female Threaded Elbow 90o** | | | | |
| **18.99.1** | **For 15.88 mm outer dia x 15 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8917 | Female Threaded Elbow 90 0 for 15.88 mm outer dia X 15 mm nominal dia threaded | each | 1 | 139.61 | 139.61 |
| | TOTAL | | | | 139.61 |
| | Add Water Charges @ 1% | | | | 1.40 |
| | TOTAL | | | | 141.00 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 19.81 |
| | TOTAL | | | | 160.82 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 24.12 |
| | Cost of each | | | | 184.94 |
| | add 1% labour cess | | | | 1.85 |
| | Say | | | | **186.80** |
| **18.99.2** | **For 22.22 mm outer dia x 15 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8918 | Female Threaded Elbow 90 0 for 22.22 mm outer dia X 15 mm nominal dia threaded | each | 1.00 | 177.77 | 177.77 |
| | TOTAL | | | | 177.77 |
| | Add Water Charges @ 1% | | | | 1.78 |
| | TOTAL | | | | 179.55 (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 25.23 |
| | TOTAL | | | | 204.77 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 30.72 |
| | Cost of each | | | | 235.49 |
| | add 1% labour cess | | | | 2.35 |
| | Say | | | | 237.80 |
| **18.99.3** | **For 22.22 mm outer dia x 20 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8919 | Female Threaded Elbow 90 0 for 22.22 mm outer dia X 20 mm nominal dia threaded | each | 1.00 | 177.77 | 177.77 |
| | TOTAL | | | | 177.77 |
| | Add Water Charges @ 1% | | | | 1.78 |
| | TOTAL | | | | 179.55 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 25.23 |
| | TOTAL | | | | 204.77 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 30.72 |
| | Cost of each | | | | 235.49 |
| | add 1% labour cess | | | | 2.35 |
| | Say | | | | 237.80 |
| **18.99.4** | **For 25.58 mm outer dia x 25 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8920 | Female Threaded Elbow 90 0 for 28.58 mm outer dia X 25 mm nominal dia threaded | each | 1.00 | 190.80 | 190.80 |
| | TOTAL | | | | 190.80 |
| | Add Water Charges @ 1% | | | | 1.91 |
| | TOTAL | | | | 192.71 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 27.08 |
| | TOTAL | | | | 219.78 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 32.97 |
| | Cost of each | | | | 252.75 |
| | add 1% labour cess | | | | 2.53 |
| | Say | | | | 255.30 |
| **18.99.5** | **For 34.00 mm outer dia x 32 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8921 | Female Threaded Elbow 90 0 for 34.00 mm outer dia X 32 mm nominal dia threaded | each | 1.00 | 267.12 | 267.12 |
| | TOTAL | | | | 267.12 |
| | Add Water Charges @ 1% | | | | 2.67 |
| | TOTAL | | | | 269.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 37.91 |
| | TOTAL | | | | 307.69 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 46.15 |
| | Cost of each | | | | 353.85 |
| | add 1% labour cess | | | | 3.54 |
| | Say | | | | 357.40 |
| **18.99.6** | **For 42.70 mm outer dia x 32 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8922 | Female Threaded Elbow 90 0 for 42.70 mm outer dia X 32 mm nominal dia threaded | each | 1.00 | 444.89 | 444.89 |
| | TOTAL | | | | 444.89 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | 4.45 | |
| | TOTAL | | | | 449.33 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 63.13 | |
| | TOTAL | | | | 512.47 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 76.87 | |
| | Cost of each | | | | 589.34 | |
| | add 1% labour cess | | | | 5.89 | |
| | Say | | | | 595.20 | |
| **18.99.7** | **For 42.70 mm outer dia x 40 mm nominal dia threaded.** | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8923 | Female Threaded Elbow 90 0 for 42.70 mm outer dia X40 mm nominal dia threaded | each | 1.00 | 1068.12<br>444.89 | 1068.12 | |
| | TOTAL | | | | 1068.12 | |
| | Add Water Charges @ 1% | | | | 10.68 | |
| | TOTAL | | | | 1078.80 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 151.57 | |
| | TOTAL | | | | 1230.37 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 184.56 | |
| | Cost of each | | | | 1414.93 | |
| | add 1% labour cess | | | | 14.15 | |
| | Say | | | | 1429.10 | |
| **18.99.8** | **For 48.60 mm outer dia x 40 mm nominal dia threaded.** | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8924 | Female Threaded Elbow 90 0 for 48.60 mm outer dia X 40 mm nominal dia threaded | each | 1.00 | 635.68 | 635.68 | |
| | TOTAL | | | | 635.68 | |
| | Add Water Charges @ 1% | | | | 6.36 | |
| | TOTAL | | | | 642.04 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 | |
| | TOTAL | | | | 732.25 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 | |
| | Cost of each | | | | 842.08 | |
| | add 1% labour cess | | | | 8.42 | |
| | Say | | | | 850.50 | |
| **18.99.9** | **For 48.60 mm outer dia x 50 mm nominal dia threaded.** | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8925 | Female Threaded Elbow 90 0 for 48.60 mm outer dia X 50 mm nominal dia threaded | each | 1.00 | 635.68 | 635.68 | |
| | TOTAL | | | | 635.68 | |
| | Add Water Charges @ 1% | | | | 6.36 | |
| | TOTAL | | | | 642.04 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 | |
| | TOTAL | | | | 732.25 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 | |
| | Cost of each | | | | 842.08 | |
| | add 1% labour cess | | | | 8.42 | |
| | Say | | | | **850.50** | |
| **18.100** | **Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per dirction of Engineerin-charge.** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | **Male Threaded Elbow90o** | | | | |
| **18.100.1** | **For 15.88 mm outer dia x 15 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8926 | Male Threaded Elbow 90 0 for 15.88 mm outer dia X 15 mm nominal dia threaded | each | 1.00 | 177.77 | 177.77 |
| | TOTAL | | | | 177.77 |
| | Add Water Charges @ 1% | | | | 1.78 |
| | TOTAL | | | | 179.55 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 25.23 |
| | TOTAL | | | | 204.77 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 30.72 |
| | Cost of each | | | | 235.49 |
| | add 1% labour cess | | | | 2.35 |
| | Say | | | | 237.80 |
| **18.100.2** | **For 22.22 mm outer dia x 15 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8927 | Male Threaded Elbow 90 0 for 22.22 mm outer dia X 15 mm nominal dia threaded | each | 1.00 | 190.80 | 190.80 |
| | TOTAL | | | | 190.80 |
| | Add Water Charges @ 1% | | | | 1.91 |
| | TOTAL | | | | 192.71 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 27.08 |
| | TOTAL | | | | 219.78 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 32.97 |
| | Cost of each | | | | 252.75 |
| | add 1% labour cess | | | | 2.53 |
| | Say | | | | 255.30 |
| **18.100.3** | **For 22.22 mm outer dia x 20 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8928 | Male Threaded Elbow 90 0 for 22.22 mm outer dia X 20 mm nominal dia threaded | each | 1.00 | 190.80 | 190.80 |
| | TOTAL | | | | 190.80 |
| | Add Water Charges @ 1% | | | | 1.91 |
| | TOTAL | | | | 192.71 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 27.08 |
| | TOTAL | | | | 219.78 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 32.97 |
| | Cost of each | | | | 252.75 |
| | add 1% labour cess | | | | 2.53 |
| | Say | | | | 255.30 |
| **18.100.4** | **For 28.58 mm outer dia x 25 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8929 | Male Threaded Elbow 90 0 for 28.58 mm outer dia X 25 mm nominal dia threaded | each | 1.00 | 190.80 | 190.80 |
| | TOTAL | | | | 190.80 |
| | Add Water Charges @ 1% | | | | 1.91 |
| | TOTAL | | | | 192.71 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 27.08 |
| | TOTAL | | | | 219.78 (Y) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add CPOH @ 15% on "Y" | | | | 32.97 |
| | Cost of each | | | | 252.75 |
| | add 1% labour cess | | | | 2.53 |
| | Say | | | | 255.30 |
| **18.100.5** | **For 34.00 mm outer dia x 25 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8930 | MaleThreaded Elbow 90 0 for 34.00 mm outer dia X 25 mm nominal dia threaded | each | 1.00 | 267.12 | 267.12 |
| | TOTAL | | | | 267.12 |
| | Add Water Charges @ 1% | | | | 2.67 |
| | TOTAL | | | | 269.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 37.91 |
| | TOTAL | | | | 307.69 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 46.15 |
| | Cost of each | | | | 353.85 |
| | add 1% labour cess | | | | 3.54 |
| | Say | | | | 357.40 |
| **18.100.6** | **For 34.00 mm outer dia x 32 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8931 | Male Threaded Elbow 90 0 for 34.00 mm outer dia X 32 mm nominal dia threaded | each | 1.00 | 267.12 | 267.12 |
| | TOTAL | | | | 267.12 |
| | Add Water Charges @ 1% | | | | 2.67 |
| | TOTAL | | | | 269.79 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 37.91 |
| | TOTAL | | | | 307.69 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 46.15 |
| | Cost of each | | | | 353.85 |
| | add 1% labour cess | | | | 3.54 |
| | Say | | | | 357.40 |
| **18.100.7** | **For 42.70 mm outer dia x 32 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8932 | Male Threaded Elbow 90 0 for 42.70 mm outer dia X 32 mm nominal dia threaded | each | 1.00 | 444.89 | 444.89 |
| | TOTAL | | | | 444.89 |
| | Add Water Charges @ 1% | | | | 4.45 |
| | TOTAL | | | | 449.33 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 63.13 |
| | TOTAL | | | | 512.47 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 76.87 |
| | Cost of each | | | | 589.34 |
| | add 1% labour cess | | | | 5.89 |
| | Say | | | | 595.20 |
| **18.100.8** | **For 42.70 mm outer dia x 40 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8933 | Male Threaded Elbow 90 0 for 42.70 mm outer dia X40 mm nominal dia threaded | each | 1.00 | 444.89 | 444.89 |
| | TOTAL | | | | 444.89 |
| | Add Water Charges @ 1% | | | | 4.45 |
| | TOTAL | | | | 449.33 (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 63.13 |
| | TOTAL | | | | 512.47 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 76.87 |
| | Cost of each | | | | 589.34 |
| | add 1% labour cess | | | | 5.89 |
| | Say | | | | 595.20 |
| **18.100.9** | **For 48.60 mm outer dia x 40 mm nominal dia threaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8934 | Male Threaded Elbow 90 0 for 48.60 mm outer dia X 40 mm nominal dia threaded | each | 1.00 | 635.68 | 635.68 |
| | TOTAL | | | | 635.68 |
| | Add Water Charges @ 1% | | | | 6.36 |
| | TOTAL | | | | 642.04 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 |
| | TOTAL | | | | 732.25 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 |
| | Cost of each | | | | 842.08 |
| | add 1% labour cess | | | | 8.42 |
| | Say | | | | 850.50 |
| **18.100.10** | **For 48.60 mm outer dia x 50 mm nominal diathreaded.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8935 | Male Threaded Elbow 90 0 for 48.60 mm outer dia X 50 mm nominal dia threaded | each | 1.00 | 635.68 | 635.68 |
| | TOTAL | | | | 635.68 |
| | Add Water Charges @ 1% | | | | 6.36 |
| | TOTAL | | | | 642.04 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 90.21 |
| | TOTAL | | | | 732.25 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 109.84 |
| | Cost of each | | | | 842.08 |
| | add 1% labour cess | | | | 8.42 |
| | Say | | | | 850.50 |
| **18.101** | **Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per dirction of Engineer-in-charge. Cap.** | | | | |
| **18.101.1** | **For 15.88 mm outer dia pipe.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8936 | Cap for 15.88 mm outer dia pipe | each | 1.00 | 41.88 | 41.88 |
| | TOTAL | | | | 41.88 |
| | Add Water Charges @ 1% | | | | 0.42 |
| | TOTAL | | | | 42.30 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 5.94 |
| | TOTAL | | | | 48.24 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 7.24 |
| | Cost of each | | | | 55.48 |
| | add 1% labour cess | | | | 0.55 |
| | Say | | | | **56.00** |
| **18.101.2** | **For 22.22 mm outer dia pipe.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 8937 | Cap for 22.22 mm outer dia pipe | each | 1.00 | 59.57 | 59.57 | |
| | TOTAL | | | | 59.57 | |
| | Add Water Charges @ 1% | | | | 0.60 | |
| | TOTAL | | | | 60.16 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 8.45 | |
| | TOTAL | | | | 68.61 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 10.29 | |
| | Cost of each | | | | 78.91 | |
| | add 1% labour cess | | | | 0.79 | |
| | Say | | | | **79.70** | |
| **18.101.3** | **For 28.58 mm outer dia pipe.** | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8938 | Cap for 28.58 mm outer dia pipe | each | 1.00 | 78.18 | 78.18 | |
| | TOTAL | | | | 78.18 | |
| | Add Water Charges @ 1% | | | | 0.78 | |
| | TOTAL | | | | 78.96 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 11.09 | |
| | TOTAL | | | | 90.06 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 13.51 | |
| | Cost of each | | | | 103.57 | |
| | add 1% labour cess | | | | 1.04 | |
| | Say | | | | **104.60** | |
| **18.101.4** | **For 34.00 mm outer dia pipe.** | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8939 | Cap for 34.00 mm outer dia pipe | each | 1.00 | 161.02 | 161.02 | |
| | TOTAL | | | | 161.02 | |
| | Add Water Charges @ 1% | | | | 1.61 | |
| | TOTAL | | | | 162.63 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 22.85 | |
| | TOTAL | | | | 185.47 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 27.82 | |
| | Cost of each | | | | 213.30 | |
| | add 1% labour cess | | | | 2.13 | |
| | Say | | | | **215.40** | |
| **18.101.5** | **For 42.70 mm outer dia pipe.** | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8940 | Cap for 42.70 mm outer dia pipe | each | 1.00 | 235.47 | 235.47 | |
| | TOTAL | | | | 235.47 | |
| | Add Water Charges @ 1% | | | | 2.35 | |
| | TOTAL | | | | 237.83 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 33.41 | |
| | TOTAL | | | | 271.24 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 40.69 | |
| | Cost of each | | | | 311.93 | |
| | add 1% labour cess | | | | 3.12 | |
| | Say | | | | **315.00** | |
| **18.101.6** | **For 48.60 mm outer dia pipe.** | | | | | |
| | Details of Cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 8941 | Cap for 48.60 mm outer dia pipe | each | 1.00 | 307.14 | 307.14 | |
| | TOTAL | | | | 307.14 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | 3.07 |
| | TOTAL | | | | 310.21 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 43.58 |
| | TOTAL | | | | 353.79 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 53.07 |
| | Cost of each | | | | 406.86 |
| | add 1% labour cess | | | | 4.07 |
| | Say | | | | **410.90** |
| **18.102** | **Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to Providing and fixing require d Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with Vprofile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per dirction of Engineer-in-charge.** | | | | |
| | **Pipe Bridge.** | | | | |
| **18.102.1** | **For 15.88 mm outer dia pipe.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8942 | Pipe Bridge for 15.88 mm outer dia pipe | each | 1.00 | 199.17 | 199.17 |
| | TOTAL | | | | 199.17 |
| | Add Water Charges @ 1% | | | | 1.99 |
| | TOTAL | | | | 201.17 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 28.26 |
| | TOTAL | | | | 229.43 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 34.41 |
| | Cost of each | | | | 263.85 |
| | add 1% labour cess | | | | 2.64 |
| | Say | | | | **266.50** |
| **18.102.2** | **For 22.22 mm outer dia pipe.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8943 | Pipe Bridge for 15.88 mm outer dia pipe | each | 1.00 | 252.23 | 252.23 |
| | TOTAL | | | | 252.23 |
| | Add Water Charges @ 1% | | | | 2.52 |
| | TOTAL | | | | 254.75 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 35.79 |
| | TOTAL | | | | 290.54 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 43.58 |
| | Cost of each | | | | 334.12 |
| | add 1% labour cess | | | | 3.34 |
| | Say | | | | **337.50** |
| **18.102.3** | **For 28.58 mm outer dia pipe.** | | | | |
| | Details of Cost for one no. | | | | |
| | MATERIAL: | | | | |
| 8944 | Pipe Bridge for 28.58 mm outer dia pipe | each | 1.00 | 378.80 | 378.80 |
| | TOTAL | | | | 378.80 |
| | Add Water Charges @ 1% | | | | 3.79 |
| | TOTAL | | | | 382.59 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 53.75 |
| | TOTAL | | | | 436.35 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 65.45 |
| | Cost of each | | | | 501.80 |
| | add 1% labour cess | | | | 5.02 |
| | Say | | | | **506.80** |

# SUB HEAD : 19.0

# DRAINAGE

# 19.0 Drainage

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **19.1** | **Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete.** | | | | |
| **19.1.1** | **100 mm diameter.** | | | | |
| | Details of cost for 30 metre. | | | | |
| | MATERIAL: | | | | |
| 1854 | Stoneware pipes grade A (60 cm long) 100 mm dia | each | 55 | 46.54 | 2559.49 |
| | Added 10% allowance for breakage | | | | |
| 2224 | Carriage of S.W. pipes 100 mm dia | 100 metre | 33 | 144.11 | 47.55 |
| | Added 10% allowance for breakage | | | | |
| | Cement for 50 joints = 0.019 tonne | | | | |
| 367 | Portland Cement | tonne | 0.019 | 5474.00 | 104.01 |
| 2209 | Carriage of cement | tonne | 0.019 | 0 | 0.00 |
| 983 | Fine sand (zone IV) | cum | 0.01 | 117.66 | 1.18 |
| 2261 | Carriage of fine sand (1 part COARSE sand: 2 parts FINE sand) | cum | 0.01 | 0 | 0.00 |
| 1881 | Spun yarn | kilogram | 4.5 | 46.54 | 209.41 |
| | or plain gaskin @ 0.09 kg per joint = 0.09x50 = 4.50 kg | | | | |
| | LABOUR: | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 1 | 342.00 | 342.00 |
| 0124 | Mason (brick layer) 2nd class | day | 1 | 305.00 | 305.00 |
| **0114** | **Beldar** | **day** | **3** | **254.00** | **762.00** |
| 0101 | Bhisti | day | 1 | 277.00 | 277.00 |
| | TOTAL | | | | 4607.64 |
| | Add Water Charges @ 1% | | | | 46.08 |
| | TOTAL | | | | 4653.72 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 653.85 |
| | TOTAL | | | | 5307.56 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 796.13 |
| | Cost of 30 metre | | | | 6103.70 |
| | Cost of 1 metre | | | | 203.46 |
| | labour cess @1% | | | | 2.03 |
| | Say | | | | **205.50** |
| 19.1.2 | 150 mm diameter. | | | | |
| | Details of cost for 30 metre. | | | | |
| | MATERIAL: | | | | |
| 1855 | Stoneware pipes grade A (60 cm long) 150 mm dia | each | 55 | 74.46 | 4095.183 |
| | Added 10% allowance for breakage | | | | |
| 2225 | Carriage of S.W. pipes 150 mm dia | 100 metre | 33 | 288.21 | 95.11 |
| | Added 10% allowance for breakage | | | | |
| | Cement of 50 joints = 0.036 tonne | | | | |
| 0367 | Portland Cement | tonne | 0.036 | 5474.00 | 197.06 |
| 2209 | Carriage of cement | tonne | 0.036 | | 0.00 |
| 0983 | Fine sand (zone IV) | cum | 0.019 | 117.66 | 2.24 |
| 2261 | Carriage of fine sand (1 part sand: 2 parts sand) | cum | 0.019 | 0 | 0.00 |
| 1881 | Spun yarn | kilogram | 9 | 46.54 | 418.83 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | or plain gaskin @ 0.18 kg per joint | | | | | |
| | = 0.18x50 = 9 kg | | | | | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 1.5 | 342.00 | 513.00 | |
| 0124 | Mason (brick layer) 2nd class | day | 1.5 | 305.00 | 457.50 | |
| 0114 | Beldar | day | 4 | 254.00 | 1016.00 | |
| 0101 | Bhisti | day | 1 | 277.00 | 277.00 | |
| | TOTAL | | | | 7071.92 | |
| | Add Water Charges @ 1% | | | | 70.72 | |
| | TOTAL | | | | 7142.64 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1003.54 | |
| | TOTAL | | | | 8146.18 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1221.93 | |
| | Cost of 30 metre | | | | 9368.10 | |
| | Cost of 1 metre | | | | 312.27 | |
| | labour cess @1% | | | | 3.12 | |
| | Say | | | | **315.40** | |
| 19.1.3 | 200 mm diameter. | | | | | |
| | Details of cost for 30 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1856 | Stoneware pipes grade A (60 cm long) 200 mm dia | each | 55 | 102. 38 | 5630.8766 | |
| | Added 10% allowance for breakage | | | | | |
| 2226 | Carriage of S.W. pipes 200 mm dia | 100 metre | 33 | 480.34 | 158.51 | |
| | Added 10% allowance for breakage | | | | | |
| | Cement of 50 joints = 0.053 tonne | | | | | |
| 0367 | Portland Cement | tonne | 0.053 | 5474.00 | 290.12 | |
| 2209 | Carriage of cement | tonne | 0.053 | 0 | 0.00 | |
| 0983 | Fine sand (zone IV) | cum | 0.028 | 117.66 | 3.29 | |
| 2261 | Carriage of fine sand (1 partCOARSE sand: 2 parts FINE sand) | cum | 0.028 | 0 | 0.00 | |
| 1881 | Spun yarn | kilogram | 12 | 46.53617 | 558.43 | |
| | or plain gaskin @ 0.24 kg per joint | | | | | |
| | = 0.24x50 =12.00 kg | | | | | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 1.75 | 342.00 | 598.50 | |
| 0124 | Mason (brick layer) 2nd class | day | 1.75 | 305.00 | 533.75 | |
| 0114 | Beldar | day | 4.5 | 254.00 | 1143.00 | |
| 0101 | Bhisti | day | 1.25 | 277.00 | 346.25 | |
| | TOTAL | | | | 9262.74 | |
| | Add Water Charges @ 1% | | | | 92.63 | |
| | TOTAL | | | | 9355.37 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1314.43 | |
| | TOTAL | | | | 10669.80 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1600.47 | |
| | Cost of 30 metre | | | | 12270.27 | |
| | Cost of 1 metre | | | | 409.01 | |
| | labour cess @1% | | | | 4.09 | |
| | Say | | | | **413.10** | |
| 19.1.5 | 250 mm diameter. | | | | | |
| | Details of cost for 30 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1858 | Stoneware pipes grade A (60 cm long) 250 mm dia | each | 55 | 195.45 | 10749.855 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Added 10% allowance for breakage | | | | | |
| 2228 | Carriage of S.W. pipes 250 mm dia | 100 metre | 33 | 823.45 | 271.74 | |
| | Added 10% allowance for breakage | | | | | |
| | Cement of 50 joints = 0.094 tonne | | | | | |
| 0367 | Portland Cement | tonne | 0.094 | 5474.00 | 514.56 | |
| 2209 | Carriage of cement | tonne | 0.094 | 0 | 0.00 | |
| 0983 | Fine sand (zone IV) | cum | 0.05 | 117.66 | 5.88 | |
| 2261 | Carriage of fine sand (1 part badarpur sand: | cum | 0.05 | 0 | 0.00 | |
| | 2 parts jamuna sand) | | | | | |
| 1881 | Spun yarn | kilogram | 15 | 46.53617 | 698.04 | |
| | or plain gaskin @ 0.30 kg per joint | | | | | |
| | = 0.30x50= 15.00 kg | | | | | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 2.25 | 342.00 | 769.50 | |
| 0124 | Mason (brick layer) 2nd class | day | 2.25 | 305.00 | 686.25 | |
| 0114 | Beldar | day | 5.5 | 254.00 | 1397.00 | |
| 0101 | Bhisti | day | 1.5 | 277.00 | 415.50 | |
| | TOTAL | | | | 15508.33 | |
| | Add Water Charges @ 1% | | | | 155.08 | |
| | TOTAL | | | | 15663.41 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 2200.71 | |
| | TOTAL | | | | 17864.12 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2679.62 | |
| | Cost of 30 metre | | | | 20543.73 | |
| | Cost of 1 metre | | | | 684.79 | |
| | labour cess @1% | | | | 6.85 | |
| | Say | | | | **691.60** | |
| **19.1.6** | **300 mm diameter.** | | | | | |
| | Details of cost for 30 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1859 | Stoneware pipes grade A (60 cm long) | each | 55 | 223.37 | 12285.549 | |
| | 300 mm dia | | | | | |
| | Added 10% allowance for breakage | | | | | |
| 2229 | Carriage of S.W. pipes 300 mm dia | 100 metre | 33 | 1029.31 | 339.7 | |
| | Added 10% allowance for breakage | | | | | |
| | Cement of 50 joints = 0.125 tonne | | | | | |
| 0367 | Portland Cement | tonne | 0.125 | 5474.00 | 684.25 | |
| 2209 | Carriage of cement | tonne | 0.125 | 0 | 0.00 | |
| 0983 | Fine sand (zone IV) | cum | 0.075 | 117.66 | 8.82 | |
| 2261 | Carriage of fine sand (1 part badarpur sand: | cum | 0.075 | 0 | 0.00 | |
| | 2 parts jamuna sand) | | | | | |
| 1881 | Spun yarn | kilogram | 18 | 46.53617 | 837.65 | |
| | or plain gaskin @ 0.36 kg / joint | | | | | |
| | = 0.36x50 =18.00 kg | | | | | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 2.5 | 342.00 | 855.00 | |
| 0124 | Mason (brick layer) 2nd class | day | 2.5 | 305.00 | 762.50 | |
| 0114 | Beldar | day | 6 | 254.00 | 1524.00 | |
| 0101 | Bhisti | day | 1.5 | 277.00 | 415.50 | |
| | TOTAL | | | | 17712.9 | |
| | Add Water Charges @ 1% | | | | 177.13 | |
| | TOTAL | | | | 17890.08 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 2513.56 | |
| | TOTAL | | | | 20403.63 | (Y) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add CPOH @ 15% on "Y" | | | | 3060.54 |
| | Cost of 30 metre | | | | 23464.2 |
| | Cost of 1 metre | | | | 782.14 |
| | labour cess @1% | | | | 7.82 |
| | Say | | | | **790.00** |
| **19.2** | **Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design.** | | | | |
| 19.2.1 | 100 mm diameter S.W. pipe.<br>Details of cost for 10 metres.<br>Area = W x W/2 + ½ x (3.14 x $W^2$ / 4) - (3.14 x $D^2$ / 4)<br>= $W^2$ x (0.5 + 3.14 / 8) - (3.14 x $D^2$ / 4)<br>Where W = D + X<br>D = 100 + 12 + 12 = 124 mm or 12.4 cm<br>X = 300 mm as trench depth is less than 1200 mm<br>W = 12.4 + 30 = 42.40<br>Area<br>= $42.4^2$ x ( 0.50 + 3.14/ 8) - (3.14 x $12.4^2$/4)<br>= 1484 sqcm = 0.1484 sqm Say 0.148 sqm<br>For 10 m length quantity of concrete required = 1.48 cum | | | | |
| 4.1.10 | Rate as per Item Number 4.1.10 of SH: Concrete work | cum | 1.48 | 2621.63 | 3880.02 |
| | TOTAL | | | | 3880.02 |
| | Cost of 10 metre | | | | 3880.02 |
| | Cost of 1 metre | | | | 388.00 |
| | labour cess @1% | | | | 3.88 |
| | Say | | | | 391.90 |
| **19.2.2** | **150 mm diameter S.W. pipe.**<br>Details of cost for 10 metres.<br>Area = W x W/2 + ½ x (3.14 x $W^2$ / 4) - (3.14 x $D^2$ / 4)<br>= $W^2$ x (0.5 + 3.14 / 8) - (3.14 x $D^2$ / 4)<br>Where W = D + X<br>D = 150 + 16 + 16 = 182.00 mm or 18.20 cm<br>X = 300 mm as trench depth is less than 1200 mm<br>W = 18.2 + 30 = 48.20<br>Area<br>= $48.2^2$ x ( 0.50 + 3.14/ 8) - (3.14 x $18.2^2$/4)<br>= 1807.66 sqcm = 0.1808 sqm Say 0.181 sqm<br>For 10 m length quantity of concrete required = 1.81 cum | | | | |
| **4.1.10** | Rate as per Item Number 4.1.10 of SH: Concrete work | cum | 1.81 | 2621.63 | 4745.15 |
| | TOTAL | | | | 4745.15 |
| | Cost of 10 metre | | | | 4745.15 |
| | Cost of 1 metre | | | | 474.52 |
| | labour cess @1% | | | | 4.75 |
| | Say | | | | **479.30** |
| **19.2.3** | **200 mm diameter S.W. pipe.** | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Details of cost for 10 metres.<br>Area = W x W/2 + ½ x (3.14 x W² / 4) - (3.14 x D² / 4)<br>= W² x (0.5 + 3.14 / 8) - (3.14 x D² / 4)<br>Where W = D + X<br>D = 200 + 17 + 17 = 234 mm or 23.4 cm<br>X = 300 mm as trench depth is less than 1200 mm<br>W = 23.4 + 30 = 53.40<br>Area<br>= 53.4² x ( 0.5 + 3.14 / 8) - (3.14 x 23.4²/4)<br>= 2115 sqcm = 0.2115 sqm Say 0.211 sqm<br>For 10 m length quantity of concrete required = 2.11 cum | | | | |
| 4.1.10 | Rate as per Item Number 4.1.10 of SH: Concrete work | cum | 2.11 | 2621.63 | 5531.64 |
| | TOTAL | | | | 5531.64 |
| | Cost of 10 metre | | | | 5531.64 |
| | Cost of 1 metre | | | | 553.16 |
| | labour cess @1% | | | | 5.53 |
| | Say | | | | **558.70** |
| **19.2.4** | **250 mm diameter S.W. pipe.**<br>Details of cost for 10 metres.<br>Area = W x W/2 + ½ x (3.14 x W² / 4) - (3.14 x D² / 4)<br>= W² x (0.50 + 3.14 / 8) - (3.14 x D² / 4)<br>Where W = D + X<br>D = 250 + 20 + 20 = 290 mm or 29 cm<br>X = 300 mm as trench depth is less than 1200 mm<br>W = 29 + 30 = 59.00<br>Area<br>= 59² x ( 0.50 + 3.14/ 8) - (3.14 x 29²/4)<br>= 2447 sqcm = 0.2447 sqm. Say 0.244 sqm<br>For 10 m length quantity of concrete required = 2.44 cum | | | | |
| 4.1.10 | Rate as per Item Number 4.1.10 of SH: Concrete work | cum | 2.44 | 2621.63 | 6396.78 |
| | TOTAL | | | | 6396.78 |
| | Cost of 10 metre | | | | 6396.78 |
| | Cost of 1 metre | | | | 639.68 |
| | labour cess @1% | | | | 6.40 |
| | Say | | | | **646.10** |
| **19.3** | **Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design.** | | | | |
| **19.3.1** | **100 mm diameter S.W. pipe.**<br>Details of cost for 10 metres.<br>Area = WxD1 + 2x½xR cot QxR- [R²/2(3.14/2-Q)] - (3.14/2)R²<br>= WD1 + R²(cot Q) - R²(3.14/2 - Q) -(3.14/2)R²<br>= WD1+R²(cot Q-3.14 + Q)<br>Where sin Q = [R/(W/2)] = 2R/W<br>W = D + X | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | X = 300 mm, D = 100 + 12 + 12 =124.00 mm<br>W= 124+ 300 = 424 mm<br>D1 = Depth = 100 + (½ x 124) = 162.00 mm<br>R = 62 mm<br>sin Q = (2x62)/424 = 0.292<br>Therefore Q = 17°0'<br>Hence tan Q = 0.3057<br>Area = 424 x 162.00 + (62)² (Cot Q - 3.14 + Q)<br>= [68688 + 3844 (1/0.3057 - 180° + 17°0')] sqmm<br>= [68688 + 3844 (3.27 - 163°0' x 3.14/180)] sqmm<br>= (68688 + 3844 x 0.43) sqmm<br>= (68688 + 1652.92) sqmm = 70340.92 sqmm<br>Say 70341 sqmm or 0.070341 sqm<br>For 10 m length qty. of concrete reqd. = 0.07034x10 = 0.7034 cum | | | | |
| 4.1.10 | Rate as per Item Number 4.1.10 of SH: Concrete work | cum | 0.7034 | 2621.63 | 1844.06 |
| | TOTAL | | | | 1844.06 |
| | Cost of 10 metre | | | | 1844.06 |
| | Cost of 1 metre | | | | 184.41 |
| | labour cess @1% | | | | 1.84 |
| | Say | | | | **186.20** |
| **19.3.2** | **150 mm diameter S.W. pipe.**<br>Details of cost for 10 metres.<br>Area = WxD1 + 2x½xRcot Q R- [R²/2 (3.14/2-Q)] - (3.14/2)R²<br>= WD1 + R²(Cot Q) - R²(3.14/2 - Q) - (3.14/2)R²<br>= WD1 + R²(Cot Q - 3.14 + Q)<br>Where Sin Q = [R/(W/2)] = 2R/W<br>W = D + X, X = 300mm<br>D= 150+ 16+ 16 = 182.00 mm<br>W= 182 + 300 = 482.00 mm<br>D1 = Depth = 150 + (½ x 182) = 241.00 mm<br>R = 91 mm<br>Sin Q = (2x91)/482 = 0.3776 therefore Q = 22°12'<br>Hence Tan Q = 0.4081<br>Area = 482x241 +(91)²(Cot Q - 3.14 + Q)<br>= [116162 + 8281 (1/0.4081-180° +22°12')] sqmm<br>= [116162 + 8281 (2.45-157°48'x3.14/180)] sqmm<br>= [116162 + 8281 x (2.45-2.75)] sqmm<br>= [116162 + 8281 x (-0.30)] sqmm<br>= (116162 - 2484.3) sqmm = 113677.7 sqmm<br>Say 113677.7 sqmm or 0.1136777 sqm<br>For 10 m length qty. of concrete reqd. = 0.1136777x10= 1.136777 cum Say 1.14 cum | | | | |
| 4.1.10 | Rate as per Item Number 4.1.10 of SH: Concrete work | cum | 1.14 | 2621.63 | 2988.66 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 2988.66 |
| | Cost of 10 metre | | | | 2988.66 |
| | Cost of 1 metre | | | | 298.87 |
| | labour cess @1% | | | | 2.99 |
| | Say | | | | **301.90** |
| **19.3.3** | **200 mm diameter S.W. pipe.**<br>Details of cost for 10 metres.<br>Area = WxD1 + 2x½xR Cot Q.R.- [R²/2 (3.14/2-Q)] -(3.14/2)R²<br>= WD1 + R²(Cot Q) - R²(3.14/2 - Q) - (3.14/2)R²<br>= WD1 + R²(Cot Q - 3.14 + Q)<br>Where Sin Q = [R/(W/2)] = 2R/W<br>W = D + X, X = 300.00 mm<br>D = 200 + 17 + 17 = 234 mm<br>W = 234 + 300 = 534.00 mm<br>D1 = Depth = 150 + (½ x 234) = 267.00 mm<br>R= 117mm<br>Sin Q = (2x117)/534 = 0.4382 thereforeQ = 26°0' Hence Tan Q = 0.4877<br>Area = 534 x 267 + (117)² (Cot Q - 3.14 + Q)<br>= [142578 + 13689 (1/0.4877-180° + 26°0')] sqmm<br>= [142578 + 13689 (2.05- 54°0' x 3.14/180)] sqmm<br>= [142578 + 13689 x (2.05-2.69)] sqmm<br>= [142578 + 13689 x (-0.64)] sqmm<br>= (142578 - 8760.96) sqmm = 133817.04 sqmm<br>Say 133817 sqmm or 0.134 sqm<br>For 10 m length qty. of concrete reqd. = 0.134x10= 1.34 cum | | | | |
| 4.1.10 | Rate as per Item Number 4.1.10 of SH: Concrete work | cum | 1.34 | 2621.63 | 3512.99 |
| | TOTAL | | | | 3512.99 |
| | Cost of 10 metre | | | | 3512.99 |
| | Cost of 1 metre | | | | 351.30 |
| | labour cess @1% | | | | 3.51 |
| | Say | | | | **354.80** |
| 19.3.4 | 250 mm diameter S.W. pipe.<br>Details of cost for 10 metres.<br>Area = WxD1 + 2x½xR - [R²/2(3.14/2-Q)] - (3.14/2)R²<br>= WD1 + R²(Cot Q) - R²(3.14/2 - Q) - (3.14/2)R² = WD1 +R²(CotQ-3.14 + Q)<br>Where Sin Q = [R/(W/2)] = 2R/W<br>W = D + X, X = 300 mm<br>D = 250 + 20 + 20= 290.00 mm<br>W = 290 + 300 = 590 mm<br>D1 = Depth = 150 + QA x 290) = 295.00 mm<br>R = 145 mm<br>Sin Q = (2xl45)/590 = 0.49154 therefore Q = 29°26' | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Hence Tan Q = 0.5635<br>Area = 590 x 295 + (145)² (Cot Q - 3.14 + Q)<br>=[174050 + 21025(1/0.5635- 180° + 29°26')] sqmm<br>= [174050 + 21025(1.77- 150°34'x 3.14/180)] sqmm<br>= [ 174050 + 21025 x (1.77-2.63)] sqmm<br>= [ 174050 + 21025 x (-0.86)] sqmm<br>= (174050 - 18081.5) sqmm = 155968.50 sqmm<br>Say 155968 sqmm or 0.156 sqm<br>For 10 m length qty. of concrete reqd.<br>= 0.156x10= 1.56 cum | | | | |
| 4.1.10 | Rate as per Item Number 4.1.10 of SH: Concrete work | cum | 1.56 | 2621.63 | 4089.75 |
| | TOTAL | | | | 4089.75 |
| | Cost of 10 metre | | | | 4089.75 |
| | Cost of 1 metre | | | | 408.97 |
| | labour cess @1% | | | | 4.09 |
| | Say | | | | **413.10** |
| **19.3.5** | **300 mm diameter S.W. pipe.**<br>Details of cost for 10 metres.<br>Area= WxD1 + 2x½xR - [R²/2(3.14/2-Q)] - (3.14/2)R²<br>= WD1 + R²(Cot Q) - R²(3.14/2 - Q) - (3.14/2)R²<br>= WD1 + R²(Cot Q - 3.14 + Q)<br>Where Sin Q = [R/(W/2)] = 2R/W<br>W = D + X, X = 300 mm<br>D = 300 + 25 + 25 = 350.00 mm<br>W = 350 + 300 = 650.00 mm<br>D1 = Depth = 150 + (1/2 x 350) = 325.00 mm<br>R = 175 mm<br>Sin Q = (2xl75)/650 = 0.5385<br>therefore Q = 32°34'<br>Hence Tan Q = 0.6387<br>Area = 650 x 325 + (175)² (Cot Q - 3.14 + Q)<br>= [211250 + 30625(1/0.6387- 180° + 32°34')] sqmm<br>= [211250 + 30625(1.566- 147°26'x 3.14/180)] sqmm<br>= [211250 + 30625 x (1.566-2.571)] sqmm<br>= [211250 + 30625 x (-1.005)] sqmm<br>= [211250 - 30778.13) sqmm<br>= 180471.87 sqmm<br>Say 0.180 sqm<br>For 10 m length qty. of concrete reqd. = 0.180x10= 1.80 cum | | | | |
| 4.1.10 | Rate as per Item Number 4.1.10 of SH: Concrete work | cum | 1.8 | 2621.63 | 4718.94 |
| | TOTAL | | | | 4718.94 |
| | Cost of 10 metre | | | | 4718.94 |
| | Cost of 1 metre | | | | 471.89 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | labour cess @1% | | | | 4.72 | |
| | Say | | | | **476.60** | |
| **19.4** | **Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design.** | | | | | |
| **19.4.1** | **100x100 mm size P type.** | | | | | |
| **19.4.1.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 100a** | | | | | |
| | Details of cost for one gully trap. | | | | | |
| 1900 | S.W. gully trap P type 100x100 mm | each | 1 | 83.77 | 83.77 | |
| 1364 | C.I. grating 100x100 mm | each | 1 | 13.96 | 13.96 | |
| 1352 | C.I. cover and frame 300x300 mm inside | each | 1 | 279.22 | 279.22 | |
| 9999 | Carriage of materials | L.S. | 4.5 | 1.80 | 8.10 | |
| | Cement concrete 1:5:10 ( 1 cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size) | | | | | |
| | 0.68x0.68x0.10 m = 0.046 cum | | | | | |
| | Concrete around trap | | | | | |
| | 0.30x0.30x0.675 m = 0.061 cum | | | | | |
| | Total =0.107 cum | | | | | |
| | Deduct: | | | | | |
| | 0.345/3x[0.09+0.01+(0.09x0.01)/2] = 0.015 cum | | | | | |
| | $3.14/4x(0.124)^2x0.47$ = 0.006 cum | | | | | |
| | Total = 0.021 cum | | | | | |
| | Net quantity = 0.107 cum (-) 0.021 cum = 0.086 cum say 0.09 cum | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work | cum | 0. 09 | 2621.63 | 235.95 | A |
| | Brick work with 75 class designation brick in cement mortar 1:4(1 cement: 4 coarse sand) | | | | | |
| | 1.66x0.115x0.675 m = 0.129 cum | | | | | |
| | say 0.13 cum | | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work | cum | 0.13 | 4987.334 | 648.35 | A |
| | Cement concrete 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) | | | | | |
| | 1.66x0.115x0.04 m = 0.008 cum | | | | | |
| 4.2.3 | Rate as per Item Number 4.2.3 of SH: Concrete work | cum | 0.008 | 5048.13 | 40.39 | A |
| | 12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement: | | | | | |
| | [l/2x0.358x(l.20+0.40)] = 0.286 sqm say 0.29 sqm | | | | | |
| 13.17.1 | Rate as per Item Number 13.17.1.1 of SH: Finishing | sqm | 0.29 | 188.90 | 54.78 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL A | | | | 979.47 | |
| | TOTAL | | | | 1364.51 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 3.85 | |
| | TOTAL | | | | 1368.36 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 54.64 | |
| | TOTAL | | | | 1423.00 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 66.53 | |
| | Cost of each | | | | 1489.53 | |
| | labour cess @1% | | | | 14.90 | |
| | Say | | | | **1504.40** | |
| 19.4.1.2 | **With Sewer bricks conforming to IS : 4885.** | | | | | |
| | Details of cost for one gully trap. | | | | | |
| 1900 | S.W. gully trap P type 100x100 mm | each | 1 | 83.77 | 83.77 | |
| 1364 | C.I. grating 100x100 mm | each | 1 | 13.96 | 13.96 | |
| 1352 | C.I. cover and frame 300x300 mm inside | each | 1 | 279.22 | 279.22 | |
| 9999 | Carriage of materials | L.S. | 4.5 | 1.80 | 8.10 | |
| | Cement concrete 1:5:10 ( 1 cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size) | | | | | |
| | 0.68x0.68x0.10 m = 0.046 cum | | | | | |
| | Concrete around trap | | | | | |
| | 0.30x0.30x0.675 m = 0.061 cum | | | | | |
| | Total =0.107 cum | | | | | |
| | **Deduct:** | | | | | |
| | 0.345/3x[0.09+0.01+(0.09x0.01)/2] = 0.015 cum | | | | | |
| | $3.14/4x(0.124)^2x0.47$ = 0.006 cum | | | | | |
| | Total = 0.021 cum | | | | | |
| | Net quantity = 0.107 cum (-) 0.021 cum | | | | | |
| | = 0.086 cum | | | | | |
| | say 0.09 cum | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work | cum | 0.09 | 2621.63 | 235.95 | A |
| | Brick work with sewer bricks conforming to IS:4885 in cement mortar 1:4(1 cement: 4 coarse sand) | | | | | |
| | 1.66x0.115x0.675 m = 0.129 cum | | | | | |
| | say 0.13 cum | | | | | |
| 6.1.12A | Rate as per Item Number 6.1.12A of SH: Brick work | cum | 0.13 | 5078.87 | 660.25 | A |
| | Cement concrete 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) | | | | | |
| | 1.66x0.115x0.04 m = 0.008 cum | | | | | |
| 4.2.3 | Rate as per Item Number 4.2.3 of SH: Concrete work | cum | 0.008 | 5048.13 | 40.39 | A |
| | 12 mm cement plaster 1:3 (1 cement: 3 coarse | | | | | |
| | sand) finished with floating coat of neat cement: | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | [1/2x0.358x(l.20+0.40)] = 0.286 sqm<br>say 0.29 sqm | | | | | |
| 13.17.1 | Rate as per Item Number 13.17.1 of SH: Finishing | sqm | 0.29 | 188.90 | 54.78 | A |
| | TOTAL A | | | | 991.37 | |
| | TOTAL | | | | 1376.41 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 3.85 | |
| | TOTAL | | | | 1380.26 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 54.64 | |
| | TOTAL | | | | 1434.90 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 66.53 | |
| | Cost of each | | | | 1501.43 | |
| | labour cess @1% | | | | 15.01 | |
| | Say | | | | **1516.40** | |
| **19.4.2** | **150 x 100 mm size P type.** | | | | | |
| **19.4.2.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 7.5.** | | | | | |
| | Details of cost for one gully trap. | | | | | |
| 1902 | S.W. gully trap P type 150x100 mm | each | 1 | 120.99 | 1 20.99 | |
| 1366 | C.I. grating 150x150 mm | each | 1 | 23.27 | 23.27 | |
| 1352 | C.I. cover and frame 300x300 mm inside | each | 1 | 279.217 | 279.22 | |
| 9999 | Carriage of materials | L.S. | 4.5 | 1.8 | 8.10 | |
| | Cement concrete 1:5:10 ( 1 cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size)<br>0.68x0.68x0.10 m = 0.046 cum<br>Concrete around trap<br>0.30x0.30x0.675 m = 0.061 cum<br>Total =0.107 cum<br>Deduct:<br>0.322/3x[0.09+0.023+(0.09x0.023)1/2] = 0.017 cum<br>3.14/4x(0.124)²x0.485 = 0.006 cum<br>Total = 0.023 cum<br>Net quantity = 0.107 cum (-) 0.023 cum<br>= 0.084 cum<br>say 0.08 cum. | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work | cum | 0.08 | 2621.63 | 209.73 | A |
| | Brick work with 75 class designation brick in cement mortar 1:4(1 cement: 4 coarse sand)<br>1.66x0.115x0.675 m = 0.129 cum<br>say 0.13 cum | | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work | cum | 0.13 | 4987.33 | 648.35 | A |
| | Cement concrete 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>1.66x0.115x0.04 m = 0.008 cum | | | | | |
| 4.2.3 | Rate as per Item Number 4.2.3 of SH: Concrete work | cum | 0.008 | 5048.13 | 40.39 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement:<br>[1/2x0.337x(l.20+0.60)] = 0.303 sqm<br>say 0.30 sqm | | | | | |
| 13.17.1 | Rate as per Item Number 13.17.1 of SH: Finishing | sqm | 0.3 | 188.90 | 56.67 | A |
| | TOTAL A | | | | 955.14 | A |
| | TOTAL | | | | 1386.72 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 4.32 | |
| | TOTAL | | | | 1391.03 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 61.24 | |
| | TOTAL | | | | 1452.28 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 74.57 | |
| | Cost of each | | | | 1526.85 | |
| | labour cess @1% | | | | 15.27 | |
| | Say | | | | **1542.10** | |
| **19.4.2.2** | **With sewer bricks conforming to IS : 4885.**<br>Details of cost for one gully trap. | | | | | |
| 1902 | S.W. gully trap P type 150x100 mm | each | 1 | 120.994 | 120.99 | |
| 1366 | C.I. grating 150x150 mm | each | 1 | 23.26809 | 23.27 | |
| 1352 | C.I. cover and frame 300x300 mm inside | each | 1 | 279.217 | 279.22 | |
| 9999 | Carriage of materials | L.S. | 4.5 | 1.8 | 8.10 | |
| | Cement concrete 1:5:10 ( 1 cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size)<br>0.68x0.68x0.10 m = 0.046 cum<br>Concrete around trap<br>0.30x0.30x0.675 m = 0.061 cum<br>Total =0.107 cum<br>Deduct:<br>0.322/3x[0.09+0.023+(0.09x0.023)1/2] = 0.017 cum<br>3.14/4x(0.124)²x0.485 = 0.006 cum<br>Total = 0.023 cum<br>Net quantity = 0.107 cum (-) 0.023 cum<br>= 0.084 cum<br>say 0.08 cum | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work | cum | 0. 08 | 2621.63 | 209.73 | A |
| | Brick work with sewer bricks conforming to IS: 4885 in cement mortar 1:4(1 cement: 4 coarse sand)<br>1.66x0.115x0.675 m = 0.129 cum<br>say 0.13 cum | | | | | |
| 6.36.1 | Rate as per Item Number 6.36.1 of SH: Brick work | cum | 0.13 | 5078.87 | 660.25 | A |
| | Cement concrete 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>1.66x0.115x0.04 m = 0.008 cum | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 4.2.3 | Rate as per Item Number 4.2.3 of SH: Concrete work<br>12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement:<br>[1/2x0.337x(l.20+0.60)] = 0.303 sqm<br>say 0.30 sqm | cum | 0.008 | 5048.13 | 40.39 | A |
| 13.17.1 | Rate as per Item Number 13.17.1 of SH: Finishing | sqm | 0.3 | 188.90 | 56.67 | A |
| | TOTAL A | | | | 967.04 | |
| | TOTAL | | | | 1398.62 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 4.32 | |
| | TOTAL | | | | 1402.93 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 61.24 | |
| | TOTAL | | | | 1464.18 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 74.57 | |
| | Cost of each | | | | 1538.75 | |
| | labour cess @1% | | | | 15.39 | |
| | Say | | | | **1554.10** | |
| **19.4.3** | **180x150 mm size P type.** | | | | | |
| **19.4.3.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 7.5.** | | | | | |
| | Details of cost for one gully trap. | | | | | |
| 1904 | S.W. gully trap P type 180x150 mm | each | 1 | 209.41 | 209.41 | |
| 1367 | C.I. grating 180x180 mm | each | 1 | 27.92 | 27.92 | |
| 1352 | C.I. cover and frame 300x300 mm inside | each | 1 | 279.217 | 279.22 | |
| 9999 | Carriage of materials | L.S. | 4.5 | 1.8 | 8.10 | |
| | Cement concrete 1:5:10 ( 1 cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size)<br>0.68x0.68x0.10 m = 0.046 cum<br>Concrete around trap<br>0.30x0.30x0.675 m = 0.061 cum<br>Total =0.107 cum Deduct:<br>0.55/3x[0.09+0.032+(0.09x0.032)/2] = 0.008 cum<br>3.14/4x(0.182)²x0.70 = 0.018 cum<br>Total = 0.026 cum<br>Net quantity = 0.107 cum (-) 0.026 cum = 0.081 cum say 0.08 cum | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work<br>Brick work with 75 class designation brick in cement mortar 1:4(1 cement: 4 coarse sand)<br>1.66x0.115x0.675 m = 0.129 cum say 0.13 cum | cum | 0.08 | 2621.63 | 209.73 | A |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work<br>Cement concrete 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>1.66x0.115x0.04 m = 0.008 cum | cum | 0.13 | 4987.33 | 648.35 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 4.2.3 | Rate as per Item Number 4.2.3 of SH: Concrete work<br>12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement:<br>[1/2x0.166x(l.20+0.72)] = 0.159 sqm say 0.16 sqm | cum | 0.008 | 5048.13 | 40.39 | A |
| 13.17.1 | Rate as per Item Number 13.17.1 of SH: Finishing | sqm | 0.16 | 188.901 | 30.22 | A |
| | TOTAL A | | | | 928.69 | |
| | TOTAL | | | | 1453.34 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 5.25 | |
| | TOTAL | | | | 1458.59 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 74.45 | |
| | TOTAL | | | | 1533.04 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 90.65 | |
| | Cost of each | | | | 1623.69 | |
| | labour cess @1% | | | | 16.24 | |
| | Say | | | | **1639.90** | |
| **19.4.3.2** | **With sewer bricks conforming to IS : 4885.**<br>Details of cost for one gully trap. | | | | | |
| 1904 | S.W. gully trap P type 180x150 mm | each | 1 | 209.4128 | 209.41 | |
| 1367 | C.I. grating 180x180 mm | each | 1 | 27.9217 | 27.92 | |
| 1352 | C.I. cover and frame 300x300 mm inside | each | 1 | 279.217 | 279.22 | |
| 9999 | Carriage of materials | L.S. | 4.5 | 1.8 | 8.10 | |
| | Cement concrete 1:5:10 ( 1 cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size)<br>0.68x0.68x0.10 m = 0.046 cum<br>Concrete around trap<br>0.30x0.30x0.675 m = 0.061 cum<br>Total =0.107 cum<br>Deduct:<br>0.55/3x[0.09+0.032+(0.09x0.032)/2] = 0.008 cum<br>3.14/4x(0.182)²x0.70 = 0.018 cum<br>Total = 0.026 cum<br>Net quantity = 0.107 cum (-) 0.026 cum = 0.081 cum<br>say 0.08 cum | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work<br>Brick work with sewer bricks conforming to IS: 4885. in cement mortar 1:4(1 cement: 4 coarse sand)<br>1.66x0.115x0.675 m = 0.129 cum<br>say 0.13 cum | cum | 0. 08 | 2621.63 | 209.73 | A |
| 6.1.12A | Rate as per Item Number 6.36.1 of SH: Brick work<br>Cement concrete 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) | cum | 0.13 | 5078.87 | 660.25 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 1.66x0.115x0.04 m = 0.008 cum | | | | | |
| 4.2.3 | Rate as per Item Number 4.2.3 of SH: Concrete work | cum | 0.008 | 5048.13 | 40.39 | A |
| | 12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement: | | | | | |
| | [1/2x0.166x(l.20+0.072)] = 0.159 sqm | | | | | |
| | say 0.16 sqm | | | | | |
| 13.17.1 | Rate as per Item Number 13.17.1 of SH: Finishing | sqm | 0.16 | 188.9008 | 30.22 | A |
| | TOTAL A | | | | 940.59 | |
| | TOTAL | | | | 1465.24 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 5.25 | |
| | TOTAL | | | | 1470.49 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 74.45 | |
| | TOTAL | | | | 1544.94 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 90.65 | |
| | Cost of each | | | | 1635.59 | |
| | labour cess @1% | | | | 16.36 | |
| | Say | | | | **1651.90** | |
| **19.5** | **Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps.** | | | | | |
| **19.5.1** | **100 mm diameter.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | LABOUR: | | | | | |
| 0114 | Beldar | day | 0.49 | 254.00 | 124.46 | |
| 0115 | Coolie | day | 0.36 | 265.00 | 95.40 | |
| | TOTAL | | | | 219.86 | |
| | Add Water Charges @ 1% | | | | 2.20 | |
| | TOTAL | | | | 222.06 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 31.20 | |
| | TOTAL | | | | 253.26 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 37.99 | |
| | Cost of 10 metre | | | | 291.25 | |
| | Cost of 1 metre | | | | 29.12 | |
| | labour cess @1% | | | | 0.29 | |
| | Say | | | | **29.40** | |
| 19.5.2 | 150 mm diameter. | | | | | |
| **Code** | **Description** | **Unit** | **Quantity** | **Rate** | **Amount** | |
| | Details of cost for 10 metre. | | | | | |
| | LABOUR: | | | | | |
| 0114 | Beldar | day | 0.49 | 254.00 | 124.46 | |
| 0115 | Coolie | day | 0.45 | 265.00 | 119.25 | |
| | TOTAL | | | | 243.71 | |
| | Add Water Charges @ 1% | | | | 2.44 | |
| | TOTAL | | | | 246.15 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 34.58 | |
| | TOTAL | | | | 280.73 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 42.11 | |
| | Cost of 10 metre | | | | 322.84 | |
| | Cost of 1 metre | | | | 32.28 | |
| | labour cess @1% | | | | 0.32 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Say | | | | **32.60** |
| 19.5.3 | 200 mm diameter. | | | | |
| **Code** | **Description** | **Unit** | **Quantity** | **Rate** | **Amount** |
| | Details of cost for 10 metre. | | | | |
| | LABOUR: | | | | |
| 0114 | Beldar | day | 0.49 | 254.00 | 124.46 |
| 0115 | Coolie | day | 0.51 | 265.00 | 135.15 |
| | TOTAL | | | | 259.61 |
| | Add Water Charges @ 1% | | | | 2.60 |
| | TOTAL | | | | 262.21 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 36.84 |
| | TOTAL | | | | 299.05 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 44.86 |
| | Cost of 10 metre | | | | 343.90 |
| | Cost of 1 metre | | | | 34.39 |
| | labour cess @1% | | | | 0.34 |
| | Say | | | | **34.70** |
| 19.5.4 | 250 mm diameter. | | | | |
| | Details of cost for 10 metre. | | | | |
| | LABOUR: | | | | |
| 0114 | Beldar | day | 0.49 | 254.00 | 124.46 |
| 0115 | Coolie | day | 0.57 | 265.00 | 151.05 |
| | TOTAL | | | | 275.51 |
| | Add Water Charges @ 1% | | | | 2.76 |
| | TOTAL | | | | 278.27 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 39.10 |
| | TOTAL | | | | 317.36 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 47.60 |
| | Cost of 10 metre | | | | 364.97 |
| | Cost of 1 metre | | | | 36.50 |
| | labour cess @1% | | | | 0.36 |
| | Say | | | | **36.90** |
| 19.5.5 | 300 mm diameter. | | | | |
| | Details of cost for 10 metre. | | | | |
| | LABOUR: | | | | |
| 0114 | Beldar | day | 0.49 | 254.00 | 124.46 |
| 0115 | Coolie | day | 0.63 | 265.00 | 166.95 |
| | TOTAL | | | | 291.41 |
| | Add Water Charges @ 1% | | | | 2.91 |
| | TOTAL | | | | 294.32 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 41.35 |
| | TOTAL | | | | 335.68 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 50.35 |
| | Cost of 10 metre | | | | 386.03 |
| | Cost of 1 metre | | | | 38.60 |
| | labour cess @1% | | | | 0.39 |
| | Say | | | | **39.00** |
| 19.5.6 | 350 mm diameter. | | | | |
| | Details of cost for 10 metre. | | | | |
| | LABOUR: | | | | |
| 0114 | Beldar | day | 0.6 | 254.00 | 152.40 |
| 0115 | Coolie | day | 0.69 | 265.00 | 182.85 |
| | TOTAL | | | | 335.25 |
| | Add Water Charges @ 1% | | | | 3.35 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 338.60 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 47.57 |
| | TOTAL | | | | 386.18 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 57.93 |
| | Cost of 10 metre | | | | 444.10 |
| | Cost of 1 metre | | | | 44.41 |
| | labour cess @1% | | | | 0.44 |
| | Say | | | | **44.90** |
| 19.5.7 | 400 mm diameter. | | | | |
| | Details of cost for 10 metre. | | | | |
| | LABOUR: | | | | |
| 0114 | Beldar | day | 0.66 | 254.00 | 167.64 |
| 0115 | Coolie | day | 0.75 | 265.00 | 198.75 |
| | TOTAL | | | | 366.39 |
| | Add Water Charges @ 1% | | | | 3.66 |
| | TOTAL | | | | 370.05 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 51.99 |
| | TOTAL | | | | 422.05 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 63.31 |
| | Cost of 10 metre 486.40 | | | | 485.35 |
| | Cost of 1 metre 48.64 | | | | 48.54 |
| | labour cess @1% | | | | 0.49 |
| | Say 48.65 | | | | **49.00** |
| 19.5.8 | 450 mm diameter. | | | | |
| | Details of cost for 10 metre. | | | | |
| | LABOUR: | | | | |
| 0114 | Beldar | day | 0.66 | 254.00 | 167.64 |
| 0115 | Coolie | day | 0.81 | 265.00 | 214.65 |
| | TOTAL 436.59 | | | | 382.29 |
| | Add Water Charges @ 1% 4.37 | | | | 3.82 |
| | TOTAL 440.96 | | | | 386.11 |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 54.25 |
| | TOTAL | | | | 440.36 |
| | Add CPOH @ 15% 66.14 | | | | 66.05 |
| | Cost of 10 metre 507.10 | | | | 506.42 |
| | Cost of 1 metre 50.71 | | | | 50.64 |
| | labour cess @1% | | | | 0.51 |
| | Say 50.70 | | | | **51.10** |
| **19.6** | **Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete.** | | | | |
| **19.6.1** | **100 mm dia R.C.C. pipe.** | | | | |
| | Details of cost for 10 metre. | | | | |
| | MATERIAL: | | | | |
| 1700 | R.C.C. pipes NP2 class 100 mm dia (in 2 m. length = 5 Nos.) | metre | 10 | 186.14 | 1861.45 |
| 1714 | R.C.C. collars NP2 class 100 mm dia 5 Nos. | each | 5 | 27.92 | 139.61 |
| 2275 | Carriage of R.C.C. pipes 100 mm dia Cement of 5 joints = 5x0.00065 = 0.00325 cum = 0.0048 t | 100metre | 10 | 236.24 | 23.62 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | say 0.005 tonne | | | | | |
| 0367 | Portland Cement | tonne | 0.005 | 5474.00 | 27.37 | |
| 2209 | Carriage of cement | tonne | 0.005 | 0 | 0.00 | |
| | Fine sand for 5 joint<br>= 0.0013x5 = 0.0065 cum<br>= 0.006 cum | | | | | |
| 0983 | Fine sand (zone IV) | cum | 0.006 | 117.66 | 0.71 | |
| 2261 | Carriage of fine sand (1 part coarse sand: 2 parts fine sand) | cum | 0.006 | 0 | | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 0.32 | 342.00 | 109.44 | |
| 0124 | Mason (brick layer) 2nd class | day | 0.32 | 305.00 | 97.60 | |
| 0114 | Beldar | day | 0.63 | 254.00 | 160.02 | |
| 0101 | Bhisti | day | 0.16 | 277.00 | 44.32 | |
| | TOTAL | | | | 2464.14 | |
| | Add Water Charges @ 1% | | | | 24.64 | |
| | TOTAL | | | | 2488.78 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 349.67 | |
| | TOTAL | | | | 2838.45 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 425.77 | |
| | Cost of 10 metre | | | | 3264.22 | |
| | Cost of 1 metre | | | | 326.42 | |
| | labour cess @1% | | | | 3.26 | |
| | Say | | | | **329.70** | |
| **19.6.2** | **150 mm dia R.C.C. pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1701 | R.C.C. pipes NP2 class 150 mm dia (in 2 m. length = 5 Nos.) | metre | 10 | 195.45 | 1954.52 | |
| 1715 | R.C.C. collars NP2 class 150 mm dia 5 Nos. | each | 5 | 32.58 | 162.88 | |
| 2281 | Carriage of R.C.C. pipes 150 mm dia<br>Cement of 5 joints<br>= 5x0.0008 = 0.004 cum<br>= 0.006 tonne | 100 metre | 10 | 393.73 | 39.37 | |
| 0367 | Portland Cement | tonne | 0.006 | 5474.00 | 32.84 | |
| 2209 | Carriage of cement | tonne | 0.006 | 0 | 0.00 | |
| | Fine sand for 5 joint<br>= 0.0016x5 = 0.008 cum | | | | | |
| 0983 | Fine sand (zone IV) | cum | 0.008 | 117.66 | 0.94 | |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.008 | 0 | 0.00 | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 0.39 | 342.00 | 133.38 | |
| 0124 | Mason (brick layer) 2nd class | day | 0.39 | 305.00 | 118.95 | |
| 0114 | Beldar | day | 0.78 | 254.00 | 198.12 | |
| 0101 | Bhisti | day | 0.16 | 277.00 | 44.32 | |
| | TOTAL | | | | 2685.32 | |
| | Add Water Charges @ 1% | | | | 26.85 | |
| | TOTAL | | | | 2712.18 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 381.06 | |
| | TOTAL | | | | 3093.24 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 463.99 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost of 10 metre | | | | 3557.22 |
| | Cost of 1 metre | | | | 355.72 |
| | labour cess @1% | | | | 3.56 |
| | Say | | | | **359.30** |
| **19.6.3** | **250 mm dia R.C.C. pipe.** | | | | |
| | Details of cost for 10 metre. | | | | |
| | MATERIAL: | | | | |
| 1702 | R.C.C. pipes NP2 class 250 mm dia (in 2 m. length = 5 Nos.) | metre | 10 | 241.99 | 2419.88 |
| 1716 | R.C.C. collars NP2 class 250 mm dia 5 Nos. | each | 5 | 46.54 | 232.68 |
| 2287 | Carriage of R.C.C. pipes 250 mm dia Cement of 5 joints = 5x0.0012 = 0.006 cum = 0.009tonne | 100 metre | 10 | 910.13 | 91.01 |
| 0367 | Portland Cement | tonne | 0.009 | 5474.00 | 49.27 |
| 2209 | Carriage of cement | tonne | 0.009 | 0 | 0.00 |
| | Fine sand for 5 joint = 0.0024x5 = 0.012 cum | | | | |
| 0983 | Fine sand (zone IV) | cum | 0.012 | 117.66 | 1.41 |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.012 | 0 | 0.00 |
| | LABOUR: | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 0.54 | 342.00 | 184.68 |
| 0124 | Mason (brick layer) 2nd class | day | 0.54 | 305.00 | 164.70 |
| 0114 | Beldar | day | 1.5 | 254.00 | 381.00 |
| 0101 | Bhisti | day | 0.23 | 277.00 | 63.71 |
| | TOTAL | | | | 3588.34 |
| | Add Water Charges @ 1% | | | | 35.88 |
| | TOTAL | | | | 3624.23 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 509.20 |
| | TOTAL | | | | 4133.43 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 620.01 |
| | Cost of 10 metre | | | | 4753.44 |
| | Cost of 1 metre | | | | 475.34 |
| | labour cess @1% | | | | 4.75 |
| | Say | | | | **480.10** |
| **19.6.4** | **300 mm dia R.C.C. pipe.** | | | | |
| | Details of cost for 10 metre. | | | | |
| | MATERIAL: | | | | |
| 1703 | R.C.C. pipes NP2 class 300 mm dia (in 2.5 m. length = 4 Nos.) | metre | 10 | 279.22 | 2792.17 |
| 1717 | R.C.C. collars NP2 class 300 mm dia 4 Nos. | each | 4 | 51.19 | 204.76 |
| 2290 | Carriage of R.C.C. pipes 300 mm dia Cement of 4 joints = 4x0.00185 = 0.0074 cum = 0.011 tonne | 100 metre | 10 | 1124.93 | 112.49 |
| 0367 | Portland Cement | tonne | 0.011 | 5474.00 | 60.21 |
| 2209 | Carriage of cement | tonne | 0.011 | 0 | 0.00 |
| | Fine sand for 4 joint = 0.0037x4 = 0.0148 say 0.015cum = 0.006 cum | | | | |
| 0983 | Fine sand (zone IV) | cum | 0.015 | 117.66 | 1.76 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 2261 | Carriage of fine sand (1 part coarse sand:2 parts fine sand) | cum | 0.015 | 0 | 0.00 | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 0.59 | 342.00 | 201.78 | |
| 0124 | Mason (brick layer) 2nd class | day | 0.59 | 305.00 | 179.95 | |
| 0114 | Beldar | day | 1.16 | 254.00 | 294.64 | |
| 0101 | Bhisti | day | 0.2 | 277.00 | 55.40 | |
| | TOTAL | | | | 3903.17 | |
| | Add Water Charges @ 1% | | | | 39.03 | |
| | TOTAL | | | | 3942.20 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 553.88 | |
| | TOTAL | | | | 4496.08 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 674.41 | |
| | Cost of 10 metre | | | | 5170.49 | |
| | Cost of 1 metre | | | | 517.05 | |
| | labour cess @1% | | | | 5.17 | |
| | Say | | | | **522.20** | |
| **19.6.5** | **450 mm dia R.C.C. pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1704 | R.C.C. pipes NP2 class 450 mm dia (in 2.5 m. length = 4 Nos.) | metre | 10 | 372.29 | 3722.89 | |
| 1718 | R.C.C. collars NP2 class 450 mm dia 4 Nos. | each | 4 | 93.07 | 372.29 | |
| 2299 | Carriage of R.C.C. pipes 450 & 500 mm dia Cement of 4 joints = 4x0.0041 = 0.0164 cum = 0.024 tonne | 100 metre | 10 | 2624.84 | 262.48 | |
| 0367 | Portland Cement | tonne | 0.024 | 5474.00 | 131.38 | |
| 2209 | Carriage of cement | tonne | 0.024 | 0 | 0.00 | |
| | Fine sand for 4 joint = 0.0082x4 = 0.033 cum | | | | | |
| 0983 | Fine sand (zone IV) | cum | 0.033 | 117.66 | 3.88 | |
| 2261 | Carriage of fine sand (1 part coarse sand: 2 parts fine sand) | cum | 0.033 | 0 | 0.00 | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 0.75 | 342.00 | 256.50 | |
| 0124 | Mason (brick layer) 2nd class | day | 0.75 | 305.00 | 228.75 | |
| 0114 | Beldar | day | 1.5 | 254.00 | 381.00 | |
| 0101 | Bhisti | day | 0.33 | 277.00 | 91.41 | |
| | TOTAL | | | | 5450.59 | |
| | Add Water Charges @ 1% | | | | 54.51 | |
| | TOTAL | | | | 5505.09 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 773.47 | |
| | TOTAL | | | | 6278.56 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 941.78 | |
| | Cost of 10 metre | | | | 7220.34 | |
| | Cost of 1 metre | | | | 722.03 | |
| | labour cess @1% | | | | 7.22 | |
| | Say | | | | **729.30** | |
| **19.6.6** | **500 mm dia R.C.C. pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 1705 | R.C.C. pipes NP2 class 500 mm dia (in 2.5 m. length = 4 Nos.) | metre | 10 | 539.82 | 5398.20 |
| 1719 | R.C.C. collars NP2 class 500 mm dia 4 Nos. | each | 4 | 107.03 | 428.13<br>0.00 |
| 2299 | Carriage of R.C.C. pipes 450 & 500 mm dia<br>Cement of 4 joints<br>= 4x0.0045 = 0.018 cum<br>= 0.026 tonne | 100 metre | 10 | 2624.84 | 262.48 |
| 367 | Portland Cement | tonne | 0.026 | 5474.00 | 142.32 |
| 2209 | Carriage of cement | tonne | 0.026 | 0 | 0.00 |
| | Fine sand for 4 joints<br>= 0.0089x4 = 0.0356 cum<br>= 0.036 cum | | | | |
| 983 | Fine sand (zone IV) | cum | 0.036 | 117.66 | 4.24 |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.036 | 0 | 0.00 |
| | LABOUR: | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 0.81 | 342.00 | 277.02 |
| 0124 | Mason (brick layer) 2nd class | day | 0.81 | 305.00 | 247.05 |
| 0114 | Beldar | day | 1.62 | 254.00 | 411.48 |
| 0101 | Bhisti | day | 0.33 | 277.00 | 91.41 |
| | TOTAL | | | | 7262.33 |
| | Add Water Charges @ 1% | | | | 72.62 |
| | TOTAL | | | | 7334.96 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1030.56 |
| | TOTAL | | | | 8365.52 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1254.83 |
| | Cost of 10 metre | | | | 9620.34 |
| | Cost of 1 metre | | | | 962.03 |
| | add 1% labour cess | | | | 9.62 |
| | Say | | | | **971.70** |
| **19.6.7** | **600 mm dia R.C.C. pipe.**<br>Details of cost for 10 metre. | | | | |
| | MATERIAL: | | | | |
| 1706 | R.C.C. pipes NP2 class 600 mm dia (in 2.5 m. length = 4 Nos.) | metre | 10 | 856.27 | 8562.66 |
| 1720 | R.C.C. collars NP2 class 600 mm dia 4 Nos. | each | 4 | 130.30 | 521.21 |
| 2303 | Carriage of R.C.C. pipes 600,700,750 & 100 800 mm dia<br>Cement of 4 joints<br>= 4x0.0054 = 0.0216 cum = 0.032 tonne | 100 metre | 10 | 3937.25 | 393.73 |
| 367 | Portland Cement | tonne | 0.032 | 5474.00 | 175.17 |
| 2209 | Carriage of cement | tonne | 0.032 | 0 | 0.00 |
| | Fine sand for 4 joints<br>= 0.0108x4 = 0.043 cum | | | | |
| 983 | Fine sand (zone IV) | cum | 0.043 | 117.66 | 5.06 |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.043 | 0 | 0.00 |
| | LABOUR: | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 0.92 | 342.00 | 314.64 |
| 0124 | Mason (brick layer) 2nd class | day | 0.92 | 305.00 | 280.60 |
| 0114 | Beldar | day | 1.83 | 254.00 | 464.82 |
| 0101 | Bhisti | day | 0.33 | 277.00 | 91.41 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 10809.28 | |
| | Add Water Charges @ 1% | | | | 108.09 | |
| | TOTAL | | | | 10917.38 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1533.89 | |
| | TOTAL | | | | 12451.27 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1867.69 | |
| | Cost of 10 metre | | | | 14318.96 | |
| | Cost of 1 metre | | | | 1431.90 | |
| | add 1% labour cess | | | | 14.32 | |
| | Say | | | | **1446.20** | |
| **19.6.8** | **700 mm dia R.C.C. pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1707 | R.C.C. pipes NP2 class 700 mm dia (in 2.5 m. length = 4 Nos.) | metre | 10 | 977.26 | 9772.60 | |
| 1721 | R.C.C. collars NP2 class 700 mm dia 4 Nos. | each | 4 | 139.61 | 558.43 | |
| 2303 | Carriage of R.C.C. pipes 800 mm dia | 100 metre | 10 | 3937.25 | 393.73 | |
| | Cement of 4 joints | | | | | |
| | = 4x0.0062 = 0.0248 cum = 0.037 tonne | | | | | |
| 367 | Portland Cement tonne | tonne | 0.037 | 5474.00 | 202.54 | |
| 2209 | Carriage of cement tonne | tonne | 0.037 | | 0.00 | |
| | Fine sand for 4 joints | | | | | |
| | = 0.0124x4 = 0.0496 cum = 0.05 cum | | | | | |
| 983 | Fine sand (zone IV) | cum | 0.05 | 117.66 | 5.88 | |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.05 | | 0.00 | |
| | LABOUR: | | | | | |
| 0123 | Mason (brick layer) 1 st class | day | 1.03 | 342.00 | 352.26 | |
| 0124 | Mason (brick layer) 2nd class | day | 1.03 | 305.00 | 314.15 | |
| 0114 | Beldar | day | 2.06 | 254.00 | 523.24 | |
| 0101 | Bhisti | day | 0.42 | 277.00 | 116.34 | |
| | TOTAL | | | | 12239.17 | |
| | Add Water Charges @ 1% | | | | 122.39 | |
| | TOTAL | | | | 12361.56 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1736.80 | |
| | TOTAL | | | | 14098.36 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2114.75 | |
| | Cost of 10 metre | | | | 16213.11 | |
| | Cost of 1 metre | | | | 1621.31 | |
| | add 1% labour cess | | | | 16.21 | |
| | Say | | | | **1637.50** | |
| **19.6.9** | **800 mm dia R.C.C. pipe.** | | | | | |
| | Details of cost for 10 metres. | | | | | |
| | MATERIAL: | | | | | |
| 1709 | R.C.C. pipes NP2 class 800 mm dia (in 2.5 m. length = 4 Nos.) | metre | 10 | 1088.95 | 10889.46 | |
| 1723 | R.C.C. collars NP2 class 800 mm dia 4 Nos. | each | 4 | 186.14 | 744.58 | |
| 2303 | Carriage of R.C.C. pipes 600,700,750 & 800 mm dia | 100 metre | 10 | 3937.25 | 393.73 | |
| | Cement of 4 joints | | | | | |
| | = 4x0.0072 = 0.0288 cum = 0.042 tonne | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 367 | Portland Cement | tonne | 0.042 | 5474.00 | 229.91 | |
| 2209 | Carriage of cement | tonne | 0.042 | 0 | 0.00 | |
| | Fine sand for 4 joints<br>= 0.0143x4 = 0.0572 cum = 0.057 cum | | | | | |
| 983 | Fine sand (zone IV) | cum | 0.057 | 117.66 | 6.71 | |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.057 | 0 | 0.00 | |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 1.14 | 342.00 | 389.88 | |
| 124 | Mason (brick layer) 2nd class | day | 1.14 | 305.00 | 347.70 | |
| 114 | Beldar | day | 2.28 | 254.00 | 579.12 | |
| 101 | Bhisti | day | 0.42 | 277.00 | 116.34 | |
| | TOTAL | | | | 13697.42 | |
| | Add Water Charges @ 1% | | | | 136.97 | |
| | TOTAL | | | | 13834.40 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1943.73 | |
| | TOTAL | | | | 15778.13 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2366.72 | |
| | Cost of 10 metre | | | | 18144.85 | |
| | Cost of 1 metre | | | | 1814.48 | |
| | add 1% labour cess | | | | 18.14 | |
| | Say | | | | **1832.60** | |
| **19.6.10** | **900 mm dia R.C.C. pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1710 | R.C.C. pipes NP2 class 900 mm dia (in 2.5 m. length = 4 Nos.) | metre | 10 | 1191.33 | 11913.26 | |
| 1724 | R.C.C. collars NP2 class 900 mm dia 4 Nos. | each | 4 | 218.72 | 874.88 | |
| 2331 | Carriage of R.C.C. pipes 900 mm dia | 100 metre | 0.1 | 5905.88 | 590.59 | |
| | Cement of 4 joints<br>= 4x0.0082 = 0.0328 cum = 0.0488 t Say 0.049 | | | | | |
| 367 | Portland Cement | tonne | 0.049 | 5474.00 | 268.23 | |
| 2209 | Carriage of cement | tonne | 0.049 | 0 | 0.00 | |
| | Fine sand for 4 joints<br>= 0.0164x4 = 0.066 cum | | | | | |
| 983 | Fine sand (zone IV) | cum | 0.066 | 117.66 | 7.77 | |
| 2261 | Carriage of fine sand (1 part badarpur sand:2 parts jamuna sand) | cum | 0.066 | | 0.00 | |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 1.25 | 342.00 | 427.50 | |
| 124 | Mason (brick layer) 2nd class | day | 1.25 | 305.00 | 381.25 | |
| 114 | Beldar | day | 3 | 254.00 | 762.00 | |
| 101 | Bhisti | day | 0.5 | 277.00 | 138.50 | |
| | TOTAL | | | | 15363.97 | |
| | Add Water Charges @ 1% | | | | 153.64 | |
| | TOTAL | | | | 15517.61 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 2180.22 | |
| | TOTAL | | | | 17697.83 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2654.67 | |
| | Cost of 10 metre | | | | 20352.51 | |
| | Cost of 1 metre | | | | 2035.25 | |
| | add 1% labour cess | | | | 20.35 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Say | | | | **2055.60** |
| **19.6.11** | **1000 mm dia R.C.C. pipe.** | | | | |
| | Details of cost for 10 metre. | | | | |
| | MATERIAL: | | | | |
| 1711 | R.C.C. pipes NP2 class 1000 mm dia (in 2.5 m. length = 4 Nos.) | metre | 10 | 1479.85 | 14798.50 |
| 1725 | R.C.C. collars NP2 class 1000 mm dia 4 Nos. | each | 4 | 260.60 | 1042.41 |
| 2332 | Carriage of R.C.C. pipes 1000 mm dia | 100 metre | 10 | 7874.51 | 787.45 |
| | Cement of 4 joints = 4x0.0092 = 0.0368 cum = 0.055 tonne | | | | |
| 367 | Portland Cement | tonne | 0.055 | 5474.00 | 301.07 |
| 2209 | Carriage of cement | tonne | 0.055 | | 0.00 |
| | Fine sand for 4 joints = 0.0185x4 = 0.074 cum | | | | |
| 983 | Fine sand (zone IV) | cum | 0.074 | 117.66 | 8.71 |
| 2261 | Carriage of fine sand (1 part badarpur sand:2 parts jamuna sand) | cum | 0.074 | | 0.00 |
| | LABOUR: | | | | |
| 123 | Mason (brick layer) 1 st class | day | 1.36 | 342.00 | 465.12 |
| 124 | Mason (brick layer) 2nd class | day | 1.36 | 305.00 | 414.80 |
| 114 | Beldar | day | 4.33 | 254.00 | 1099.82 |
| 101 | Bhisti | day | 0.5 | 277.00 | 138.50 |
| | TOTAL | | | | 19056.38 |
| | Add Water Charges @ 1% | | | | 190.56 |
| | TOTAL | | | | 19246.94 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 2704.20 |
| | TOTAL | | | | 21951.14 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 3292.67 |
| | Cost of 10 metre | | | | 25243.81 |
| | Cost of 1 metre | | | | 2524.38 |
| | add 1% labour cess | | | | 25.24 |
| | Say | | | | **2549.60** |
| **19.6.12** | **1100 mm dia R.C.C. pipe.** | | | | |
| | Details of cost for 10 metre. | | | | |
| | MATERIAL: | | | | |
| 1712 | R.C.C. pipes NP2 class 1100 mm dia (in 2.5 m. length = 4 Nos.) | metre | 10 | 1560.82 | 15608.23 |
| 1726 | R.C.C. collars NP2 class 1100 mm dia 4 Nos. | each | 4 | 279.22 | 1116.87 |
| 2333 | Carriage of R. C. C. pipes 1100 mm dia | 100 metre | 10 | 7874.51 | 787.45 |
| | Cement of 4 joints = 4x0.0103 =0.0412 cum = 0.061 tonne | | | | |
| 367 | Portland Cement | tonne | 0.061 | 5474.00 | 333.91 |
| 2209 | Carriage of cement | tonne | 0.061 | 0 | 0.00 |
| | Fine sand for 4 joints = 0.0206x4 = 0.0824 cum = 0.082 cum | | | | |
| 983 | Fine sand (zone IV) | cum | 0.082 | 117.66 | 9.65 |
| 2261 | Carriage of fine sand (1 part badarpur sand:2 parts jamuna sand) | cum | 0.082 | 0 | 0.00 |
| | LABOUR: | | | | |
| 123 | Mason (brick layer) 1 st class | day | 1.47 | 342.00 | 502.74 |
| 124 | Mason (brick layer) 2nd class | day | 1.47 | 305.00 | 448.35 |
| 114 | Beldar | day | 6.3 | 254.00 | 1600.20 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 101 | Bhisti | day | 0.6 | 277.00 | 166.20 | |
| | TOTAL | | | | 20573.60 | |
| | Add Water Charges @ 1% | | | | 205.74 | |
| | TOTAL | | | | 20779.34 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 2919.50 | |
| | TOTAL | | | | 23698.84 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 3554.83 | |
| | Cost of 10 metre | | | | 27253.66 | |
| | Cost of 1 metre | | | | 2725.37 | |
| | add 1% labour cess | | | | 27.25 | |
| | Say | | | | **2752.60** | |
| **19.6.13** | **1200 mm dia R.C.C. pipe.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1713 | R.C.C. pipes NP2 class 1200 mm dia (in 2.5 m. length = 4 Nos.) | metre | 10 | 1745.11 | 17451.06 | |
| 1727 | R.C.C. collars NP2 class 1200 mm dia 4 Nos. | each | 4 | 325.75 | 1303.01 | |
| 2334 | Carriage of R.C.C. pipes 1200 mm dia Cement of 4 joints = 4x0.0114 = 0.0456 cum = 0.068 tonne | 100 metre | 10 | 7874.51 | 787.45 | |
| 367 | Portland Cement | tonne | 0.068 | 5474.00 | 372.23 | |
| 2209 | Carriage of cement | tonne | 0.068 | 0 | 0.00 | |
| | Fine sand for 4 joints = 0.0229x4 = 0.0916 cum = 0.092 cum | | | | | |
| 983 | Fine sand (zone IV) | cum | 0.092 | 117.66 | 10.82 | |
| 2261 | Carriage of fine sand (1 part badarpur sand:2 parts jamuna sand) | cum | 0.092 | 0 | 0.00 | |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 1.59 | 342.00 | 543.78 | |
| 124 | Mason (brick layer) 2nd class | day | 1.59 | 305.00 | 484.95 | |
| 114 | Beldar | day | 8.67 | 254.00 | 2202.18 | |
| 101 | Bhisti | day | 0.67 | 277.00 | 185.59 | |
| | TOTAL | | | | 23341.08 | |
| | Add Water Charges @ 1% | | | | 233.41 | |
| | TOTAL | | | | 23574.50 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 3312.22 | |
| | TOTAL | | | | 26886.71 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 4033.01 | |
| | Cost of 10 metre | | | | 30919.72 | |
| | Cost of 1 metre | | | | 3091.97 | |
| | add 1% labour cess | | | | 30.92 | |
| | Say | | | | **3122.90** | |

**19.7 Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design.**

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **19.7.1** | **Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg).** | | | | | |
| **19.7.1.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 100A** | | | | | |
| | Details of cost for one manhole.<br>Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)<br>1.51x1.41x0.20=0.426 cum Say 0.43 cum | | | | | |
| 4.1.8 | Rate as per Item Number 4.1.8 of SH: Concrete work<br>Brick work with bricks of class designation 75 in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand)<br>4.32x0.23x0.35 m = 0.348 cum<br>Less for pipe 2x3.14/4x(0.15m)² x0.23m = (-) 0.008 cum<br>Total = 0.340 cum | cum | 0.43 | 2911.69 | 1252.03 | A |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching<br>2x0.90x(0.80/2) x (0.30+0.20)/2 = 0.18 cum<br>Less for pipe 1x0.90x3.14/4x(0.15 m)²<br>= (-) 0.02 cum = 0.16 cum | cum | 0.34 | 4987.33 | 1695.69 | A |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work<br>12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement<br>3.40mx0.05m = 0.17 sqm<br>2x1/2x0.80x0.10m = 0.08 sqm<br>Total = 0.25 sqm | cum | 0.16 | 4110.278 | 657.64 | A |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing Reinforced cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>For slab: 1.36x1.26x0.15m = 0.257 cum<br>Less for cover<br>0.61x0.455x0.15m = (-) 0.042cum<br>= 0.215 cum Say 0.22 cum | sqm | 0.25 | 188.9008 | 47.23 | A |
| 5.3 | Rate as per Item Number 5.3 of SH: Reinforced cement concrete work<br>Less labour for not lifting the materilas upto floor five level | cum | 0.22 | 5258.175 | 1156.80 | A |
| 115 | Coolie<br>Mild steel reinforcement for slab :<br>0.22 cum @ 48.06 kg/cum = 10.57 kg | day | -0.41 | 265.00 | -108.65 | |
| 5.22.1 | Rate as per Item Number 5.22.1 of SH: Reinforced cement concrete work<br>Form work = 0.90x0.80= 0.72 sqm<br>Less cover = 0.61x0.45m = (-) 0.278 sqm | kilogram | 10.57 | 75.33 | 796.27 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | =0.42 sqm. say 0.44 sqm | | | | | |
| 5.9.3 | Rate as per Item Number 5.9.3 of SH: Reinforced cement concrete work | sqm | 0.44 | 358.97 | 157.95 | A |
| | LABOUR: | | | | | |
| | Extra labour for making channel: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.06 | 342.00 | 20.52 | |
| 124 | Mason (brick layer) 2nd class | day | 0.06 | 305.00 | 18.30 | |
| 1354 | Rectangular cover 455x610 mm with frame (low duty) (inside) | each | 1 | 1396.09 | 1396.09 | |
| 9999 | Carriage of C.I. cover & frame | L.S. | 6.76 | 1.8 | 12.17 | |
| 9999 | Painting of C.I. cover & frame with coal tar | L.S. | 6.76 | 1.8 | 12.17 | |
| 9999 | Sundries | L.S. | 13.52 | 1.8 | 24.34 | |
| | TOTAL A | | | | 5763.61 | |
| | TOTAL | | | | 7138.54 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 13.75 | |
| | TOTAL | | | | 7152.28 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 195.11 | |
| | TOTAL | | | | 7347.39 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 237.57 | |
| | Cost of each | | | | 7584.96 | |
| | add 1% labour cess | | | | 75.85 | |
| | Say | | | | **7660.80** | |
| **19.7.1.2** | **With Sewer bricks conforming to IS : 4885.** Details of cost for one manhole. Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) 1.51x1.41x0.20m=0.426 cum Say 0.43 cum | | | | | |
| 4.1.8 | Rate as per Item Number 4.1.8 of SH: Concrete work | cum | 0.43 | 2911.69 | 1252.03 | A |
| | Brick work with sewer bricks conforming to IS: 4885. in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) | | | | | |
| | 4.32x0.23x0.35 m = 0.348 cum | | | | | |
| | Less for pipe $2x3.14/4x(0.15m)^2x0.23m$ = (-) 0.008 cum | | | | | |
| | Total = 0.340 cum | | | | | |
| 6.36.1 | Rate as per Item Number 6.36.1 of SH: Brick work | cum | 0.34 | 5078.87 | 1726.82 | A |
| | Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching | | | | | |
| | 2x0.90x(0.80/2) x (0.30+0.20)/2 = 0.18 cum | | | | | |
| | Less for pipe $1x0.90x3.14/4x(0.15)^2$ = (-) 0.02 cum | | | | | |
| | Total = 0.16 cum | | | | | |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work | cum | 0.16 | 4110.28 | 657.64 | A |
| | 12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement | | | | | |
| | 3.40mx0.05m = 0.17 sqm | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 2x ½ x0.80x0.10m = 0.08 sqm<br>Total = 0.25 sqm | | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH:<br>Finishing Reinforced cement concrete 1:2:4 (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>For slab: 1.36x1.26x0.15m = 0.257 cum<br>Less for cover<br>0.61x0.455x0.15m = (-) 0.042 cum<br>= 0.215 cum Say 0.22 cum | cum | 0.25 | 188.90 | 47.23 | A |
| 5.3 | Rate as per Item Number 5.3 of SH:<br>Reinforced cement concrete work<br>Less labour for not lifting the materilas upto floor five level | cum | 0.22 | 5258.18 | 1156.80 | A |
| 0115 | Coolie | day | -0.41 | 265.00 | -108.65 | |
| | Mild steel reinforcement for slab :<br>0.22 cum @ 48.06 kg/cum = 10.57 kg | | | | | |
| 5.22.1 | Rate as per Item Number 5.22.1 of SH:<br>Reinforced cement concrete work<br>Form work = 0.90x0.80= 0.72 sqm<br>=0.442 sqm say 0.44 sqm<br>Less cover = 0.61x0.455m = (-) 0.278 sqm | Kg | 10.57 | 75.33 | 796.27 | A |
| 5.9.3 | Rate as per Item Number 5.9.3 of SH:<br>Reinforced cement concrete work<br>LABOUR:<br>Extra labour for making channel: | sqm | 0.44 | 358.97 | 157.95 | A |
| 0123 | Mason (brick layer) 1 st class | day | 0.06 | 342.00 | 20.52 | |
| 0124 | Mason (brick layer) 2nd class | day | 0.06 | 305.00 | 18.30 | |
| 1354 | Rectangular cover 455x610 mm with frame low duty)<br>inside) | each | 1 | 1396.09 | 1396.09 | |
| 9999 | Carriage of C.I. cover & frame | L.S | 6.76 | 1.8 | 12.17 | |
| 9999 | Painting of C.I. cover & frame with coal tar | L.S | 6.76 | 1.8 | 12.17 | |
| 9999 | Sundries | L.S | 13.52 | 1.8 | 24.34 | |
| | TOTAL A | | | | 5794.73 | |
| | TOTAL | | | | 7169.66 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 13.75 | |
| | TOTAL | | | | 7183.41 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 195.11 | |
| | TOTAL | | | | 7378.52 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 237.57 | |
| | Cost of each | | | | 7616.08 | |
| | add 1% labour cess | | | | 76.16 | |
| | Say | | | | **7692.20** | |

**19.7.2 Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg).**

**19.7.2.1 With common burnt clay F.P.S.(non modular) bricks of class designation 7.5.**

Details of cost for one manhole.

MATERIAL:

Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | nominal size)<br>1.81x1.51x0.20m=0.547 cum Say 0.55 cum | | | | | |
| 4.1.8 | Rate as per Item Number 4.1.8 of SH: Concrete work<br>Brick work with bricks of class designation 75 in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand)<br>5.12x0.23x0.80 m = 0.942 cum<br>Less for pipe 2x3.14/4x(0.15m)² x0.23m = (-) 0.008 cum<br>Total = 0.934 cum say 0.93 cum | cum | 0.55 | 2911.69 | 1601.43 | A |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching<br>2x1.20x(0.90/2) x (0.30+0.20)/2 = 0.270 cum<br>Less for pipe<br>1.20x3.14/4x(0.15 m)² = (-) 0.021 cum<br>Total = 0.249 cum say 0.25 cum | cum | 0.93 | 4987.33 | 4638.22 | A |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work<br>12 mm cement plaster 1:3 (1 cement: 3 coarse s and) finished with floating coat of neat cement 4.20mx0.50m = 2.10 sqm<br>2x1/2x0.90x0.10m = 0.08 sqm<br>Total = 2.19 sqm | cum | 0.25 | 4110.28 | 1027.57 | A |
| **13.9.1** | **Rate as per Item Number 13.9.1 of SH: Finishing Reinforced cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>For slab: 1.66x1.36x0.15m = 0.339 cum<br>Less for cover 0.7854x(0.50)²x0.15m = (-) 0.029 cum<br>= 0.31cum** | **sqm** | **2.19** | **188.90** | **413.69** | **A** |
| 5.3 | Rate as per Item Number 5.3 of SH: Reinforced cement concrete work<br>Less labour for not lifting the materilas upto floor five level | cum | 0.31 | 5258.18 | 1630.03 | A |
| 0115 | Coolie | day | -0.58 | 265.00 | -153.70 | |
| | Mild steel reinforcement for slab :<br>0.31 cum @ 80.09 kg/cum = 24.83 kg | | | | | |
| 5.22.1 | Rate as per Item Number 5.22.1 of SH: Reinforced cement concrete work<br>Form work = 1.20x0.90= 1.08 sqm<br>Less cover = 3.14/4x(0.50)²=(-) 0.196 sqm = 0.884 sqm Say 0.88 sqm | kilogram | 24.83 | 75.33 | 1870.53 | A |
| 5.9.3 | Rate as per Item Number 5.9.3 of SH: Reinforced cement concrete work<br>LABOUR:<br>Extra labour for making channel: | sqm | 0.88 | 358.97 | 315.90 | A |
| 123 | Mason (brick layer) 1 st class | day | 0.08 | 342.00 | 27.36 | |
| 124 | Mason (brick layer) 2nd class | day | 0.08 | 305.00 | 24.40 | |
| 1356 | 500 mm dia cover with frame (medium duty) | each | 1 | 4420.94 | 4420.94 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Carriage of C.I. cover & frame | L.S | 6.76 | 1.8 | 12.17 | |
| 9999 | Painting of C.I. cover & frame with coal tar | L.S | 6.76 | 1.8 | 12.17 | |
| 9999 | Sundries | L.S | 16.64 | 1.8 | 29.95 | |
| | TOTAL A | | | | 11497.37 | |
| | TOTAL | | | | 15870.65 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 43.73 | |
| | TOTAL | | | | 15914.38 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 620.59 | |
| | TOTAL | | | | 16534.98 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 755.64 | |
| | Cost of each | | | | 17290.62 | |
| | add 1% labour cess | | | | 172.91 | |
| | Say | | | | **17463.50** | |
| 19.7.2.2 | With Sewer bricks conforming to IS : 4885.<br>Details of cost for one manhole.<br>MATERIAL:<br>Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)<br>1.81x1.51x0.20m=0.547 cum Say 0.55 cum | | | | | |
| 4.1.8 | Rate as per Item Number 4.1.8 of SH: Concrete work<br>Brick work with sewer bricks conforming to IS : 4885. in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand)<br>5.12x0.23x0.80 m = 0.942 cum<br>Less for pipe<br>2x3.14/4x(0.15m)² x0.23m<br>= (-) 0.008 cum<br>= 0.934 cum say 0.93 cum | cum | 0.55 | 2911.69 | 1601.43 | A |
| 6.36.1 | Rate as per Item Number 6.36.1 of SH: Brick work<br>Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>for benching<br>2x1.20x(0.90/2) x (0.30+0.20)/2<br>= 0.270 cum<br>Less for pipe<br>1.20x3.14/4x(0.15 m)² = (-) 0.021 cum<br>= 0.249 cum say 0.25 cum | cum | 0.93 | 5078.87 | 4723.35 | A |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work<br>12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement<br>4.20mx0.50m = 2.10 sqm<br>2x½x0.90x0.10m = 0.08 sqm<br>Total = 2.19 sqm | cum | 0.25 | 4110.278 | 1027.57 | A |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing Reinforced cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded | sqm | 2.19 | 188.9008 | 413.69 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | stone aggregate 20mm nominal size)<br>For slab: 1.66x1.36x0.15m = 0.339 cum<br>Less for cover<br>0.7854x(0.50)²x0.15m = (-) 0.029 cum<br>= 0.31cum | | | | | |
| 5.3 | Rate as per Item Number 5.3 of SH:<br>Reinforced cement concrete work<br>Less labour for not lifting the materilas upto floor five level | cum | 0.31 | 5258.175 | 1630.03 | A |
| 115 | Coolie day | day | -0.58 | 265.00 | -153.70 | |
| | Mild steel reinforcement for slab :<br>0.31 cum @ 80.09 kg/cum = 24.83 kg | | | | | |
| 5.22.1 | Rate as per Item Number 5.22.1 of SH:<br>Reinforced cement concrete work<br>Form work = 1.20x0.90= 1.08 sqm<br>Less cover = 3.14/4x(0.50)²=(-) 0.196 sqm<br>Code Description Unit Quantity Rate Amount<br>= 0.884 sqm Say 0.88 sqm | kilogram | 24.83 | 75.33 | 1870.53 | A |
| 5.9.3 | Rate as per Item Number 5.9.3 of SH:<br>Reinforced cement concrete work<br>LABOUR:<br>Extra labour for making channel: | sqm | 0.88 | 358.97 | 315.90 | A |
| 123 | Mason (brick layer) 1 st class | day | 0.08 | 342.00 | 27.36 | |
| 124 | Mason (brick layer) 2nd class | day | 0.08 | 305.00 | 24.40 | |
| 1356 | 500 mm dia cover with frame (medium duty) | each | 1 | 4420.936 | 4420.94 | |
| 9999 | Carriage of C.I. cover & frame | L.S | 6.76 | 1.8 | 12.17 | |
| 9999 | Painting of C.I. cover & frame with coal tar | L.S | 6.76 | 1.8 | 12.17 | |
| 9999 | Sundries L.S. | L.S | 16.64 | 1.8 | 29.95 | |
| | TOTAL A | | | | 11582.50 | |
| | TOTAL | | | | 27538.28 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 275.38 | |
| | TOTAL | | | | 27813.66 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 2280.48 | |
| | TOTAL | | | | 30094.14 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 2776.75 | |
| | Cost of each | | | | 32870.88 | |
| | add 1% labour cess | | | | 328.71 | |
| | Say | | | | **33199.60** | |

**19.7.3 Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (heavy duty) 560 mm internal diameter, total weight of cover and frame to be not less than 208 kg (weight of cover 108 kg and weight of frame 100 kg).**

**19.7.3.1 With common burnt clay F.P.S.(non modular) bricks of class designation 7.5.**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Details of cost for one manhole.<br>MATERIAL:<br>Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)<br>1.81x1.51x0.20m=0.547 cum Say 0.55 cum | | | | | |
| 4.1.8 | Rate as per Item Number 4.1.8 of SH:<br>Concrete work<br>Brick work with bricks of class designation | cum | 0.55 | 2911.69 | 1601.43 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 75 in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand)<br>5.12x0.23x0.65 m = 0.765 cum<br>1x0.56x0.23x0.15 m =0.019 cum<br>1x0.79x0.23x0.15 = 0.027 cum<br>Total =0.811<br>Less for pipe<br>2x3.14/4x(0.15m)²x0.23m = (-) 0.008 cum<br>= 0.803 cum say 0.80 cum | | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching<br>2x1.20x(0.90/2)x(0.30+0.20)/2 = 0.270 cum<br>Less for pipe 1.20x3.14/4x(0.15 m)² = (-) 0.021 cum<br>= 0.249 cum say 0.25 cum | cum | 0.8 | 4987.334 | 3989.87 | A |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work<br>12 mm cement plaster 1:3 (1 cement: 3 coarse s and) finished with floating coat of neat cement<br>4.20mx0.35m = 1.47 sqm<br>2x0.56x0.15m = 0.17 sqm<br>2x1/2x0.90x0.10m = 0.09 sqm<br>For fixing cover<br>0.96x0.96 m =0.922 sqm<br>Total = 2.652 sqm<br>Less cover 3.14/4x(0.56)²=(-) 0.246 sqm<br>=2.406 sqm Say 2.41 sqm | cum | 0.25 | 4110.28 | 1027.57 | A |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing Reinforced cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>For slab:<br>1.66x1.36x0.15m = 0.339 cum<br>Add extra concreting<br>1x(0.56+0.79)x0.15x0.15 m=0.03 cum<br>Total =0.369 cum<br>Less for cover<br>0.7854x(0.50)2x0.15m = (-) 0.037 cum<br>= 0.332 cum Say 0.33 cum | sqm | 2.41 | 188.90 | 455.25 | A |
| 5.3 | Rate as per Item Number 5.3 of SH: Reinforced cement concrete work<br>Less labour for not lifting the materilas upto floor five level | cum | 0.33 | 5258.18 | 1735.20 | A |
| 115 | Coolie<br>Steel reinforcement for slab @ 80.09 kg/cum<br>For 0.33 cum = 26.43 kg. | day | -0.62 | 265.00 | -164.30 | |
| 5.22.1 | Rate as per Item Number 5.22.1 of SH: Reinforced cement concrete work<br>Form work inside area of manhole<br>1.20x0.90 =1.08<br>Less cover | kilogram | 26.43 | 75.33 | 1991.06 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | = 3.14/4x(0.56)²=(-) 0.246 sqm<br>= 0.834 sqm Say 0.83 sqm | | | | | |
| 5.9.3 | Rate as per Item Number 5.9.3 of SH: Reinforced cement concrete work<br>LABOUR:<br>Extra labour for making channel: | sqm | 0.83 | 358.97 | 297.95 | A |
| 123 | Mason (brick layer) 1 st class | day | 0.08 | 342.00 | 27.36 | |
| 124 | Mason (brick layer) 2nd class | day | 0.08 | 305.00 | 24.40 | |
| 3860 | 560 mm dia cover with frame (Heavy duty) | each | 1 | 8376.51 | 8376.51 | |
| 9999 | Carriage of C.I. cover & frame | L.S. | 13.52 | 1.8 | 24.34 | |
| 9999 | Painting of C.I. cover & frame with coal tar | L.S. | 6.76 | 1.8 | 12.17 | |
| 9999 | Sundries | L.S. | 20.28 | 1.8 | 36.50 | |
| | TOTAL A | | | | 11098.32 | |
| | TOTAL | | | | 19435.30 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 83.37 | |
| | TOTAL | | | | 19518.67 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1183.06 | |
| | TOTAL | | | | 20701.73 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 1440.51 | |
| | Cost of each | | | | 22142.24 | |
| | add 1% labour cess | | | | 221.42 | |
| | Say | | | | **22363.70** | |
| **19.7.3.2** | **With Sewer bricks conforming to IS : 4885.**<br>Details of cost for one manhole.<br>MATERIAL:<br>Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)<br>1.81x1.51x0.20m=0.547 cum<br>Say 0.55 cum | | | | | |
| 4.1.8 | Rate as per Item Number 4.1.8 of SH: Concrete work<br>Sewer Brick conforming to IS: 4885. in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand)<br>5.12x0.23x0.65 m = 0.765 cum<br>1x0.56x0.23x0.15 m =0.019 cum<br>1x0.79x0.23x0.15 = 0.027 cum<br>Total =0.811<br>Less for pipe<br>2x3.14/4x(0.15m)²x0.23m = (-)0.008 cum<br>= 0.803 cum say 0.80 cum | cum | 0.55 | 2911.69 | 1601.43 | A |
| 6.36.1 | Rate as per Item Number 6.36.1 of SH: Brick work<br>Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching<br>2x1.20x(0.90/2)x(0.30+0.20)/2 = 0.270 cum<br>Less for pipe 1.20x3.14/4x(0.15 m)² = (-) 0.021 cum<br>= 0.249 cum say 0.25 cum | cum | 0.8 | 5078.87 | 4063.10 | A |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work | cum | 0.25 | 4110.278 | 1027.57 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement<br>4.20mx0.35m = 1.47 sqm<br>2x0.56x0.15m = 0.17 sqm<br>2x1/2x0.90x0.10m = 0.09 sqm<br>For fixing cover<br>0.96x0.96 m =0.922 sqm<br>Total = 2.652 sqm<br>Less cover<br>3.14/4x(0.56)²=(-) 0.246 sqm<br>=2.406 sqm Say 2.41 sqm | | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing Reinforced cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>For slab:<br>1.66x1.36x0.15m = 0.339 cum<br>Add extra concreting<br>1x(0.56+0.79)x0.15x0.15 m=0.03 cum<br>Total =0.369 cum<br>Less for cover<br>0.7854x(0.50)²x0.15m = (-) 0.037 cum<br>= 0.332 cum Say 0.33 cum | sqm | 2.41 | 188.90 | 455.25 | A |
| 5.3 | Rate as per Item Number 5.3 of SH: Reinforced cement concrete work<br>Less labour for not lifting the materilas upto floor five level | cum | 0.33 | 5258.175 | 1735.20 | A |
| 115 | Coolie | day | -0.62 | 265.00 | -164.30 | |
| | Steel reinforcement for slab @ 80.09 kg/cum<br>For 0.33 cum = 26.43 kg | | | | | |
| 5.22.1 | Rate as per Item Number 5.22.1 of SH: Reinforced cement concrete work<br>Form work inside area of manhole<br>1.20x0.90 =1.08<br>Less cover = 3.14/4x(0.56)²=(-) 0.246 sqm<br>= 0.834 sqm Say 0.83 sqm | kilogram | 26.43 | 75.33 | 1991.06 | A |
| 5.9.3 | Rate as per Item Number 5.9.3 of SH: Reinforced cement concrete work<br>LABOUR:<br>Extra labour for making channel: | sqm | 0.83 | 358.97 | 297.95 | A |
| 123 | Mason (brick layer) 1 st class | day | 0.08 | 342.00 | 27.36 | |
| 124 | Mason (brick layer) 2nd class | day | 0.08 | 305.00 | 24.40 | |
| 3860 | 560 mm dia cover with frame (Heavy duty) | each | 1 | 8376.51 | 8376.51 | |
| 9999 | Carriage of C.I. cover & frame | L.S. | 13.52 | 1.8 | 24.34 | |
| 9999 | Painting of C.I. cover & frame with coal tar | L.S. | 6.76 | 1.8 | 12.17 | |
| 9999 | Sundries | L.S. | 20.28 | 1.8 | 36.50 | |
| | TOTAL A | | | | 11171.55 | |
| | TOTAL | | | | 19508.53 | |
| | Add Water Charges @ 1% except on A i.e on TOTAL | | | | 83.37 | |
| | | | | | 19591.90 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1183.06 | |
| | TOTAL | | | | 20774.96 | (Y) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 1440.51 |
| | Cost of each | | | | 22215.47 |
| | add 1% labour cess | | | | 222.15 |
| | Say | | | | **22437.60** |
| **19.8** | **Extra for depth for manholes.** | | | | |
| **19.8.1** | **Size 90x80 cm.** | | | | |
| **19.8.1.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 7.5.** | | | | |
| | Details of cost for one metre. | | | | |
| | MATERIAL: | | | | |
| | Brick work with bricks of class designation 75 in cement mortar 1:4(1 cement : 4 coarse sand) 4.32x0.23x1.00 = 0.994 cum | | | | |
| | Say 0.99 cum | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work 12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement 3.40x1 m = 3.40 sqm | cum | 0.99 | 4987.334 | 4937.46 |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 3.4 | 188.90 | 642.26 |
| | TOTAL | | | | 5579.72 |
| | Cost of 1 metre | | | | 5579.72 |
| | add 1% labour cess | | | | 55.80 |
| | Say | | | | **5635.50** |
| **19.8.1.2** | **With Sewer bricks conforming to IS : 4885.** | | | | |
| | Details of cost for one metre. | | | | |
| | MATERIAL: | | | | |
| | Brick work with modular extruded burnt fire clay sewer bricks in cement mortar 1:4 (1 cement : 4 coarse sand) 1x4.32x0.23x1.0 = 0.994 say 0.99 cum | | | | |
| 6.36.1 | Rate as per Item Number 6.36.1 of SH: Brick Work 12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement 3.40x1 m = 3.40 sqm | cum | 0.99 | 5078.87 | 5028.08 |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 3.4 | 188.90 | 642.26 |
| | TOTAL | | | | 5670.34 |
| | Cost of 1 metre | | | | 5670.34 |
| | add 1% labour cess | | | | 56.70 |
| | Say | | | | **5727.00** |
| **19.8.2** | **Size 120x90 cm.** | | | | |
| **19.8.2.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 7.5.** | | | | |
| | Details of cost for one metre. | | | | |
| | MATERIAL: | | | | |
| | Brick work with modular extruded burnt fire clay sewer bricks in cement mortar 1:4(1 cement : 4 coarse sand) 5.12x0.23x1.0 = 1.178 say 1.18 cum | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work 12 mm cement plaster 1:3 (1 cement: | cum sqm | 1.18 | 4987.334 | 5885.05 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | 3 coarse sand) finished with floating coat of neat cement 4.20x1 m = 4.20 sqm | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | | 4.2 | 188.90 | 793.38 |
| | TOTAL | | | | 6678.44 |
| | Cost of 1 metre | | | | 6678.44 |
| | add 1% labour cess | | | | 66.78 |
| | Say | | | | **6745.20** |
| **19.8.2.2** | **With Sewer bricks conforming to IS : 4885.** | | | | |
| | Details of cost for one metre. | | | | |
| | MATERIAL: | | | | |
| | Brick work with modular extruded burnt fire clay sewer bricks in cement mortar 1:4 (1 cement : 4 coarse sand) | | | | |
| | 5.12x0.23x1.00=1.178 say 1.18 cum | | | | |
| 6.36.1 | Rate as per Item Number 6.36.1 of SH: Brick work | cum | 1.18 | 5078.87 | 5993.07 |
| | 12 mm cement plaster 1:3 (1 cement: 3 coarse s and) finished with floating coat of neat cement | | | | |
| | 4.20x1 m = 4.20sqm | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 4.2 | 188.90 | 793.38 |
| | TOTAL | | | | 6786.45 |
| | Cost of 1 metre | | | | 6786.45 |
| | add 1% labour cess | | | | 67.86 |
| | Say | | | | **6854.30** |
| **19.9** | **Constructing brick masonry circular type manhole 0.91m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement :4 coarse sand), in side cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand :4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design.** | | | | |
| **19.9.1** | **0.91m deep with S.F.R.C. cover and frame (heavy duty, HD-20 g rade designation)560 mm internal diameter conforming to IS:12592, total weight of cover and f rame to be not less than 182 kg, fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering,shuttering all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately).** | | | | |
| **19.9.1.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 100A** | | | | |
| | Details of cost for one manhole. | | | | |
| | MATERIAL: | | | | |
| | Cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) 1.67x1.67x0.225 = 0.63cum. | | | | |
| 4.1.6 | Rate as per Item Number 4.1.6 of SH: Concrete work | cum | 0.63 | 3274.25 | 2062.78 A |
| | Brick work with bricks of class designation | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 75 in cement mortar 1:4 (1 cement: 4 coarse sand) Curved on plan<br>3.14x1.14x0.074x0.23=0.061<br>3.14x(1.14+0.79)²x0.711x0.23 = 0.496<br>Total = 0.557<br>Duduct arch ring and portion of pipe<br>2x½x3.14x0.25x0.230x0.10 m = 0.018 cum<br>2x3.14/4x(0.15)²x0.230 = 0.008 cum<br>Total = 0.026 cum<br>Net quantity 0.557-0.026 = 0.531 Say 0.53 cum | | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work<br>Brick work in foundation with 75 class designation brick in cement mortar 1:4 ( 1 cement: 4 coarse sand)<br>2x½x3.14x0.25 m x0.230x0.10 m = 0.018 cum Say 0.02 cum | cum | 0.53 | 4987.334 | 2643.29 | A |
| 6.15A | Rate as per Item Number 6.9 of SH: Brick work<br>Cement concrete 1:2:4(1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>For benching:<br>3.14/4x(0.91+0.82)2x0.20 = 0.118 cum<br>[(2x8.133)/360]x(4/3)x3.14x(0.45)³ =0.017 cum<br>Total = 0.135 cum<br>Less pipe :<br>0.91x3.14/4x(0.15)² = (-) 0.016 cum<br>= 0.119 cum Say 0.12 cum | cum | 0.02 | 7890.52 | 157.81 | A |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work<br>Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>For fixing cover :<br>3.14/4 x d²x thickness<br>0.7854x1.020² x 0.15 =0.123 cum<br>Less cover<br>3.14/4x(0.28)² x 0.15 = (-) 0.037 cum<br>Total = 0.086 cum Say 0.09 cum | cum | 0.12 | 4110.278 | 493.23 | A |
| 4.2.3 | Rate as per Item Number 4.2.3 of SH: Concrete work<br>12 mm cement plaster 1:3(1 cement: 3 coarse sand) finished with floating coat of neat cement<br>3.14x(0.80+0.56)/2x0.49 = 1.05 sqm<br>3.14x0.56x0.075 = 0.13 sqm<br>Benching<br>3.14x(0.80)²/4-0.80x0.15+0.80x½x3.14x 0.15= 0.57 sqm<br>Total = 1.75 sqm | cum | 0.09 | 5048.13 | 454.33 | A |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: | sqm | 1.75 | 188.90 | 330.58 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Finishing | | | | | |
| | LABOUR: | | | | | |
| | Extra labour for making channel: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.06 | 342.00 | 20.52 | |
| 124 | Mason (brick layer) 2nd class | day | 0.06 | 305.00 | 18.30 | |
| | S.F.R.C cover | | | | | |
| 7135 | Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20 | each | 1 | 558.43 | 558.43 | |
| 9999 | Carriage | L.S. | 6.89 | 1.8 | 12.40 | |
| 9999 | Sundries | L.S. | 16.9 | 1.8 | 30.42 | |
| | TOTAL A | | | | 6142.02 | |
| | TOTAL | | | | 6782.10 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 6.4007604 | |
| | TOTAL | | | | 6788.50 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 90.83 | |
| | TOTAL | | | | 6879.33 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 110.60 | |
| | Cost of each | | | | 6989.92 | |
| | add 1% labour cess | | | | 69.90 | |
| | Say | | | | **7059.80** | |
| **19.9.1.2** | **With Sewer bricks conforming to IS : 4885.** | | | | | |
| | Details of cost for one manhole. | | | | | |
| | MATERIAL: | | | | | |
| | Cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) | | | | | |
| | 1.67x1.67x0.225 = 0.63cum. | | | | | |
| 4.1.6 | Rate as per Item Number 4.1.6 of SH: Concrete work | cum | 0.63 | 3274.25 | 2062.78 | A |
| | Brick work with moduler extruded burnt fire clay sewer bricks in cement mortar 1:4(1 cement: 4 coarse sand) | | | | | |
| | Curved on plan | | | | | |
| | 3.14x1.14x0.074x0.23 =0.061 | | | | | |
| | 3.14x(1.14+0.79)/2x0.711x0.23 = 0.496 = 0.557 Duduct arch ring and portion of pipe | | | | | |
| | 2x½x3.14x0.25mx0.230x0.10 m = 0.018 cum 2x3.14/4x(0.15)2x0.230 = 0.008 cum | | | | | |
| | Total = 0.026 cum | | | | | |
| | Net quantity 0.557-0.026 = 0.531 Say 0.53 cum | | | | | |
| 6.36.1 | Rate as per Item Number 6.36.1 of SH: Brick work | cum | 0.53 | 5078.87 | 2691.80 | A |
| | Brick work moduler extruded burnt fire clay sewer bricks in arches brick in cement mortar 1:3 (1 cement: 3 coarse sand) | | | | | |
| | 2x½x3.14x0.25m x0.230x0.10 m = 0.018 cum Say 0.02 cum | | | | | |
| 6.12.1A | Rate as per Item Number 6.37 of SH: Brick work | cum | 0.02 | 5078.87 | 101.58 | A |
| | Cement concrete 1:2:4 (1 cement: 2 coarse | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | sand : 4 graded stone aggregate 20 mm nominal size) For benching: 3.14/4x(0.91+0.82)²x0.20 = 0.118 cum [(2x8.133)/360]x(4/3)x3.14x(0.45)³ =0.017 cum Total = 0.135 cum Less pipe : 0.91x3.14/4x(0.15)²= (-) 0.016 cum Total = 0.119 cum Say 0.12 cum | | | | | |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) For fixing cover : 3.14/4 x d²x thickness 0.7854x1.020² x 0.15 m =0.123 cum Less cover 3.14/4x(0.28)² x 0.15 m = (-)0.037 cum Total = 0.086 cum Say 0.09 cum | cum | 0.12 | 4110.278 | 493.23 | A |
| 4.2.3 | Rate as per Item Number 4.2.3 of SH: Concrete work 12 mm cement plaster 1:3(1 cement: 3 coarse sand) finished with floating coat of neat cement 3.14x(0.80+0.56)/2x0.49 = 1.05 sqm 3.14x0.56x0.075 = 0.13 sqm Benching 3.14x(0.80)²/4-0.80x0.15+0.80x½x3.14x 0.15 = 0.57 sqm Total = 1.75 sqm | cum | 0.09 | 5048.13 | 454.33 | A |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 1.75 | 188.90 | 330.58 | A |
| | LABOUR: Extra labour for making channel: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.06 | 342.00 | 20.52 | |
| 124 | Mason (brick layer) 2nd class | day | 0.06 | 305.00 | 18.30 | |
| | S.F.R.C cover | | | | | |
| 7135 | Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20 | each | 1 | 558.434 | 558.43 | |
| 9999 | Carriage | L.S. | 6.89 | 1.8 | 12.40 | |
| 9999 | Sundries | L.S. | 16.9 | 1.8 | 30.42 | |
| | TOTAL A | | | | 6134.30 | |
| | TOTAL | | | | 6774.38 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 6.4007604 | |
| | TOTAL | | | | 6780.78 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 90.83 | |
| | TOTAL | | | | 6871.61 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 110.60 | |
| | Cost of each | | | | 6982.20 | |
| | add 1% labour cess | | | | 69.82 | |
| | Say | | | | **7052.00** | |
| **19.10** | **Extra depth for circular type manhole 0.91 m internal dia (at bottom) beyond 0.91 m to 1.67 m.** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **19.10.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 100A**<br>Details of cost for 0.76m depth.<br>Brick work in foundation with 75 class designation bricks in cement montar 1:4 (1 cement : 4 coarse sand) | | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work<br>cement concrete 1:2:4( 1 cement :2 coarse sand :4 graded stone aggregate 20mm nominal size) | cum | 0.63 | 4987.334 | 3142.02 | A |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work<br>12mm cement plaster 1:3 (1 cement : 3 coarse sand) finished with neat cement. | cum | 0.01 | 4110.278 | 41.10 | A |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 2.33 | 188.90 | 440.14 | A |
| | TOTAL | | | | 3623.26 | |
| | Cost of 0.76 metre | | | | 3623.26 | |
| | Cost of 1 metre | | | | 4767.45 | |
| | add 1% labour cess | | | | 47.67 | |
| | Say | | | | **4815.10** | |
| **19.10.2** | **With Sewer bricks conforming IS : 4885.**<br>Details of cost for 0.76m depth.<br>Brick work with modular exturded burnt fire clay bricks in cement montar 1:4 (1 cement : 4 coarse sand) | | | | | |
| 6.36.1 | Rate as per Item Number 6.36.1 of SH: Brick work<br>Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size ) | cum | 0.63 | 5078.87 | 3199.69 | A |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work<br>12mm cement plaster 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement. | cum | 0.01 | 4110.278 | 41.10 | A |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 2.33 | 188.90 | 440.14 | A |
| | TOTAL | | | | 3680.93 | |
| | Cost of 0.76 metre | | | | 3680.93 | |
| | Cost of 1 metre | | | | 4843.33 | |
| | add 1% labour cess | | | | 48.43 | |
| | Say | | | | **4891.76** | |
| **19.11** | **Constructing brick masonry circular manhole 1.22 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement :4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design.** | | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **19.11.1** | **1.68 m deep with SFRC cover and frame (heavy duty HD-20 grade designation)560 mm internal diameter conforming to IS:12592, total weight of cover and frame to be not less than 182 kg fixed in cement concrete 1:2:4 (1 cement : 2 coarse and : 4 graded stone aggregate 20 mm nominal size) including centering,shuttering all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately).** | | | | | |
| **19.11.1.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 100A**<br>Details of cost for one manhole.<br>MATERIAL:<br>Cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)<br>1.98x1.98x0.30 = 1.178 say 1.18 cum | | | | | |
| 4.1.6 | Rate as per Item Number 4.1.6 of SH: Concrete work<br>Brick work with bricks of class designation 75 in cement mortar 1:4(1 cement: 4 coarse sand)<br>Curved on plan<br>3.14x1.45x0.24x0.23 = 0.251<br>3.14x(1.45+0.79)/2x 1.32x0.23= 1.069<br>Total = 1.320<br>Duduct arch ring and portion of pipe<br>2x½x3.14x0.25x0.230x0.10 m = 0.018 cum<br>2x3.14/4x(0.15)²x0.230 = 0.008 cum<br>Total = 0.026 cum<br>Net quantity 1.320-0.026 = 1.294 Say 1.29 cum | cum | 1.18 | 3274.25 | 3863.62 | A |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work<br>Brick work in arches with 75 class designation brick in cement mortar 1:3(1 cement: 3 coarse sand)<br>2x½x3.14x0.25 m x0.230x0.10 m = 0.018 cum Say 0.02 cum | cum | 1.29 | 4987.334 | 6433.66 | A |
| 6.9 | Rate as per Item Number 6.9 of SH: Brick work<br>Cement concrete 1:2:4(1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>For benching:<br>3.14/4x(1.22)²x0.20 = 0.234 cum<br>[(2x8.133)/360]x(4/3)x3.14x(0.61)³ =0.043 cum Total = 0.277 cum<br>Less pipe :<br>1.22x3.14/4x(0.15)²=(-)0.0216 cum<br>Total = 0.2554 cum Say 0.26 cum | cum | 0.26 | 4110.278 | 1068.67 | A |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work<br>Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | nominal size)<br>For fixing cover :<br>3.14/4 x $d^2$ x thickness<br>0.7854x1.020² x0.15 m =0.123 cum<br>Less cover<br>3.14/4x(0.28)² x 0.15 = (-) 0.037 cum<br>Total = 0.086 cum Say 0.09 cum | | | | | |
| 4.2.3 | Rate as per Item Number 4.2.3 of SH: Concrete work<br>12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement 3.14x(1.136+0.56)/2x1.216 = 3.241 sqm<br>3.14x0.56x0.075 = 0.13 sqm<br>3.14x(1.136)²/4-1.136x1/2x3.14x0.15= 1.112 sqm<br>Total = 4.483 sqm Say 4.48 sqm | cum | 0.09 | 5048.13 | 454.33 | A |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 4.48 | 188.90 | 846.28 | A |
| | LABOUR:<br>Extra labour for making channel: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.1 | 342.00 | 34.20 | |
| 124 | Mason (brick layer) 2nd class | day | 0.1 | 305.00 | 30.50 | |
| | S.F.R.C manhole cover | | | | | |
| 7135 | Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20 | each | 1 | 558.43 | 558.43 | |
| 9999 | Carriage | L.S. | 6.89 | 1.8 | 12.40 | |
| 9999 | Sundries | L.S. | 16.9 | 1.8 | 30.42 | |
| | TOTAL A | | | | 12824.37 | |
| | TOTAL | | | | 13490.33 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 6.6595604 | |
| | TOTAL | | | | 13496.99 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 94.50 | |
| | TOTAL | | | | 13591.49 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 115.07 | |
| | Cost of each | | | | 13706.56 | |
| | add 1% labour cess | | | | 137.07 | |
| | Say | | | | **13843.60** | |
| **19.11.1.2** | Details of cost for one manhole. | | | | | |
| | MATERIAL:<br>Cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)<br>1.98x1.98x0.30 = 1.178 say 1.18 cum. | | | | | |
| 4.1.6 | Rate as per Item Number 4.1.6 of SH: Concrete work<br>Brick work modular exturded burnt fire ash clay in cement mortar 1:4(1 cement: 4 coarse sand)<br>Curved on plan<br>3.14x1.45x0.24x0.23 = 0.251<br>3.14x(1.45+0.79)/2x1.32x0.23 = 1.069 | cum | 1.18 | 3274.25 | 3863.62 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Total = 1.320 cum<br>Duduct arch ring and portion of pipe<br>2x½x3.14x0.25x0.230x0.10 = 0.018 cum<br>2x3.14/4x(0.15)² x0.230 = 0.008 cum<br>Total = 0.026 cum<br>Net quantity = 1.320-0.026 = 1.294 Say 1.29 cum | | | | | |
| 6.36.1 | Rate as per Item Number 6.36.1 of SH: Brick work<br>Brick work with modular exturded burnt ash clay brick in arches cement mortar 1:3(1 cement: 3 coarse sand)<br>2x1/2x3.14x0.25 m x0.230x0.10 m = 0.018 cum Say 0.02 cum | cum | 1.29 | 5078.87 | 6551.74 | A |
| 6.37 | Rate as per Item Number 6.37 of SH: Brick work<br>Cement concrete 1:2:4(1 cement: 2 coarse sand :<br>4 graded stone aggregate 20 mm nominal size) For benching:<br>3.14/4x(1.22)²x0.20 = 0.234 cum<br>[(2x8.133)/360]x(4/3)x3.14x(0.61)³ =0.043 cum<br>Total = 0.277 cum<br>Less pipe :<br>1.22x3.14/4x(0.15)²= (-) 0.0216 cum<br>Total = 0.2554 cum Say 0.26 cum | cum | 0.02 | 5078.87 | 101.58 | A |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work<br>Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>For fixing cover :<br>3.14/4xd²x thickness<br>0.7854x1.020² x 0.15 m =0.123 cum<br>Less cover<br>3.14/4x(0.28)² x 0.15 = (-)0.037 cum<br>Total = 0.086 cum Say 0.09 cum | cum | 0.26 | 4110.278 | 1068.67 | A |
| 4.2.3 | Rate as per Item Number 4.2.3 of SH: Concrete work<br>12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement<br>3.14x(1.136+0.56)/2x1.216 = 3.241 sqm<br>3.14x0.56x0.075 = 0.13 sqm<br>3.14x(l.136)²/4-1.136x1/2x3.14x0.15 = 1.112 sqm<br>Total = 4.483 sqm Say 4.48 sqm | cum | 0.09 | 5048.13 | 454.33 | A |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing<br>LABOUR:<br>Extra labour for making channel: | sqm | 4.48 | 188.90 | 846.28 | A |
| 123 | Mason (brick layer) 1 st class | day | 0.1 | 342.00 | 34.20 | |
| 124 | Mason (brick layer) 2nd class | day | 0.1 | 305.00 | 30.50 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | S.F.R. C manhole cover and frame | | | | | |
| 7135 | Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20 | each | 1 | 558.434 | 558.43 | |
| 9999 | Carriage | L.S. | 6.89 | 1.8 | 12.40 | |
| 9999 | Sundries | L.S. | 16.9 | 1.8 | 30.42 | |
| | TOTAL A | | | | 12886.22 | |
| | TOTAL | | | | 13552.18 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 6.6595604 | |
| | TOTAL | | | | 13558.84 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 94.50 | |
| | TOTAL | | | | 13653.34 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 115.07 | |
| | Cost of each | | | | 13768.41 | |
| | add 1% labour cess | | | | 137.68 | |
| | Say | | | | **13906.10** | |
| **19.12** | **Extra depth for circular type manhole 1.22 m internal dia (at bottom) beyond 1.68 m to 2.29 m.** | | | | | |
| **19.12.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 7.5.** | | | | | |
| | Details of cost for 0.61 m extra depth. Brick work with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) | | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work | cum | 0.66 | 4987.334 | 3291.64 | A |
| | 12mm cement plaster 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement. | | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 2.56 | 188.90 | 483.59 | A |
| | TOTAL | | | | 3775.23 | |
| | Cost of 0.61 metre | | | | 3775.23 | |
| | Cost of 1 metre | | | | 6188.8962 | |
| | add 1% labour cess | | | | 61.89 | |
| | Say | | | | **6250.80** | |
| **19.12.2** | **With Sewer bricks conforming IS : 4885.** | | | | | |
| | Details of cost for 0.61 m extra depth. Brick work with modular exturded burnt fire clay bricks in cement montar 1:4 (1 cement : 4 coarse sand) | | | | | |
| 6.36.1 | Rate as per Item Number 6.36.1 of SH: Brick work | cum | 0.66 | 5078.87 | 3352.05 | |
| | 12mm cement plaster 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement. | | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 2.56 | 188.90 | 483.59 | |
| | TOTAL | | | | 3835.64 | |
| | Cost of 0.61 metre | | | | 3835.64 | |
| | Cost of 1 metre | | | | 6287.9353 | |
| | add 1% labour cess | | | | 62.88 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Say | | | | **6350.80** |
| **19.13** | **Constructing brick masonry circular manhole 1.52 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design.** | | | | | |
| **19.13.1** | **2.30 m deep with SFRC cover and frame (heavy duty HD- 20 grade designation) 560 mm internal diameter conforming to IS:12592, total weight of cover and frame to be not less than 182 kg fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately).** | | | | |
| **19.13.1.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation100A**<br>Details of cost for one manhole<br>MATERIAL:<br>Cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)<br>2.74x2.74x0.30=2.25cum | | | | |
| 4.1.6 | Rate as per Item Number 4.1.6 of SH: Concrete work<br>Brick work with bricks of class designation 75 in cement mortar 1:4(1 cement: 4 coarse sand)<br>Curved on plan<br>3.14x1.98x0.25x0.46 = 0.716 cum<br>3.14x(1.98+0.905)/2x0.345xl.93 = 3.019 cum Total = 3.735 cum<br>Duduct arch ring and portion of pipe<br>2x½x3.14x0.25mx0.46x0.10 m = 0.036 cum<br>2x3.14/4x0.15²x0.460 = 0.016 cum<br>Total = 0.052 cum<br>Net quantity = 3.735-0.052 = 3.683 cum | cum | 2.25 | 3274.25 | 7367.07 A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Say 3.68 cum | | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work Brick work in arches with 75 class designation brick in cement mortar 1:3(1 cement: 3 fine sand)<br>2x1/2x3.14x0.25 m x0.460x0.10 m = 0.036 cum Say 0.04 cum | cum | 3.68 | 4987.334 | 18353.39 | A |
| 6.9 | Rate as per Item Number 6.9 of SH: Brick work<br>Cement concrete 1:2:4(1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>For benching:<br>3.14/4x(l.52)2x0.20 = 0.363 cum<br>[(2x8.133)/360]x(4/3)x3.14x $0.76^3$=0.083 cum Total = 0.446 cum<br>Less pipe : 1.52x3.14/4x$0.15^2$=(-) 0.027 cum<br>Total = 0.419 cum Say 0.42 cum | cum | 0.42 | 7890.52 | 315.62 | A |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work<br>Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>For fixing cover :<br>3.14/4 x $d^2$ x thickness<br>0.7854x$1.020^2$ x 0.15 m =0.123 cum<br>Less cover<br>3.14/4x $0.28^2$ x 0.15 = (-) 0.037 cum<br>Total = 0.086 cum Say 0.09 cum | cum | 0.09 | 4110.278 | 1726.32 | A |
| 4.2.3 | Rate as per Item Number 4.2.3 of SH: Concrete work<br>12 mm cement plaster 1:3(1 cement: 3 coarse sand) finished with floating coat of neat cement<br>3.14x(1.454+0.56)/2x1.799 = 5.694 sqm<br>3.14x0.56x0.075 = 0.13 sqm<br>Benching<br>3.14x( 1.454)$^2$ 4-1.454x0.15+1.454x1/2x<br>3.14x 0.15 =1.786 sqm<br>Total = 7.61 sqm | cum | 0.09 | 5048.13 | 454.33 | A |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 7.61 | 188.90 | 1437.54 | A |
| | LABOUR:<br>Extra labour for making channel: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.1 | 342.00 | 34.20 | |
| 124 | Mason (brick layer) 2nd class | day | 0.1 | 305.00 | 30.50 | |
| | S.F.R.C cover | | | | | |
| 7135 | Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20 | each | 1 | 558.434 | 558.43 | |
| 9999 | Carriage | L.S. | 6.89 | 1.8 | 12.40 | |
| 9999 | Sundries | L.S. | 16.9 | 1.8 | 30.42 | |
| | TOTAL A | | | | 29654.27 | |
| | TOTAL | | | | 30320.22 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 6.6595604 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 30326.88 (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 94.50 |
| | TOTAL | | | | 30421.39 (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 115.07 |
| | Cost of each | | | | 30536.45 |
| | add 1% labour cess | | | | 305.36 |
| | Say | | | | **30841.80** |
| **19.13.1.2** | **With Sewer bricks conforming IS : 4885.** | | | | |
| | Details of cost for one manhole. | | | | |
| | MATERIAL: | | | | |
| | Cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) | | | | |
| | 2.74x2.74x0.30=2.25cum | | | | |
| 4.1.6 | Rate as per Item Number 4.1.6 of SH: Concrete work | cum | 2.25 | 3274.25 | 7367.07 (A) |
| | Brick work with modular exturded burnt fly ash clay bricks in arches in cement mortar 1:4 (1 cement: 4 coarse sand) | | | | |
| | Curved on plan | | | | |
| | 3.14x1.98x0.25x0.46 = 0.716 cum | | | | |
| | 3.14x(1.98+0.905)/2x0.345x1.93 = 3.019 cum Total = 3.735 cum | | | | |
| | Duduct arch ring and portion of pipe | | | | |
| | 2x½x3.14x0.25mx0.46x0.10 m = 0.036 cum | | | | |
| | 2x3.14/4x(0.15)²x0.460 = 0.016 cum | | | | |
| | Total = 0.052 cum | | | | |
| | Net quantity = 3.735-0.052 = 3.683 cum | | | | |
| | Say 3.68 cum | | | | |
| 6.36.1 | Rate as per Item Number 6.36.1 of SH: Brick work | cum | 3.68 | 5078.87 | 18690.24 (A) |
| | Brick work with modular exturded burnt fly ash clay bricks in arches in cement mortar 1:3 (1 cement: 3 sand) | | | | |
| | 2x½x3.14x0.25 m x0.460x0.10 m = 0.036 cum Say 0.04 cum | | | | |
| 6.37 | Rate as per Item Number 6.37 of SH: Brick work | cum | 0.04 | 5078.87 | 203.15 (A) |
| | Cement concrete 1:2:4(1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) | | | | |
| | For benching: | | | | |
| | 3.14/4x(1.52)²x0.20 = 0.363 cum | | | | |
| | [(2x8.133)/360]x(4/3)x3.14x(0.76)³ =0.083 cum Total = 0.446 cum | | | | |
| | Less pipe : | | | | |
| | 1.52x3.14/4x(0.15)²= (-)0.027 cum | | | | |
| | Net Quantity = 0.419 cum Say 0.42 cum | | | | |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work | cum | 0.42 | 4110.278 | 1726.32 (A) |
| | Cement concrete 1:2:4 (1 cement: 2 coarse | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | sand : 4 graded stone aggregate 20 mm nominal size)<br>For fixing cover :<br>3.14/4 x $d^2$ x thickness<br>0.7854x1.020² x 0.15 m =0.123 cum<br>Less cover<br>3.14/4x(0.28)²x 0.15 m = (-) 0.037 cum<br>Net quantity = 0.086 cum Say 0.09 cum | | | | |
| 4.2.3 | Rate as per Item Number 4.2.3 of SH: Concrete work | cum | 0.09 | 5048.13 | 454.33 (A) |
| | 12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement<br>3.14x(1.454+0.56)/2x1.799 = 5.694 sqm<br>3.14x0.56x0.075 = 0.13 sqm<br>Benching<br>3.14x(1.454)² - 1.454x0.15+1.454x1/2x 3.14x 0.15<br>=1.786 sqm<br>Total = 7.61 sqm | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 7.61 | 188.90 | 1437.54 (A) |
| | LABOUR:<br>Extra labour for making channel : | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.1 | 342.00 | 34.20 |
| 124 | Mason (brick layer) 2nd class | day | 0.1 | 305.00 | 30.50 |
| | S.F.R.C cover | | | | |
| 7135 | Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20 | each | 1 | 558.434 | 558.43 |
| 9999 | Carriage | L.S. | 6.89 | 1.8 | 12.40 |
| 9999 | Sundries | L.S. | 16.9 | 1.8 | 30.42 |
| | TOTAL A | | | | 29878.65 |
| | TOTAL | | | | 30544.61 |
| | Add Water Charges @ 1% except on A i.e on | | | | 6.6595604 |
| | TOTAL | | | | 30551.27 (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 94.50 |
| | TOTAL | | | | 30645.77 (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 115.07 |
| | Cost of each | | | | 30760.84 |
| | add 1% labour cess | | | | 307.61 |
| | Say | | | | **31068.40** |
| **19.14** | **Extra depth for circular type manhole 1.52 m internal dia (at bottom) beyond 2.30 m.** | | | | |
| **19.14.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 7.5.** | | | | |
| | Details of cost for 1.88m extra depth.<br>Brick work with bricks of class designation 75 in cement mortar 1:4 (1 cement: 4 coarse sand) | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: | cum | 5.26 | 4987.334 | 26233.38 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Brick work<br>12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 8.99 | 188.90 | 1698.22 |
| | TOTAL | | | | 27931.60 |
| | Cost of 1.88 metre | | | | 27931.60 |
| | Cost of 1 metre | | | | 14857.232 |
| | add 1% labour cess | | | | 148.57 |
| | Say | | | | **15005.80** |
| **19.14.2** | **With Sewer bricks conforming IS : 4885.**<br>Details of cost for 1.88m extra depth.<br>Brick work with modular exturded burnt fly ash bricks in cement mortar 1:4 (1 cement: 4 coarse sand) | | | | |
| 6.36.1 | Rate as per Item Number 6.36.1 of SH: Brick work<br>12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement | cum | 5.26 | 5078.87 | 26714.86 |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 8.99 | 188.90 | 1698.22 |
| | TOTAL | | | | 28413.08 |
| | Cost of 1.88 metre | | | | 28413.08 |
| | Cost of 1 metre | | | | 15113.339 |
| | add 1% labour cess | | | | 151.13 |
| | Say | | | | **15264.50** |
| **19.15** | **Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design.** | | | | |
| **19.15.1** | **With 20x20 mm square bar.** | | | | |
| **Code** | **Description** | **Unit** | **Quantity** | **Rate** | **Amount** |
| | Details of cost for one M.S foot rest.<br>MATERIAL:<br>M.S. 20 mm square bar 0.75 m @ 3.137 kg/m | | | | |
| 1006 | Mild steel square bars | quintal | 0.024 | 3420.409 | 82.09 |
| 9999 | Carriage, paintng and other sundries | L.S. | 1.82 | 1.8 | 3.28 |
| | Labour for fabrication | | | | |
| 103 | Blacksmith 2nd class | day | 0.1 | 305.00 | 30.50 |
| 114 | Beldar | day | 0.1 | 254.00 | 25.40 |
| | Cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)<br>0.20x0.20x0.10 m = 0.004 cum | | | | |
| 4.2.5 | Rate as per Item Number 4.2.5 of SH: Concrete work | cum | 0.004 | 4365.00 | 17.46 A |
| | Labour for fixing MS foot rests | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.02 | 342.00 | 6.84 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 124 | Mason (brick layer) 2nd class | day | 0.02 | 305.00 | 6.10 | |
| 114 | Beldar | day | 0.05 | 254.00 | 12.70 | |
| | TOTAL | | | | 184.37 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1.67 | |
| | TOTAL | | | | 186.03 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 23.68 | |
| | TOTAL | | | | 209.72 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 28.84 | |
| | Cost of each | | | | 238.56 | |
| | labour cess @1% | | | | 2.39 | |
| | Say | | | | **240.90** | |
| **19.15.2** | **With 20 mm diameter round bar.** | | | | | |
| | Details of cost for one M.S foot rest. | | | | | |
| | MATERIAL: | | | | | |
| | M.S. round brass20 mm dia 0.75 m @ 2.47kg m = 0.018 q | | | | | |
| 1003 | Mild steel round bar above 12 mm dia | quintal | 0.018 | 4545.00 | 81.81 | |
| 9999 | Carriage | L.S. | 1.82 | 1.8 | 3.28 | |
| | Labour for fabrication | | | | | |
| 103 | Blacksmith 2nd class | day | 0.1 | 305.00 | 30.50 | |
| 114 | Beldar | day | 0.1 | 254.00 | 25.40 | |
| | Cement concrete 1:3:6 ( 1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) 0.20x0.20x0.10 m = 0.004 cum | | | | | |
| 4.2.5 | Rate as per Item Number 4.2.5 of SH: Concrete work | cum | 0.004 | 4365.00 | 17.46 | (A) |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.02 | 342.00 | 6.84 | |
| 124 | Mason (brick layer) 2nd class | day | 0.02 | 305.00 | 6.10 | |
| 114 | Beldar | day | 0.05 | 254.00 | 12.70 | |
| | TOTAL | | | | 184.09 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1.67 | |
| | TOTAL | | | | 185.75 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 23.65 | |
| | TOTAL | | | | 209.40 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 28.79 | |
| | Cost of each | | | | 238.19 | |
| | labour cess @1% | | | | 2.38 | |
| | Say | | | | **240.60** | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **19.16** | **Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910 on 12 mm dia steel bar conforming to IS : 1786, having minimum cross section as 23 mm x 25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7354 | Plastic encapsulated M.S. foot rest 30x 20x15 cm | each | 1 | 107.03 | 107.03 | |
| 9999 | Carriage and other sundries | L.S. | 1.82 | 1.8 | 3.28 | |
| | Cement concrete 1:3:6 (0.30x0.20x15 = 0.009 cum) | | | | | |
| 4.2.5 | Rate as per Item Number 4.2.5 of SH: Concrete work | cum | 0.009 | 4365.00 | 39.29 | A |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.02 | 342.00 | 6.84 | |
| 124 | Mason (brick layer) 2nd class | day | 0.2 | 305.00 | 61.00 | |
| 114 | Beldar | day | 0.05 | 254.00 | 12.70 | |
| | TOTAL | | | | 230.13 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1.91 | |
| | TOTAL | | | | 232.04 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 27.08 | |
| | TOTAL | | | | 259.13 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 32.98 | |
| | Cost of each | | | | 292.10 | |
| | labour cess @1% | | | | 2.92 | |
| | Say | | | | **295.00** | |
| **19.17** | **Replacement of M.S. foot rests in manholes including dismantling concrete blocks and fixing with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).** | | | | | |
| **19.17.1** | **With 20x20 mm square bar.** | | | | | |
| | Details of cost for one M.S foot rest. | | | | | |
| | MATERIAL: | | | | | |
| | M.S. 20 mm square bar 0.75 m @ 3.137 kg/m =0.024 q | | | | | |
| 1006 | Mild steel square bars | quintal | 0.024 | 3420.41 | 82.09 | |
| 9999 | Carriage, paintng and other sundries | L.S. | 1.82 | 1.8 | 3.28 | |
| | Labour for fabrication | | | | | |
| 103 | Blacksmith 2nd class | day | 0.1 | 305.00 | 30.50 | |
| 114 | Beldar | day | 0.1 | 254.00 | 25.40 | |
| | Cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) 0.20x0.20x0.10 m = 0.004 cum | | | | | |
| 4.2.5 | Rate as per Item Number 4.2.5 of SH: | cum | 0.004 | 4365.00 | 17.46 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Concrete work | | | | | |
| | LABOUR: | | | | | |
| | for dismantling old fort rest cutting holes and fixing new M.S. foot rests | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.05 | 342.00 | 17.10 | |
| 124 | Mason (brick layer) 2nd class | day | 0.05 | 305.00 | 15.25 | |
| 114 | Beldar | day | 0.1 | 254.00 | 25.40 | |
| | TOTAL | | | | 216.48 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1.99 | |
| | TOTAL | | | | 218.47 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 28.24 | |
| | TOTAL | | | | 246.71 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 34.39 | |
| | Cost of each | | | | 281.09 | |
| | labour cess @1% | | | | 2.81 | |
| | Say | | | | **283.90** | |
| **19.17.2** | **With 20 mm diameter round bar.** | | | | | |
| | Details of cost for one M.S foot rest. | | | | | |
| | MATERIAL: | | | | | |
| | M.S. roumd bars 20 mm dia 0.75 m @ 2.47 kg/m =0.018 q | | | | | |
| 1003 | Mild steel round bar above 12 mm dia | quintal | 0.018 | 4545.00 | 81.81 | |
| 9999 | Carriage, paintng and other sundries | L.S. | 1.82 | 1.8 | 3.28 | |
| | Labour for fabrication | | | | | |
| 103 | Blacksmith 2nd class | day | 0.1 | 305.00 | 30.50 | |
| 114 | Beldar | day | 0.1 | 254.00 | 25.40 | |
| | Cement concrete 1:3:6 ( 1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) | | | | | |
| | 0.20x0.20x0.10 m = 0.004 cum | | | | | |
| 4.2.5 | Rate as per Item Number 4.2.5 of SH: | cum | 0.004 | 4365.00 | 17.46 | (A) |
| | Concrete work | | | | | |
| | LABOUR: | | | | | |
| | for dismantling old fort rest cutting holes and fixing new M.S. foot rests | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.05 | 342.00 | 17.10 | |
| 124 | Mason (brick layer) 2nd class | day | 0.05 | 305.00 | 15.25 | |
| 114 | Beldar | day | 0.1 | 254.00 | 25.40 | |
| | TOTAL | | | | 216.20 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1.99 | |
| | TOTAL | | | | 218.18 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 28.20 | |
| | TOTAL | | | | 246.39 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 34.34 | |
| | Cost of each | | | | 280.72 | |
| | labour cess @1% | | | | 2.81 | |
| | Say | | | | **283.50** | |
| **19.18** | **Supplying and fixing C.I. cover without frame for manholes.** | | | | | |
| **19.18.1** | **455x610 mm rectangular C.I. cover (light duty) the weight of the cover to be not** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | **less than 23 kg.** | | | | |
| | Details of cost for one cover. | | | | |
| | MATERIAL: | | | | |
| 1355 | Rectangular cover 455x610 mm without frame (low duty) | each | 1 | 930.72 | 930.72 |
| 9999 | Carriage of C.I. manhole cover | L.S. | 7.15 | 1.8 | 12.87 |
| | LABOUR: | | | | |
| 114 | Beldar | day | 0.12 | 254.00 | 30.48 |
| | TOTAL | | | | 974.07 |
| | Add Water Charges @ 1% | | | | 9.740734 |
| | TOTAL | | | | 983.81 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 138.23 |
| | TOTAL | | | | 1122.04 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 168.306 |
| | Cost of each | | | | 1290.35 |
| | labour cess @1% | | | | 12.90 |
| | Say | | | | **1303.20** |
| **19.18.2** | **500 mm diameter C.I. cover (medium duty) the weight of the cover to be not less than 58 kg.** | | | | |
| | Details of cost for one cover. | | | | |
| | MATERIAL: | | | | |
| 1357 | 500 mm dia cover without frame (medium duty) | each | 1 | 2140.66 | 2140.66 |
| 9999 | Carriage of C.I. cover | L.S. | 13.47 | 1.8 | 24.25 |
| | LABOUR: | | | | |
| 114 | Beldar | day | 0.12 | 254.00 | 30.48 |
| | TOTAL | | | | 2195.39 |
| | Add Water Charges @ 1% | | | | 21.953898 |
| | TOTAL | | | | 2217.34 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 311.54 |
| | TOTAL | | | | 2528.88 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 379.33208 |
| | Cost of each | | | | 2908.21 |
| | labour cess @1% | | | | 29.08 |
| | Say | | | | **2937.30** |
| **19.18.3** | **560 mm diameter C.I. cover (heavy duty) the weight of the cover to be not less than 108 kg.** | | | | |
| | Details of cost for one cover. | | | | |
| | MATERIAL: | | | | |
| 3861 | 560 mm dia cover without frame (Heavy duty) | each | 1 | 4653.62 | 4653.62 |
| 9999 | Carriage of C.I. cover | L.S. | 16.12 | 1.8 | 29.02 |
| | LABOUR: | | | | |
| 114 | Beldar | day | 0.12 | 254.00 | 30.48 |
| | TOTAL | | | | 4713.11 |
| | Add Water Charges @ 1% | | | | 47.13113 |
| | TOTAL | | | | 4760.24 (X) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 668.81 | |
| | TOTAL | | | | 5429.06 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 814.35877 | |
| | Cost of each | | | | 6243.42 | |
| | labour cess @1% | | | | 62.43 | |
| | Say | | | | **6305.90** | |
| **19.19** | **Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality.** | | | | | |
| **19.19.1** | **L D - 2.5.** | | | | | |
| **19.19.1.1** | **Rectangular shape 600x450 mm internal dimensions.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7130 | Rectangular shape 600x450 mm precast R.C.C. manhole cover with frame - L.D. - 25<br>Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size)<br>1.00x0.85x0.15 = 0.1275 cum<br>Less cover with frame<br>0.85x0.70x0.15 = (-) 0.0893 cum<br>= 0.0382 cum Say 0.04 cum | each | 1 | 651.51 | 651.51 | |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work | cum | 0.04 | 4110.278 | 164.41 | A |
| 9999 | Carriage of R.C.C cover with frame | L.S. | 6.76 | 1.8 | 12.17 | |
| 9999 | Sundries | L.S. | 13.52 | 1.8 | 24.34 | |
| | TOTAL | | | | 852.42 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 6.8801038 | |
| | TOTAL | | | | 859.30 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 97.63 | |
| | TOTAL | | | | 956.93 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 118.88 | |
| | Cost of each | | | | 1075.81 | |
| | labour cess @1% | | | | 10.76 | |
| | Say | | | | **1086.60** | |
| **19.19.1.2** | **Square shape 450 mm internal dimensions.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7131 | Square shape 450x450 mm precast R.C.C. manhole cover with frame - L.D. - 25 | each | 1.00 | 558.43 | 558.43 | |
| 9999 | Carriage of manhole cover | L.S. | 6.76 | 1.80 | 12.17 | |
| | Cement concrete 1:2:4 ( 1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size)<br>0.725x0.725x0.15 = 0.0788 cum<br>Less cover with frame<br>0.575x0.575x0.15 = (-) 0.0496 cum<br>= 0.0292 cum Say 0.03 cum | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work | cum | 0.03 | 4110.28 | 123.31 | A |
| 9999 | Sundries | L.S. | 13.52 | 1.80 | 24.34 | |
| | TOTAL | | | | 718.25 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 5.95 | |
| | TOTAL | | | | 724.20 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 84.42 | |
| | TOTAL | | | | 808.62 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 102.80 | |
| | Cost of each | | | | 911.42 | |
| | labour cess @1% | | | | 9.11 | |
| | Say | | | | **920.50** | |
| **19.19.1.3** | **Circular shape 450 mm internal diameter.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7132 | Circular shape 450 mm dia precast R.C.C. manhole cover with frame - L.D. - 25 | each | 1 | 558.43 | 558.43 | |
| 9999 | Carriage of manhole cover | L.S. | 6.76 | 1.8 | 12.17 | |
| | Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) | | | | | |
| | 3.14/4x(0.775)²x0.15 = 0.0708 cum | | | | | |
| | Less cover with frame | | | | | |
| | 3.14/4x(0.625)²x0.15 = (-) 0.0460 cum | | | | | |
| | = 0.0248 cum Say 0.03 cum | | | | | |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work | cum | 0.03 | 4110.278 | 123.31 | (A) |
| 9999 | Sundries | L.S. | 13.52 | 1.8 | 24.34 | |
| | TOTAL | | | | 718.25 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 5.9493804 | |
| | TOTAL | | | | 724.20 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 84.42 | |
| | TOTAL | | | | 808.62 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 102.80 | |
| | Cost of each | | | | 911.42 | |
| | labour cess @1% | | | | 9.11 | |
| | Say | | | | **920.50** | |
| **19.19.2** | **M D -10.** | | | | | |
| **19.19.2.1** | **Square shape 450 mm internal dimension.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7133 | Rectangular shape 500x500 mm precast R.C.C. manhole cover with frame - M.D. - 10 | each | 1 | 558.43 | 558.43 | |
| 9999 | Carriage of manhole cover | L.S. | 6.76 | 1.8 | 12.17 | |
| | Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) | | | | | |
| | 0.95x0.95x0.15 =0.1354 cum | | | | | |
| | Less cover with frame | | | | | |
| | 0.80x0.80x0.15 = (-) 0.096 cum | | | | | |
| | = 0.0394 cum Say 0.04 cum | | | | | |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: | cum | 0.04 | 4110.278 | 164.41 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Concrete work | | | | | |
| 9999 | Sundries | L.S. | 16.64 | 1.8 | 29.95 | |
| | TOTAL | | | | 764.97 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 6.0055404 | |
| | TOTAL | | | | 770.97 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 85.22 | |
| | TOTAL | | | | 856.19 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 103.77 | |
| | Cost of each | | | | 959.96 | |
| | labour cess @1% | | | | 9.60 | |
| | Say | | | | **969.60** | |
| **19.19.2.2** | **Circular shape 500 mm internal diameter.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7134 | Circular shape 500 mm dia precast R.C.C. manhole cover with frame -M.D.-10 | each | 1.00 | 651.51 | 651.51 | |
| 9999 | Carriage of manhole cover | L.S. | 6.76 | 1.80 | 12.17 | |
| | Cement concrete 1:2:4 ( 1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) | | | | | |
| | $3.14/4x(0.95)^2x0.15$ = 0.1064 cum | | | | | |
| | Less cover wjth frame | | | | | |
| | $3.14/4x(0.8)^2x0.15$ = (-) 0.0754 cum | | | | | |
| | = 0.031 cum Say 0.03 cum | | | | | |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work | cum | 0.03 | 4110.28 | 123.31 | A |
| 9999 | Sundries | L.S. | 16.64 | 1.80 | 29.95 | |
| | TOTAL | | | | 816.93 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 6.94 | |
| | TOTAL | | | | 823.87 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 98.43 | |
| | TOTAL | | | | 922.30 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 119.85 | |
| | Cost of each | | | | 1042.15 | |
| | labour cess @1% | | | | 10.42 | |
| | Say | | | | **1052.60** | |
| **19.19.3** | **HD - 20.** | | | | | |
| **19.19.3.1** | **Circular shape 560 mm internal diameter.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7135 | Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20 | each | 1.00 | 558.43 | 558.43 | |
| 9999 | Carriage of manhole cover | L.S. | 13.52 | 1.80 | 24.34 | |
| | Cement concrete 1:2:4 ( 1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) | | | | | |
| | $3.14/4x(1.05)^2x0.15$ = 0.1299 cum | | | | | |
| | Less cover with frame | | | | | |
| | $3.14/4x(0.9)^2x0.15$ = (-) 0.0955 cum | | | | | |
| | = 0.0344 cum Say 0.03 cum | | | | | |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work | cum | 0.03 | 4110.28 | 123.31 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Sundries | L.S. | 20.28 | 1.80 | 36.50 | |
| | TOTAL | | | | 742.58 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 6.19 | |
| | TOTAL | | | | 748.78 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 87.88 | |
| | TOTAL | | | | 836.65 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 107.00 | |
| | Cost of each | | | | 943.65 | |
| | labour cess @1% | | | | 9.44 | |
| | Say | | | | **953.10** | |
| **19.19.4** | **EHD - 35.** | | | | | |
| **19.19.4.1** | **Circular shape 560 mm internal dia.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7136 | Circular shape 560 mm dia precast R.C.C. manhole cover with frame - E.H.D. - 35 | each | 1 | 856.27 | 856.27 | |
| 9999 | Carriage of manhole cover | L.S. | 13.52 | 1.8 | 24.34 | |
| | Cement concrete 1:2:4 ( 1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) | | | | | |
| | 3.14/4x(1.05)²x0.15 = 0.1299 cum | | | | | |
| | Less cover with frame | | | | | |
| | 3.14/4x(0.9)²x0.15 = (-) 0.0955 cum | | | | | |
| | = 0.0344 cum Say 0.03 cum | | | | | |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work | cum | 0.03 | 4110.278 | 123.31 | A |
| **9999** | **Sundries** | **L.S.** | **20.28** | **1.8** | **36.50** | |
| | TOTAL | | | | 1040.41 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 9.1710553 | |
| | TOTAL | | | | 1049.58 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 130.14 | |
| | TOTAL | | | | 1179.73 | (Y) |
| | Add CPOH @ 15% on "Y"except on A i.e on | | | | 158.46 | |
| | Cost of each | | | | 1338.19 | |
| | labour cess @1% | | | | 13.38 | |
| | Say | | | | **1351.60** | |
| **19.20** | **Supplying and fixing C.I. cover 300x300 mm without frame for gully trap (standard pattern) the weight of cover to be not less than 4.5 kg.** | | | | | |
| | Details of cost for 1 cover. | | | | | |
| | MATERIAL: | | | | | |
| 1353 | C.I.cover without frame 300x300 mm inside i/c cover of 4.50 kg | each | 1 | 209.41 | 209.41 | |
| 9999 | Carriage of cover | L.S. | 2.7 | 1.8 | 4.86 | |
| | LABOUR: | | | | | |
| 114 | Beldar | day | 0.03 | 254.00 | 7.62 | |
| | TOTAL | | | | 221.89 | |
| | Add Water Charges @ 1% | | | | 2.22 | |
| | TOTAL | | | | 224.11 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 31.49 |
| | TOTAL | | | | 255.60 (Y) |
| | Add CPOH @ 15% on "Y" i.e on | | | | 38.34 |
| | Cost of each | | | | 293.94 |
| | labour cess @1% | | | | 2.94 |
| | Say | | | | **296.90** |
| **19.21** | **Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement and making necessary channels for the drain etc. complete.** | | | | |
| **19.21.1** | **For pipes 100 to 250 mm diameter.** | | | | |
| | Details of cost for one connection | | | | |
| | MATERIAL: | | | | |
| | Cement concrete 1:2:4 mix ( 1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) | | | | |
| | = 0.30x0.30x0.23 m = 0.0207 cum | | | | |
| | Less pipe: | | | | |
| | 1/2x3.14x0.23x0.23x0.23 = 0.0096 cum | | | | |
| | = 0.0111 cum Say 0.01 cum | | | | |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work | cum | 0.01 | 4110.278 | 41.10 A |
| | 12 mm cement plaster 1:3 ( 1 cement: 3 coarse sand ) finished with a floating coat of neat cement 2x0.35x0.35=0.25 sqm | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 0.25 | 188.90 | 47.23 A |
| | LABOUR: | | | | |
| | (For cutting holes average size 30x30 cm in 23 cm thick wall and making channel etc.) | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.12 | 342.00 | 41.04 |
| 124 | Mason (brick layer) 2nd class | day | 0.12 | 305.00 | 36.60 |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 |
| 9999 | Add for delay sundries etc | L.S. | 20.15 | 1.8 | 36.27 |
| | TOTAL | | | | 265.74 |
| | Add Water Charges @ 1% except on A i.e on | | | | 1.77 |
| | TOTAL | | | | 267.51 (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 25.18 |
| | TOTAL | | | | 292.69 (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 30.65 |
| | Cost of each | | | | 323.34 |
| | labour cess @1% | | | | 3.23 |
| | Say | | | | **326.60** |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **19.21.2** | **For pipes 250 to 300 mm diameter.** | | | | | |
| | Details of cost for one connection. | | | | | |
| | MATERIAL: | | | | | |
| | Cement concrete 1:2:4 mix ( 1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) | | | | | |
| | = 0.35x0.35x0.30 m = 0.037 cum | | | | | |
| | Less pipe: | | | | | |
| | 1/2x3.14x0.30x0.30x0.30 = 0.021 cum | | | | | |
| | = 0.016 cum Say 0.02 cum | | | | | |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work | cum | 0.02 | 4110.278 | 82.21 | A |
| | 12 mm cement plater 1:3(1 cement: 3 coarse sand ) finished with a floating coat of neat cement | | | | | |
| | 2x0.40x0.40 =0.32 sqm | | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 0.32 | 188.90 | 60.45 | A |
| | LABOUR: | | | | | |
| | (For cutting holes average size 30x30 cm in 23 cm thick wall and making channel etc.) | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.12 | 342.00 | 41.04 | |
| 124 | Mason (brick layer) 2nd class | day | 0.12 | 305.00 | 36.60 | |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 | |
| 9999 | Add for delay sundries etc | L.S. | 20.67 | 1.8 | 37.21 | |
| | TOTAL | | | | 321.00 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 1.78 | |
| | TOTAL | | | | 322.78 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 25.31 | |
| | TOTAL | | | | 348.09 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 30.82 | |
| | Cost of each | | | | 378.91 | |
| | labour cess @1% | | | | 3.79 | |
| | Say | | | | **382.70** | |
| **19.21.3** | **For pipes 350 to 450 mm diameter.** | | | | | |
| | Details of cost for one connection. | | | | | |
| | MATERIAL: | | | | | |
| | Cement concrete 1:2:4 mix ( 1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) | | | | | |
| | = 0.50x0.50x0.30 m = 0.075 cum | | | | | |
| | Less pipe: | | | | | |
| | 1/2x3.14x0.45x0.45x0.30 = 0.048 cum | | | | | |
| | = 0.027 cum Say 0.03 cum | | | | | |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work | cum | 0.03 | 4110.278 | 123.31 | A |
| | 12 mm cement plater 1:3(1 cement: 3 coarse sand ) finished with a floating coat of neat cement | | | | | |
| | 2x0.55x0.55 =0.605 sqm Say 0.60 sqm | | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 0.6 | 188.90 | 113.34 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | LABOUR: | | | | | |
| | (For cutting holes average size 30x30 cm in 23 cm thick wall and making channel etc.) | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.16 | 342.00 | 54.72 | |
| 124 | Mason (brick layer) 2nd class | day | 0.16 | 305.00 | 48.80 | |
| 114 | Beldar | day | 0.33 | 254.00 | 83.82 | |
| 9999 | Add for delay sundries etc | L.S. | 26.91 | 1.8 | 48.44 | |
| | TOTAL | | | | 472.43 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 2.36 | |
| | TOTAL | | | | 474.78 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 33.46 | |
| | TOTAL | | | | 508.24 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 40.74 | |
| | Cost of each | | | | 548.98 | |
| | labour cess @1% | | | | 5.49 | |
| | Say | | | | **554.50** | |
| **19.22** | **Providing sand cast iron drop connection externally for 60 cm drop from branch sewer line to main sewer manhole including inspection and cleaning eye with chain and lid, sand cast iron drop pipe and bend encased all-round with cement concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) with all centering and shuttering required, cutting holes in walls and making good with brick work in cement mortar 1:4 (1 cement : 4 coarse sand) plastered with cement mortar 1:3 (1 cement : 3 coarse sand) on inside of the manhole wall,lead caulked joints between sand cast iron pipes and fittings, stiff cement mortar 1:1 (1 cement : 1 fine sand) joints between sand cast iron tee and S.W. pipe, making required channels complete as per standard design and specifications.** | | | | | |
| **19.22.1** | **100 mm dia sand cast iron drop connection.** | | | | | |
| | Details of cost for one drop connection. | | | | | |
| | MATERIAL: | | | | | |
| 1617 | S.C. I. soil, waste and vent single socketed pipe 1.80 metres long: 100 mm dia<br>= 38+30+33 =101 cm say 1 metre<br>1 / 1.80 = 0.55556 Nos.<br>Length of pipe = 1m. Hence, Qty = 1 / 1.8 = 0.55556 | each | 0.56 | 1070.33 | 594.63 | |
| 9999 | Carriage of pipe | L.S. | 1.43 | 1.8 | 2.57 | |
| | Cutting charges | | | | | |
| 18.83.2 | Rate as per Item Number 18.83.2 of SH: Water supply | each cut | 3 | 70.31 | 210.92 | A |
| 1336 | Clearing eye with chain and lid 100 mm dia | each | 1 | 47.23 | 47.23 | |
| 1621 | S.C.I. plain bend 100 mm dia | each | 1 | 325.75 | 325.75 | |
| 1628 | S.C.I. plain single equal junctions 100x 100x100 mm dia | each | 1 | 418.83 | 418.83 | |
| | Brick work in cement mortar 1:4(1 cement: 4 coarse sand)<br>0.20x0.20x0.23 = 0.009 cum<br>Less pipe:<br>1/2x3.14x0.10x0.10x0.23 = 0.002 cum<br>Net Qty = 0.007 cum | | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work | cum | 0.007 | 4987.334 | 34.91 | A |
| | Cement concrete 1:5:10 (1 cement: 5 fine | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | sand : 10 graded stone aggregate 40 mm nominal size)<br>0.40x0.45x1.05 m = 0.189 cum<br>0.40x0.25x0.40 = 0.040 cum<br>Total = 0.229 cum<br>Less pipe portion<br>1/2x3.14x0.10x0.10x1.50 = 0.012 cum<br>Toothing portion<br>2x0.40x0.05x0.10 m = 0.004 cum<br>= 0.016 cum<br>Net Qty = 0.229-0.016 = 0.213 cum Say 0.21<br>cum | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work | cum | 0.21 | 2 621.63 | 550.54 | A |
| | 12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement<br>1x0.25x0.25 m = 0.0625-S.ay 0.06 sqm | | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 0.06 | 188.90 | 11.33 | A |
| | Providing lead caulked joints to 100 mm diameter pipe and special | | | | | |
| 12.73.2 | Rate as per Item Number 12.39.1 of SH: Roofing | each | 4 | 209.43 | 837.72 | A |
| 9999 | Providing joint to S.W. pipe with cement mortar 1:1 | L.S. | 26.91 | 1.8 | 48.44 | |
| | Form work<br>1.30x1.05 m= 1.36 sqm | | | | | |
| 5.9.2 | Rate as per Item Number 5.9.2 of SH: Reinforced cement concrete work | sqm | 1.36 | 318.15 | 432.69 | A |
| 9999 | Sundries includingcarriage of bends etc | L.S. | 26.91 | 1.8 | 48.44 | |
| | LABOUR:<br>For cutting holes 5 cm deep in alternate course of brick work benching and channel | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.7 | 342.00 | 239.40 | |
| 124 | Mason (brick layer) 2nd class | day | 0.7 | 305.00 | 213.50 | |
| 114 | Beldar | day | 2.7 | 254.00 | 685.80 | |
| | TOTAL A | | | | 2078.12 | |
| | TOTAL | | | | 4702.71 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 26.245923 | |
| | TOTAL | | | | 4728.96 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 372.44 | |
| | TOTAL | | | | 5101.40 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 453.49215 | |
| | Cost of each | | | | 5554.89 | |
| | labour cess @1% | | | | 55.55 | |
| | Say | | | | **5610.40** | |
| **19.22.2** | **150 mm dia sand cast iron drop connection.** | | | | | |
| | Details of cost for one drop connection.<br>MATERIAL: | | | | | |
| 1618 | S.C.I. soil, waste and vent single socketed pipe1.80 metres long: 150 mm dia | each | 0.56 | 1628.77 | 904.88 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | = 34.5+30+37 =101.5cm say 1.00m<br>Length of pipe = 1m. Hence, Qty = 1 / 1.8 = 0.55556 | | | | | |
| 9999 | Carriage of pipe | L.S. | 1.82 | 1.8 | 3.28 | |
| | Cutting charges | | | | | |
| 18.83.4 | Rate as per Item Number 18.83.4 of SH: each Water supply | cut | 3 | 132.33 | 396.99 | A |
| 1337 | Clearing eye with chain and lid 150 mm dia | each | 1 | 46.54 | 46.54 | |
| 1622 | S.C.I. plain bend 150 mm dia | each | 1 | 372.29 | 372.29 | |
| 7087 | S.C.I. Tee 150 mm | each | 1 | 558.43 | 558.43 | |
| | Brick work in cement mortar 1:4(1 cement: 4 coarse sand)<br>0.20x0.20x0.23 = 0.009 cum<br>Less pipe:<br>1/2x3.14x0.15x0.15x0.23 = 0.004 cum<br>Net Qty = 0.005 cum | | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work | cum | 0.005 | 4987.334 | 24.94 | A |
| | Cement concrete 1:5:10 (1 cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size)<br>0.45x0.50x1.15 m = 0.259 cum<br>0.45x0.25x0.45 = 0.0510 cum<br>= 0.310 cum<br>Less pipe portion<br>1/4x3.14x0.15x0.15x1.50 = 0.027 cum<br>Toothing portion<br>3x0.45x0.05x0.10 m = 0.004 cum<br>= 0.031 cum<br>Net Qty = 0.310-0.031 = 0.279 cum Say 0.28 cum | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work | cum | 0.28 | 2 621.63 | 734.06 | A |
| | 12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement 1x0.25x0.25m = 0.0625 Say 0.06 sqm | | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 0.06 | 188.90 | 11.33 | A |
| | Providing lead caulked joints to 150 mm diameter pipe and special | | | | | |
| 12.39.2 | Rate as per Item Number 12.39.2 of SH: Roofing | each | 4 | 209.43 | 837.72 | A |
| 9999 | Providing joint to S.W. pipe with cement mortar 1:1 (1 cement: 1 fine sand)<br>Form work<br>1.450x1.15 m= 1.67 sqm | L.S. | 39.91 | 1.8 | 71.84 | |
| 5.9.2 | Rate as per Item Number 5.9.2 of SH: Reinforced cement concrete work | sqm | 1.67 | 318.15 | 531.32 | A |
| 9999 | Sundries includingcarriage of bends etc<br>LABOUR:<br>For cutting holes 45 holes 5 cm deep toothing in alternate course of brick work benching and making channel | L.S. | 34.06 | 1.8 | 61.31 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 123 | Mason (brick layer) 1 st class | day | 0.85 | 342.00 | 290.70 | |
| 124 | Mason (brick layer) 2nd class | day | 0.85 | 305.00 | 259.25 | |
| 114 | Beldar | day | 3.5 | 254.00 | 889.00 | |
| | TOTAL A | | | | 2536.35 | |
| | TOTAL | | | | 5993.86 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 34.575088 | |
| | TOTAL | | | | 6028.44 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 490.64 | |
| | TOTAL | | | | 6519.08 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 597.40825 | |
| | Cost of each | | | | 7116.48 | |
| | labour cess @1% | | | | 71.16 | |
| | Say | | | | **7187.60** | |
| **19.23** | **Extra for depths beyond 60 cm of sand cast iron drop connection complete.** | | | | | |
| **19.23.1** | **For 100 mm dia sand cast iron drop connection.** | | | | | |
| | Details of cost for one metre. | | | | | |
| | MATERIAL: | | | | | |
| 1617 | S.C. I. soil, waste and vent single socketed pipe 1.80 metres long: 100 mm dia<br>Length of pipe = 1m. Hence, Qty = 1 / 1.8 = 0.55556 | each | 0.56 | 1070.33 | 594.63 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.39 | 1.8 | 24.10 | |
| | Cement concrete 1:5:10 (1 cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size)<br>0.40x0.45x1.00 mm = 0.18 cum<br>Less pipe portion<br>1/2x3.14x0.10x0.10x1.00 = 0.008 cum<br>Toothing portion<br>5x0.40x0.05x0.10 m = 0.010 cum<br>Total = 0.018 cum<br>Net qty = 0.18-0.018 = 0.162 cum<br>Say 0.16 cum | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work | cum | 0.16 | 2 621.63 | 419.46 | A |
| | Form work<br>1.30x1.00 m= 1.30 sqm | | | | | |
| 5.9.2 | Rate as per Item Number 5.9.2 of SH: Reinforced cement concrete work | sqm | 1.3 | 318.15 | 413.60 | A |
| 9999 | Sundries | L.S. | 7.15 | 1.8 | 12.87 | |
| | LABOUR: | | | | | |
| | For cutting holes 5 cm deep in alternate course of brick work | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.04 | 342.00 | 13.68 | |
| 124 | Mason (brick layer) 2nd class | day | 0.04 | 305.00 | 12.20 | |
| 114 | Beldar | day | 0.04 | 254.00 | 10.16 | |
| | TOTAL | | | | 1500.71 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 6.68 | |
| | TOTAL | | | | 1507.38 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 94.74 | |
| | TOTAL | | | | 1602.13 | (Y) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 115.36 | |
| | Cost of 1 metre | | | | 1717.49 | |
| | labour cess @1% | | | | 17.17 | |
| | Say | | | | **1734.70** | |
| **19.23.2** | **For 150 mm dia sand cast iron drop connection.** | | | | | |
| | Details of cost for one metre. | | | | | |
| | MATERIAL: | | | | | |
| 1618 | S.C.I. soil, waste and vent single socketed pipe1.80 metres long: 150 mm dia<br>Length of pipe = 1m. Hence, Qty = 1 / 1.8 = 0.55556 | each | 0.55556 | 1628.77 | 904.88 | |
| 9999 | Carriage of materials and fixing charges | L.S. | 13.39 | 1.8 | 24.10 | |
| | Cement concrete 1:5:10 (1 cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size)<br>0.45x0.50x1.00 mm = 0.225 cum<br>Less pipe portion<br>1/2x3.14x0.15x0.15x1.00 = 0.018 cum<br>Toothing portion<br>5x0.45x0.05x0.10 m = 0.011 cum<br>= 0.029 cum<br>Net 0.225-0.029 = 0.196 cum Say 0.20 cum | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work | cum | 0.2 | 26 21.63 | 524.33 | A |
| | Form work<br>1.45x1.00 m= 1.45 sqm | | | | | |
| 5.9.2 | Rate as per Item Number 5.9.2 of SH: Reinforced cement concrete work | sqm | 1.45 | 318.15 | 461.32 | A |
| 9999 | Sundries | L.S. | 8.09 | 1.8 | 14.56 | |
| | LABOUR: | | | | | |
| | For cutting 5 cm deep in alternate course of brick work | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.05 | 342.00 | 17.10 | |
| 124 | Mason (brick layer) 2nd class | day | 0.05 | 305.00 | 15.25 | |
| 114 | Beldar | day | 0.05 | 254.00 | 12.70 | |
| | TOTAL | | | | 1974.24 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 9.8859122 | |
| | TOTAL | | | | 1984.13 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 140.29 | |
| | TOTAL | | | | 2124.41 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 170.81 | |
| | Cost of 1 metre | | | | 2295.23 | |
| | labour cess @1% | | | | 22.95 | |
| | Say | | | | **2318.20** | |
| **19.24** | **Dismantling of manhole including R.C.C. top slab, C.I. cover with frame, including stacking of useful materials near the site and disposal of unserviceable materials into municipal dumps within 50 m lead.** | | | | | |
| **19.24.1** | **Rectangular manhole 90x80 cm and 45 cm deep.** | | | | | |
| | Details of cost for a manhole 90x80cm and | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 45cm deep.<br>Dismantling of cement concrete 1:4:8 (1 cement: 4 coarse sand 8 : aggregate stone 40 mm nominal size)<br>1.51x1.41x0.20 m = 0.426 cum Say ]<br>0.43 cum | | | | | |
| 15.2.2 | Rate as per Item Number 15.2.2 of SH: Dismantling and demolishing<br>Dismantling of second class brick work in Cement mortar 1:4 (1cement : 4 coarse sand) 4.32x0.23x0.35 m =0.348 cum<br>Less for pipe<br>2x3.14x(0.15m)² x0.23m = (-) 0.008 cum<br>Net qty = 0.340 cum | cum | 0.43 | 493.82 | 212.34 | A |
| 15.7.4 | Rate as per Item Number 15.7.4 of SH: Dismantling and demolishing<br>Dismantling cement concrete 1:2:4 ( 1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>For benching<br>2x0.90x(0.80/2) x (0.30+0.20)/2 = 0.18 cum<br>Less for pipe<br>1x0.90x3.14/4x(0.15m)² = (-)0.02 cum<br>Net qty = 0.16 cum | cum | 0.34 | 678.32 | 230.63 | |
| 15.2.1 | Rate as per Item Number 15.2.1 of SH: Dismantling and demolishing<br>Dismantling of R.C.C slab of 1:2:4 (1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size)<br>For slab :<br>1.36x1.26x0.15m = 0.257 cum<br>Less for cover<br>0.61x0.455x0.15m = (-) 0.042 cum<br>Net qty = 0.215 cum Say 0.22 cum | cum | 0.16 | 799.21 | 127.87 | |
| 15.3 | Rate as per Item Number 15.3 of SH: Dismantling<br>and demolishing | cum | 0.22 | 1161.14 | 255.45 | |
| 9999 | Removal of C.I. cover with frame | L.S. | 7.15 | 1.8 | 12.87 | |
| | TOTAL | | | | 839.17 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 6.27 | |
| | TOTAL | | | | 845.43 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 88.95 | |
| | TOTAL | | | | 934.38 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 108.31 | |
| | Cost of each | | | | 1042.69 | |
| | labour cess @1% | | | | 10.43 | |
| | Say | | | | **1053.10** | |
| **19.24.2** | **Rectangular manhole 120x90 cm and 90 cm deep.**<br>Details of cost for a manhole 120x90cm and 90cm deep.<br>Dismantling of cement concrete 1:4:8 (1 cement: 4 coarse sand 8 : aggregate | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | stone 40 mm nominal size)<br>1.81x1.51x0 20 m = 0.547 cum Say<br>0.55 cum | | | | | |
| 15.2.2 | Rate as per Item Number 15.2.2 of SH: Dismantling and demolishing<br>Dismantling of second class brick work in cement mortar 1 :4 (1 cement : 4 coarse sand) 5.12x0.23x0.30m = 0.942 cum<br>Less for pipe<br>2x3.14x(0.15m)²x0.23 m = (-) 0.008 cum<br>Net qty = 0.934 cum Say 0.93 cum | cum | 0.55 | 493.82 | 271.60 | (A) |
| 15.7.4 | Rate as per Item Number 15.7.4 of SH: Dismantling and demolishing<br>Dismantling cement concrete 1:2:4 ( 1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>2x1.20x0.90x(0.80/2) x (0.30+0.20)/2 = 0.270 cum<br>Less for pipe<br>1.20x3.14/4x(0.15m)² = (-) 0.021 cum<br>Net qty = 0.249 say 0.25 cum | cum | 0.93 | 678.32 | 630.84 | |
| 15.2.1 | Rate as per Item Number 15.2.1 of SH: Dismantling and demolishing<br>Dismantling of R.C.C slab of 1:2:4 (1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size)<br>For slab :<br>1.66x 1.36x0.15m = 0.339 cum<br>Less for cover<br>0.7854x(0.50)²(0.15m) = (-) 0.029 cum<br>Net qty = 0.31 cum | cum | 0.25 | 799.21 | 199.80 | |
| 15.3 | Rate as per Item Number 15.3 of SH: Dismantling<br>and demolishing | cum | 0.31 | 1161. 14 | 359.95 | |
| 9999 | Removal of C.I. cover with frame | L.S. | 7.15 | 1.8 | 12.87 | |
| | TOTAL | | | | 1475.06 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 12.03 | |
| | TOTAL | | | | 1487.10 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 170.78 | |
| | TOTAL | | | | 1657.88 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 207.94 | |
| | Cost of each | | | | 1865.82 | |
| | labour cess @1% | | | | 18.66 | |
| | Say | | | | **1884.50** | |
| **19.24.3** | **Rectangular arch type manhole 140x90 cm and 2.45 m deep.**<br>Details of cost for a manhole 140x90cm and 2.45m deep.<br>Dismantling of cement concrete 1:4:8 (1 cement: 4 coarse sand 8 : aggregate stone 40 mm nominal size)<br>2.16m x1.66m x 0.20m = 0.72 cum | | | | | |
| 15.2.2 | Rate as per Item Number 15.2.2 of SH: | cum | 0.72 | 493.82 | 355.55 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Dismantling and demolishing<br>Dismantling of second class brick work in cement mortar 1:4 (1 cement: 4 coarse sand) Brick work in item 5.52mx0.23mx 1.20m = 1.524 cum<br>3.92mx0.23mx1.15m= 1.037 cum<br>= 2.561 cum<br>Deduct arch ring and portion of pipe<br>2x½x3.14x0.25mx0.23x0.1m = 0.018 cum<br>2x3.14/4(0.15)²x0.23m = 0.008 cum<br>= (-) 0.026 cum Net qty = 2.561 - 0.026 = 2.535 cum Say 2.54 cum<br>Brick work in arch<br>½x3.14x1.13x0.80x0.23m = 0.327 cum<br>2x½x3.14x0.25mx0.23x0.1m = 0.018 cum<br>= 0.345 cum Say 0.35 cum<br>Net qty = 2.54+0.35 = 2.89 cum | | | | | |
| 15.7.4 | Rate as per Item Number 15.7.4 of SH:<br>Dismantling and demolishing<br>Dismantling cement concrete 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>2x1.4x0.90/2x(0.20+0.30)/2 = 0.315 cum<br>Less pipe 1.4x3.14/4x(0.15)² = (-) 0.025 cum Net qty = 0.290 cum | cum | 2.89 | 678.32 | 1960.35 | A |
| 15.2.1 | Rate as per Item Number 15.2.1 of SH:<br>Dismantling and demolishing<br>Dismantling of R.C.C slab of 1:2:4 (1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size)<br>1.36mx1.06mx0.15 = 0.216 cum<br>Less cover 3.14x(0.25)²x0.15 = (-) 0.029 cum = 0.187 cum Say 0.19 cum | cum | 0.29 | 799.21 | 231.77 | A |
| 15.3 | Rate as per Item Number 15.3 of SH:<br>Dismantling and demolishing | cum | 0.19 | 1161.14 | 220.62 | A |
| 9999 | Removal of C.I. cover with frame | L.S. | 7.15 | 1.8 | 12.87 | |
| 9999 | Removal of M.S.foot rest | L.S. | 8.06 | 1.8 | 14.51 | |
| | TOTAL A | | | | 2768.28 | |
| | TOTAL | | | | 2795.66 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.27 | |
| | TOTAL | | | | 2795.94 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 3.89 | |
| | TOTAL | | | | 2799.82 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 4.73 | |
| | Cost of each | | | | 2804.55 | |
| | labour cess @1% | | | | 28.05 | |
| | Say | | | | **2832.60** | |
| **19.24.4** | **Circular manhole 122 cm diameter and 1.68 m deep.**<br>Details of cost for a manhole 1.22m in internal diameter and 1.68m deep.<br>Dismantling of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 aggregate stone | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 40 mm nominal size)<br>1.98mx1.98mx0.30m=1.178cum say 1.18cum | | | | | |
| 15.2.1 | Rate as per Item Number 15.2.1 of SH: Dismantling and demolishing<br>Dismantling of second class brick work in cement mortar 1:4 (1 cement: 4 coarse sand) Curved on plan<br>3.14x1.45x0.24x0.23= 0.251<br>3.14x(1.45+0.79)/2x1.32x0.23 = 1.069<br>1.32<br>Deduct arch ring and portion of pipe<br>2x½x3.14x0.25mx0.23x0.10m = 0.018 cum 2x3.14/4(0.15)²x0.23m = 0.008 cum = 0.026 cum Net quantity 1.320 - 0.026 = 1.294 Say 1.29 cum<br>Brick work in arches<br>2x½x3.14x0.25mx0.230x0.10m = 0.018 cum say 0.02 cum<br>Total = 1.294+0.02 = 1.314 cum say 1.131 cum | cum | 1.18 | 799.21 | 943.07 | A |
| 15.7.4 | Rate as per Item Number 15.7.4 of SH: Dismantling and demolishing<br>Dismantling cement concrete 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>For benching<br>3.14/4x(1.22)²x0.20 = 0.234 cum<br>[(2x8.133)/360]x(4/3)x3.14x(0.61)³ = 0.043 cum = 0.277 cum<br>Less pipe:1.22x3.14/4x(0.15)²= (-)0.0216cum = 0.2554 cum say 0.26 cum<br>In cover fixing 0.7854x1.020x1.020x0.15m = 0.123 cum Less cover<br>3.14/4x(0.28)²x0.15m = (-)0.037 cum = 0.086 cum say 0.09 cum<br>Total = 0.26 + 0.09 = 0.35 cum | cum | 1.31 | 678.32 | 888.60 | A |
| 15.2.1 | Rate as per Item Number 15.2.1 of SH: Dismantling and demolishing | cum | 0.35 | 799.21 | 279.72 | A |
| 9999 | Removal of S.F.R.C cover with frame size 560mm diameter (medium duty) | L.S. | 7.15 | 1.8 | 12.87 | |
| 9999 | Removal of M.S.foot rests | L.S. | 8.06 | 1.8 | 14.51 | |
| | TOTAL A | | | | 2111.39 | |
| | TOTAL | | | | 2138.77 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.27378 | |
| | TOTAL | | | | 2139.04 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 3.89 | |
| | TOTAL | | | | 2142.93 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 4.73 | |
| | Cost of each | | | | 2147.66 | |
| | labour cess @1% | | | | 21.48 | |
| | Say | | | | **2169.10** | |
| **19.25** | **Extra for depth of manholes dismantled.** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **19.25.1** | **Rectangular manhole 90x80 cm and beyond 45 cm depth.** | | | | | |
| | Details of cost for one metre. | | | | | |
| | Dismantling of second class brick work in cement mortar 1:5 (1 Cement: 5 fine sand) | | | | | |
| | 4.32x0.23x1.0m = 0.994 cum Say 0.99 cum | | | | | |
| 15.7.4 | Rate as per Item Number 15.7.4 of SH: Dismantling and demolishing | cum | 0.99 | 678.32 | 671.54 | A |
| 9999 | Removing of M.S foot rests | L.S. | 1.82 | 1.8 | 3.28 | |
| | TOTAL | | | | 674.81 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.033 | |
| | TOTAL | | | | 674.85 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 0.46 | |
| | TOTAL | | | | 675.31 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 0.57 | |
| | Cost of 1 metre | | | | 675.88 | |
| | labour cess @1% | | | | 6.76 | |
| | Say | | | | **682.60** | |
| **19.25.2** | **Rectangular manhole 120x 90 cm and beyond 90 cm depth.** | | | | | |
| | Details of cost for one metre. | | | | | |
| | Dismantling of second class brick work in cement mortar 1:5 (1 Cement: 5 fine sand) | | | | | |
| | 5.12x0.23x1.0m = 1.178 cum Say 1.18 cum | | | | | |
| 15.7.4 | Rate as per Item Number 15.7.4 of SH: Dismantling and demolishing | cum | 1.18 | 678.32 | 800.42 | (A) |
| 9999 | Removing of M.S. foot rests | L.S. | 1.82 | 1.8 | 3.28 | |
| | TOTAL | | | | 803.69 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.033 | |
| | TOTAL | | | | 803.73 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 0.46 | |
| | TOTAL | | | | 804.19 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 0.57 | |
| | Cost of 1 metre | | | | 804.76 | |
| | labour cess @1% | | | | 8.05 | |
| | Say | | | | **812.80** | |
| **19.25.3** | **Rectangular arch type manhole 140x 90 cm and beyond 2.45 m depth (up to 4.25 m depth).** | | | | | |
| | Details of cost for dismantling one manhole 4.25m deep. | | | | | |
| | Dismantling IInd class brick work in cement mortar 1:4(1 Cement: 4 Coarse sand) for 2.45 depth | | | | | |
| | Qty for 2.45m depth 5.52x0.23x1.20=1.524 cum | | | | | |
| | 3.92mx0.23mxl.l5m= 1.037 cum | | | | | |
| | Total= 2.561 cum | | | | | |
| | Deduct arch ring and portion of pipe | | | | | |
| | 2x½ x3.14x0.25mx0.23x0.1 m = 0.018 cum | | | | | |
| | 2x3.14/4(0.15)²x0.23m = 0.008 cum | | | | | |
| | Total deduction= (-) 0.026 cum | | | | | |
| | Net 2.561 - 0.026 = 2.535 cum Say 2.54 cum | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Qty in arch<br>½ x3.14xl.l3x0.80x0.23m = 0.327 cum<br>2x½ x3.14x0.25mx0.23x0.1m = 0.018 cum<br>Total= 0.345 cum Say 0.35 cum<br>Total for 2.45 m depth 2.54 + 0.35 =<br>2.89 cum<br>Qty for 4.25m depth<br>5.52mx0.23mx1.20m= 1.524 cum<br>3.92mx0.23mx2.95m = 2.660 cum<br>Total= 4.184 cum<br>Deduct arch ring and portion of pipe<br>2x1/2x3.14x0.70mx0.23x0.1m = 0.051 cum<br>2x3.14/4x(0.60)² x 0.230 = 0.130 cum<br>Total deduction= (-) 0.181 cum<br>Net 4.184 - 0.181 = 4.003 cum Say<br>4.00 cum<br>Qty in arch<br>½ x3.14x1.13x0.80x0.23m = 0.327 cum<br>2x1/2x3.14x0.70mx0.23x0.1m = 0.051 cum<br>Total= 0.378 cum Say 0.38 cum<br>Total for 4.25 m depth =4.38 cum<br>Net difference = 4.38 - 2.89 = 1.49 cum | | | | | |
| 15.7.4 | Rate as per Item Number 15.7.4 of SH:<br>Dismantling and demolishing<br>Dismantling cement concrete 1:2:4 (1<br>Cement : 2 coarse sand : 4 graded stone<br>aggregate 40mm<br>nominal size)<br>Qty for 4.25m depth<br>2x1.4x(0.90/2)x(0.65+0.75)/2 = 0.882 cum<br>Less pipe :1.4x3.14/4x(0.60)² = (-) 0.396 cum<br>= 0.486 cum Say 0.49 cum<br>Qty for 2.45m depth<br>2x1.4x(0.90/2)x(0.20+0.30)/2 = 0.315 cum<br>Less pipe : 1.4x3.14/4x(0.15)² =(-)<br>0.025 cum<br>= 0.290 cum Say 0.29 cum<br>Net difference = 0.49 - 0.29 = 0.20 cum | cum | 1.49 | 678.32 | 1010.70 | A |
| 15.2.1 | Rate as per Item Number 15.2.1 of SH:<br>Dismantling and demolishing | cum | 0.2 | 799.21 | 159.84 | A |
| | TOTAL | | | | 1170.54 | |
| | Cost of 1.8 metre | | | | 1170.54 | |
| | Cost of 1 metre | | | | 650.30026 | |
| | labour cess @1% | | | | 6.50 | |
| | Say | | | | **656.80** | |
| **19.25.4** | **Circular manhole 122 cm diameter and beyond 1.68 m depth (up to 2.29 m depth).**<br>Details of cost for dismantling one manhole<br>2.29m deep.<br>Dismantling cement concrete 1:3:6(1<br>Cement : 3 coarse sand : 6 graded stone<br>aggregate 40mm nominal size)<br>1.98x1.98x0.30 = 1.178 cum. Say 1.18 cum | | | | | |
| 15.2.1 | Rate as per Item Number 15.2.1 of SH:<br>Dismantling and demolishing | cum | 1.18 | 799.21 | 943.07 | (A) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Dismantling IInd class brick work in cement mortar 1:4 (1 Cement: 4 Coarse sand)<br>Curved on plan<br>3.14x1.45x0.85x0.23=0.891<br>3.14x(1.45+0.79)/2x 1.32x0.23 = 1.069<br>1.96<br>Duduct arch ring and portion of pipe<br>2x1/2x3.14x0.25mx0.230x0.10 m = 0.018 cum 2x3.14/4x(0.15)²x0.230 = 0.008 cum<br>Total deduction = 0.026 cum ,<br>Net quantity 1.96-0.026 = 1.934 Say 1.93 cum Qty in arch<br>2x1/2x3.14x0.25 m x0.230x0.10 m = 0.018 cum Say 0.02 cum<br>Total =1.93+ 0.02= 1.97 cum | | | | |
| 15.7.4 | Rate as per Item Number 15.7.4 of SH: Dismantling and demolishing<br>Dismantling cemnet concrete 1:2:4 ( 1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominl size)<br>For benching:<br>3.14/4x(1.22)²x0.20 = 0.234 cum<br>[(2x8.133)/360]x(4/3)x3.14x(0.61)³ =0.043 cum = 0.277 cum<br>Less pipe :<br>1.22x3.14/4x(0.15)2(-) = 0.0216 cum<br>Net qty= 0.2554 cum Say 0.26 cum<br>For fixing cover :<br>3.14/4 xd² x thickness<br>0.7854x1.020² x 0.15 m =0.123 cum<br>Less cover<br>3.14/4x(0.28)²x 0.15 m : (-) = 0.037 cum<br>Net qty = 0.086 cum Say 0.09 cum<br>Total = 0.26 + 0.09 = 0.35 cum | cum | 1.97 | 678.32 | 1336.29 (A) |
| 15.2.1 | Rate as per Item Number 15.2.1 of SH: Dismantling and demolishing | cum | 0.35 | 799.21 | 279.72 (A) |
| 9999 | Removal of SFRC cover | L.S. | 7.15 | 1.80 | 12.87 |
| 9999 | Removal of M.S. foot rests | L.S. | 8.09 | 1.80 | 14.56 |
| | Deduct cost of dismantling manhole 1.68m deep | | | | |
| 19.24.4 | Rate as per Item Number 19.24.4 of SH: Drainage | each | -1.00 | 2147.66 | -2147.66 (A) |
| | TOTAL | | | | 438.86 |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.27 |
| | TOTAL | | | | 439.13 |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 3.85 |
| | TOTAL | | | | 442.99 |
| | Add CPOH @ 15% except on A i.e on | | | | 4.11 |
| | Cost of 0.61 metre | | | | 447.10 |
| | Cost of 1 metre | | | | 732.95 |
| | labour cess @1% | | | | 7.33 |
| | Say | | | | **740.30** |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **19.26** | **Raising manhole cover and frame slab to required level including dismantaling existing slab and making good the damage as required (Raising depth of manhole to be paid separately).** | | | | | |
| **19.26.1** | **Rectangular manhole 90x80 cm with rectangular cover 600x450 mm of grade LD - 2.5.** | | | | | |
| | Details of cost for one manhole.<br>Dismantling of R.C.C slab of 1:2:4 (1 cement: 2 coarse sand : 4 aggregate stone 20 mm nominal size) = 1.36x1.26x0.15 = 0.257 cum<br>Less cover with frame portion 0.85x0.70x0.15 =(-)0.089cum<br>Net qty = 0.168 cum say 0.17 cum | | | | | |
| 15.3 | Rate as per Item Number 15.3 of SH: Dismantling and demolishing | cum | 0.17 | 1161.14 | 197.39 | A |
| 9999 | Removal of R.C.C cover and frame | L.S. | 7.15 | 1.8 | 12.87 | |
| | R.C.C work 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>For raised slab<br>1.36x1.26x0.15 = 0.257 cum<br>Less portion cover with frame<br>= 0.85x0.70x0.15 =(-) 0.089 cum<br>Net qty= 0.168 cum Say 0.17 cum | | | | | |
| 5.3 | Rate as per Item Number 5.3 of SH: Reinforced cement concrete work | cum | 0.17 | 5258.175 | 893.89 | A |
| | Form work<br>= 0.90x0.80 = 0.72 sqm<br>Less cover:<br>0.60x0.45 =(-) 0.27 sqm<br>Net qty= 0.45 sqm | | | | | |
| 5.9.3 | Rate as per Item Number 5.9.3 of SH: Reinforced cement concrete work | sqm | 0.45 | 358.97 | 161.54 | |
| 9999 | Sundries | L.S. | 13.52 | 1.8 | 24.34 | |
| | TOTAL A | | | | 1252.82 | |
| | TOTAL | | | | 1290.03 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.37206 | |
| | TOTAL | | | | 1290.40 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 5.28 | |
| | TOTAL | | | | 1295.68 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 6.43 | |
| | Cost of each | | | | 1302.11 | |
| | labour cess @1% | | | | 13.02 | |
| | Say | | | | **1315.10** | |
| **19.26.2** | **Rectangular manhole 120x90 cm with circular cover 500 mm dia of grade MD - 10.** | | | | | |
| | Details of cost for one manhole. | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Dismantling of R.C.C slab of 1:2:4 (1 cement: 2 coarse sand : 4 aggregate stone 20mm nominal size)<br>1.66x1.16x0.15 =0.339<br>Less for RCC cover with frame<br>3.14/44x(0.80)2x0.15=(-)0.075 cum<br>Net qty 0.264 cum Say 0.26 cum | | | | | |
| 15.3 | Rate as per Item Number 15.3 of SH: Dismantling and demolishing | cum | 0.26 | 1161.14 | 301.90<br>0.00 | A |
| 9999 | Removal of R.C.C cover and frame | L.S. | 7.15 | 1.80 | 12.87 | |
| | R.C.C work 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>1.66x1.36x0.15 = 0.339 cum<br>Less portion cover with frame<br>= 3.14/4x0.80x0.80x0.15 =(-) 0.075 cum<br>Net qty= 0.264 cum Say 0.26 cum | | | | | |
| 5.3 | Rate as per Item Number 5.3 of SH: Reinforced cement concrete work<br>Form work = 1.2x0.90 = 1.08 sqm<br>Less cover = 3.14/4x(0.50)²=(-) 0.196 sqm<br>Net qty = 0.884 sqm Say 0.88 sqm | cum | 0.26 | 5258.18 | 1367.13 | A |
| 5.9.3 | Rate as per Item Number 5.9.3 of SH: Reinforced cement concrete work | sqm | 0.88 | 358.97 | 315.90<br>0.00 | A |
| 9999 | Sundries | L.S. | 16.64 | 1.80 | 29.95 | |
| | TOTAL A | | | | 1984.92 | |
| | TOTAL | | | | 2027.74 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.43 | |
| | TOTAL | | | | 2028.17 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 6.08 | |
| | TOTAL | | | | 2034.24 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 7.40 | |
| | Cost of each | | | | 2041.64 | |
| | labour cess @1% | | | | 20.42 | |
| | Say | | | | **2062.10** | |
| **19.26.3** | **Rectangular manhole 120x90 cm with circular cover 560 mm dia of grade HD - 20.** | | | | | |
| | Details of cost for one manhole.<br>Dismantling of R.C.C slab of 1:2:4 (1 cement: 2 coarse sand : 4 aggregate stone 20mm nominal size)<br>1.66x1.36x0.15 = 0.339 cum<br>Less for RCC cover with frame<br>3.14/4x(0.90)² x0.15 =(-) 0.095 cum<br>Net qty 0.244 cum Say 0.24 cum | | | | | |
| 15.3 | Rate as per Item Number 15.3 of SH: Dismantling and demolishing | cum | 0.24 | 1161.14 | 278.67 | A |
| 9999 | Removal of R.C.C cover and frame | L.S. | 7.15 | 1.8 | 12.87 | |
| | R.C.C work 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>1.66x1.36x0.15 = 0.339 cum<br>Less portion cover with frame | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | = 3.14/4x0.90² x0.15 =(-) 0.095 cum<br>Net qty = 0.244 cum Say 0.24 cum | | | | | |
| 5.3 | Rate as per Item Number 5.3 of SH:<br>Reinforced cement concrete work<br>Form work<br>1.2x0.90 = 1.08 sqm<br>Less cover = 3.14/4x(0.56)² =(-) 0.246 sqm<br>Net qty = 0.834 sqm Say 0.83 sqm | cum | 0.24 | 5258.175 | 1261.96 | A |
| 5.9.3 | Rate as per Item Number 5.9.3 of SH:<br>Reinforced cement concrete work | sqm | 0.83 | 358.97 | 297.95 | A |
| 9999 | Sundries | L.S. | 20.28 | 1.8 | 36.50 | |
| | TOTAL A | | | | 1838.58 | |
| | TOTAL | | | | 1887.96 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.49 | |
| | TOTAL | | | | 1888.45 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 7.01 | |
| | TOTAL | | | | 1895.46 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 8.53 | |
| | Cost of each | | | | 1903.99 | |
| | labour cess @1% | | | | 19.04 | |
| | Say | | | | **1923.00** | |
| **19.26.4** | **Circular manhole 140 cm dia with circular cover 600 mm dia of grade EHD - 35.**<br>Details of cost for one manhole.<br>Dismantling of C.C slab of 1:2:4 (1 cement: 2 coarse sand : 4 aggregate-stone 20 mm nominal size)<br>= 3.14/4x(0.985)²x0.15 = 0.114 cum<br>Less cover<br>3.14/4x(0.90)² x0.15 = (-) 0.095 cum<br>Net qty = 0.019 cum Say 0.02 cum | | | | | |
| 15.3 | Rate as per Item Number 15.3 of SH:<br>Dismantling and demolishing | cum | 0.02 | 1161.14 | 23.22 | (A) |
| 9999 | Removal of R.C.C cover and frame | L.S. | 8.06 | 1.8 | 14.51 | |
| | C.C work 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size )<br>3.14/4x(.985)²x0.15 = 0.114cum<br>Less portion cover with frame<br>= 3.14/4x0.90² x 0.15 =(-) 0.095 cum<br>Net qty = 0.019 cum Say 0.02 cum | | | | | |
| 4.2.3 | Rate as per Item Number 4.2.3 of SH:<br>Concrete work | cum | 0.02 | 5048.13 | 100.96 | (A) |
| 9999 | Sundries | L.S. | 20.28 | 1.8 | 36.50 | |
| | TOTAL | | | | 175.20 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.51 | |
| | TOTAL | | | | 175.71 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 7.24 | |
| | TOTAL | | | | 182.95 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 8.81 | |
| | Cost of each | | | | 191.76 | |
| | labour cess @1% | | | | 1.92 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Say | | | | **193.70** | |
| **19.27** | **Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design.** | | | | | |
| **19.27.1** | **With common burnt clay F.P.S.(non modular) b ricks of class designation 100A** | | | | | |
| | Details of cost for one chamber. | | | | | |
| | MATERIAL: | | | | | |
| | Cement concrete 1:5:10 (1 cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size) | | | | | |
| | 1.11x1.06x0.15=0.176 say 0.18cum | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work | cum | 0.18 | 2 621.63 | 471.89 | A |
| | Brick work in bricks of clas designation 75 in cement mortar 1:4(1 cement: 4 coarse sand) | | | | | |
| | 2.82 m x 0.23m x0.45 m = 0.29 cum | | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work | cum | 0.29 | 4987.33 | 1446.33 | A |
| | 12 mm cement plaster 1:3(1 cement: 3 coarse sand) finished with floating coat of neat cement Wall: 1.90x0.45 m = 0.855 sqm | | | | | |
| | Bed : 0.45x0.50 m = 0.225 sqm | | | | | |
| | Total= 1.080 sqm | | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 1.08 | 188.90 | 204.01 | A |
| | Cement concrete 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) | | | | | |
| | 2.82x0.23x0.15 m = 0.097 cum Say 0.10 cum | | | | | |
| 4.2.3 | Rate as per Item Number 4.2.3 of SH: Concrete work | cum | 0.10 | 5048.13 | 504.81 | A |
| | Form work | | | | | |
| | 3.50x0.15 m = 0.525 sqm Say 0.53 sqm | | | | | |
| 5.9.2 | Rate as per Item Number 5.9.2 of SH: Reinforced cement concrete work | sqm | 0.53 | 318.15 | 168.62 | A |
| 7380 | Precast R.C.C. grating with frame 500x 450 mm horizontal grating | each | 1.00 | 604.97 | 604.97 | |
| 9999 | Carriage of R.C.C. grating | L.S. | 7.15 | 1.80 | 12.87 | |
| 9999 | fixing of R.C.C. grating | L.S. | 5.33 | 1.80 | 9.59 | |
| | TOTAL A | | | | 2795.67 | |
| | | | | | 3423.10 | |
| | Add Water Charges @ 1% except on A i.e on TOTAL | | | | 6.27 | |
| | | | | | 3429.38 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 89.04 | |
| | TOTAL | | | | 3518.41 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on Cost of each | | | | 108.41 | |
| | | | | | 3626.83 | |
| | labour cess @1% | | | | 36.27 | |
| | Say | | | | **3663.10** | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **19.28** | **Constructing brick masonry road gully chamber 45x45x77.5 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) with pre-cast R.C.C. vertical grating complete as per standard design.** | | | | | |
| **19.28.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 100A**<br>Details of cost for one chamber.<br>Cement concrete 1:5:10 (1 cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size)<br>1.06mxl.1.06mx0.15 m= 0.17 cum | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work<br>Brick work in bricks of class designation 75 in cement mortar 1:4(1 cement: 4 coarse sand) 2.72 m x 0.23m x0.70 m = 0.438 cum<br>Deduct opening<br>0.45x0.23x0.10 m = 0.01 cum<br>Block<br>3x(0.075)3= 0.001 cum<br>Total deduction= 0.011 cum<br>Net qty = 0.438 (-) 0.011 = 0.427 cum<br>Say 0.43 cum | cum | 0.17 | 2 621.63 | 445.68 | A |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work<br>12 mm cement plaster 1:3 ( 1 cement: 3 coarse sand) finished with floating coat of neat cement<br>Wall: 1.80x0.70 m= 1.26 sqm<br>Bed : 0.45x0.45 m = 0.202 sqm<br>Top : 0.45x0.20 m = 0.09 sqm<br>Sides: 2x0.20x0.10 m = 0.04 sqm<br>Total= 1.592 sqm -<br>Deduct opening<br>0.45x0.10 m = 0.045 sqm<br>Net qty = 1.592 (-) 0.045 = 1.547 cum<br>Say 1.55 cum | cum | 0.43 | 4987.334 | 2144.55 | A |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing<br>Cement concrete 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>Block = 3X(0.75)$^3$= 0.001 cum | sqm | 1.55 | 188.90 | 292.80 | A |
| 4.2.3 | Rate as per Item Number 4.2.3 of SH: Concrete work<br>R.C.C. 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size). 0.91x0.91x0.075 m = 0.062 cum<br>Say 0.06 cum | cum | 0.001 | 5048.13 | 5.05 | A |
| 5.3 | Rate as per Item Number 5.3 of SH: Reinforced cement concrete work<br>Less labour for not lifting the materilas upto floor five level | cum | 0.06 | 5258.175 | 315.49 | A |
| 115 | Coolie<br>Form work | day | -0.113 | 194.00 | -21.92 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 0.45x0.45 m = 0.202 sqm<br>0.45x0.20 m = 0.09 sqm<br>outside slab : 3.40x0.075 m = 0.255 sqm<br>Total= 0.547 sqm Say 0.55 sqm | | | | | |
| 5.9.2 | Rate as per Item Number 5.9.2 of SH: Reinforced cement concrete work<br>Mild steel reinforcement for R.C.C work<br>0.062 cum @ 80 kg/cum = 4.96 kg | sqm | 0.55 | 318.15 | 174.98 | A |
| 5.22.1 | Rate as per Item Number 5.22.1 of SH: Reinforced cement concrete work | kilogram | 4.96 | 75.33 | 373.65 | A |
| 7381 | Precast R.C.C. grating with frame 450x 100 mm vertical grating | each | 1 | 228.03 | 228.03 | |
| 9999 | Fixing and carriage of R.C.C. grating | L.S. | 20.67 | 1.8 | 37.21 | |
| | Total A | | | | 3752.20 | |
| | TOTAL | | | | 3995.52 | |
| | Add Water Charges @ 1% except on A i.e on TOTAL | | | | 2.4331123<br>3997.95 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 34.53 | |
| | TOTAL | | | | 4032.48 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 42.04 | |
| | Cost of each | | | | 4074.52 | |
| | labour cess @1% | | | | 40.75 | |
| | Say | | | | **4115.30** | |
| **19.29** | **Constructing brick masonry road gully chamber 110x50x77.5 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame and vertical grating complete as per standard design.** | | | | | |
| **19.29.1** | **With common burnt clay F.P.S.(non modular) b ricks of class designation 100A** | | | | | |
| | Details of cost for one chamber.<br>Cement concrete 1:5:10 (1 cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size) 1.71mx1.71mx0.15m = 0.285 cum Say 0.29 cum | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work<br>Brick work in bricks of clas designation 75 in cement mortar 1:4(1 cement: 4 coarse sand)<br>1.91 m x 0.23m x0.45 m = 0.199 cum<br>2.20mx0.23mx0.70 m = 0.354 cum<br>Total= 0.553 cum<br>Deduct lintel portion<br>2x0.23x0.20x0.20 m = (-) 0.018 cum<br>Net qty= 0.0535 cum Say 0.54 cum | cum | 0.29 | 2621.63 | 760.27 | A |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work<br>12 mm cement plaster 1:3 ( 1 cement: 3 coarse sand) finished with floating coat of neat cement<br>Wall: 1.80x0.70 m = 1.26 sqm<br>Wall: 1.40x0.45 m = 0.63 sqm<br>Bed: 1.10x0.50 m = 0.55 sqm<br>Total= 2.44 sqm<br>Deduct 2x0.20x0.20 m = (-) 0.08 sqm | cum | 0.54 | 4987.334 | 2693.16 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Net qty= 2.36 sqm | | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing<br>Cement concrete 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size)<br>Block = 1.92x0.23x0.15 = 0.07 cum | sqm | 2.36 | 188.90 | 445.81 | A |
| 4.2.3 | Rate as per Item Number 4.2.3 of SH: Concrete work<br>R.C.C. 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>0.88x0.96x0.075 m = 0.063 cum Say 0.06 cum | cum | 0.07 | 5048.13 | 353.37 | A |
| 5.3 | Rate as per Item Number 5.3 of SH: Reinforced cement concrete work<br>Less labour for not lifting the materilas upto floor five level | cum | 0.06 | 5258.18 | 315.49 | A |
| 115 | Coolie<br>R.C.C. 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>in lintels 1x0.96x0.20x0.20 m = 0.04 cum | day | -0.113 | 194.00 | -21.92 | |
| 5.13 | Rate as per Item Number 5.13 of SH: Reinforced cement concrete work<br>Form work<br>Slab bottom 0.50x0.65 m = 0.325 sqm<br>Outer periphery 3.50x0.075 m = 0.263 sqm<br>2.20x0.15 m = 0.330 sqm<br>Total= 0.918 sqm Say 0.91 sqm | cum | 0.04 | 7801.987 | 312.08 | A |
| 5.9.2 | Rate as per Item Number 5.9.2 of SH: Reinforced cement concrete work<br>Mild steel reinforcement for R.C.C work (0.06+0.04) = 0.10 cum @ 80 kg/cum = 8.00kg | sqm | 0.91 | 318.15 | 289.52 | A |
| 5.22.1 | Rate as per Item Number 5.22.1 of SH: Reinforced cement concrete work | kilogram | 8 | 75.33 | 602.67 | A |
| 7380 | Precast R.C.C. grating with frame 500x 450 mm horizontal grating | each | 1 | 604.97 | 604.97 | |
| 9999 | Carriage of R.C.C. grating | L.S. | 7.15 | 1.8 | 12.87 | |
| 7381 | Precast R.C.C. grating with frame 450x 100 mm vertical grating | each | 1 | 228.0272 | 228.03 | |
| 9999 | Labour for fixing pre cast R.C.C. grating and frame | L.S. | 34.06 | 1.8 | 61.31 | |
| | TOTAL | | | | 6657.62 | |
| | Add Water Charges @ 1% except on A i.e on 907.18 | | | | 9.0717545 | |
| | TOTAL | | | | 6666.69 | |
| | Add CPOH @ 15% except on A i.e on | | | | 136.07632 | |
| | Cost of each | | | | 6802.77 | |
| | labour cess @1% | | | | 68.03 | |
| | Say | | | | **6870.80** | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **19.30** | **Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:2 :4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design.** | | | | | |
| **19.30.1** | **Inside dimensions 455x610 mm and 45 cm deep for single pipe line.** | | | | | |
| **19.30.1.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 100A** | | | | | |
| | Details of cost for one chamber.<br>Cement concrete 1:5:10 (1 cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size)<br>1.22mx1.065mx0.15m=0.195 cum Say 0.20 cum | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH:<br>Concrete work<br>Brick work in bricks of clas designation 75 in cement mortar 1:4(1 cement: 4 coarse sand)<br>3.05 m x 0.23m x0.30 m = 0.210 cum<br>Less pipe<br>$2x3.14/4x(0.10)^2x0.23$ m = (-) 0.004 cum<br>Net qty= 0.206 cum Say 0.21 cum | cum | 0.2 | 26 21.633 | 524.33 | A |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH:<br>Brick work<br>12 mm cement plaster 1:3 ( 1 cement: 3 coarse sand) finished with floating coat of neat cement<br>Wall: 2.13x0.30 m = 0.639 sq<br>Bed : 0.61x0.455 m = 0.278 sqm<br>Total= 0.917 sqm<br>Less pipe $2x3.14/4x(0.10)^2$= (-) 0.016 sqm<br>Net qty = 0.901 sqm Say 0.90 sqm | cum | 0.21 | 4987.334 | 1047.34 | A |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH:<br>Finishing<br>Cement concrete 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>3.05x0.23x0.15 = 0.105 cum say 0.11 cum | sqm | 0.9 | 188.90 | 170.01 | A |
| 4.2.3 | Rate as per Item Number 4.2.3 of SH:<br>Concrete work<br>Form work<br>Outer periphery 3.73x0.15 m = 0.56 sqm | cum | 0.11 | 5048.13 | 555.29 | A |
| 5.9.2 | Rate as per Item Number 5.9.2 of SH:<br>Reinforced cement concrete work | sqm | 0.56 | 318.15 | 178.17 | A |
| 1354 | Rectangular cover 455x610 mm with frame (low duty) | each | 1 | 1396.09 | 1396.09 | |
| 9999 | Carriage of C.I. cover and frame | L.S. | 7.15 | 1.8 | 12.87 | |
| 9999 | Painting of C.I.cover and frame with coal tar | L.S. | 7.15 | 1.8 | 12.87 | |
| 9999 | Sundries | L.S. | 13.52 | 1.8 | 24.34 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 3921.30 | |
| | Add Water Charges @ 1% except on A i.e on 1446.16 | | | | 14.461611 | |
| | TOTAL | | | | 3935.76 | |
| | Add CPOH @ 15% except on A i.e on | | | | 216.92417 | |
| | Cost of each | | | | 4152.69 | |
| | labour cess @1% | | | | 41.53 | |
| | Say | | | | **4194.20** | |
| **19.30.2** | **Inside dimensions 500x700 mm and 45 cm deep for pipe line with one or two inlets.** | | | | | |
| **19.30.2.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 100A** | | | | | |
| | Details of cost for one no.<br>Cement concrete 1:5:10 (1 cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size)<br>1.31mx1.11mx0.15 m= 0.22 cum | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work | cum | 0.22 | 2 621.633 | 576.76 | A |
| | Brick work in bricks of class designation 75 in cement mortar 1:4(1 cement: 4 coarse sand)<br>3.32 m x 0.23m x0.30 m = 0.229 cum<br>Less pipe<br>3x3.14x(0.10)²x0.23 m = (-) 0.005 cum<br>Net qty= 0.224 cum Say 0.22 cum | | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work | cum | 0.22 | 4987.334 | 1097.21 | A |
| | 12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement<br>Wall: 2.40x0.30 m = 0.72 sqm<br>Bed : 0.70x0.50 m = 0.35 sqm<br>= 1.07 sqm<br>Less pipe 3x3.14/4x(0.10)²= (-) 0.02 sqm<br>Net qty= 1.05 sqm | | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 1.05 | 188.90 | 198.35 | A |
| | R.C.C 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>1.16x0.96x0.15 = 0.167 cum<br>Deduct cover<br>0.61x0.45x0.15 m = (-) 0.042 cum<br>Net qty= 0.125 cum Say 0.13 cum | | | | | |
| 5.3 | Rate as per Item Number 5.3 of SH: Reinforced cement concrete work | cum | 0.13 | 5258.18 | 683.56 | A |
| | Less labour for not lifting the materilas upto floor five level | | | | | |
| 115 | Coolie | day | -0.24 | 265.00 | -63.60 | |
| | Form work<br>Inside area of chamber : 0.70x0.50 m = 0.35 sqm<br>Outer periphery 4.00x0.15 m = 0.60 sqm<br>= 0.95 sqm<br>Deduct cover : 0.61x0.455 m = (-) | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 0.278 sqm = 0.672 sqm Say 0.67 sqm | | | | | |
| 5.9.2 | Rate as per Item Number 5.9.2 of SH: Reinforced cement concrete work<br>M.S.reinforcement for slab<br>0.13 cum @ 48.06 kg/cum = 6.25 kg | sqm | 0.67 | 318.15 | 213.16 | A |
| 5.22.1 | Rate as per Item Number 5.22.1 of SH: Reinforced cement concrete work | kilogram | 6.25 | 75.33 | 470.83 | A |
| 1354 | Rectangular cover 455x610 mm with frame (low duty) | each | 1 | 1396.09 | 1396.09 | |
| 9999 | C.I. cover and frame | L.S. | 7.15 | 1.8 | 12.87 | |
| 9999 | Painting of C.I.cover and frame with coal tar | L.S. | 7.15 | 1.8 | 12.87 | |
| 9999 | Sundries | L.S. | 13.52 | 1.8 | 24.34 | |
| | TOTAL | | | | **4622.44** | |
| | Add Water Charges @ 1% except on A i.e on 1446.16 | | | | 14.461611 | |
| | TOTAL | | | | 4636.90 | |
| | Add CPOH @ 15% except on A i.e on | | | | 216.92417 | |
| | Cost of each | | | | 4853.83 | |
| | labour cess @1% | | | | 48.54 | |
| | Say | | | | **4902.40** | |
| **19.30.3** | **Inside dimensions 600x 850 mm and 45 cm deep for pipe line with three or more inlets.** | | | | | |
| **19.30.3.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 100A** | | | | | |
| | Details of cost for one chamber.<br>Cement concrete 1:5:10 (1 cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size)<br>1.46mxl.21mx0.15 m= 0.26 cum | | | | | |
| 4.1.11 | Rate as per Item Number 4.1.11 of SH: Concrete work<br>Brick work in bricks of class designation 75 in cement mortar 1:4(1 cement: 4 coarse sand)<br>3.82 m x 0.23m x0.30 m = 0.26 cum<br>Less pipe<br>5x3.14/4x(0.10)²x0.23 m = (-) 0.009 cum<br>Net qty= 0.251 cum Say 0.26 cum | cum | 0.26 | 2621.633 | 681.62 | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work<br>12 mm cement plaster 1:3 ( 1 cement: 3 coarse sand) finished with floating coat of neat cement<br>Wall: 2.90x0.30 m = 0.87 sqm<br>Bed : 0.85x0.60 m = 0.51 sqm<br>Total = 1.38 sqm<br>Less pipe 5x3.14/4x(0.10)²= (-) 0.04 sqm<br>Net qty = 1.34 sqm | cum | 0.26 | 4987.334 | 1296.71 | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing<br>R.C.C 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>1.31x1.06x0.15 = 0.208 cum<br>Deduct cover | sqm | 1.34 | 188.90 | 253.13 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 0.61x0.455x0.15 m = (-) 0.042 cum<br>Net qty= 0.166 cum Say 0.17 cum | | | | | |
| 5.3 | Rate as per Item Number 5.3 of SH: Reinforced<br>cement concrete work<br>Less labour for not lifting the materilas upto floor<br>five level | cum | 0.17 | 5258.18 | 893.89 | |
| 115 | Coolie | day | -0.32 | 265.00 | -84.80 | |
| | Form work<br>Inside area of chamber :<br>0.85x0.60 m = 0.511 sqm<br>Outer periphery<br>4.50x0.15 m = 0.675 sqm<br>Total = 1.186 sqm<br>Deduct cover : 0.61x0.455 m = (-)<br>0.278 sqm<br>Net qty= 0.908 sqm Say 0.91 sqm | | | | | |
| 5.9.2 | Rate as per Item Number 5.9.2 of SH: Reinforced cement concrete work<br>M.S.reinforcement for slab for 0.17 cum<br>@ 48.06 kg/cum<br>= 48.06x0.17cum = 8.17kg | sqm | 0.91 | 318.15 | 289.52 | |
| 5.22.1 | Rate as per Item Number 5.22.1 of SH: Reinforced cement concrete work | kilogram | 8.17 | 75.33 | 615.47 | |
| 1354 | Rectangular cover 455x610 mm with frame (low duty) | each | 1 | 1396.09 | 1396.09 | |
| 9999 | Carriage of C.I. cover and frame | L.S. | 7.15 | 1.8 | 12.87 | |
| 9999 | Painting of C.I.cover and frame with coal tar | L.S. | 7.15 | 1.8 | 12.87 | |
| 9999 | Sundries | L.S. | 13.52 | 1.8 | 24.34 | |
| | TOTAL | | | | **5391.70** | |
| | Add Water Charges @ 1% except on A i.e on 1446.16 | | | | 14.461611 | |
| | TOTAL | | | | 5406.16 | |
| | Add CPOH @ 15% except on A i.e on | | | | 216.92417 | |
| | Cost of each | | | | 5623.09 | |
| | labour cess @1% | | | | 56.23 | |
| | Say | | | | **5679.30** | |
| **19.31** | **Extra for depth beyond 45 cm of brick masonry chamber.** | | | | | |
| **19.31.1** | **For 455x610 mm size.** | | | | | |
| **19.31.1.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 7.5.** | | | | | |
| | Details of cost for one metre.<br>Brick work in bricks of clas designation<br>75 in cement mortar 1:4(1 cement: 4<br>coarse sand)<br>3.05 x 0.23m x 1.00m = 0.70 cum | | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work<br>12mm cement plaster1:3 (1 cement: 3<br>coarse sand finished with floating coat of neat cement<br>Wall: 2.13x1.00 m = 2.13 sqm | cum | 0.7 | 4987.334 | 3491.13 | A |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: | sqm | 2.13 | 188.90 | 402.36 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Finishing | | | | | |
| | TOTAL | | | | 3893.49 | |
| | Cost of 1 metre | | | | 3893.49 | |
| | labour cess @1% | | | | 38.93 | |
| | Say | | | | **3932.40** | |
| **19.31.2** | **For 500x700 mm size.** | | | | | |
| **19.31.2.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 7.5.** | | | | | |
| | Details of cost for one metre. | | | | | |
| | Brick work in bricks of clas designation 75 in cement mortar 1:4(1 cement: 4 coarse sand) | | | | | |
| | 3.32 x 0.23m x 1.00m = 0.76 cum | | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work | cum | 0.76 | 4987.334 | 3790.37 | |
| | 12mm cernem plaster1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement | | | | | |
| | Wall: 2.40x1.00 m = 2.40 sqm | | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 2.4 | 188.90 | 453.36 | |
| | TOTAL | | | | 4243.74 | |
| | Cost of 1 metre | | | | 4243.74 | |
| | labour cess @1% | | | | 42.44 | |
| | Say | | | | **4286.20** | |
| **19.31.3** | **For 600x850 mm size.** | | | | | |
| **19.31.3.1** | **With common burnt clay F.P.S.(non modular) bricks of class designation 7.5.** | | | | | |
| | Details of cost for one metre. | | | | | |
| | Brick work in bricks of clas designation 75 in cement mortar 1:4 ( 1 cement: 4 coarse sand) | | | | | |
| | 3.82 m x 0.23m xl.00 m = 0.88 cum | | | | | |
| 6.1.1 | Rate as per Item Number 6.1.1 of SH: Brick work | cum | 0.88 | 4987.334 | 4388.85 | |
| | 12 mm cement plaster 1:3(1 cement: 3 coarse sand finished with floating coat of neat cement Wall : 2.90x1.00 m = 2.90 sqm | | | | | |
| 13.9.1 | Rate as per Item Number 13.9.1 of SH: Finishing | sqm | 2.9 | 188.90 | 547.81 | |
| | TOTAL | | | | 4936.67 | |
| | Cost of 1 metre | | | | 4936.67 | |
| | labour cess @1% | | | | 49.37 | |
| | Say | | | | **4986.00** | |
| **19.32** | **Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.** | | | | | |
| **19.32.1** | **With common burnt clay F.P.S.(non modular) b ricks of class designation 100A** | | | | | |
| | Details of cost for one soak pit. | | | | | |
| | Earth work in excavation including disposal of surplus earth | | | | | |
| | 3.14/4x(2.5)²x3m = 14.73 cum | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 14.73 | 316.47 | 4661.58 | A |
| 2.26.1 | Rate as per Item Number 2.26.1 of SH: | cum | 7.37 | 40.59 | 299.14 | A |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Earth work<br>= 3.14/4x(2.5)2 x 1.5 m = 7.37 cum<br>2nd class bricks<br>perimetre = 4x0.35 =1.40 m<br>Area = 1.40x2.925 m = 4.1 sqm<br>Number of brick = 4.1 x487x0.066 =131.78<br>Wastage 10%= 13.718<br>Total= 144.96 Say 145 numbers | | | | | |
| 2602 | Common burnt clay F.P.S. (non modular) bricks class designation100A<br>Brickbats = 3.14/4x(1.2)²x2.925m =3.33 cum<br>Deduct = 0.45x0.45x2.925 m = 0.59 cum<br>Net qty= 2.74 cum | 1000 Nos | 1 45 | 5010.00 | 726.45 | |
| 362 | Brick bats<br>Brick aggregate 50 to 80 mm nominal size<br>= 3.14x1.50x0.03x2.925 m = 4.13 cum | cum | 2.74 | 1004.00 | 2750.96 | |
| 285 | Brick Aggregate (Single size) : 63 mm nominal size<br>Brick aggregate 40 mm nominal size<br>= 3.14x2.15x0.35x2.925 m =6.91 cum | cum | 4.13 | 1222.00 | 5046.86 | |
| 287 | Brick Aggregate (Single size) : 40 mm nominal size | cum | 6.91 | 1351 .00 | 9335.41 | |
| 1854 | Stoneware pipes grade A (60 cm long) 100 mm dia | each | 3 | 46.54 | 1 39.61 | |
| 2260 | Carriage of brick aggregate<br>(2.74+4.13+6.91) = 13.78 cum | cum | 13.78 | 0 | 0.00 | |
| 2201 | Carriage of bricks | 1000 Nos | 145 | 0 | 0.00 | |
| 9999 | Single matting 2.5x2.5m = 6.25sqm | L.S. | 112.14 | 1.8 | 201.85 | |
| | Precast R.C.C.slabs 7.5 cm thick in cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)<br>0.45x0.45x0.075 m = 0.02 cum | | | | | |
| 5.12 | Rate as per Item Number 5.12 of SH: Reinforced cement concrete work<br>Reinforcement @ 80 kg/cum =<br>0.02x80 =1.6 kg | cum | 0.02 | 5578.05 | 111.56 | A |
| 5.22.1 | Rate as per Item Number 5.22.1 of SH: Reinforced cement concrete work<br>2nd class brick edging laid length wise with half brick depth.<br>3.14x2.6 m =8.17 m | kilogram | 1.6 | 75.33 | 120.53 | A |
| 16.8.1 | Rate as per Item Number 16.8.1 of SH: Road work | metre | 8.17 | 36.35 | 296.98 | A |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.5 | 342.00 | 171.00 | |
| 124 | Mason (brick layer) 2nd class | day | 0.5 | 305.00 | 152.50 | |
| 114 | Beldar | day | 3 | 254.00 | 762.00 | |
| 115 | Coolie | day | 3 | 265.00 | 795.00 | |
| | TOTAL "A" | | | | 5489.79 | |
| | TOTAL | | | | 25571.43 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 200.81641 | |
| | TOTAL | | | | 25772.25 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 2849.69 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 28621.94 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 3469.82 | |
| | Cost of each | | | | 32091.76 | |
| | labour cess @1% | | | | 320.92 | |
| | Say | | | | **32412.70** | |
| **19.33** | **Constructing soak pit 1.20x1.20x1.20 m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.** | | | | | |
| | Details of cost for one soak pit. | | | | | |
| | Earth work in excavation including disposal of surplus earth | | | | | |
| | 1.2x1.2x1.2m = 1.73 cum | | | | | |
| 2.8.1 | Rate as per Item Number 2.8.1 of SH: Earth work | cum | 1.73 | 316.47 | 547.49 | A |
| 362 | Brick bats | cum | 1.73 | 1004.00 | 1736.92 | |
| | 1.2x1.2x1.2 = 1.73 cum | | | | | |
| 2260 | Carriage of brick aggregate | cum | 1.73 | 0 | 0.00 | |
| 16.8.1 | Rate as per Item Number 16.8.1 of SH: Road work | metre | 5.2 | 36.35 | 189.02 | |
| | Second class brick edging laid length wise with half brick depth | | | | | |
| 1854 | Stoneware pipes grade A (60 cm long) 100 mm dia | each | 2 | 46.54 | 93.07 | |
| 9999 | Sundries | L.S. | 25.84 | 1.8 | 46.51 | |
| | LABOUR: | | | | | |
| | For filling brick bats | | | | | |
| 114 | Beldar | day | 0.5 | 254.00 | 127.00 | |
| 9999 | Sundries | L.S. | 13.52 | 1.8 | 24.34 | |
| | TOTAL | | | | 2764.35 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 22.168603 | |
| | TOTAL | | | | 2786.52 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 314.58 | |
| | TOTAL | | | | 3101.10 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 383.04 | |
| | Cost of each | | | | 3484.15 | |
| | labour cess @1% | | | | 34.84 | |
| | Say | | | | **3519.00** | |
| **19.34** | **Providing and fixing S.W. intercepting trap in manholes wit h stiff mixture of cement mortar 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete.** | | | | | |
| **19.34.1** | **100 mm dia.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7128 | S.W. intercepting trap 100 mm dia | each | 1 | 176.84 | 176.84 | |
| 9999 | Carriage of trap | L.S. | 1.04 | 1.8 | 1.87 | |
| 367 | Portland Cement | tonne | 0.0013 | 5474.00 | 7.12 | |
| | for one joint | | | | | |
| 2209 | Carriage of cement | tonne | 0.0013 | 0 | 0.00 | |
| 983 | Fine sand (zone IV) | cum | 0.001 | 117.66 | 0.12 | |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.001 | 0 | 0.00 | |
| 1881 | Spun yarn or plain gaskin | kilogram | 0.09 | 46.54 | 4.19 | |
| | LABOUR: | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 123 | Mason (brick layer) 1 st class | day | 0.02 | 342 | 6.84 | |
| 124 | Mason (brick layer) 2nd class | day | 0.02 | 305.00 | 6.10 | |
| 114 | Beldar | day | 0.06 | 254.00 | 15.24 | |
| 101 | Bhisti | day | 0.02 | 277.00 | 5.54 | |
| | TOTAL | | | | 223.85 | |
| | Add Water Charges @ 1% | | | | 2.24 | |
| | TOTAL | | | | 226.09 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 31.77 | |
| | TOTAL | | | | 257.86 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 38.68 | |
| | Cost of each | | | | 296.53 | |
| | labour cess @1% | | | | 2.97 | |
| | Say | | | | **299.50** | |
| **19.34.2** | **150 mm dia.** | | | | | |
| | Details of cost for one no. | | | | | |
| | MATERIAL: | | | | | |
| 7129 | S.W. intercepting trap 150 mm dia | each | 1 | 232.68 | 232.68 | |
| 9999 | Carriage of trap | L.S. | 2.08 | 1.8 | 3.74 | |
| 367 | Portland Cement for one joint | tonne | 0.0019 | 5474.00 | 10.40 | |
| 2209 | Carriage of cement | tonne | 0.0019 | 0 | 0.00 | |
| 983 | Fine sand (zone IV) | cum | 0.0014 | 117.66 | 0.16 | |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.0014 | 0 | 0.00 | |
| 1881 | Spun yarn or plain gaskin | kilogram | 0.18 | 46.53617 | 8.38 | |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.03 | 342.00 | 10.26 | |
| 124 | Mason (brick layer) 2nd class | day | 0.03 | 305.00 | 9.15 | |
| 114 | Beldar | day | 0.08 | 254.00 | 20.32 | |
| 101 | Bhisti | day | 0.03 | 277.00 | 8.31 | |
| | TOTAL | | | | 303.41 | |
| | Add Water Charges @ 1% | | | | 3.03 | |
| | TOTAL | | | | 306.44 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 43.05 | |
| | TOTAL | | | | 349.50 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 52.42 | |
| | Cost of each | | | | 401.92 | |
| | labour cess @1% | | | | 4.02 | |
| | Say | | | | **405.90** | |
| **19.35** | **Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportio n of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete.** | | | | | |
| **19.35.1** | **450 mm dia RCC pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1728 | RCC pipe 450 mm dia NP-3 spigot (in 2.5 mtr length = 4 Nos. with collars /spigot) | metre | 10 | 1392.36 | 13923.62 | |
| 2299 | Carriage of R.C.C. pipes 450 & 500 mm dia | 100 metre | 10 | 0.00 | 0.00 | |
| 367 | Portland Cement cement of 4 joints = 4x0.0041=0.0164 cum = 0.024 tonne/2 | tonne | 0.012 | 5474.00 | 65.69 | |
| 2209 | Carriage of cement | tonne | 0.012 | 0.00 | 0.00 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 983 | Fine sand (zone IV)<br>Fine sand for 4 joints<br>=0 .0082x4= 0.033 cum/2 | cum | 0.017 | 117.66 | 2.00 | |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.017 | 0.00 | 0.00 | |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.375 | 342.00 | 128.25 | |
| 124 | Mason (brick layer) 2nd class | day | 0.375 | 305.00 | 114.38 | |
| 114 | Beldar | day | 2.41 | 254.00 | 612.14 | |
| 101 | Bhisti | day | 0.33 | 277.00 | 91.41 | |
| | TOTAL | | | | 14937.49 | |
| | Add Water Charges @ 1% | | | | 149.37 | |
| | TOTAL | | | | 15086.86 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 2119.70 | |
| | TOTAL | | | | 17206.56 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2580.98 | |
| | Cost of 10 metre | | | | 19787.55 | |
| | Cost of 1 metre | | | | 1978.7549 | |
| | labour cess @1% | | | | 19.79 | |
| | Say | | | | **1998.50** | |
| **19.35.2** | **600 mm dia RCC pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1729 | RCC pipe 600 mm dia NP-3 spigot (in 2.5 mtr length = 4 Nos. with collars /spigot) | metre | 10 | 1856.79 | 18567.93 | |
| 2303 | Carriage of R.C.C. pipes 600,700,750 & 800 mm dia | 100 metre | 10 | 0.00 | 0.00 | |
| 367 | Portland Cement<br>cement of 4 joints = 4x0.0054 =0.0216 cum = 0.032 tonne/2 | tonne | 0.016 | 5474.00 | 87.58 | |
| 2209 | Carriage of cement | tonne | 0.016 | 0.00 | 0.00 | |
| 983 | Fine sand (zone IV)<br>Fine sand for 4 joints =<br>0 .0108x4= 0.043 cum/2 | cum | 0.022 | 117.66 | 2.59 | |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.022 | 0.00 | 0.00 | |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.46 | 342.00 | 157.32 | |
| 124 | Mason (brick layer) 2nd class | day | 0.46 | 305.00 | 140.30 | |
| 114 | Beldar | day | 1.83 | 254.00 | 464.82 | |
| 101 | Bhisti | day | 0.33 | 277.00 | 91.41 | |
| | TOTAL | | | | 19511.95 | |
| | Add Water Charges @ 1% | | | | 195.12 | |
| | TOTAL | | | | 19707.07 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 2768.84 | |
| | TOTAL | | | | 22475.92 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 3371.39 | |
| | Cost of 10 metre | | | | 25847.31 | |
| | Cost of 1 metre | | | | 2584.7306 | |
| | labour cess @1% | | | | 25.85 | |
| | Say | | | | **2610.60** | |
| **19.35.3** | **900 mm dia RCC pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | MATERIAL: | | | | | |
| 1730 | RCC pipe 900 mm dia NP-3 spigot<br>900 mm dia pipe (in 2.5 mtr length = 4 Nos.<br>with collars/spigot) | metre | 10 | 2931.78 | 29317.79 | |
| 2331 | Carriage of R.C.C. pipes 900 mm dia | 100 metre | 10 | 0.00 | 0.00 | |
| 367 | Portland Cement<br>cement of 4 joints = 4x0.0082 =0.0328<br>cum = 0.049 tonne/2 | tonne | 0.025 | 5474.00 | 136.85 | |
| 2209 | Carriage of cement | tonne | 0.025 | 0.00 | 0.00 | |
| 983 | Fine sand (zone IV)<br>Fine sand for 4 joints =<br>0 .0164x4= 0.066 cum/2 | cum | 0.033 | 117.66 | 3.88 | |
| 2261 | Carriage of fine sand (1 part badarpur sand:<br>2 parts jamuna sand) | cum | 0.033 | 0.00 | 0.00 | |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.625 | 342.00 | 213.75 | |
| 124 | Mason (brick layer) 2nd class | day | 0.625 | 305.00 | 190.63 | |
| 114 | Beldar | day | 3 | 254.00 | 762.00 | |
| 101 | Bhisti | day | 0.5 | 277.00 | 138.50 | |
| | TOTAL | | | | 30763.40 | |
| | Add Water Charges @ 1% | | | | 307.63 | |
| | TOTAL | | | | 31071.03 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 4365.48 | |
| | TOTAL | | | | 35436.51 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 5315.48 | |
| | Cost of 10 metre | | | | 40751.98 | |
| | Cost of 1 metre | | | | 4075.1985 | |
| | labour cess @1% | | | | 40.75 | |
| | Say | | | | **4116.00** | |
| **19.35.4** | **1000mm dia RCC pipe** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1731 | RCC pipe 1000 mm dia NP-3 spigot<br>(in 2.5 mtr leng th = 4 Nos. with collars<br>/spigot) | metre | 10 | 3615.86 | 36158.60 | |
| 2332 | Carriage of R.C.C. pipes 1000 mm dia | 100 metre | 10 | 0.00 | 0.00 | |
| 367 | Portland Cement<br>cement of 4 joints = 4x0.0092 =0.0368<br>cum = 0.055 tonne/2 | tonne | 0.028 | 5474.00 | 153.27 | |
| 2209 | Carriage of cement | tonne | 0.028 | 0.00 | 0.00 | |
| 983 | Fine sand (zone IV)<br>Fine sand for 4 joints<br>=0 .0185x4= 0.074 cum/2 | cum | 0.037 | 117.66 | 4.35 | |
| 2261 | Carriage of fine sand (1 part badarpur sand:<br>2 parts jamuna sand) | cum | 0.037 | 0.00 | 0.00 | |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.68 | 342.00 | 232.56 | |
| 124 | Mason (brick layer) 2nd class | day | 0.68 | 305.00 | 207.40 | |
| 114 | Beldar | day | 4.33 | 254.00 | 1099.82 | |
| 101 | Bhisti | day | 0.5 | 277.00 | 138.50 | |
| | TOTAL | | | | 37994.51 | |
| | Add Water Charges @ 1% | | | | 379.95 | |
| | TOTAL | | | | 38374.45 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 5391.61 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 43766.07 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 6564.91 |
| | Cost of 10 metre | | | | 50330.98 |
| | Cost of 1 metre | | | | 5033.0976 |
| | labour cess @1% | | | | 50.33 |
| | Say | | | | **5083.40** |
| **19.35.5** | **1200 mm dia RCC pipes. (Laying by mannual/machenical means).** | | | | |
| | Details of cost for 10 metre. | | | | |
| | MATERIAL: | | | | |
| 1732 | RCC pipe 1200 mm dia NP-3 spigot (in 2.5 mtr length = 4 Nos. with collars /spigot) | metre | 10 | 4690.85 | 46908.46 |
| 2334 | Carriage of R.C.C. pipes 1200 mm dia | 100 metre | 10 | 0 | 0.00 |
| 367 | Portland Cement cement of 4 joints = 4x0.0114 =0.0456 cum = 0.068 tonne/2 | tonne | 0.034 | 5474.00 | 186.12 |
| 2209 | Carriage of cement | tonne | 0.034 | 0 | 0.00 |
| 983 | Fine sand (zone IV) Fine sand for 4 joints =0 .0229x4= 0.0916 = 0.092 cum/2 | cum | 0.046 | 117.66 | 5.41 |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.046 | 0 | 0.00 |
| | LABOUR: | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.795 | 342.00 | 271.89 |
| 124 | Mason (brick layer) 2nd class | day | 0.795 | 305.00 | 242.48 |
| 114 | Beldar | day | 8.67 | 254.00 | 2202.18 |
| 101 | Bhisti | day | 0.67 | 277.00 | 185.59 |
| | TOTAL | | | | 50002.12 |
| | Add Water Charges @ 1% | | | | 500.02 |
| | TOTAL | | | | 50502.14 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 7095.55 |
| | TOTAL | | | | 57597.70 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 8639.65 |
| | Cost of 10 metre | | | | 66237.35 |
| | Cost of 1 metre | | | | 6623.735 |
| | labour cess @1% | | | | 66.24 |
| | Say | | | | **6690.00** |
| **19.35.6** | **1800 mm dia RCC pipes. (Laying by mannual/machenical means).** | | | | |
| | Details of cost for 10 metre. | | | | |
| | MATERIAL: | | | | |
| 1733 | RCC pipe 1800 mm dia NP-3 spigot (in 2.5 mtr length = 4 Nos. with collars /spigot) | metre | 10 | 8795.34 | 87953.4 |
| 2336 | Carriage of R.C.C. pipe above 1200 mm dia and upto 1800 mm dia | 100 metre | 10 | 0 | 0.00 |
| 367 | Portland Cement cement of 4 Joints /2= 4x0.0164=0.0656 cum Total=0.099 T /2=0.049 | tonne | 0.049 | 5474.00 | 268.23 |
| 2209 | Carriage of cement | tonne | 0.049 | 0 | 0.00 |
| 983 | Fine sand (zone IV) Fine sand for 4 joints = 0 .0276x4= 0.1103 | cum | 0.055 | 117.66 | 6.47 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | = 0.11 cum/2 | | | | 0.00 | |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.055 | 0 | | |
| | LABOUR: | | | | 0.00 | |
| 123 | Mason (brick layer) 1 st class | day | 1.15 | 342.00 | 393.30 | |
| 124 | Mason (brick layer) 2nd class | day | 1.15 | 305.00 | 350.75 | |
| 114 | Beldar | day | 13 | 254.00 | 3302.00 | |
| 101 | Bhisti | day | 1 | 277.00 | 277.00 | |
| | TOTAL | | | | 92551.11 | |
| | Add Water Charges @ 1% | | | | 925.51 | |
| | TOTAL | | | | 93476.62 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 13133.47 | |
| | TOTAL | | | | 106610.09 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 15991.51 | |
| | Cost of 10 metre | | | | 122601.60 | |
| | Cost of 1 metre | | | | 12260.16 | |
| | labour cess @1% | | | | 122.60 | |
| | Say | | | | **12382.80** | |
| **19.36** | **Providing and laying Non Pressure NP-4 class (Heavy duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete.** | | | | | |
| **19.36.1** | **450 mm dia RCC pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| 1734 | RCC pipe 450 mm dia NP-4 spigot (in 2.5 mtr length = 4 Nos. with collars /spigot) | metre | 10 | 1612.94 | 16129.4 | |
| 2299 | Carriage of R.C.C. pipes 450 & 500 mm dia | 100 metre | 10 | 0 | 0.0 | |
| 367 | Portland Cement cement of 4 joints = 4x0.0041=0.0164 cum = 0.024 tonne/2 | tonne | 0.012 | 5474.00 | 65.7 | |
| 2209 | Carriage of cement | tonne | 0.012 | 0 | 0.0 | |
| 983 | Fine sand (zone IV) Fine sand for 4 joints= 0.0082x4= 0.033 cum/2 | cum | 0.017 | 117.66 | 2.0 | |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.017 | 0 | 0.0 | |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.375 | 342 | 128.3 | |
| 124 | Mason (brick layer) 2nd class | day | 0.375 | 305.00 | 114.4 | |
| 114 | Beldar | day | 2.41 | 254.00 | 612.1 | |
| 101 | Bhisti | day | 0.33 | 277.00 | 91.4 | |
| | TOTAL | | | | 17143.3 | |
| | Add Water Charges @ 1% | | | | 171.4 | |
| | TOTAL | | | | 17314.73 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 2432.72 | |
| | TOTAL | | | | 19747.45 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2962.12 | |
| | Cost of 10 metre | | | | 22709.6 | |
| | Cost of 1 metre | | | | 2270.9571 | |
| | labour cess @1% | | | | 22.71 | |
| | Say | | | | **2293.70** | |
| **19.36.2** | **600 mm dia RCC pipes.** | | | | | |
| | Details of cost for 10 metre. | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | MATERIAL: | | | | | |
| 1735 | RCC pipe 600 mm dia NP-4 spigot (in 2.5 mtr length = 4 Nos. with collars /spigot) | metre | 10 | 2149.97 | 21499.7 | |
| 2303 | Carriage of R.C.C. pipes 600,700,750 & 800 mm dia | 100 metre | 10 | 0 | 0.0 | |
| 367 | Portland Cement cement of 4 joints = 4x0.0054 =0.0216 cum = 0.032 tonne/2 | tonne | 0.016 | 5474.00 | 87.6 | |
| 2209 | Carriage of cement | tonne | 0.016 | 0 | 0.0 | |
| 983 | Fine sand (zone IV) Fine sand for 4 joints =0 .0108x4= 0.043 cum/2 | cum | 0.022 | 117.66 | 2.6 | |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.022 | 0 | 0.0 | |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.46 | 342 | 157.3 | |
| 124 | Mason (brick layer) 2nd class | day | 0.46 | 305.00 | 140.3 | |
| 114 | Beldar | day | 1.83 | 254.00 | 464.8 | |
| 101 | Bhisti | day | 0.33 | 277.00 | 91.4 | |
| | TOTAL | | | | 22443.7 | |
| | Add Water Charges @ 1% | | | | 224.4 | |
| | TOTAL | | | | 22668.17 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 3184.88 | |
| | TOTAL | | | | 25853.05 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 3877.96 | |
| | Cost of 10 metre | | | | 29731.0 | |
| | Cost of 1 metre | | | | 2973.1006 | |
| | labour cess @1% | | | | 29.73 | |
| | Say | | | | **3002.80** | |
| **19.36.3** | **900 mm dia RCC pipes.** | | | | | |
| | Details of cost for 10.00 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1736 | RCC pipe 900 mm dia NP-4 spigot (in 2.5 mtr length = 4 Nos. with collars /spigot) | metre | 10 | 4182.67 | 41826.7 | |
| 2331 | Carriage of R.C.C. pipes 900 mm dia | 100 metre | 10 | 0 | 0.0 | |
| 367 | Portland Cement cement of 4 joints = 4x0.0082 =0.0328 cum = 0.049 tonne/2 | tonne | 0.025 | 5474.00 | 136.9 | |
| 2209 | Carriage of cement | tonne | 0.025 | 0 | 0.0 | |
| 983 | Fine sand (zone IV) Fine sand for 4 joints =0 .0164x4= 0.066 cum/2 | cum | 0.033 | 117.66 | 3.9 | |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.033 | 0 | 0.0 | |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.625 | 342 | 213.8 | |
| 124 | Mason (brick layer) 2nd class | day | 0.625 | 305.00 | 190.6 | |
| 114 | Beldar | day | 3 | 254.00 | 762.0 | |
| 101 | Bhisti | day | 0.5 | 277.00 | 138.5 | |
| | TOTAL | | | | 43272.3 | |
| | Add Water Charges @ 1% | | | | 432.7 | |
| | TOTAL | | | | 43705.04 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 6140.56 |
| | TOTAL | | | | 49845.60 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 7476.84 |
| | Cost of 10 metre | | | | 57322.4 |
| | Cost of 1 metre | | | | 5732.2439 |
| | labour cess @1% | | | | 57.32 |
| | Say | | | | **5789.60** |
| **19.36.4** | **1000 mm dia RCC pipes.(Laying by mannual/machenical means)** | | | | |
| | Details of cost for 10 metre | | | | |
| | MATERIAL: | | | | |
| 1737 | RCC pipe 1000 mm dia NP-4 spigot (in 2.5 mtr leng th = 4 Nos. with collars /spigot) | metre | 10 | 5179.48 | 51794.8 |
| 2332 | Carriage of R.C.C. pipes 1000 mm dia | 100 metre | 10 | 0 | 0.0 |
| 367 | Portland Cement cement of 4 joints = 4x0.0092 =0.0368 cum = 0.055 tonne/2 | tonne | 0.028 | 5474.00 | 153.3 |
| 2209 | Carriage of cement | tonne | 0.028 | 0 | 0.0 |
| 983 | Fine sand (zone IV) Fine sand for 4 joints =0 .0185x4= 0.074 cum/2 | cum | 0.037 | 117.66 | 4.4 |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.037 | 0 | 0.0 |
| | LABOUR: | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.68 | 342 | 232.6 |
| 124 | Mason (brick layer) 2nd class | day | 0.68 | 305.00 | 207.4 |
| 114 | Beldar | day | 4.33 | 254.00 | 1099.8 |
| 101 | Bhisti | day | 0.5 | 277.00 | 138.5 |
| | TOTAL | | | | 53630.7 |
| | Add Water Charges @ 1% | | | | 536.3 |
| | TOTAL | | | | 54166.97 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 7610.46 |
| | TOTAL | | | | 61777.43 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 9266.61 |
| | Cost of 10 metre | | | | 71044.0 |
| | Cost of 1 metre | | | | 7104.4043 |
| | labour cess @1% | | | | 71.04 |
| | Say | | | | **7175.40** |
| **19.36.5** | **1200 mm dia RCC pipes. (Laying by mannual/machenical means).** | | | | |
| | Details of cost for 10 metre | | | | |
| | MATERIAL: | | | | |
| 1738 | RCC pipe 1200 mm dia NP-4 spigot (in 2.5 mtr leng th = 4 Nos. with collars /spigot) | metre | 10 | 6059.01 | 60590.1 |
| | Carriage of R.C.C. pipes 1200 mm dia | | | | |
| 2334 | Portland Cement | 100 metre | 10 | 0 | 0.0 |
| 367 | cement of 4 joints = 4x0.0114 =0.0456 cum = 0.068 tonne/2 | tonne | 0.034 | 5474.00 | 186.1 |
| 2209 | Carriage of cement | tonne | 0.034 | 0 | 0.0 |
| 983 | Fine sand (zone IV) | cum | 0.046 | 117.66 | 5.4 |
| | Fine sand for 4 joints | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | = 0.0229x4= 0.0916 = 0.092 cum/2 | | | | | |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.046 | 0 | 0.0 | |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.795 | 342.00 | 271.9 | |
| 124 | Mason (brick layer) 2nd class | day | 0.795 | 305.00 | 242.5 | |
| 114 | Beldar | day | 8.67 | 254.00 | 2202.2 | |
| 101 | Bhisti | day | 0.67 | 277.00 | 185.6 | |
| | TOTAL | | | | 63683.8 | |
| | Add Water Charges @ 1% | | | | 636.8 | |
| | TOTAL | | | | 64320.59 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 9037.04 | |
| | TOTAL | | | | 73357.64 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 11003.65 | |
| | Cost of 10 metre | | | | 84361.3 | |
| | Cost of 1 metre | | | | 8436.1284 | |
| | labour cess @1% | | | | 84.36 | |
| | Say | | | | **8520.50** | |
| **19.36.6** | **1800 mm dia RCC pipes. (Laying by mannual/machenical means).** | | | | | |
| | Details of cost for 10 metre. | | | | | |
| | MATERIAL: | | | | | |
| 1739 | RCC pipe 1800 mm dia NP-4 spigot (in 2.5 mtr leng th = 4 Nos. with collars /spigot) | metre | 10 | 12704.37 | 127043.7 | |
| 2336 | Carriage of R.C.C. pipe above 1200 mm dia and upto 1800 mm dia | 100 metre | 10 | 0 | 0.0 | |
| 367 | Portland Cement | tonne | 0.049 | 5474.00 | 268.2 | |
| | cement of 4 joints = 4x0.0164 =0.0656 cum = 0.0994 tonne/2 | | | | | |
| 2209 | Carriage of cement | tonne | 0.049 | 0 | 0.0 | |
| 983 | Fine sand (zone IV) | cum | 0.055 | 117.66 | 6.5 | |
| | Fine sand for 4 joints = 0.0276x4= 0.1103 = 0.11 cum/2 | | | | | |
| 2261 | Carriage of fine sand (1 part badarpur sand: 2 parts jamuna sand) | cum | 0.055 | 0 | 0.0 | |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 1.15 | 342.00 | 393.3 | |
| 114 | Beldar | day | 13 | 254.00 | 3302.0 | |
| 101 | Bhisti | day | 1 | 277.00 | 277.0 | |
| | TOTAL | | | | 131290.7 | |
| | Add Water Charges @ 1% | | | | 1312.9 | |
| | TOTAL | | | | 132603.6 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 18630.8 | |
| | TOTAL | | | | 151234.5 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 22685.2 | |
| | Cost of 10 metre | | | | 173919.6 | |
| | Cost of 1 metre | | | | 17392.0 | |
| | labour cess @1% | | | | 173.9 | |
| | Say | | | | **17565.90** | |

# SUB HEAD : 20.0

# PILE WORK

## BUILDING WORK

# 20.0 PILE WORK

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **20.1** | **Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap).** | | | | | |
| **20.1.1** | **400 mm dia piles.** | | | | | |
| | Details of cost for 20 metre length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete -3.14/4x0.40²x20 = 2.51 cum | | | | | |
| **5.33.1** | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 2.51 | 5141.05 | 12904.04 | A |
| **9999** | Sundries | L.S. | 521.08 | 1.80 | 937.94 | |
| **7181** | C.I. pile shoe @ 80 kg per pile | kilogram | 80 | 46.54 | 3722.89 | |
| **7182** | M.S. clamps for pile shoe @ 35 kg per pile | kilogram | 35 | 41.88 | 1465.89 | |
| | MACHINERY: | | | | | |
| **0024** | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.36 | 34000.00 | 12240.00 | |
| **0025** | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| **0L71** | Mistry | day | 0.08 | 322.00 | 25.76 | |
| **0114** | Beldar | day | 2 | 254.00 | 508.00 | |
| | TOTAL | | | | 31954.53 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 190.50 | |
| | TOTAL | | | | 32145.03 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 2703.36 | |
| | TOTAL | | | | 34848.39 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 3291.65 | |
| | Cost of 20 metre | | | | 38140.05 | |
| | Cost of 1 metre | | | | 1907.00 | |
| | labour cess @1% | | | | 19.07 | |
| | Say | | | | **1926.10** | |
| **20.1.2** | **450 mm dia piles.** | | | | | |
| | **Details of cost for 20 m length of pile.** | | | | | |
| | MATERIAL: | | | | | |
| | Concrete -3.14/4x0.45²x20 = 3.18 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 3.18 | 5141.05 | 16348.55 | A |
| 9999 | Sundries | L.S. | 392.7 | 1.80 | 706.86 | |
| 7181 | C.I. pile shoe @ 80 kg per pile | kilogram | 80 | 46.54 | 3722.89 | |
| 7182 | M.S. clamps for pile shoe @ 35 kg per pile | kilogram | 35 | 41.88 | 1465.89 | |
| | MACHINERY: | | | | | |
| 24 | Hire and running charges of hydraulic piling | day | 0.48 | 34000.00 | 16320.00 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | rig with power unit etc. including complete accessories and shifting at site | | | | | |
| 25 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.08 | 322.00 | 25.76 | |
| 114 | Beldar | day | 2 | 254.00 | 508.00 | |
| | TOTAL | | | | 39247.95 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 228.99 | |
| | TOTAL | | | | 39476.94 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 3249.54 | |
| | TOTAL | | | | 42726.48 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 3956.69 | |
| | Cost of 20 metre | | | | 46683.17 | |
| | Cost of 1 metre | | | | 2334.16 | |
| | labour cess @1% | | | | 23.34 | |
| | Say | | | | **2357.50** | |
| **20.1.3** | **500 mm dia piles.** | | | | | |
| | Details of cost for 20 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete 3.14/4x0.50²x20 = 3.925 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 3.925 | 5141.05 | 20178.63 | A |
| 9999 | Sundries | L.S. | 530 | 1.8 | 954.00 | |
| 7181 | C.I. pile shoe @ 80 kg per pile | kilogram | 80 | 46.53617021 | 3722.89 | |
| 7182 | M.S. clamps for pile shoe @ 35 kg per pile | kilogram | 35 | 41.88255319 | 1465.89 | |
| | MACHINERY: | | | | | |
| 24 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.6 | 34000.00 | 20400.00 | |
| 25 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.08 | 322.00 | 25.76 | |
| 114 | Beldar | day | 2 | 254.00 | 508.00 | |
| | TOTAL | | | | 47405.17 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 272.27 | |
| | TOTAL | | | | 47677.44 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 3863.58 | |
| | TOTAL | | | | 51541.02 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 4704.36 | |
| | Cost of 20 metre | | | | 56245.38 | |
| | Cost of 1 metre | | | | 2812.27 | |
| | labour cess @1% | | | | 28.12 | |
| | Say | | | | **2840.40** | |
| **20.1.4** | **550 mm dia piles.** | | | | | |
| | Details of cost for 20 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete 3.14/4x0.55²x20 = 4.75 cum | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 4.75 | 5141.05 | 24420.00 | A |
| 9999 | Sundries | L.S. | 371.88 | 1.80 | 669.38 | |
| 7181 | C.I. pile shoe @ 80 kg per pile | kilogram | 80.00 | 46.54 | 3722.89 | |
| 7182 | M.S. clamps for pile shoe @ 35 kg per pile | kilogram | 35.00 | 41.88 | 1465.89 | |
| | MACHINERY: | | | | | |
| 24 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.60 | 34000.00 | 20400.00 | |
| 25 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.08 | 322.00 | 25.76 | |
| 114 | Beldar | day | 2.00 | 254.00 | 508.00 | |
| | TOTAL | | | | 51361.93 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 269.42 | |
| | TOTAL | | | | 51631.34 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 3823.19 | |
| | TOTAL | | | | 55454.54 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 4655.18 | |
| | Cost of 20 metre | | | | 60109.72 | |
| | Cost of 1 metre | | | | 3005.49 | |
| | labour cess @1% | | | | 30.05 | |
| | Say | | | | **3035.50** | |
| **20.1.5** | **750 mm dia piles.** | | | | | |
| | Details of cost for 15m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete 3.14/4x0.75²x20 = 6.62 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 6.62 | 5141.05 | 34033.77 | A |
| 9999 | Sundries | L.S. | 573.57 | 1.80 | 1032.43 | |
| 7181 | C.I. pile shoe @ 80 kg per pile | kilogram | 80.00 | 46.54 | 3722.89 | |
| 7182 | M.S. clamps for pile shoe @ 35 kg per pile | kilogram | 35.00 | 41.88 | 1465.89 | |
| | MACHINERY: | | | | | |
| 24 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.70 | 34000.00 | 23800.00 | |
| 25 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.14 | 322.00 | 45.08 | |
| 114 | Beldar | day | 3.50 | 254.00 | 889.00 | |
| | TOTAL | | | | 65139.06 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 311.05 | |
| | TOTAL | | | | 65450.11 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 4414.00 | |
| | TOTAL | | | | 69864.10 | (Y) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 5374.55 | |
| | Cost of 15 metre | | | | 75238.66 | |
| | Cost of 1 metre | | | | 5015.91 | |
| | labour cess @1% | | | | 50.16 | |
| | Say | | | | **5066.10** | |
| **20.1.6** | **1000 mm dia piles.** | | | | | |
| | Details of cost for 10m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete 3.14/4x1.00²x10 = 7.85 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 7.85 | 5141.05 | 40357.26 | A |
| 9999 | Sundries | L.S. | 897.89 | 1.80 | 1616.20 | |
| 7181 | C.I. pile shoe @ 80 kg per pile | kilogram | 80.00 | 46.54 | 3722.89 | |
| 7182 | M.S. clamps for pile shoe @ 35 kg per pile | kilogram | 35.00 | 41.88 | 1465.89 | |
| | MACHINERY: | | | | | |
| 24 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.68 | 34000.00 | 23120.00 | |
| 25 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.16 | 322.00 | 51.52 | |
| 114 | Beldar | day | 4.00 | 254.00 | 1016.00 | |
| | TOTAL | | | | 71499.77 | |
| | Add Water Charges @ 1% except on A i.e on | | | | **311.43** | |
| | TOTAL | | | | 71811.19 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 4419.28 | |
| | TOTAL | | | | 76230.47 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 5380.98 | |
| | Cost of 10 metre | | | | 81611.45 | |
| | Cost of 1 metre | | | | 8161.14 | |
| | labour cess @1% | | | | 81.61 | |
| | Say | | | | **8242.80** | |
| **20.1.7** | **1200 mm dia piles.** | | | | | |
| | Details of cost for 9 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete 3.14/4x1.2²x9 =10.17cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 10.17 | 5141.05 | 52284.50 | A |
| 9999 | Sundries | L.S. | 733.37 | 1.80 | 1320.07 | |
| 7181 | C.I. pile shoe @ 80 kg per pile | kilogram | 80 | 46.54 | 3722.89 | |
| 7182 | M.S. clamps for pile shoe @ 35 kg per pile | kilogram | 35 | 41.88 | 1465.89 | |
| | MACHINERY: | | | | | |
| 24 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.67 | 34000.00 | 22780.00 | |
| 25 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.18 | 322.00 | 57.96 | |
| 0114 | Beldar | day | 4.5 | 254.00 | 1143.00 | |
| | TOTAL | | | | 82924.31 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 306.40 | |
| | TOTAL | | | | 83230.71 | (X) |
| | Add GST 12% on "X" except on A | | | | 4347.94 | |
| | (multiplying factor 0.1405) | | | | | |
| | TOTAL | | | | 87578.65 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 5294.12 | |
| | Cost of 9 metre | | | | 92872.77 | |
| | Cost of 1 metre | | | | 10319.20 | |
| | labour cess @1% | | | | 103.19 | |
| | Say | | | | **10422.40** | |
| **20.1.8** | **1500 mm dia piles.** | | | | | |
| | Details of cost for 9 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete 3.14/4x1.5$^2$ x9 =15.90 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 15.90 | 5141.05 | 81742.73 | A |
| 9999 | Sundries | L.S. | 1113.48 | 1.80 | 2004.26 | |
| 7181 | C.I. pile shoe | kilogram | 80.00 | 46.54 | 3722.89 | |
| | @ 80 kg per pile | | | | | |
| 7182 | M.S. clamps for pile shoe | kilogram | 35.00 | 41.88 | 1465.89 | |
| | @ 35 kg per pile | | | | | |
| | MACHINERY: | | | | | |
| 24 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.77 | 34000.00 | 26180.00 | |
| 25 | Hire and running charges of light crane | day | 0.10 | 2500.00 | 250.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.20 | 322.00 | 64.40 | |
| 0114 | Beldar | day | 5.00 | 254.00 | 1270.00 | |
| | TOTAL | | | | 116700.18 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 349.57 | |
| | TOTAL | | | | 117049.75 | (X) |
| | Add GST 12% on "X" except on A | | | | 4960.64 | |
| | (multiplying factor 0.1405) | | | | | |
| | TOTAL | | | | 122010.39 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 6040.15 | |
| | Cost of 9 metre | | | | 128050.54 | |
| | Cost of 1 metre | | | | 14227.84 | |
| | labour cess @1% | | | | 142.28 | |
| | Say | | | | **14370.10** | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **20.2** | **Boring, providing and installing bored cast-in-situ reinforced of grade M-25 of specified diameter and length below the pile cap, to carry a safe cement concrete piles working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring, with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc.(By percussion drilling using Direct mud circulation (DMC) or Bailer and chisel technique by tripod and mechanical Winch all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap).** | | | | | |
| **20.2.1** | **300 mm dia piles.** | | | | | |
| | Details of cost for 20 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete 3.14/4x0.30²x20 = 1.41 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 1.41 | 5141.05 | 7248.88 | A |
| 7183 | Bentonite | tonne | 0.16 | 2885.24 | 461.64 | |
| 9999 | Sundries | L.S. | 289.85 | 1.80 | 521.73 | |
| | **MACHINERY:** | | | | | |
| 0015 | Hire and running charges of tripod and mechanical Winch machine complete with power unit and accessories | day | 0.72 | 2000.00 | 1440.00 | |
| 0025 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| 0026 | Hire and running charges of bentonite pump | day | 0.38 | 4200.00 | 1596.00 | |
| 0018 | Hire and running charges of loader | day | 0.30 | 6000.00 | 1800.00 | |
| 0017 | Hire and running charges of tipper | day | 0.30 | 1800.00 | 540.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.12 | 322.00 | 38.64 | |
| 114 | Beldar | day | 2.00 | 254.00 | 508.00 | |
| | TOTAL | | | | 14304.89 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 70.56 | |
| | TOTAL | | | | 14375.45 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1001.28 | |
| | TOTAL | | | | 15376.74 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 1219.18 | |
| | Cost of 20 metre | | | | 16595.91 | |
| | Cost of 1 metre | | | | 829.80 | |
| | labour cess @1% | | | | 8.30 | |
| | Say | | | | **838.10** | |
| **20.2.2** | **400 mm dia piles.** | | | | | |
| | Details of cost for 20 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete 3.14/4x0.40²x20 = 2.51 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 2.51 | 5141.05 | 12904.04 | A |
| 7183 | Bentonite | tonne | 0.23 | 2885.24 | 649.18 | |
| 9999 | Sundries | L.S. | 79.06 | 1.80 | 142.31 | |
| | **MACHINERY:** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 0015 | Hire and running charges of tripod and mechanical Winch machine complete with power unit and accessories | day | 0.72 | 2000.00 | 1440.00 | |
| 0025 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| 0026 | Hire and running charges of bentonite pump | day | 0.38 | 4200.00 | 1596.00 | |
| 0018 | Hire and running charges of loader | day | 0.30 | 6000.00 | 1800.00 | |
| 0017 | Hire and running charges of tipper | day | 0.30 | 1800.00 | 540.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.12 | 322.00 | 38.64 | |
| 114 | Beldar | day | 2.00 | 254.00 | 508.00 | |
| | TOTAL | | | | 19768.17 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 68.64 | |
| | TOTAL | | | | 19836.81 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 974.05 | |
| | TOTAL | | | | 20810.86 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 1186.02 | |
| | Cost of 20 metre | | | | 21996.89 | |
| | Cost of 1 metre | | | | 1099.84 | |
| | labour cess @1% | | | | 11.00 | |
| | Say | | | | **1110.80** | |
| **20.2.3** | **450 mm dia piles.** | | | | | |
| | Details of cost for 20 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete 3.14/4x0.45²x20 = 3.18 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 3.18 | 5141.05 | 16348.55 | A |
| 7183 | Bentonite | tonne | 0.25 | 2885.24 | 721.31 | |
| 9999 | Sundries | L.S. | 230.69 | 1.80 | 415.24 | |
| | MACHINERY: | | | | | |
| 0015 | Hire and running charges of tripod and mechanical Winch machine complete with power unit and accessories | day | 0.94 | 2000.00 | 1880.00 | |
| 0025 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| 0026 | Hire and running charges of bentonite pump | day | 0.38 | 4200.00 | 1596.00 | |
| 0018 | Hire and running charges of loader | day | 0.30 | 6000.00 | 1800.00 | |
| 0017 | Hire and running charges of tipper | day | 0.30 | 1800.00 | 540.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.12 | 322.00 | 38.64 | |
| 0114 | Beldar | day | 2.50 | 254.00 | 635.00 | |
| | TOTAL | | | | 24124.74 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 77.76 | |
| | TOTAL | | | | 24202.50 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1103.48 | |
| | TOTAL | | | | 25305.98 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 1343.62 | |
| | Cost of 20 metre | | | | 26649.60 | |
| | Cost of 1 metre | | | | 1332.48 | |
| | labour cess @1% | | | | 13.32 | |
| | Say | | | | **1345.80** | |
| **20.2.4** | **500 mm dia piles.** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Details of cost for 20 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete 3.14/4x0.50² = 3.925 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 3.93 | 5141.05 | 20178.63 | A |
| 7183 | Bentonite | tonne | 0.28 | 2885.24 | 807.87 | |
| 9999 | Sundries | L.S. | 87.95 | 1.80 | 158.31 | |
| | MACHINERY: | | | | | |
| 0015 | Hire and running charges of tripod and mechanical Winch machine complete with power unit and accessories | day | 1.20 | 2000.00 | 2400.00 | |
| 0025 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| 0026 | Hire and running charges of bentonite pump | day | 0.38 | 4200.00 | 1596.00 | |
| 0018 | Hire and running charges of loader | day | 0.30 | 6000.00 | 1800.00 | |
| 0017 | Hire and running charges of tipper | day | 0.30 | 1800.00 | 540.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.12 | 322.00 | 38.64 | |
| 114 | Beldar | day | 2.50 | 254.00 | 635.00 | |
| | TOTAL | | | | 28304.45 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 81.26 | |
| | TOTAL | | | | 28385.71 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1153.09 | |
| | TOTAL | | | | 29538.80 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 1404.03 | |
| | Cost of 20 metre | | | | 30942.83 | |
| | **Cost of 1 metre** | | | | **1547.14** | |
| | labour cess @1% | | | | 15.47 | |
| | Say | | | | **1562.60** | |
| **20.2.5** | **600 mm dia piles.** | | | | | |
| | Details of cost for 20 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete 3.14/4x0.60²x20= 5.65 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 5.65 | 5141.05 | 29046.95 | A |
| 7183 | Bentonite | tonne | 0.33 | 2885.24 | 952.13 | |
| 9999 | Sundries | L.S. | 317.43 | 1.80 | 571.37 | |
| | **MACHINERY:** | | | | | |
| 0015 | Hire and running charges of tripod and mechanical Winch machine complete with power unit and accessories | day | 1.50 | 2000.00 | 3000.00 | |
| 0025 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| 0026 | Hire and running charges of bentonite pump | day | 0.38 | 4200.00 | 1596.00 | |
| 0018 | Hire and running charges of loader | day | 0.30 | 6000.00 | 1800.00 | |
| 0017 | Hire and running charges of tipper | day | 0.30 | 1800.00 | 540.00 | |
| | **LABOUR:** | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.12 | 322.00 | 38.64 | |
| 0114 | Beldar | day | 3.00 | 254.00 | 762.00 | |
| | TOTAL | | | | 38457.09 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 94.10 | |
| | TOTAL | | | | 38551.19 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1335.35 | |
| | TOTAL | | | | 39886.54 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 1625.94 | |
| | Cost of 20 metre | | | | 41512.48 | |
| | Cost of 1 metre | | | | 2075.62 | |
| | labour cess @1% | | | | 20.76 | |
| | Say | | | | **2096.40** | |
| **20.2.6** | **750 mm dia piles.** | | | | | |
| | Details of cost for 15 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete 3.14/4x0.75²x15 = 6.62 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 6.62 | 5141.05 | 34033.77 | A |
| 7183 | Bentonite | tonne | 0.30 | 2885.24 | 865.57 | |
| 9999 | Sundries | L.S. | 131.58 | 1.80 | 236.84 | |
| | **MACHINERY:** | | | | | |
| 0015 | Hire and running charges of tripod and mechanical Winch machine complete with power unit and accessories | day | 1.40 | 2000.00 | 2800.00 | |
| 0025 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| 0026 | Hire and running charges of bentonite pump | day | 0.75 | 4200.00 | 3150.00 | |
| 0018 | Hire and running charges of loader | day | 0.30 | 6000.00 | 1800.00 | |
| 0017 | Hire and running charges of tipper | day | 0.30 | 1800.00 | 540.00 | |
| | **LABOUR:** | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.14 | 322.00 | 45.08 | |
| 0114 | Beldar | day | 3.50 | 254.00 | 889.00 | |
| | TOTAL | | | | 44510.26 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 104.76 | |
| | TOTAL | | | | 44615.03 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1486.67 | |
| | TOTAL | | | | 46101.70 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 1810.19 | |
| | Cost of 15 metre | | | | 47911.88 | |
| | Cost of 1 metre | | | | 3194.13 | |
| | labour cess @1% | | | | 31.94 | |
| | Say | | | | **3226.10** | |

**20.2A** **Boring, providing and installing bored cast-in-situ reinforced of grade M-25 of specified diameter and length below the pile cap, to carry a safe cement concrete piles working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring, with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc.(By Crawler mounted, telescopic boom hydraulic pilling Rig all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap).**

**20.2A.1** **600 mm dia piles.**

Details of cost for 20 m length of pile.

MATERIAL:

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Concrete 3.14/4x0.60²x20= 5.65 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 5.65 | 5141.05 | 29046.95 | A |
| 7183 | Bentonite | tonne | 0.33 | 2885.24 | 952.13 | |
| 9999 | Sundries | L.S. | 317.43 | 1.80 | 571.37 | |
| | **MACHINERY:** | | | | | |
| 0024 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.75 | 34000.00 | 25500.00 | |
| 0025 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| 0026 | Hire and running charges of bentonite pump | day | 0.38 | 4200.00 | 1596.00 | |
| 0018 | Hire and running charges of loader | day | 0.30 | 6000.00 | 1800.00 | |
| 0017 | Hire and running charges of tipper | day | 0.30 | 1800.00 | 540.00 | |
| | **LABOUR:** | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.12 | 322.00 | 38.64 | |
| 0114 | Beldar | day | 3.00 | 254.00 | 762.00 | |
| | TOTAL | | | | 60957.09 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 319.10 | |
| | TOTAL | | | | 61276.19 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 4528.21 | |
| | TOTAL | | | | 65804.40 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 5513.62 | |
| | Cost of 20 metre | | | | 71318.02 | |
| | Cost of 1 metre | | | | 3565.90 | |
| | labour cess @1% | | | | 35.66 | |
| | Say | | | | **3601.60** | |
| **20.2A.2** | **750 mm dia piles.** | | | | | |
| | Details of cost for 15 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete 3.14/4x0.75²x15 = 6.62 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 6.62 | 5141.05 | 34033.77 | A |
| 7183 | Bentonite | tonne | 0.3 | 2885.242553 | 865.57 | |
| 9999 | Sundries | L.S. | 131.58 | 1.8 | 236.84 | |
| | **MACHINERY:** | | | | | |
| 0024 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.7 | 34000.00 | 23800.00 | |
| 0025 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| 0026 | Hire and running charges of bentonite pump | day | 0.75 | 4200.00 | 3150.00 | |
| 0018 | Hire and running charges of loader | day | 0.3 | 6000.00 | 1800.00 | |
| 0017 | Hire and running charges of tipper | day | 0.3 | 1800.00 | 540.00 | |
| | **LABOUR:** | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.14 | 322.00 | 45.08 | |
| 0114 | Beldar | day | 3.50 | 254.00 | 889.00 | |
| | TOTAL | | | | 65510.26 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 314.76 | |
| | TOTAL | | | | 65825.03 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 4466.67 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 70291.70 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 5438.69 | |
| | Cost of 15 metre | | | | 75730.39 | |
| | Cost of 1 metre | | | | 5048.69 | |
| | labour cess @1% | | | | 50.49 | |
| | Say | | | | **5099.20** | |
| **20.2A.3** | **1000 mm dia piles.** | | | | | |
| | Details of cost for 10 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete 3.14/4x1.00²x10 = 7.85 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 7.85 | 5141.05 | 40357.26 | A |
| 7183 | Bentonite | tonne | 0.35 | 2885.24 | 1009.83 | |
| 9999 | Sundries | L.S. | 175.89 | 1.8 | 316.60 | |
| | **MACHINERY:** | | | | | |
| 0024 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.69 | 34000.00 | 23460.00 | |
| 0025 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| 0026 | Hire and running charges of bentonite pump | day | 0.75 | 4200.00 | 3150.00 | |
| 0018 | Hire and running charges of loader | day | 0.4 | 6000.00 | 2400.00 | |
| 0017 | Hire and running charges of tipper | day | 0.4 | 1800.00 | 720.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.16 | 322 | 51.52 | |
| 114 | Beldar | day | 4 | 254 | 1016.00 | |
| | TOTAL | | | | 72631.22 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 322.739569 | |
| | TOTAL | | | | 72953.96 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 4579.84 | |
| | TOTAL | | | | 77533.79 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 5576.48 | |
| | Cost of 10 metre | | | | 83110.27 | |
| | Cost of 1 metre | | | | 8311.03 | |
| | labour cess @1% | | | | 83.11 | |
| | Say | | | | **8394.10** | |
| **20.2A.4** | **1200 mm dia piles.** | | | | | |
| | Details of cost for 9 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete 3.14/4x1.20²x9 =10.17 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 10.17 | 5141.05 | 52284.50 | A |
| 7183 | Bentonite | tonne | 0.385 | 2885.24 | 1110.82 | |
| 9999 | Sundries | L.S. | 290.79 | 1.80 | 523.42 | |
| | MACHINERY: | | | | | |
| 0024 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.67 | 34000.00 | 22780.00 | |
| 0025 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| 0026 | Hire and running charges of bentonite pump | day | 0.75 | 4200.00 | 3150.00 | |
| 0018 | Hire and running charges of loader | day | 0.5 | 6000.00 | 3000.00 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 0017 | Hire and running charges of tipper | day | 0.5 | 1800.00 | 900.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.18 | 322 | 57.96 | |
| 114 | Beldar | day | 4.5 | 254 | 1143.00 | |
| | TOTAL | | | | 85099.70 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 328.152004 | |
| | TOTAL | | | | 85427.85 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 4656.64 | |
| | TOTAL | | | | 90084.50 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 5670.00 | |
| | Cost of 9 metre | | | | 95754.49 | |
| | Cost of 1 metre | | | | 10639.3883 | |
| | labour cess @1% | | | | 106.39 | |
| | Say | | | | **10745.80** | |
| **20.2A.5** | **1500 mm dia piles.** | | | | | |
| | Details of cost for 9 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete 3.14/4x1.50²x9 = 15.90 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 15.90 | 5141.05 | 81742.73 | A |
| 7183 | Bentonite | tonne | 0.45 | 2885.24 | 1298.36 | |
| 9999 | Sundries | L.S. | 593.48 | 1.80 | 1068.26 | |
| | MACHINERY: | | | | | |
| 0024 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.77 | 34000.00 | 26180.00 | |
| 0025 | Hire and running charges of light crane | day | 0.10 | 2500.00 | 250.00 | |
| 0026 | Hire and running charges of bentonite pump | day | 0.96 | 4200.00 | 4032.00 | |
| 0018 | Hire and running charges of loader | day | 0.75 | 6000.00 | 4500.00 | |
| 0017 | Hire and running charges of tipper | day | 0.75 | 1800.00 | 1350.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.25 | 322.00 | 80.50 | |
| 114 | Beldar | day | 5.00 | 254.00 | 1270.00 | |
| | TOTAL | | | | 121771.86 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 400.29 | |
| | TOTAL | | | | 122172.15 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 5680.33 | |
| | TOTAL | | | | 127852.48 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 6916.46 | |
| | Cost of 9 metre | | | | 134768.94 | |
| | Cost of 1 metre | | | | 14974.33 | |
| | labour cess @1% | | | | 149.74 | |
| | Say | | | | **15124.10** | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **20.3** | **Boring, providing and installing cast in situ single under reamed diameter and length below pile cap in M-25 cement concrete, to carry a safe workingpiles of specified load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap).** | | | | | |
| **20.3.1** | **300 mm dia piles.** | | | | | |
| | Details of cost for 10 metres. | | | | | |
| | MATERIAL: | | | | | |
| | R.C.C | | | | | |
| | Stem -3.14/4x(0.30)²x9.625 = 0.680 cum | | | | | |
| | Bulb -3.14/4x(0.75)²x0.075 = 0.033 cum | | | | | |
| | 2x 3.14/4x(0.525)²x0.150 = 0.065 cum | | | | | |
| | =0.778 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 0.78 | 5141.05 | 3999.74 | A |
| 7183 | Bentonite | tonne | 0.08 | 2885.24 | 230.82 | |
| 9999 | Sundries | L.S. | 410.90 | 1.80 | 739.62 | |
| | MACHINERY: | | | | | |
| 24 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.36 | 34000.00 | 12240.00 | |
| 25 | Hire and running charges of light crane | day | 0.03 | 2500.00 | 75.00 | |
| 26 | Hire and running charges of bentonite pump | day | 0.02 | 4200.00 | 84.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.08 | 322.00 | 25.76 | |
| 114 | Beldar | day | 2.00 | 254.00 | 508.00 | |
| | TOTAL | | | | 17902.94 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 139.03 | |
| | TOTAL | | | | 18041.97 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1972.93 | |
| | TOTAL | | | | 20014.90 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 2402.27 | |
| | Cost of 10 metre | | | | 22417.18 | |
| | Cost of 1 metre | | | | 2241.72 | |
| | labour cess @1% | | | | 22.42 | |
| | Say | | | | **2264.10** | |
| **20.3.2** | **400 mm dia piles.** | | | | | |
| | Details of cost for 10 metres. | | | | | |
| | MATERIAL: | | | | | |
| | R.C.C | | | | | |
| | Stem -3.14/4x(0.40)²x9.30 = 1.169 cum | | | | | |
| | Bulb -3.14/4x(1.00)²x0.1 = 0.079 cum | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 2x 3.14/4x(0.7)²x0.30 = 0.23 cum<br>= 1.478 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 1.48 | 5141.05 | 7598.48 | A |
| 7183 | Bentonite | tonne | 0.15 | 2885.24 | 432.79 | |
| 9999 | Sundries | L.S. | 276.82 | 1.80 | 498.28 | |
| | MACHINERY: | | | | | |
| 24 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.36 | 34000.00 | 12240.00 | |
| 25 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| 26 | Hire and running charges of bentonite pump | day | 0.02 | 4200.00 | 84.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.08 | 322.00 | 25.76 | |
| 114 | Beldar | day | 2.00 | 254.00 | 508.00 | |
| | TOTAL | | | | 21537.30 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 139.39 | |
| | TOTAL | | | | 21676.69 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1977.99 | |
| | TOTAL | | | | 23654.67 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 2408.43 | |
| | Cost of 10 metre | | | | 26063.10 | |
| | Cost of 1 metre | | | | 2606.31 | |
| | labour cess @1% | | | | 26.06 | |
| | Say | | | | **2632.40** | |
| **20.3.3** | **450 mm dia piles.** | | | | | |
| | Details of cost for 10 metres. | | | | | |
| | MATERIAL: | | | | | |
| | R.C.C | | | | | |
| | Stem -3.14/4x(0.45)²x9.212 = 1.465 cum | | | | | |
| | Bulb -3.14/4x(1.125)²x0.113 = 0.112 cum | | | | | |
| | 2x 3.14/4x(0.788)²x0.337 =0.329 cum | | | | | |
| | = 1.906 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 1.91 | 5141.05 | 9798.85 | A |
| 7183 | Bentonite | tonne | 0.19 | 2885.24 | 548.20 | |
| 9999 | Sundries | L.S. | 194.81 | 1.80 | 350.66 | |
| | MACHINERY: | | | | | |
| 24 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.36 | 34000.00 | 12240.00 | |
| 25 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| 26 | Hire and running charges of bentonite pump | day | 0.02 | 4200.00 | 84.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.08 | 322.00 | 25.76 | |
| 114 | Beldar | day | 2.00 | 254.00 | 508.00 | |
| | TOTAL | | | | 23705.46 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 139.07 | |
| | TOTAL | | | | 23844.53 | (X) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1973.42 | |
| | TOTAL | | | | 25817.94 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 2402.86 | |
| | Cost of 10 metre | | | | 28220.81 | |
| | Cost of 1 metre | | | | 2822.08 | |
| | labour cess @1% | | | | 28.22 | |
| | Say | | | | **2850.30** | |
| **20.3.4** | **550 mm dia piles.** | | | | | |
| | Details of cost for 10 metres. | | | | | |
| | MATERIAL: | | | | | |
| | R.C.C | | | | | |
| | Stem -3.14/4x(0.50)²x9.125 = 1.792 cum | | | | | |
| | Bulb -3.14/4x(1.25)²x0.125 = 0.153 cum | | | | | |
| | 2x 3.14/4x(0.875)²x0.375 = 0.451 cum | | | | | |
| | = 2.396 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 2.40 | 5141.05 | 12338.53 | A |
| 7183 | Bentonite | tonne | 0.20 | 2885.24 | 577.05 | |
| 9999 | Sundries | L.S. | 208.15 | 1.80 | 374.67 | |
| | MACHINERY: | | | | | |
| 24 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.36 | 34000.00 | 12240.00 | |
| 25 | Hire and running charges of light crane | day | 0.06 | 2500.00 | 150.00 | |
| 26 | Hire and running charges of bentonite pump | day | 0.02 | 4200.00 | 84.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.08 | 322.00 | 25.76 | |
| 114 | Beldar | day | 2.00 | 254.00 | 508.00 | |
| | TOTAL | | | | 26298.00 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 139.59 | |
| | TOTAL | | | | 26437.60 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 1980.92 | |
| | TOTAL | | | | 28418.52 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 2412.00 | |
| | Cost of 10 metre | | | | 30830.52 | |
| | Cost of 1 metre | | | | 3083.05 | |
| | labour cess @1% | | | | 30.83 | |
| | Say | | | | **3113.90** | |
| **23.3A.1** | **Making 25 cm (10") dia bore up to 4 mtr depth below ground with hand auger of approved quality in ordinary soi! (vide classification of soil item A ) true to plumb and without eccentri city in any stage of operation and disposal of the excavated earth up to 50 mtr , Lead in eluding all lifts , all complete as per approved disign and direction of E/I Details of cost for 4 piles of 4 m= 16 mtrs depth )** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Materials: | | | | |
| (0L71) | (i)Skilled labour for queding auger | per day | 1 | 322.00 | 322.00 |
| (101) | (ii)Semi skilled labour for cutting barih by hand auger | per day | 4 | 277.00 | 1108.00 |
| (0L01) | (iii)Unskilled labour for carrying water | per day | 1.00 | 254.00 | 254.00 |
| (9999) | Hire charge and sundries L.S. | 1 time | 52.00 | 1.80 | 93.60 |
| | Total | | | | 1777.60 |
| | Add Water Charges @ 1% | | | | 17.776 |
| | TOTAL | | | | 1795.38 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 252.25 |
| | TOTAL | | | | 2047.63 (Y) |
| | Add for contractors profit and over-heads @ 15% | | | | 307.14 |
| | Cost of 16 meter | | | | 2354.77 |
| | Cost of 1 meter | | | | 147.17 |
| | Add labour cess @ 1% | | | | 1.47 |
| | Rate including labour cess | | | | 148.64 |
| | | | **Say** | **148.600** | **per meter** |
| **23.3A.2** | **63 CM (25) UNDER -REAM Making 63 cm (25) dia under ream at required with hand auger of approved quality in ordinary soil (vide classification of soil ifem - A) true to plumb and without eccentri city in my stage of opration and disposal of the excavated earth up to 50 mts lead in eluding all lifts , all complete as per approved design and direction of (E/I)** | | | | |
| | Details of cost for: Assuming 15 Nos reams | | | | |
| | Materials: | | | | |
| (0L71) | (i)Skilled labour for queding auger | per day | 1.00 | 322.00 | 322.00 |
| (101) | (ii)Semi skilled labour for cutting barth by hand auger | per day | 4.00 | 277.00 | 1108.00 |
| (0L01) | (iii)Unskilled labour for carrying water | per day | 1.00 | 254.00 | 254.00 |
| (9999) | Hire charge and sundries L.S. | 1 time | 52.00 | 1.80 | 93.60 |
| | | | | | 1777.60 |
| | Add Water Charges @ 1% | | | | 17.776 |
| | TOTAL | | | | 1795.38 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 252.25 |
| | TOTAL | | | | 2047.63 (Y) |
| | Add for contractors profit and over-heads @ 15% | | | | 307.14 |
| | Cost of 15 each | | | | 2354.77 |
| | Cost of 1 each | | | | 156.98 |
| | Add labour cess @ 1% | | | | 1.57 |
| | Rate including labour cess | | | | 158.55 |
| | | | **Say** | **158.600** | **each** |
| **20.4** | **Extra for providing additional bulb in under reamed piles, under specified dia meter (Only the quantity of extra bulbs are to be paid).** | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **20.4.1** | **300 mm dia piles.** | | | | | |
| | Details of cost for 1 bulb. | | | | | |
| | MATERIAL: | | | | | |
| | Bulb - 0.033 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 0.033 | 5141.05 | 169.65 | A |
| 7183 | Bentonite | tonne | 0.003 | 2885.24 | 8.66 | |
| | MACHINERY: | | | | | |
| 24 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.02 | 34000.00 | 680.00 | |
| 25 | Hire and running charges of light crane | day | 0.01 | 2500.00 | 25.00 | |
| 26 | Hire and running charges of bentonite pump | day | 0.01 | 4200.00 | 42.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 0L71 | Mistry | day | 0.02 | 322.00 | 6.44 | |
| 114 | Beldar | day | 1 | 254.00 | 254.00 | |
| | TOTAL | | | | 1185.75 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 10.16 | |
| | TOTAL | | | | 1195.91 | (X) |
| | Add GST 12% on "X" except on A | | | | 144.19 | |
| | TOTAL | | | | 1340.10 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 175.57 | |
| | Cost of each | | | | 1515.67 | |
| | labour cess @1% | | | | 15.16 | |
| | Say | | | | **1530.80** | |
| **20.4.2** | **400 mm dia piles.** | | | | | |
| | Details of cost for 1 bulb. | | | | | |
| | MATERIAL: | | | | | |
| | Bulb - 0.063 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 0.06 | 5141.05 | 323.89 | A |
| 7183 | Bentonite | tonne | 0.01 | 2885.24 | 17.31 | |
| | MACHINERY: | | | | | |
| 24 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.02 | 34000.00 | 680.00 | |
| 25 | Hire and running charges of light crane | day | 0.01 | 2500.00 | 25.00 | |
| 26 | Hire and running charges of bentonite pump | day | 0.01 | 4200.00 | 42.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 130 | Mistry | day | 0.02 | 322.00 | 6.44 | |
| 114 | Beldar | day | 1.00 | 254.00 | 254.00 | |
| | TOTAL | | | | 1348.64 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 10.25 | |
| | TOTAL | | | | 1358.89 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 145.42 | |
| | TOTAL | | | | 1504.30 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 177.06 | |
| | Cost of each | | | | 1681.37 | |
| | labour cess @1% | | | | 16.81 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Say | | | | **1698.20** | |
| **20.4.3** | **450 mm dia piles.** | | | | | |
| | Details of cost for 1 bulb. | | | | | |
| | MATERIAL: | | | | | |
| | Bulb-0.081 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 0.08 | 5141.05 | 416.43 | A |
| 7183 | Bentonite | tonne | 0.01 | 2885.24 | 23.08 | |
| | MACHINERY: | | | | | |
| 24 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.02 | 34000.00 | 680.00 | |
| 25 | Hire and running charges of light crane | day | 0.01 | 2500.00 | 25.00 | |
| 26 | Hire and running charges of bentonite pump | day | 0.01 | 4200.00 | 42.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 130 | Mistry | day | 0.02 | 322.00 | 6.44 | |
| 114 | Beldar | day | 1.00 | 254.00 | 254.00 | |
| | TOTAL | | | | 1446.95 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 10.31 | |
| | TOTAL | | | | 1457.25 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 146.24 | |
| | TOTAL | | | | 1603.49 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 178.06 | |
| | Cost of each | | | | 1781.55 | |
| | labour cess @1% | | | | 17.82 | |
| | Say | | | | **1799.40** | |
| **20.4.4** | **450 mm dia piles.** | | | | | |
| | Details of cost for 1 bulb. | | | | | |
| | MATERIAL: | | | | | |
| | Bulb-0.102 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 0.10 | 5141.05 | 524.39 | A |
| 7183 | Bentonite | tonne | 0.01 | 2885.24 | 28.85 | |
| | MACHINERY: | | | | | |
| 24 | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site | day | 0.02 | 34000.00 | 680.00 | |
| 25 | Hire and running charges of light crane | day | 0.01 | 2500.00 | 25.00 | |
| 26 | Hire and running charges of bentonite pump | day | 0.02 | 4200.00 | 84.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 130 | Mistry | day | 0.02 | 322.00 | 6.44 | |
| 114 | Beldar | day | 1.00 | 254.00 | 254.00 | |
| | TOTAL | | | | 1602.68 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 10.78 | |
| | TOTAL | | | | 1613.46 | (X) |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 153.02 | |
| | TOTAL | | | | 1766.48 | (Y) |
| | Add CPOH @ 15% on "Y' except on A i.e on | | | | 186.31 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost of each | | | | 1952.79 | |
| | labour cess @1% | | | | 19.53 | |
| | Say | | | | **1972.30** | |
| **20.5** | **Providing, driving and installing driven Pre-cast reinforced of specified diameter and length below the pile cap in M-25 cement concrete tocement concrete piles carry safe working load not less than specified. With a central through preformed hole with M.S. black pipe of dia, 40 mm for grouting with cement sand grouting of mix 1:2 (1 cement : 2 coarse sand) under sufficient positive pressure to ensure complete filling including centring, shuttering, driving and removing the steel casing pipe and lifting casing etc. complete but excluding the cost of steel reinforcement.(Length of pile for payment shall be measured from top of the shoe to the bottom of pile cap).** | | | | | |
| **20.5.1** | **400 mm dia piles.** | | | | | |
| | Details of cost for 20 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete -3.14/4x(0.40)²x20 = 2.51 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 2.51 | 5141.05 | 12904.04 | A |
| | Add | | | | | |
| 5.19 | Rate as per Item Number 5.19 of SH: Reinforced cement concrete work | cum | 2.51 | 8114.24 | 20366.74 | A |
| | Deduct | | | | | |
| 5.1.3 | Rate as per Item Number 5.1.3 of SH: Reinforced concrete work | cum | -2.51 | 4302.34 | -10798.88 | A |
| | Cement mortar 1:2 for grout | | | | | |
| 2111 | Rate as per Item Number 3.7 of SH: Mortars | cum | 0.03 | 4157.64 | 103.94 | |
| 9999 | Sundries | L.S. | 442.00 | 1.80 | 795.60 | |
| 7181 | C.I. pile shoe @ 80 kg per pile | kilogram | 80.00 | 46.54 | 3722.89 | |
| 7182 | M.S. clamps for pile shoe @35 kg per pile | kilogram | 35.00 | 41.88 | 1465.89 | |
| | MACHINERY: | | | | | |
| 27 | Hire and running charges of vibrating pile driving hammer complete with power unit and accessories | day | 0.38 | 35000.00 | 13300.00 | |
| 28 | Hire and running charges of crane 20 tonne capacity | day | 0.06 | 9300.00 | 558.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 130 | Mistry | day | 0.12 | 322.00 | 38.64 | |
| 114 | Beldar | day | 3.00 | 254.00 | 762.00 | |
| | TOTAL "A" | | | | 22471.90 | |
| | TOTAL | | | | 43218.87 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 207.47 | |
| | TOTAL | | | | 43426.33 | |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 2944.10 | |
| | TOTAL | | | | 46370.43 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 3584.78 | |
| | Cost of 20 metre | | | | 49955.21 | |
| | Cost of 1 metre | | | | 2497.76 | |
| | labour cess @1% | | | | 24.98 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Say | | | | **2522.70** | |
| **20.5.2** | **450 mm dia piles.** | | | | | |
| | Details of cost for 20 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete -3.14/4x(0.45)²x20 = 3.18 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 3.18 | 5141.05 | 16348.55 | A |
| | Add | | | | | |
| 5.19 | Rate as per Item Number 5.19 of SH: Reinforced cement concrete work | cum | 3.18 | 8114.24 | 25803.29 | A |
| | Deduct | | | | | |
| 5.1.3 | Rate as per Item Number 5.1.3 of SH: Reinforced cement concrete work | cum | -3.18 | 4302.34 | -13681.46 | A |
| | Cement mortar 1:2 for grout | | | | | |
| 3.7 | Rate as per Item Number 3.7 of SH: Mortars | cum | 0.03 | 4157.64 | 103.94 | |
| 9999 | Wooden block @ 1 block per two piles | L.S. | 442.00 | 1.80 | 795.60 | |
| 7181 | C.I. pile shoe @ 80 kg per pile | kilogram | 80.00 | 46.54 | 3722.89 | |
| 7182 | M.S. clamps for pile shoe @ 35 kg per pile | kilogram | 35.00 | 41.88 | 1465.89 | |
| | MACHINERY: | | | | | |
| 27 | Hire and running charges of vibrating pile driving hammer complete with power unit and accessories | day | 0.38 | 35000.00 | 13300.00 | |
| 28 | Hire and running charges of crane 20 tonne capacity | day | 0.06 | 9300.00 | 558.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 130 | Mistry | day | 1.08 | 322.00 | 347.76 | |
| 114 | Beldar | day | 10.78 | 254.00 | 2738.12 | |
| | TOTAL "A" | | | | 28470.38 | |
| | TOTAL | | | | 51502.58 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 230.32 | |
| | TOTAL | | | | 51732.90 | |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 3268.38 | |
| | TOTAL | | | | 55001.29 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 3979.64 | |
| | Cost of 20 metre | | | | 58980.92 | |
| | Cost of 1 metre | | | | 2949.05 | |
| | labour cess @1% | | | | 29.49 | |
| | Say | | | | **2978.50** | |
| **20.5.3** | **500 mm dia piles.** | | | | | |
| | Details of cost for 20 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete -3.14/4x(0.50)²x20 = 3.925 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 3.925 | 5141.05 | 20178.63 | A |
| | Add | | | | | |
| 5.19 | Rate as per Item Number 5.19 of SH: Reinforced cement concrete work | cum | 3.925 | 8114.240921 | 31848.40 | A |
| | Deduct | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 5.1.3 | Rate as per Item Number 5.1.3 of SH: Reinforced cement concrete work Cement mortar 1:2 for grout | cum | -3.925 | 4302.34 | -16886.70 | A |
| 3.7 | Rate as per Item Number 3.7 of SH: Mortars | cum | 0.025 | 4157.64 | 103.94 | |
| 9999 | Wooden block @ 1 block per two piles | L.S. | 442 | 1.80 | 795.60 | |
| 7181 | C.I. pile shoe @ 80 kg per pile | kilogram | 80 | 46.53617021 | 3722.89 | |
| 7182 | M.S. clamps for pile shoe @ 35 kg per pile | kilogram | 35 | 41.88255319 | 1465.89 | |
| | MACHINERY: | | | | | |
| 27 | Hire and running charges of vibrating pile driving hammer complete with power unit and accessories | day | 0.38 | 35000.00 | 13300.00 | |
| 28 | Hire and running charges of crane 20 tonne capacity | day | 0.06 | 9300.00 | 558.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 130 | Mistry | day | 0.12 | 322 | 38.64 | |
| 114 | Beldar | day | 3 | 254 | 762.00 | |
| | TOTAL "A" | | | | 35140.32 | |
| | TOTAL | | | | 55887.29 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 207.47 | |
| | TOTAL | | | | 56094.76 | |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 2944.10 | |
| | TOTAL | | | | 59038.86 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 3584.78 | |
| | **Cost of 20 metre** | | | | **62623.63** | |
| | Cost of 1 metre | | | | 3131.18 | |
| | labour cess @1% | | | | 31.31 | |
| | Say | | | | **3162.50** | |
| **20.5.4** | **550 mm dia piles.** | | | | | |
| | Details of cost for 20 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete -3.14/4x(0.55)²x20 = 4.75 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 4.75 | 5141.05 | 24420.00 | A |
| | Add | | | | | |
| 5.19 | Rate as per Item Number 5.19 of SH: Reinforced cement concrete work | cum | 4.75 | 8114.24 | 38542.64 | A |
| | Deduct | | | | | |
| 5.1.3 | Rate as per Item Number 5.1.3 of SH: Reinforced cement concrete work Cement mortar 1:2 for grout | cum | -4.75 | 4302.34 | -20436.14 | A |
| 3.7 | Rate as per Item Number 3.7 of SH: Mortars | cum | 0.025 | 4157.64 | 103.94 | |
| 9999 | Wooden block @ 1 block per two piles | L.S. | 442 | 1.80 | 795.60 | |
| 7181 | C.I. pile shoe @ 80 kg per pile | kilogram | 80 | 46.54 | 3722.89 | |
| 7182 | M.S. clamps for pile shoe @ 35 kg per pile | kilogram | 35 | 41.88 | 1465.89 | |
| | MACHINERY: | | | | | |
| 27 | Hire and running charges of vibrating pile | day | 0.38 | 35000.00 | 13300.00 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | driving hammer complete with power unit and accessories | | | | | |
| 28 | Hire and running charges of crane 20 tonne capacity | day | 0.06 | 9300.00 | 558.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 130 | Mistry | day | 0.12 | 322 | 38.64 | |
| 114 | Beldar | day | 3 | 254 | 762.00 | |
| | TOTAL "A" | | | | 42526.51 | |
| | TOTAL | | | | 63273.47 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 207.47 | |
| | TOTAL | | | | 63480.94 | |
| | Add GST 12% on "X" except on A (multiplying factor 0.1405) | | | | 2944.10 | |
| | TOTAL | | | | 66425.04 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 3584.78 | |
| | Cost of 20 metre | | | | 70009.82 | |
| | Cost of 1 metre | | | | 3500.49 | |
| | labour cess @1% | | | | 35.00 | |
| | Say | | | | **3535.50** | |
| **20.5.5** | **750 mm dia piles.** | | | | | |
| | Details of cost for 20 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete -3.14/4x(0.75)²x20 = 10.88 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 10.88 | 5141.05 | 55934.65 | A |
| | Add | | | | | |
| 5.19 | Rate as per Item Number 5.19 of SH: Reinforced cement concrete work | cum | 10.88 | 8114.240921 | 88282.94 | A |
| | Deduct | | | | | |
| 5.1.3 | Rate as per Item Number 5.1.3 of SH: Reinforced cement concrete work | cum | -10.88 | 4302.34 | -46809.51 | A |
| | Cement mortar 1:2 for grout | | | | | |
| 3.7 | Rate as per Item Number 3.7 of SH: Mortars | cum | 0.025 | 4157.64 | 103.94 | |
| 9999 | Wooden block @ 1 block per two piles | L.S. | 442 | 1.80 | 795.60 | |
| 7181 | C.I. pile shoe @ 80 kg per pile | kilogram | 80 | 46.53617021 | 3722.89 | |
| 7182 | M.S. clamps for pile shoe @ 35 kg per pile | kilogram | 35 | 41.88255319 | 1465.89 | |
| | MACHINERY: | | | | | |
| 27 | Hire and running charges of vibrating pile driving hammer complete with power unit and accessories | day | 0.38 | 35000.00 | 13300.00 | |
| 28 | Hire and running charges of crane 20 tonne capacity | day | 0.06 | 9300.00 | 558.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 130 | Mistry | day | 0.12 | 322 | 38.64 | |
| 114 | Beldar | day | 3 | 254 | 762.00 | |
| | TOTAL "A" | | | | 97408.08 | |
| | TOTAL | | | | 118155.05 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 207.47 | |
| | TOTAL | | | | 118362.52 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add GST 12% on "X" except on A | | | | 2944.10 | |
| | (multiplying factor 0.1405) | | | | | |
| | TOTAL | | | | 121306.61 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 3584.78 | |
| | Cost of 20 metre | | | | 124891.39 | |
| | Cost of 1 metre | | | | 6244.57 | |
| | labour cess @1% | | | | 62.45 | |
| | Say | | | | **6307.00** | |
| **20.5.6** | **1000mm dia piles.** | | | | | |
| | Details of cost for 20 m length of pile. | | | | | |
| | MATERIAL: | | | | | |
| | Concrete -3.14/4x(1.00)²x20 =15.70 cum | | | | | |
| 5.33.1 | Rate as per Item Number 5.33.1 of SH: Reinforced cement concrete work | cum | 15.7 | 5141.05 | 80714.52 | A |
| | Add | | | | | |
| 5.19 | Rate as per Item Number 5.19 of SH: Reinforced cement concrete work | cum | 15.7 | 8114.240921 | 127393.58 | A |
| | Deduct | | | | | |
| 5.1.3 | Rate as per Item Number 5.1.3 of SH: Reinforced cement concrete work | cum | -15.7 | 4302.34 | -67546.81 | A |
| 3.7 | Rate as per Item Number 3.7 of SH: Mortars | cum | 0.025 | 4157.64 | 103.94 | |
| 9999 | Wooden block @ 1 block per two piles | L.S. | 442 | 1.80 | 795.60 | |
| 7181 | C.I. pile shoe @ 80 kg per pile | kilogram | 80 | 46.53617021 | 3722.89 | |
| 7182 | M.S. clamps for pile shoe @ 35 kg per pile | kilogram | 35 | 41.88255319 | 1465.89 | |
| | MACHINERY: | | | | | |
| 27 | Hire and running charges of vibrating pile driving hammer complete with power unit and accessories | day | 0.38 | 35000.00 | 13300.00 | |
| 28 | Hire and running charges of crane 20 tonne capacity | day | 0.06 | 9300.00 | 558.00 | |
| | LABOUR: | | | | | |
| | Work supervisor | | | | | |
| 130 | Mistry | day | 0.12 | 322 | 38.64 | |
| 114 | Beldar | day | 3 | 254 | 762.00 | |
| | TOTAL "A" | | | | 140561.29 | |
| | TOTAL | | | | 161308.26 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 207.47 | |
| | TOTAL | | | | 161515.73 | |
| | Add GST 12% on "X" except on A | | | | 2944.10 | |
| | (multiplying factor 0.1405) | | | | | |
| | TOTAL | | | | 164459.83 | (Y) |
| | Add CPOH @ 15% except on A i.e on | | | | 3584.78 | |
| | Cost of 20 metre | | | | 168044.61 | |
| | Cost of 1 metre | | | | 8402.23 | |
| | labour cess @1% | | | | 84.02 | |
| | Say | | | | **8486.30** | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **20.6** | **Vertical load testing of piles in accordance with IS 2911 (Part IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & the direction of Engineer-in-Charge.** | | | | |
| **20.6.1** | **Single pile upto 50 tonne capacity.** | | | | |
| **20.6.1.1** | **Initial test.** | | | | |
| | Details of cost for 1 test | | | | |
| 7246 | Vertical load testing (initial) of piles in accordance with IS : 2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification and up to 50 tonne capacity pile | per test | 1 | 30900.02 | 30900.017 |
| | TOTAL | | | | 30900.017 |
| | Add Water Charges @ 1% | | | | 309.00 |
| | TOTAL | | | | 31209.02 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 4384.87 |
| | TOTAL | | | | 35593.88 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 5339.08 |
| | Cost per test | | | | 40932.97 |
| | labour cess @1% | | | | 409.33 |
| | Say | | | | **41342.30** |
| **20.6.1.2** | **Routine test.** | | | | |
| | Details of cost for 1 test. | | | | |
| 7249 | **Cyclic vertical load testing of piles in accordance with IS : 2911 (Part-IV) including preparation of pile head etc. for Single pile up to 50 tonne capacity** | per test | 1 | 13960.85 | 13960.8511 |
| | TOTAL | | | | 13960.8511 |
| | Add Water Charges @ 1% | | | | 139.608511 |
| | TOTAL | | | | 14100.46 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1981.11 |
| | TOTAL | | | | 16081.57 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2412.24 |
| | Cost per test | | | | 18493.81 |
| | labour cess @1% | | | | 184.94 |
| | Say | | | | **18678.70** |
| **20.6.2** | **Single pile above 50 tonne and upto 100 tonne capacity.** | | | | |
| **20.6.2.1** | **Initial test.** | | | | |
| | **Details of cost for 1 test.** | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 7247 | **Vertical load testing (initial) of piles in accordance with IS : 2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & above 50 tonne and up to 100 tonne** | per test | 1 | 37508.15 | 37508.1532 |
| | TOTAL | | | | 37508.1532 |
| | Add Water Charges @ 1% | | | | 375.081532 |
| | TOTAL | | | | 37883.23 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 5322.59 |
| | TOTAL | | | | 43205.83 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 6480.87 |
| | Cost per test | | | | 49686.70 |
| | labour cess @1% | | | | 496.87 |
| | Say | | | | **50183.60** |
| **20.6.2.2** | **Routine test.** | | | | |
| | **Details of cost for 1 test.** | | | | |
| 7250 | **Cyclic vertical load testing of piles in accordance with IS : 2911 (Part- IV) including preparation of pile head etc. for Single pile above 50 tonne capacity pile and up to 100 tonne capacity pile** | per test | 1 | 21406.64 | 21406.6383 |
| | TOTAL | | | | 21406.6383 |
| | Add Water Charges @ 1% | | | | 214.066383 |
| | TOTAL | | | | 21620.70 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 3037.71 |
| | TOTAL | | | | 24658.41 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 3698.76 |
| | Cost per test | | | | 28357.18 |
| | labour cess @1% | | | | 283.57 |
| | Say | | | | **28640.70** |
| **20.6.3** | **Group of two or more piles upto 50 tonne capacity.** | | | | |
| **20.6.3.1** | **Initial test.** | | | | |
| | Details of cost for 1 test. | | | | |
| 7248 | Vertical load testing (initial) of piles in accordance with IS : 2911 (Part-IV) including nstallation of loading platform and preparation of pile head orconstruction of test cap and dismantling of test cap after test etc. complete as per specification & group of two or more up to 50 tonne | per test | 1 | 45140.09 | 45140.0851 |
| | TOTAL | | | | 45140.0851 |
| | Add Water Charges @ 1% | | | | 451.400851 |
| | TOTAL | | | | 45591.49 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 6405.60 |
| | TOTAL | | | | 51997.09 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 7799.56 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost per test | | | | 59796.65 |
| | labour cess @1% | | | | 597.97 |
| | Say | | | | **60394.60** |
| **20.6.3.2** | **Routine test.** | | | | |
| | Details of cost for 1 test. | | | | |
| 7251 | Cyclic vertical load testing of piles in accordance with IS : 2911 (Part- IV) including preparation of pile head etc. for Group of two piles up to 50 tonne capacity each | per test | 1 | 27456.34 | 27456.3404 |
| | TOTAL | | | | 27456.3404 |
| | Add Water Charges @ 1% | | | | 274.563404 |
| | TOTAL | | | | 27730.90 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 3896.19 |
| | TOTAL | | | | 31627.10 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 4744.06 |
| | Cost per test | | | | 36371.16 |
| | labour cess @1% | | | | 363.71 |
| | Say | | | | **36734.90** |
| **20.7** | **Cyclic vertical load testing of pile in accordance with IS Code of practice IS:2911 (part IV) including preparation of pile head etc for.** | | | | |
| **20.7.1** | **Single pile.** | | | | |
| **20.7.1.1** | **Upto 50 tonne capacity pile.** | | | | |
| | Details of cost for 1 test. | | | | |
| 7249 | Cyclic vertical load testing of piles in accordance with IS : 2911 (Part-IV) including preparation of pile head etc. for Single pile up to 50 tonne capacity | per test | 1 | 13960.85 | 13960.8511 |
| | TOTAL | | | | 13960.8511 |
| | Add Water Charges @ 1% | | | | 139.61 |
| | TOTAL | | | | 14100.46 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1981.11 |
| | TOTAL | | | | 16081.57 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2412.24 |
| | Cost per test | | | | 18493.81 |
| | labour cess @1% | | | | 184.94 |
| | Say | | | | **18678.70** |
| **20.7.1.2** | **Above 50 tonne and upto 100 tonne capacity pile.** | | | | |
| | Details of cost for 1 test. | | | | |
| 7250 | Cyclic vertical load testing of piles in accordance with IS : 2911 (Part- IV) including preparation of pile head etc. for Single pile above 50 tonne capacity pile and up to 100 tonne capacity pile | per test | 1 | 21406.64 | 21406.6383 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 21406.6383 | |
| | Add Water Charges @ 1% | | | | 214.066383 | |
| | TOTAL | | | | 21620.70 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 3037.71 | |
| | TOTAL | | | | 24658.41 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 3698.76 | |
| | Cost per test | | | | 28357.18 | |
| | labour cess @1% | | | | 283.57 | |
| | Say | | | | **28640.70** | |
| **20.7.2** | **Group of two piles.** | | | | | |
| **20.7.2.1** | **Upto 50 tonne capacity each.** | | | | | |
| | Details of cost for 1 test. | | | | | |
| 7251 | Cyclic vertical load testing of piles in accordance with IS : 2911 (Part- IV) including preparation of pile head etc. for Group of two piles up to 50 tonne capacity each | per test | 1 | 27456.34 | 27456.3404 | |
| | TOTAL | | | | 27456.3404 | |
| | Add Water Charges @ 1% | | | | 274.56 | |
| | TOTAL | | | | 27730.90 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 3896.19 | |
| | TOTAL | | | | 31627.10 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 4744.06 | |
| | Cost per test | | | | 36371.16 | |
| | labour cess @1% | | | | 363.71 | |
| | Say | | | | **36734.90** | |
| **20.8** | **Lateral load testing of single pile in accordance with IS Code of practice IS : 2911 (Part IV) for determining safe allowable lateral load on pile.** | | | | | |
| **20.8.1** | **Upto 50 tonne capacity pile.** | | | | | |
| | Details of cost for 1 test | | | | | |
| 7252 | Lateral load testing of single pile in accordance with IS : 2911 part -IV for determining safe allowable lateral load on pile up to 50 tonne capacity | per test | 1 | 13960.85 | 13960.8511 | |
| | TOTAL | | | | 13960.8511 | |
| | Add Water Charges @ 1% | | | | 139.608511 | |
| | TOTAL | | | | 14100.46 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1981.11 | |
| | TOTAL | | | | 16081.57 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2412.24 | |
| | Cost per test | | | | 18493.81 | |
| | labour cess @1% | | | | 184.94 | |
| | Say | | | | **18678.70** | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **20.8.2** | **Above 50 tonne and upto 100 tonne capacity pile.** | | | | |
| | Details of cost for 1 test. | | | | |
| 7253 | Lateral load testing of single pile in accordance with IS : 2911 part -IV for determining safe allowable lateral load on pile above 50 tonne capacity | per test | 1 | 21965.07 | 21965.0723 |
| | TOTAL | | | | 21965.07 |
| | Add Water Charges @ 1% | | | | 219.65 |
| | TOTAL | | | | 22184.72 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 3116.95 |
| | TOTAL | | | | 25301.68 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 3795.25 |
| | Cost per test | | | | 29096.93 |
| | labour cess @1% | | | | 290.97 |
| | Say | | | | **29387.90** |
| **20.9** | **Integrity testing of Pile using Low Strain/ Sonic Integrity Test/ Sonic Echo method in accordance with IS 14893 including surface preparation of pile top byTe st removing soil, mud, dust & chipping lean concrete lumps etc. and use of computerised eq uipment and high skill trained personal for conducting the test & submission of results, al l complete as per direction of Engineer-in-charge.** | | | | |
| | **Note:- The inclusion of the above item in the sched ule of work shall be judiciously decided by the technical sanctioning authority, kee ping in view the quality control, type of soil strata & importance of the project.** | | | | |
| | Details of cost for one pit test (Ten pits in one day). | | | | |
| | MATERIAL | | | | |
| 0081 | Pile Integrity testing equipment | day | 0.10 | 3000.00 | 300.00 |
| | LABOUR | | | | |
| 0160 | Technician | day | 0.10 | 439.00 | 43.90 |
| 0161 | Helper (Technician) | day | 0.10 | 254.00 | 25.40 |
| | miscllaneous | | | | |
| 9999 | Reporting charges | L.S. | 100.67 | 1.80 | 181.21 |
| 9999 | Transportation and consumables etc. | L.S. | 33.56 | 1.80 | 60.41 |
| | TOTAL | | | | 610.91 |
| | Add Water Charges @ 1% | | | | 6.11 |
| | TOTAL | | | | 617.02 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 86.69 |
| | TOTAL | | | | 703.71 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 105.56 |
| | Cost per test | | | | 809.27 |
| | labour cess @1% | | | | 8.09 |
| | Say | | | | **817.40** |

# SUB HEAD : 21.0

# ALUMINIUM WORK

## BUILDING WORK

# 21.0 Aluminium Work

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **21.1** | **Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight,mitred and jointed mechanically wherever required including cleat angle,Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws,all complete as per architectural drawings and the directions of Engineer-incharge.(Glazing, paneling and dash fasteners to be paid for separately).** | | | | |
| **21.1.1** | **For fixed portion.** | | | | |
| **21.1.1.1** | **Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15).**<br>Details of cost for 40.02 kg.<br>MATERIAL:<br>Aluminium Section<br>(i) External member of the frame (Jindal section no 4605)<br>V = 2x2.40 = 4.80 m<br>H = 2x3x0.95 = 5.70 m<br>= 10.50 m @ 1.653 kg/m = 17.36 kg<br>(ii) Internal member of the frame (Jindal section no 4604)<br>V = 2x2.40 = 4.80 m<br>H = 1x3x0.95 = 2.85 m<br>Total = 7.65 m @ 1.692 kg/m = 12.94 kg<br>(iii) Aluminium snap beading on both side (Jindal section no 4407)<br>2x6x2 (1.14+0.95) = 50.16 m<br>Snap beading = 50.16 m @ 0.176 kg/m = 8.33 kg<br>(iv) Angle cleat 38x38x4.8 mm 50 mm long<br>18x0.05 = 0.900 m @ 0.985 kg/m = 0.89 kg<br>Sub total =40.02 kg<br>Add 5% wastage = 2.00 kg<br>Total = 42.02 kg | | | | |
| 7306 | Aluminium T or L sections<br>(v) C.P. brass /stainless steel screws 20 mm for cleat angle 18x4 = 72 Nos | kilogram | 42.02 | 186.14 | 7821.80 |
| 589 | Chromium plated Brass screws 20 mm<br>(vi) | 100 nos | 72.00 | 158.22 | 113.92 |
| 7389 | Anodising 15 microns on aluminium sections<br>(vii) | kilogram | 42.02 | 37.23 | 1564.36 |
| 9999 | Carriage of material<br>LABOUR:<br>For fabrication of frame | L.S. | 52.00 | 1.80 | 93.60 |
| 116 | Fitter (grade 1) | day | 2.00 | 348.00 | 696.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 1.00 | 305.00 | 305.00 |
| 114 | Beldar | day | 1.00 | 254.00 | 254.00 |
| 100 | Bandhani | day | 0.05 | 270.00 | 13.50 |
| 9999 | Labour for drilling holes, hire charges of drill, electricity charges, carriage of dash hold fastners and sundries | L.S. | 100.00 | 1.80 | 180.00 |
| | TOTAL | | | | 11042.18 |
| | Add Water Charges @ 1% | | | | 110.42 |
| | TOTAL | | | | 11152.60 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1566.94 |
| | TOTAL | | | | 12719.54 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1907.93 |
| | Cost of 40.02 kg | | | | 14627.47 |
| | Cost of 1 kg | | | | 365.50 |
| | Add labour cess @1% | | | | 3.66 |
| | **Rate** | **per Kg** | | | **369.20** |
| **21.1.1.2** | **Powder coated aluminium (minimum thickness of powder coating 50 micron).** | | | | |
| | Details of cost for 40.02 kg. | | | | |
| | MATERIAL: | | | | |
| | Aluminium Section | | | | |
| | (i) External member of the frame (Jindal section no 4605) | | | | |
| | V= 2x2.40 = 4.80 m | | | | |
| | H = 2x3x0.95 = 5.70 m | | | | |
| | = 10.50 m @ 1.653 kg/m = 17.36 kg | | | | |
| | (ii) Internal member of the frame (Jindal section no 4604) | | | | |
| | V= 2x2.40 = 4.80 m | | | | |
| | H= 1x3x0.95= 2.85 m | | | | |
| | Total = 7.65 m @ 1.692 kg/m = 12.94 kg | | | | |
| | (iii) Aluminium snap beading on both side (Jindal section no 4407) | | | | |
| | 2x6x2 (1.14+0.95) = 50.16 m | | | | |
| | Snap beading = 50.16 m @ 0.176 kg/m = 8.33 kg | | | | |
| | (iv) Angle cleat 38x38x4.8 mm 50 mm long | | | | |
| | 18x0.05 = 0.900 m @ 0.985 kg/m = 0.89 kg | | | | |
| | Sub total =40.02 kg | | | | |
| | Add 5% wastage = 2.00 kg | | | | |
| | Total = 42.02 kg | | | | |
| 7306 | Aluminium T or L sections | kilogram | 42.02 | 186.1447 | 7821.80 |
| | (v) C.P. brass /stainless steel screws 20 mm for cleat angle 18x4 = 72 Nos | | | | |
| 589 | Chromium plated Brass screws 20 mm | 100 nos | 72 | 158.223 | 113.92 |
| | (vi) Epoxy | | | | |
| 7392 | Powder coating 50 microns on aluminium sections | kilogram | 42.02 | 59.57 | 2502.98 |
| | (vii) | | | | |
| 9999 | Carriage of material | L.S. | 52 | 1.8 | 93.60 |
| | LABOUR: | | | | |
| | For fabrication of frame | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 116 | Fitter (grade 1) | day | 2 | 348.00 | 696.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 1 | 305.00 | 305.00 |
| 114 | Beldar | day | 1 | 254.00 | 254.00 |
| 100 | Bandhani | day | 0.05 | 270.00 | 13.50 |
| 9999 | Labour for drilling holes, hire charges of drill, electricity charges, carriage of dash hold fastners and sundries | L.S. | 100 | 1.80 | 180.00 |
| | TOTAL | | | | 11980.80 |
| | Add Water Charges @ 1% | | | | 119.81 |
| | TOTAL | | | | 12100.60 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1700.13 |
| | TOTAL | | | | 13800.74 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2070.11 |
| | Cost of 40.02 kg | | | | 15870.85 |
| | Cost of 1 kg | | | | 396.57 |
| | Add labour cess @1% | | | | 3.97 |
| | **Rate** | **per Kg** | | | **400.50** |

**21.1.1.3 Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron).**

Details of cost for 40.02 kg.
MATERIAL:
Aluminium Section
(i) External member of the frame (Jindal section no 4605)
V= 2x2.40 = 4.80 m
H = 2x3x0.95 = 5.70 m
= 10.50 m @ 1.653 kg/m = 17.36 kg
(ii) Internal member of the frame (Jindal section no 4604)
V= 2x2.40 = 4.80 m
H= 1x3x0.95= 2.85 m
= 7.65 m @ 1.692 kg/m = 12.94 kg
(iii) Aluminium snap beading on both side (Jindal section no 4407)
2x6x2 (1.14+0.95) = 50.16 m
Snap beading = 50.16 m @ 0.176 kg/m = 8.33 kg
(iv) Angle cleat 38x38x4.8 mm 50 mm long
18x0.05 = 0.900 m @ 0.985 kg/m = 0.89 kg
Sub total =40.02 kg
Add 5% wastage = 2.00 kg
Total = 42.02 kg

| | | | | | |
|---|---|---|---|---|---|
| 7306 | Aluminium T or L sections | kilogram | 42.02 | 186.14 | 7821.80 |
| | (v) C.P. brass /stainless steel screws 20 mm for cleat angle 18x4 = 72 Nos | | | | |
| 589 | Chromium plated Brass screws 20 mm | 100 nos | 72.00 | 158.22 | 113.92 |
| | (vi) | | | | |
| 7393 | Polyester powder coating 50 microns on aluminium sections | kilogram | 42.02 | 65.15 | 2737.63 |
| | (vii) | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 9999 | Carriage of material | L.S. | 52.00 | 1.80 | 93.60 |
| | LABOUR: | | | | |
| 116 | Fitter (grade 1) | day | 2.00 | 348.00 | 696.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 1.00 | 305.00 | 305.00 |
| 114 | Beldar | day | 1.00 | 254.00 | 254.00 |
| 100 | Bandhani | day | 0.05 | 270.00 | 13.50 |
| 9999 | Labour for drilling holes, hire charges of drill, electricity charges, carriage of dash hold fastners and sundries | L.S. | 100.00 | 1.80 | 180.00 |
| | TOTAL | | | | 12215.45 |
| | Add Water Charges @ 1% | | | | 122.15 |
| | TOTAL | | | | 12337.60 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1733.43 |
| | TOTAL | | | | 14071.04 (Y) |
| | Add CPOH @ 15% | | | | 2110.66 |
| | Cost of 40.02 kg | | | | 16181.69 |
| | Cost of 1 kg | | | | 404.34 |
| | Add labour cess @1% | | | | 4.04 |
| | **Rate** | **per Kg** | | | **408.40** |

**21.1.2 For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall bepaid for separately).**

**21.1.2.1 Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)**

Details of cost for 20.21 kg.
MATERIAL:
(i) Hanging style (Jindal section no 4524)
1x2.35 = 2.35 m @ 2.53 kg/m = 5.95 kg
(ii) Meeting style (Jindal section no 4526)
1x2.35 = 2.35 m @ 2.465 kg/m = 5.79 kg
(iii) Top & bottom rail (Jindal section no 4510)
2x0.75 = 1.50 m @ 2.48 kg/m = 3.72 kg
(iv) Lock rail (Jindal section no 4524)
1x0.75 = 0.75 m @ 2.53 kg/m = 1.90 kg
(v) Glazing plate (Jindal section no 440) on one side of lock rail
1x0.75 = 0.75 m @ 0.459 kg/m = 0.34 kg
(vi) Aluminium snap beading (Jindal section no 4497) on both side
2x2 (0.75+1.26) = 8.04 m
2x2 (0.75+0.81) = 6.24 m
= 14.28 m @ 0.176 kg/m = 2.51 kg
(vii) Aluminium angle cleat 38x38x4.8 mm

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | 35 mm long<br>3x4x0.035 = 0.42 m @ 0.985 kg/m = 0.41 kg<br>Sub total = 20.62 kg<br>Add 5% wastage = 1.03 kg<br>Total = 21.65 kg | | | | |
| 7306 | Aluminium T or L sections (viii) | kilogram | 21.65 | 186.1447 | 4030.03 |
| 689 | Anodised Aluminium butt hinges 100x 75x4 mm (ix) C.P. brass /stainless steel screws 20 mm<br>For cleat 12x4 = 48<br>For cleat 4x8 = 32<br>For glazing plate @ 15 cm centre to centre in 75 cm length 2x6 = 12 | 10 Nos | 4 | 372.29 | 148.92 |
| 0589 | Total = 92 Nos<br>Chromium plated Brass screws 20 mm (x) | 100 nos | 92 | 158.223 | 145.57 |
| 7389 | Anodising 15 microns on aluminium sections (xi) | kilogram | 21.65 | 37.23 | 806.01 |
| 9999 | Carriage of material<br>(xii) Neoprene/ EPDM gasket in groove of meeting style | L.S. | 31.2 | 1.80 | 56.16 |
| 7390 | Neoprene/EPDM rubber gasket<br>LABOUR: | metre | 2.35 | 18.61 | 43.74 |
| 116 | Fitter (grade 1) | day | 1 | 348.00 | 348.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 1 | 305.00 | 305.00 |
| 114 | Beldar | day | 0.5 | 254.00 | 127.00 |
| 100 | Bandhani<br>For fixing the shutter including hinges | day | 0.4 | 270.00 | 108.00 |
| 111 | Carpenter 1 st class | day | 0.2 | 342.00 | 68.40 |
| 114 | Beldar | day | 0.5 | 254.00 | 127.00 |
| 9999 | Labour for making provision for fittings and carriage of screws etc. including sundries | L.S. | 50 | 1.80 | 90.00 |
| | TOTAL | | | | 6403.82 |
| | Add Water Charges @ 1% | | | | 64.04 |
| | TOTAL | | | | 6467.86 |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 908.73 |
| | TOTAL | | | | 7376.60 (Y) |
| | Add CPOH @ 15% | | | | 1106.49 |
| | Cost of 20.21 kg | | | | 8483.09 |
| | Cost of 1 kg | | | | 419.75 |
| | Add labour cess @1% | | | | 4.20 |
| | **Rate** | **per Kg** | | | **423.90** |

**21.1.2.2 Powder coated aluminium (minimum thickness of powder coating 50 micron).**

Details of cost for 20.21 kg.

MATERIAL:

(i) Hanging style (Jindal section no 4524)

1x2.35 = 2.35 m @ 2.53 kg/m = 5.95 kg

(ii) Meeting style (Jindal section no 4526)

1x2.35 = 2.35 m @ 2.465 kg/m = 5.79 kg

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | (iii) Top & bottom rail (Jindal section no 4510)<br>2x0.75 = 1.50 m @ 2.48 kg/m = 3.72 kg<br>(iv) Lock rail (Jindal section no 4524)<br>1x0.75 = 0.75 m @ 2.53 kg/m = 1.90 kg<br>(v) Glazing plate (Jindal section no 440) on one side of lock rail<br>1x0.75 = 0.75 m @ 0.459 kg/m = 0.34 kg<br>(vi)Aluminium snap beading<br>(Jindal section no4497) on both side<br>2x2 (0.75+1.26) = 8.04 m<br>2x2 (0.75+0.81) = 6.24 m<br>= 14.28 m@ 0.176 kg/m = 2.51 kg<br>(vii) Aluminium angle cleat 38x38x4.8 mm 35 mm long<br>3x4x0.035 = 0.42 m @ 0.985 kg/m = 0.41 kg<br>Sub total = 20.62 kg<br>Add 5% wastage = 1.03 kg<br>Total = 21.65 kg | | | | |
| 7306 | Aluminium T or L sections<br>(viii) | kilogram | 21.65 | 186.1447 | 4030.03 |
| 689 | Anodised Aluminium butt hinges 100x75x4 mm (ix) C.P. brass /stainless steel screws 20 mm<br>For cleat 12x4 = 48<br>For cleat 4x8 = 32<br>For glazing plate @ 15 cm centre to centre in 75 cm length 2x6 = 12<br>Total = 92 Nos | 10 Nos | 4 | 372.2894 | 148.92 |
| 589 | Chromium plated Brass screws 20 mm<br>(x) Epoxy | 100 nos | 92 | 158.223 | 145.57 |
| 7392 | Powder coating 50 microns on aluminium sections<br>(xi) | kilogram | 21.65 | 59.57 | 1289.61 |
| 9999 | Carriage of material<br>(xii) Neoprene/ EPDM rubber gasket in groove of meeting style | L.S. | 31.2 | 1.80 | 56.16 |
| 7390 | Neoprene/EPDM rubber gasket<br>LABOUR: | metre | 2.35 | 18.61447 | 43.74 |
| 116 | Fitter (grade 1) | day | 1 | 348.00 | 348.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 1 | 305.00 | 305.00 |
| 114 | Beldar | day | 0.5 | 254.00 | 127.00 |
| 100 | Bandhani<br>For fixing the shutter including hinges: | day | 0.4 | 270.00 | 108.00 |
| 111 | Carpenter 1 st class | day | 0.2 | 342.00 | 68.40 |
| 114 | Beldar | day | 0.5 | 254.00 | 127.00 |
| 9999 | Labour for making provision for fittings and carriage of screws etc. including sundries | L.S. | 50 | 1.80 | 90.00 |
| | TOTAL | | | | 6887.43 |
| | Add Water Charges @ 1% | | | | 68.87 |
| | TOTAL | | | | 6956.30 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 977.36 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 7933.66 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1190.05 |
| | Cost of 20.21 kg | | | | 9123.71 |
| | Cost of 1 kg | | | | 451.45 |
| | Add labour cess @1% | | | | 4.51 |
| | **Rate** | **per Kg** | | | **456.00** |
| **21.1.2.3** | **Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron).** | | | | |
| | Details of cost for 20.21 kg. | | | | |
| | MATERIAL: | | | | |
| | (i) Hanging style (Jindal section no 4524) | | | | |
| | 1x2.35 = 2.35 m @ 2.53 kg/m = 5.95 kg | | | | |
| | (ii) Meeting style (Jindal section no 4526) | | | | |
| | 1x2.35 = 2.35 m @ 2.465 kg/m = 5.79 kg | | | | |
| | (iii) Top & bottom rail (Jindal section no 4510) | | | | |
| | 2x0.75 = 1.50 m @ 2.48 kg/m = 3.72 kg | | | | |
| | (iv) Lock rail (Jindal section no 4524) | | | | |
| | 1x0.75 = 0.75 m @ 2.53 kg/m = 1.90 kg | | | | |
| | (v) Glazing plate (Jindal section no 440) on one side of lock rail | | | | |
| | 1x0.75 = 0.75 m @ 0.459 kg/m = 0.34 kg | | | | |
| | (vi) Aluminium snap beading (Jindal section no 4497) on both side | | | | |
| | 2x2 (0.75+1.26) = 8.04 m | | | | |
| | 2x2 (0.75+0.81) = 6.24 m | | | | |
| | = 14.28 m @ 0.176 kg/m = 2.51 kg | | | | |
| | (vii) Aluminium angle cleat 38x38x4.8 mm 35 mm long | | | | |
| | 3x4x0.035 = 0.42 m @ 0.985 kg/m = 0.41 kg | | | | |
| | Sub total = 20.62 kg | | | | |
| | Add 5% wastage = 1.03 kg | | | | |
| | Total = 21.65 kg | | | | |
| 7306 | Aluminium T or L sections (viii) | kilogram | 21.65 | 186.1447 | 4030.03 |
| 689 | Anodised Aluminium butt hinges 100x75x4 mm | 10 Nos | 4.0 | 59.5663 | 23.83 |
| | (ix) C.P. brass /stainless steel screws 20 mm | | | | |
| | For cleat 12x4 = 48 | | | | |
| | For cleat 4x8 = 32 | | | | |
| | For glazing plate @ 15 cm centre to centre in 75 cm length 2x6 = 12 | | | | |
| | Total = 92 Nos | | | | |
| 589 | Chromium plated Brass screws 20 mm (x) | 100 nos | 92 | 158.223 | 145.57 |
| 7393 | Polyester powder coating 50 microns on aluminium sections (xi) | kilogram | 21.65 | 65.15 | 1410.51 |
| 9999 | Carriage of material | L.S. | 31.2 | 1.80 | 56.16 |
| | (xii) Neoprene/ EPDM rubber gasket in groove of meeting style | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 7390 | Neoprene/EPDM rubber gasket | metre | 2.35 | 18.61447 | 43.74 |
| | LABOUR: | | | | |
| | For fabrication | | | | |
| 116 | Fitter (grade 1) | day | 1 | 348.00 | 348.00 |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 1 | 305.00 | 305.00 |
| 114 | Beldar | day | 0.5 | 254.00 | 127.00 |
| 100 | Bandhani | day | 0.4 | 270.00 | 108.00 |
| | For fixing the shutter including hinges | | | | |
| 111 | Carpenter 1 st class | day | 0.2 | 342.00 | 68.40 |
| 114 | Beldar | day | 0.5 | 254.00 | 127.00 |
| 9999 | Labour for making provision for fittings and carriage of screws etc. including sundries | L.S. | 50 | 1.80 | 90.00 |
| | TOTAL | | | | 6883.24 |
| | Add Water Charges @ 1% | | | | 68.83 |
| | TOTAL | | | | 6952.07 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 976.77 |
| | TOTAL | | | | 7928.84 (Y) |
| | Add CPOH @ 15% on"Y" | | | | 1189.33 |
| | Cost of 20.21 kg | | | | 9118.16 |
| | Cost of 1 kg | | | | 451.17 |
| | Add labour cess @1% | | | | 4.51 |
| | **Rate** | **per Kg** | | | **455.70** |
| **21.2** | **Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-Charge.** | | | | |
| **21.2.1** | **Pre-laminated particle board with decorative lamination on one side and balancing** | | | | |
| | lamination on other side. | | | | |
| | Details of cost for 7 sqm | | | | |
| | MATERIAL: | | | | |
| | 12 mm thick particle board = 7.00 sqm | | | | |
| | Add 5% wastage = 0.35 sqm | | | | |
| | Total = 7.35 sqm | | | | |
| 7477 | Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) | sqm | 7.35 | 524.00 | 3851.38 |
| | Grade I, Type II conforming to IS : 12823 (exterior grade) 12 mm thick | | | | |
| 9999 | Carriage of particle board | L.S. | 13.65 | 1.80 | 24.57 |
| 9999 | Sundries & screws etc. | L.S. | 27.3 | 1.80 | 49.14 |
| | LABOUR: | | | | |
| 112 | Carpenter 2nd class | day | 0.9 | 305.00 | 274.50 |
| 114 | Beldar | day | 1 | 254.00 | 254.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 4453.59 |
| | Add Water Charges @ 1% | | | | 44.54 |
| | TOTAL | | | | 4498.13 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 631.99 |
| | TOTAL | | | | 5130.11 (Y) |
| | Add CPOH @ 15% | | | | 769.52 |
| | Cost of 7 sqm | | | | 5899.63 |
| | Cost of 1 sqm | | | | 842.80 |
| | Add labour cess @1% | | | | 8.43 |
| | **Rate** | **per sqm** | | | **851.20** |
| **21.2.2** | **Pre-laminated particle board with decorative lamination on both sides.** | | | | |
| | Details of cost for 7 sqm. | | | | |
| | MATERIAL: | | | | |
| | 12 mm thick particle board = 7.00 sqm | | | | |
| | Add 5% wastage = 0.35 sqm. | | | | |
| | Total = 7.35 sqm | | | | |
| 7480 | Pre/aminated particle board with both sides decorative lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 12 mm thick | sqm | 7.35 | 554.71 | 4077.13 |
| 9999 | Carriage of particle board | L.S. | 13.65 | 1.80 | 24.57 |
| 9999 | Sundries & screws etc. | L.S. | 27.3 | 1.80 | 49.14 |
| | LABOUR: | | | | |
| 112 | Carpenter 2nd class | day | 0.9 | 305.00 | 274.50 |
| 114 | Beldar | day | 1 | 254.00 | 254.00 |
| | TOTAL | | | | 4679.34 |
| | Add Water Charges @ 1% | | | | 46.79 |
| | TOTAL | | | | 4726.13 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 664.02 |
| | TOTAL | | | | 5390.15 (Y) |
| | Add CPOH @ 15% | | | | 808.52 |
| | Cost of 7 sqm | | | | 6198.67 |
| | Cost of 1 sqm | | | | 885.52 |
| | Add labour cess @1% | | | | 8.86 |
| | **Rate** | **per sqm** | | | **894.40** |

**21.3 Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-Charge. (Cost of aluminium snap beading shall be paid in basic item).**

**21.3.1 With float glass panes of 4.0 mm thickness.**

Details of cost for 1 sqm
MATERIAL:
Float glass panes 4.00 mm thick = 1.00 sqm
Add for wastage and breakage @ 10%=0.10 sqm.
Total =1.10 sqm

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 2406 | Float glass sheet of nominal thickness 4 mm (weight not less than 10 kg/sqm) | sqm | 1.1 | 266.19 | 292.81 | |
| 9999 | Carriage of glass | L.S. | 2.42 | 1.80 | 4.36 | |
| 7390 | Neoprene/EPDM rubber gasket | metre | 6 | 18.61447 | 111.69 | |
| | LABOUR: | | | | | |
| 112 | Carpenter 2nd class | day | 0.23 | 305.00 | 70.15 | |
| 114 | Beldar | day | 0.23 | 254.00 | 58.42 | |
| 9999 | Sundries and carriage of gasket | L.S. | 6.89 | 1.80 | 12.40 | |
| | TOTAL | | | | 549.82 | |
| | Add Water Charges @ 1% | | | | 5.50 | |
| | TOTAL | | | | 555.32 | |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 78.02 | |
| | TOTAL | | | | 633.34 | (Y) |
| | Add CPOH @ 15% | | | | 95.00 | |
| | Cost of 1 sqm | | | | 728.34 | |
| | Add labour cess @1% | | | | 7.28 | |
| | **Rate** | **per sqm** | | | **735.60** | |

**21.3.2 With float glass panes of 5.50 mm thickness.**

Details of cost for 1 sqm.

MATERIAL:

Glass panes 5.50 mm thick = 1.00 sqm

Add for wastage and breakage @ 10%= 0.10 sqm

Total =1.00 sqm

| | | | | | | |
|---|---|---|---|---|---|---|
| 2407 | Float glass sheet of nominal thickness 5.5 mm (weight not less than 13.50 kg/sqm) | sqm | 1.1 | 456.05 | 501.66 | |
| 9999 | Carriage of glass | L.S. | 3.33 | 1.80 | 5.99 | |
| 7390 | Neoprene/EPDM rubber gasket | metre | 6 | 18.61447 | 111.69 | |
| | LABOUR: | | | | | |
| 112 | Carpenter 2nd class | day | 0.23 | 305.00 | 70.15 | |
| 114 | Beldar | day | 0.23 | 254.00 | 58.42 | |
| 9999 | Sundries and carriage of gasket | L.S. | 6.89 | 1.80 | 12.40 | |
| | TOTAL | | | | 760.31 | |
| | Add Water Charges @ 1% | | | | 7.60 | |
| | TOTAL | | | | 767.92 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 107.89 | |
| | TOTAL | | | | 875.81 | (Y) |
| | Add CPOH @ 15% | | | | 131.37 | |
| | Cost of 1 sqm | | | | 1007.18 | |
| | Add labour cess @1% | | | | 10.07 | |
| | **Rate** | **per sqm** | | | **1017.30** | |

**21.3.3 With float glass panes of 8 mm thickness.**

Details of cost for 1 sqm.

MATERIAL:

Float glass panes 8.00 mm thick = 1.00 sqm

Add for wastage and breakage @ 10%= 0.10 sqm

Total =1.10 sqm

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 2408 | Float glass sheet of nominal thickness 8 mm (weight not less than 20.00 kg/sqm) | sqm | 1.1 | 751.44 | 826.58 | |
| 9999 | Carriage of glass | L.S. | 4.84 | 1.80 | 8.71 | |
| 7390 | Neoprene/EPDM rubber gasket | metre | 6 | 18.61447 | 111.69 | |
| | LABOUR: | | | | | |
| 112 | Carpenter 2nd class | day | 0.23 | 305.00 | 70.15 | |
| 114 | Beldar | day | 0.23 | 254.00 | 58.42 | |
| 9999 | Sundries and carriage of gasket | L.S. | 6.89 | 1.80 | 12.40 | |
| | TOTAL | | | | 1087.95 | |
| | Add Water Charges @ 1% | | | | 10.88 | |
| | TOTAL | | | | 1098.83 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 154.39 | |
| | TOTAL | | | | 1253.22 | (Y) |
| | Add CPOH @ 15% | | | | 187.98 | |
| | Cost of 1 sqm | | | | 1441.20 | |
| | Add labour cess @1% | | | | 14.41 | |
| | **Rate** | **per sqm** | | | **1455.60** | |

**21.4 Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315 , having brand logo embossed on the body/plate with double spring mechanism and door weight upto 125 kg, for doors including cost of cutting floors ,embeding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of E ngineer-in-Charge.**

**21.4.1 With stainless steel cover plate minimum 1.25 mm thickness.**

Details of cost for one number

| | | | | | | |
|---|---|---|---|---|---|---|
| | MATERIAL: | | | | | |
| 7394 | Double action hydraulic floor spring with stainless steel cover plate | each | 1 | 1442.62 | 1442.62 | |
| 9999 | Carriage | L.S. | 13 | 1.80 | 23.40 | |
| 9999 | Sundries and screws | L.S. | 26 | 1.80 | 46.80 | |
| | Cement concrete 1:2:4 | | | | | |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work | cum | 0.002 | 4110.278 | 8.22 | A |
| | LABOUR: | | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.08 | 342.00 | 27.36 | |
| 124 | Mason (brick layer) 2nd class | day | 0.08 | 305.00 | 24.40 | |
| 112 | Carpenter 2nd class | day | 0.01 | 305.00 | 3.05 | |
| 114 | Beldar | day | 0.17 | 254.00 | 43.18 | |
| | TOTAL | | | | 1619.03 | |
| | Add Water Charges @ 1% except on A i.e on (1619.03 -8.22 ) | | | | 16.1081128 | |
| | TOTAL | | | | 1635.14 | |
| | Add GST 12% on "X" except A(multiplying factor 0.1405) | | | | 228.58 | |
| | TOTAL | | | | 1863.72 | (Y) |
| | Add CPOH @ 15% except on A i.e on (1635.14 -8.22 ) | | | | 278.325235 | |
| | Cost of each | | | | 2142.05 | |
| | Add labour cess @1% | | | | 21.42 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | **Rate** | **per Each** | | | **2163.50** |
| **21.4.2** | **With brass cover plate minimum 1.25 mm thickness.** | | | | |
| | Details of cost for one number. | | | | |
| | MATERIAL: | | | | |
| 7396 | Double action hydraulic floor spring with brass cover plate | each | 1 | 1582.23 | 1582.23 |
| 9999 | Carriage | L.S. | 13 | 1.80 | 23.40 |
| 9999 | Sundries and screws | L.S. | 26 | 1.80 | 46.80 |
| | Cement concrete 1:2:4 | | | | |
| 4.1.3 | Rate as per Item Number 4.1.3 of SH: Concrete work | cum | 0.002 | 4110.278 | 8.22 A |
| | LABOUR: | | | | |
| | For cutting hole and making it good | | | | |
| 123 | Mason (brick layer) 1 st class | day | 0.08 | 342.00 | 27.36 |
| 124 | Mason (brick layer) 2nd class day | day | 0.08 | 305.00 | 24.40 |
| 112 | Carpenter 2nd class | day | 0.01 | 305.00 | 3.05 |
| | for fixing | | | | |
| 114 | Beldar | day | 0.17 | 254.00 | 43.18 |
| | TOTAL | | | | 1758.64 |
| | Add Water Charges @ 1% except on A i.e on (1758.64 -8.22 ) | | | | 17.5041979 |
| | TOTAL | | | | 1776.14 (X) |
| | Add GST 12% on "X" except A(multiplying factor 0.1405) | | | | 248.39 |
| | TOTAL | | | | 2024.54 (Y) |
| | Add CPOH @ 15% except on A i.e on (1776.14 -8.22 ) | | | | 302.447596 |
| | Cost of each | | | | 2326.99 |
| | Add labour cess @1% | | | | 23.27 |
| | **Rate** | **per Each** | | | **2350.30** |

**21.5 Providing and fixing powder coated aluminium work (minimum thickness of powder coating 50 micron) consisting of tee / angle sections, of approved make conforming to IS : 733 in frames of false ceiling including aluminium angle cleats with necessary C.P. brass / stainless steel sunk screws, aluminium perimeter angles fixed to wall with stainless steel rawl plugs @ 450mm centre to centre and fixing the frame work to G.I. level adjusting hangers 6mm dia. with necessary cadmium plated machine screws all complete as per approved architectural drawings and direction of the Engineer-in-Charge (level adjusting hangers, ceiling cleats and expansion hold fastener s to be paid for separately).**

Details of cost for 6.35 kg (2.40x2.40= 5.76 sqm).
MATERIAL:
(i) Aluminium main runner - assuming Tee of size 35x23.5x1.5 mm @ 600 mm centre to centre 3.00x2.40m, =7.20m
Extra for light fittings
2x1.20 m = 2.40 m
Total = 9.60 m @ 0.247 kg/m = 2.370 kg
Aluminium cross runner - assuming Tee of size 35x23.5x1.5 mm @ 600 mm centre to centre

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 3x4x0.60 m = 7.20 m<br>(-) 2x0.30 = (-) 0.60 m<br>Total =6.60 m @ 0.247 kg/m = 1.630 kg<br>Perimeter angle aluminium - assuming size 25.4x25.4xl .63 mm @ 600 mm centre to centre<br>4x2.40 m = 9.60 m @ 0.213 kg/m = 2.045 kg<br>(ii) CLEATS<br>Aluminium angle- assuming size 25.4x25.4xl.63 mm<br>Extra for light fittings =3x2x2 = 12.00<br>Corner = 4.00<br>For joining runners = 42.00<br>Total = 58.00x0.025 = 1.45 m@ 0.213 kg/m = 0.309 kg<br>Sub total = 2.370 + 1.630 + 2.045 + 0.309 = 6.354 kg<br>Add 5% wastage = 0.318 kg<br>Total = 6.672 kg | | | | | |
| 7306 | Aluminium T or L sections<br>(iii) C.P. brass/ stainless steel screws 20 mm for angle cleats | kilogram | 6.672 | 186.14 | 1241.96 | |
| 589 | Chromium plated Brass screws 20 mm<br>(iv) Rawl plug for fixing perimeter angles | 100 nos | 1.16 | 158.223 | 1.84 | |
| 7048 | Rawl plug 50 mm (designation 10 nos)<br>Epoxy | each | 24 | 9.31 | 223.37 | |
| 7392 | Powder coating 50 microns on aluminium sections<br>(vi) | kilogram | 6.67 | 59.57 | 397.31 | |
| 9999 | Carriage of material<br>(vii) | L.S. | 13 | 1.80 | 23.40 | |
| 9999 | C.P. brass screws for fixing frame with suspenders<br>LABOUR:<br>For fabrication and erection | L.S. | 13 | 1. 80 | 23.40 | |
| 111 | Carpenter 1 st class | day | 0.64 | 342.00 | 218.88 | |
| 114 | Beldar | day | 0.64 | 254.00 | 162.56 | |
| 9999 | Scaffolding and sundries | L.S. | 13 | 1.80 | 23.40 | |
| | TOTAL | | | | 2316.11 | |
| | Add Water Charges @ 1% | | | | 23.16 | |
| | TOTAL | | | | 2339.27 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 328.67 | |
| | TOTAL | | | | 2667.94 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 400.19 | |
| | Cost of 6.35 kg | | | | 3068.13 | |
| | Cost of 1 kg | | | | 483.17 | |
| | Add labour cess @1% | | | | 4.83 | |
| | **Rate** | **per Kg** | | | **488.00** | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **21.6** | **Providing and fixing 6 mm dia. G.I. level adjusting hangers (upto 1200 mm length), fixed to roof slabs by means of ceiling cleats made out of G.I. flat 40x3 mm size 60 mm long and stainless steel expandable dash fastener of 12.5 mm dia and 50 mm long, complete as per direction of Engineer -in-charge.** | | | | |
| | Details of cost for 23 nos (hangers in 2.40m x 2.40 m = 5.76 sqm).<br>MATERIAL:<br>6 mm dia G.I. adjustable hangers including clips (upto 1.20 metre length)<br>For light fiting 2x4=8.00 Nos<br>For runners = 15.00 total = 23.00 Nos | | | | |
| 7395 | 6 mm dia G.I. adjustable hangers including clips<br>(up to 1.2 m length)<br>Ceiling cleats<br>G.I. flat 40X3 mm 60mm long<br>23x0.06= 1.38m@0.95kg/m= 1.31kg<br>Add 5% wastage = 0.07 kg<br>Total = 1.38 kg | each | 23 | 18.61 | 428.13 |
| 992 | Galvanised steel plain sheets | quintal | 0.014 | 5212.05 | 72.97 |
| 7388 | Dash hold fastener 12.5 mm dia, 50 mm long with<br>6 mm dia bolt | each | 23 | 11.17 | 256.88 |
| 9999 | Carriage of material | L.S. | 5.2 | 1.80 | 9.36 |
| | LABOUR: | | | | |
| 111 | Carpenter 1 st class | day | 0.35 | 342.00 | 119.70 |
| 114 | Beldar | day | 0.27 | 254.00 | 68.58 |
| | TOTAL | | | | 955.62 |
| | Add Water Charges @ 1% | | | | 9.56 |
| | TOTAL | | | | 965.18 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 135.61 |
| | TOTAL | | | | 1100.78 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 165.12 |
| | Cost of 23 nos | | | | 1265.90 |
| | Cost of each | | | | 55.04 |
| | Add labour cess @1% | | | | 0.55 |
| | **Rate** | **per Each** | | | **55.60** |

**21.7 Providing and fixing machine moulded aluminium covering of approved pattern &design, made out of machine cut aluminium sheet and machine holed for receiving dash fastener, over expansion joints on vertical surfaces/ceiling floors , the fixing on plate in one row on one side of joint only shall be done with stainless steel dash fastners of 8 mm dia and 75 mm long bolt including providing aluminim washers 2 mm thick 15 mm dia, at a staggered pitch of 200 mm centre to centre including drilling holes in the receiving surface and providing expandable plastic sleeves in holes etc. complete as per drawing and direction of Engineer-incharge.**

**21.7.1 Anodised aluminium sheet 2.5 mm thick (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of gr ade AC 15).**

Details of cost for 7 kg.
MATERIAL:
Anodised aluminium sheet 2.5 mm thick,

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | 170 mm wide<br>5.88m x0.17m = 1.00 sqm @ 7.00 kg/sqm<br>= 7.00kg Add 5% wastage = 0.035 kg<br>Total = 7.35 kg | | | | |
| 2704 | Aluminium Strip 40 mm wide and 2 mm thick | kilogram | 7.35 | 209.41 | 1539.18 |
| 7389 | Anodising 15 microns on aluminium sections | kilogram | 7.35 | 37.23 | 273.63 |
| 7347 | Cadmium plated full threaded steel screws (30x4 mm dia) | 100 Nos | 30 | 26.06 | 7.82 |
| 7348 | Aluminium washer 2 mm thick 15 mm dia | 100 nos | 30 | 9.31 | 2.79 |
| 8776 | Stainless steel dash fastener of 8 mm dia and 75 mm long bolt | each | 30 | 13.03 | 390.90 |
| 9999 | Carriage of material | L.S. | 6.5 | 1.80 | 11.70 |
| | LABOUR: | | | | |
| 112 | Carpenter 2nd class | day | 0.392 | 305.00 | 119.56 |
| 114 | Beldar | day | 0.392 | 254.00 | 99.57 |
| 9999 | Sundries including machine work | L.S. | 21.45 | 1.80 | 38.61 |
| | TOTAL | | | | 2483.77 |
| | Add Water Charges @ 1% | | | | 24.84 |
| | TOTAL | | | | 2508.61 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 352.46 |
| | TOTAL | | | | 2861.07 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 429.16 |
| | Cost of 7 kg | | | | 3290.23 |
| | Cost of 1 kg | | | | 470.03 |
| | Add labour cess @1% | | | | 4.70 |
| | **Rate** | **per kg** | | | **474.70** |

**21.7.2 Powder coated aluminium sheet 2.5 mm thick (minimum thickness of powder coating 50 micron).**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for 7 kg. | | | | |
| | MATERIAL: | | | | |
| | Anodised aluminium sheet 2.5 mm thick,<br>170 mm wide<br>5.88 mm x0.17m =1.00 m@ 7.00kg/sqm<br>wide Add 5% wastage = 0.35 kg<br>Total = 7.35 kg | | | | |
| 2704 | Aluminium Strip 40 mm wide and 2 mm thick | kilogram | 7.35 | 209.4128 | 1539.18 |
| 7392 | Powder coating 50 microns on aluminium sections | kilogram | 7.35 | 59.5663 | 437.81 |
| 7347 | Cadmium plated full threaded steel screws (30x4 mm dia) | 100 Nos | 30 | 26.06 | 7.82 |
| 7348 | Aluminium washer 2 mm thick 15 mm dia | 100 nos | 30 | 9.307234 | 2.79 |
| 8776 | Stainless steel dash fastener of 8 mm dia and mm long bolt | each | 30 | 13.03013 | 390.90 |
| 9999 | Carriage of material | L.S. | 6.5 | 1.80 | 11.70 |
| | LABOUR: | | | | |
| 112 | Carpenter 2nd class | day | 0.392 | 305.00 | 119.56 |
| 114 | Beldar | day | 0.392 | 254.00 | 99.57 |
| 9999 | Sundries including machine work | L.S. | 21.45 | 1.80 | 38.61 |
| | TOTAL | | | | 2647.95 |
| | Add Water Charges @ 1% | | | | 26.48 |
| | TOTAL | | | | 2674.43 (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 375.76 |
| | TOTAL | | | | 3050.18 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 457.53 |
| | Cost of 7 kg | | | | 3507.71 |
| | Cost of 1 kg | | | | 501.10 |
| | Add labour cess @1% | | | | 5.01 |
| | **Rate** | **per Kg** | | | **506.10** |

**21.8 Filling the gap in between aluminium frame & adjacent RCC / Brick / Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-Charge complete.**

**21.8.1 Upto 5 mm depth and 5 mm width.**

Details of cost for one metre

MATERIAL:

| | | | | | |
|---|---|---|---|---|---|
| 8646 | Silicon sealant (including 5% wastage) | cartridge | 0.087 | 93.07 | 8.10 |
| 8654 | Masking tape | metre | 2 | 2.14 | 4.28 |
| 9999 | Sundries and profile | L.S. | 2.6 | 1.80 | 4.68 |
| 9999 | Labour | L.S. | 20.8 | 1.80 | 37.44 |
| | TOTAL | | | | 54.50 |
| | Add Water Charges @ 1% | | | | 0.54 |
| | TOTAL | | | | 55.04 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 7.73 |
| | TOTAL | | | | 62.78 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 9.42 |
| | Cost of 1 metre | | | | 72.19 |
| | Add labour cess @1% | | | | 0.72 |
| | **Rate** | **per m** | | | **72.90** |

**21.9 Extra for applying additional anodic coating AC 25 instead of AC 15 to aluminium extruded sections.**

**21.9.1 For fixed portion.**

Details of cost for 41.09 kg

Difference in cost of

| | | | | | |
|---|---|---|---|---|---|
| 7391 | Anodising 25 microns on aluminium sections | kilogram | 41.09 | 46.54 | 1912.17 |
| 7389 | Anodising 15 microns on aluminium sections | kilogram | -41.09 | 37.23 | -1529.74 |
| | TOTAL | | | | 382.43 |
| | Add Water Charges @ 1% | | | | 3.82 |
| | TOTAL | | | | 386.26 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 54.27 |
| | TOTAL | | | | 440.53 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 66.08 |
| | Cost of 41.09 kg | | | | 506.61 |
| | Cost of 1 kg | | | | 12.33 |
| | Add labour cess @1% | | | | 0.12 |
| | **Rate** | **per Kg** | | | **12.50** |

**21.9.2 For shutters of doors, windows & ventilators.**

Details of cost for 21.65 kg.

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Difference in cost of | | | | | |
| 7391 | Anodising 25 microns on aluminium sections | kilogram | 21.65 | 46.54 | 1007.51 | |
| 7389 | Anodising 15 microns on aluminium sections | kilogram | -21.65 | 37.23 | -806.01 | |
| | TOTAL | | | | 201.50 | |
| | Add Water Charges @ 1% | | | | 2.02 | |
| | TOTAL | | | | 203.52 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 28.59 | |
| | TOTAL | | | | 232.11 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 34.82 | |
| | Cost of 21.65 kg | | | | 266.93 | |
| | Cost of 1 kg | | | | 12.33 | |
| | Add labour cess @1% | | | | 0.12 | |
| | **Rate** | **per Kg** | | | **12.50** | |

**21.10 Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side, having 12 mm air gap, including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-Charge complete.**

Details of cost for 1 sqm.
MATERIAL:
Hermetically sealled double glazed unit made with 6mm thick clear float glass both side having
12 mm air gap. = 1.00 sqm
Add for wastage & breakage @ 10% = 0.10sqm
Total =1.10sqm

| | | | | | | |
|---|---|---|---|---|---|---|
| 8648 | Hermetically sealed double glazed unit made with 6 mm thick clear float glass both side having 12 mm air gap | sqm | 1.1 | 1961.96 | 2158.16 | |
| 9999 | Carriage of glass | L.S. | 6.66 | 1.80 | 11.99 | |
| 7390 | Neoprene/EPDM rubber gasket | metre | 6 | 18.61 | 111.69 | |
| | LABOUR: | | | | | |
| | Glazier / | | | | | |
| 112 | Carpenter 2nd class | day | 0.23 | 305.00 | 70.15 | |
| 114 | Beldar | day | 0.46 | 254.00 | 116.84 | |
| 9999 | Sundries and carriage of gasket | L.S. | 6.89 | 1.80 | 12.40 | |
| | TOTAL | | | | 2481.23 | |
| | Add Water Charges @ 1% | | | | 24.81 | |
| | TOTAL | | | | 2506.04 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 352.10 | |
| | TOTAL | | | | 2858.14 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 428.72 | |
| | Cost of 1 sqm | | | | 3286.86 | |
| | Add labour cess @1% | | | | 32.87 | |
| | **Rate** | **per sqm** | | | **3319.70** | |

**21.11 Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in- Charge complete.**

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **21.11.1** | **205 X 19 mm.** | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL: | | | | |
| 8649 | Stainless steel (SS 304 grade) adjustable friction window stay 205 x 19 mm | each | 10 | 157.29 | 1572.92 |
| 8647 | Stainless steel screws 30 mm x4 mm | 100 Nos | 40 | 29.78 | 11.91 |
| 9999 | Carriage | L.S. | 2.73 | 1.80 | 4.91 |
| | LABOUR: | | | | |
| 112 | Carpenter 2nd class | day | 0.14 | 305.00 | 42.70 |
| 114 | Beldar | day | 0.14 | 254.00 | 35.56 |
| | TOTAL | | | | 1668.01 |
| | Add Water Charges @ 1% | | | | 16.68 |
| | TOTAL | | | | 1684.69 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 236.70 |
| | TOTAL | | | | 1921.39 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 288.21 |
| | Cost of 10 nos | | | | 2209.60 |
| | Cost of each | | | | 220.96 |
| | Add labour cess @1% | | | | 2.21 |
| | **Rate** | **each** | | | **223.20** |
| **21.11.2** | **255 X 19 mm.** | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL: | | | | |
| 8650 | Stainless steel (SS 304 grade) adjustable friction window stay 255 x 19 mm | each | 10 | 203.83 | 2038.28 |
| 8647 | Stainless steel screws 30 mm x4 mm | 100 Nos | 40 | 29.78 | 11.91 |
| 9999 | Carriage | L.S. | 2.73 | 1.80 | 4.91 |
| | LABOUR: | | | | |
| 112 | Carpenter 2nd class | day | 0.14 | 305.00 | 42.70 |
| 114 | Beldar | day | 0.14 | 254.00 | 35.56 |
| | TOTAL | | | | 2133.37 |
| | Add Water Charges @ 1% | | | | 21.33 |
| | TOTAL | | | | 2154.71 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 302.74 |
| | TOTAL | | | | 2457.44 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 368.62 |
| | Cost of 10 nos | | | | 2826.06 |
| | Cost of each | | | | 282.61 |
| | Add labour cess @1% | | | | 2.83 |
| | **Rate** | **each** | | | **285.40** |
| **21.11.3** | **355 X 19 mm.** | | | | |
| | Details of cost for 10 nos | | | | |
| | MATERIAL: | | | | |
| 8651 | Stainless steel (SS 304 grade) adjustable friction window stay 355 x 19 mm | each | 10 | 177.77 | 1777.68 |
| 8647 | Stainless steel screws 30 mm x4 mm | 100 Nos | 40 | 29.78 | 11.91 |
| 9999 | Carriage | L.S. | 2.73 | 1.80 | 4.91 |
| | LABOUR: | | | | |
| 112 | Carpenter 2nd class | day | 0.14 | 305.00 | 42.70 |
| 114 | Beldar | day | 0.14 | 254.00 | 35.56 |
| | TOTAL | | | | 1872.77 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | 18.73 | |
| | TOTAL | | | | 1891.50 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 265.76 | |
| | TOTAL | | | | 2157.25 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 323.59 | |
| | Cost of 10 nos | | | | 2480.84 | |
| | Cost of each | | | | 248.08 | |
| | Add labour cess @1% | | | | 2.48 | |
| | **Rate** | **each** | | | **250.60** | |
| **21.11.4** | **510X19 mm.** | | | | | |
| | Details of cost for 10 nos. | | | | | |
| | MATERIAL: | | | | | |
| 8652 | Stainless steel (SS 304 grade) adjustable friction window stay 510 x 19 mm | each | 10 | 479.32 | 4793.23 | |
| 8647 | Stainless steel screws 30 mm x4 mm | 100 Nos | 40 | 29.78 | 11.91 | |
| 9999 | Carriage | L.S. | 2.73 | 1.80 | 4.91 | |
| | LABOUR: | | | | | |
| 112 | Carpenter 2nd class | day | 0.14 | 305.00 | 42.70 | |
| 114 | Beldar | day | 0.14 | 254.00 | 35.56 | |
| | TOTAL | | | | 4888.31 | |
| | Add Water Charges @ 1% | | | | 48.88 | |
| | TOTAL | | | | 4937.20 | |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 693.68 | |
| | TOTAL | | | | 5630.87 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 844.63 | |
| | Cost of 10 nos | | | | 6475.50 | |
| | Cost of each | | | | 647.55 | |
| | Add labour cess @1% | | | | 6.48 | |
| | **Rate** | **each** | | | **654.00** | |
| **21.11.5** | **710X19 mm.** | | | | | |
| | Details of cost for 10 nos. | | | | | |
| | MATERIAL: | | | | | |
| 8653 | Stainless steel (SS 304 grade) adjustable friction window stay 710 x 19 mm | each | 10 | 827.41 | 8274.13 | |
| 8647 | Stainless steel screws 30 mm x4 mm | 100 Nos | 40 | 29.78315 | 11.91 | |
| 9999 | Carriage | L.S. | 2.73 | 1.80 | 4.91 | |
| | LABOUR: | | | | | |
| 112 | Carpenter 2nd class | day | 0.14 | 305.00 | 42.70 | |
| 114 | Beldar | day | 0.14 | 254.00 | 35.56 | |
| | TOTAL | | | | 8369.22 | |
| | Add Water Charges @ 1% | | | | 83.69 | |
| | TOTAL | | | | 8452.91 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1187.63 | |
| | TOTAL | | | | 9640.54 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1446.08 | |
| | Cost of 10 nos | | | | 11086.63 | |
| | Cost of each | | | | 1108.66 | |
| | Add labour cess @1% | | | | 11.09 | |
| | **Rate** | **each** | | | **1119.70** | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **21.12** | **Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge.** | | | | |
| **21.12.1** | **Anodized (AC 15 ) aluminium tubular handle bar.** | | | | |
| | Details of cost for 10 nos handle bar. | | | | |
| | MATERIAL: | | | | |
| | 10x22/7 x 1/4 (0.032x0.032 - 0.026 x 0.026) | | | | |
| | x 2.10 = 0.0057 cum | | | | |
| | 0.0057 cum @ 2710 kg/ cum = 15.56kg | | | | |
| | Add 5% wastage = 0.78 kg | | | | |
| | Total = 16.34 kg | | | | |
| 7306 | Aluminium T or L sections | kilogram | 16.34 | 186.14 | 3041.60 |
| 7389 | Anodising 15 microns on aluminium sections | kilogram | 16.34 | 37.23 | 608.32 |
| 9999 | Carriage of material | L.S. | 4.42 | 1.80 | 7.96 |
| 8647 | Stainless steel screws 30 mm x4 mm | 100 Nos | 8 | 29.78315 | 2.38 |
| | LABOUR: | | | | |
| 111 | Carpenter 1 st class | day | 0.125 | 342.00 | 42.75 |
| | TOTAL | | | | 3703.01 |
| | Add Water Charges @ 1% | | | | 37.03 |
| | TOTAL | | | | 3740.04 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 525.48 |
| | TOTAL | | | | 4265.52 (Y) |
| | Add CPOH @ 15%on "Y" | | | | 639.83 |
| | Cost of 10 nos | | | | 4905.35 |
| | Cost of each | | | | 490.53 |
| | Add labour cess @1% | | | | 4.91 |
| | **Rate** | **each** | | | **495.40** |
| **21.12.2** | **Powder coated minimum thickness 50 micron aluminium tubular handle bar.** | | | | |
| | Details of cost for 10 nos handle bar. | | | | |
| | MATERIAL: | | | | |
| | 10x22/7 x 1/4 (0.032x0.032 - 0.026 x 0.026) | | | | |
| | x 2.10 = 0.0057 cum | | | | |
| | 0.0057 cum @ 2710 kg/ cum = 15.56kg | | | | |
| | Add 5% wastage = 0.78 kg | | | | |
| | Total = 16.34 kg | | | | |
| 7306 | Aluminium T or L sections | kilogram | 16.34 | 186.14 | 3041.60 |
| | Epoxy | | | | |
| 7392 | Powder coating 50 microns on aluminium sections | kilogram | 16.34 | 59.57 | 973.31 |
| 9999 | Carriage of material | L.S. | 4.42 | 1.80 | 7.96 |
| 8647 | Stainless steel screws 30 mm x4 mm | 100 Nos | 8.00 | 29.78 | 2.38 |
| | LABOUR: | | | | |
| 111 | Carpenter 1 st class | day | 0.13 | 342.00 | 42.75 |
| | TOTAL | | | | 4068.01 |
| | Add Water Charges @ 1% | | | | 40.68 |
| | TOTAL | | | | 4108.69 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 577.27 |
| | TOTAL | | | | 4685.96 (Y) |
| | Add CPOH @ 15% | | | | 702.89 |
| | Cost of 10 nos | | | | 5388.85 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost of each | | | | 538.88 |
| | Add labour cess @1% | | | | 5.39 |
| | **Rate** | **each** | | | **544.30** |

**21.12.3 Polyester powder coated minimum thickness 50 micron aluminium tubular handle bar.**

Details of cost for 10 nos handle bar.
MATERIAL:
10x22/7 x 1/4 (0.032x0.032 - 0.026 x 0.026)
x 2.10 = 0.0057 cum
0.0057 cum @ 2710 kg/ cum = 15.56kg
Add 5% wastage = 0.78 kg
Total = 16.34 kg

| | | | | | | |
|---|---|---|---|---|---|---|
| 7306 | Aluminium T or L sections | kilogram | 16.34 | 186.14 | 3041.60 | |
| 7393 | Polyester powder coating 50 microns on aluminium sections | kilogram | 16.34 | 65.15 | 1064.56 | |
| 9999 | Carriage of material | L.S. | 4.42 | 1.80 | 7.96 | |
| 8647 | Stainless steel screws 30 mm x4 mm | 100 Nos | 8.00 | 29.78 | 238.27 | |
| | LABOUR: | | | | | |
| 111 | Carpenter 1 st class | day | 0.13 | 342.00 | 42.75 | |
| | TOTAL | | | | 4395.14 | |
| | Add Water Charges @ 1% | | | | 43.95 | |
| | TOTAL | | | | 4439.09 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 623.69 | |
| | TOTAL | | | | 5062.78 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 759.42 | |
| | Cost of 10 nos | | | | 5822.20 | |
| | Cost of each | | | | 582.22 | |
| | Add labour cess @1% | | | | 5.82 | |
| | **Rate** | **each** | | | **588.00** | |

**21.13 Providing and fixing 100 mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good e tc. complete.**

Details of cost for one no.
MATERIAL:

| | | | | | | |
|---|---|---|---|---|---|---|
| 7001 | Brass 100mm mortice latch and lock with 6 levers without pair of handles | each | 1.00 | 204.76 | 204.76 | |
| | LABOUR: | | | | | |
| 111 | Carpenter 1 st class | day | 0.17 | 342.00 | 58.14 | |
| 9999 | Sundry and screws | L.S. | 3.64 | 1.80 | 6.55 | |
| | TOTAL | | | | 269.45 | |
| | Add Water Charges @ 1% | | | | 2.69 | |
| | TOTAL | | | | 272.15 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 38.24 | |
| | TOTAL | | | | 310.38 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 46.56 | |
| | Cost of each | | | | 356.94 | |
| | Add labour cess @1% | | | | 3.57 | |
| | **Rate** | **each** | | | **360.50** | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **21.14** | **Providing and fixing anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868. Minimum anodic coating of grade AC 15) sub frame work for windows and ventilators with extruded built up standard tubular sections of approved make conforming to IS: 733 and IS: 1285, fixed with dash fastener of required dia and size (Dash fastener to be paid for separately).** | | | | |
| | Details of cost for 4.082 kg. | | | | |
| | MATERIAL: | | | | |
| | Aluminium Section | | | | |
| | (i) External member of the frame (Jindal section no TU/ 3644) | | | | |
| | V = 2x2.00 = 4.00 m | | | | |
| | H = 2x1.20 = 2.40 m | | | | |
| | Total = 6.40 m @ 0.607 kg/m = 3.885kg | | | | |
| | Angle cleat 38x38x4.8 mm 50 mm long | | | | |
| | 4x0.05 = 0.200 m @ 0.985 kg/m = 0.197 kg | | | | |
| | sub total = 4.082kg. | | | | |
| | Add 5% wastage = 0.204kg | | | | |
| | Total = 4.286kg | | | | |
| 7306 | Aluminium T or L sections | kilogram | 4.29 | 186.14 | 797.82 |
| 589 | Chromium plated Brass screws 20 mm | 100 nos | 8.00 | 158.22 | 12.66 |
| 7389 | Anodising 15 microns on aluminium sections | kilogram | 4.29 | 37.23 | 159.56 |
| 9999 | Carriage of material | L.S. | 5.20 | 1.80 | 9.36 |
| | LABOUR: | | | | |
| | For fabrication of frame | | | | |
| 116 | Fitter (grade 1) | day | 0.04 | 348.00 | 13.92 |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 0.04 | 305.00 | 12.20 |
| 114 | Beldar | day | 0.02 | 254.00 | 5.08 |
| 100 | Bandhani | day | 0.01 | 270.00 | 2.70 |
| 9999 | Labour for drilling holes, hire charges of drill, electricity charges, carriage of dash hold fastners and sundries | L.S. | 5.20 | 1.80 | 9.36 |
| | TOTAL | | | | 1022.66 |
| | Add Water Charges @ 1% | | | | 10.23 |
| | TOTAL | | | | 1032.88 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 145.12 |
| | TOTAL | | | | 1178.00 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 176.70 |
| | Cost of 4.082 kg | | | | 1354.70 |
| | Cost of 1 kg | | | | 331.87 |
| | Add labour cess @1% | | | | 3.32 |
| | **Rate** | **Per Kg** | | | **335.20** |
| **21.15** | **Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete.** | | | | |
| **21.15.1** | **Anodized (AC 15) aluminium.** | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL: | | | | |
| 8660 | Aluminium casement window fastener (Anodised AC 15 ) | each | 10 | 37.23 | 372.29 |
| 8666 | Stainless steel screws 25 mm x4 mm | 100 Nos | 40 | 32.58 | 13.03 |
| | LABOUR: | | | | |
| 111 | Carpenter 1 st class | day | 0.06 | 342.00 | 20.52 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Carriage of material | L.S. | 2.73 | 1.80 | 4.91 | |
| | TOTAL | | | | 410.75 | |
| | Add Water Charges @ 1% | | | | 4.11 | |
| | TOTAL | | | | 414.86 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 58.29 | |
| | TOTAL | | | | 473.15 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 70.97 | |
| | Cost of 10 nos | | | | 544.12 | |
| | Cost of each | | | | 54.41 | |
| | Add labour cess @1% | | | | 0.54 | |
| | **Rate** | **each** | | | **55.00** | |

**21.15.2 Powder coated minimum thickness 50 micron aluminium.**

Details of cost for 10 nos.

MATERIAL:

| | | | | | | |
|---|---|---|---|---|---|---|
| 8661 | Aluminium casement window fastener (powder coated ) | each | 10 | 40.02 | 400.21 | |
| 8666 | Stainless steel screws 25 mm x4 mm | 100 Nos | 40 | 32.57532 | 13.03 | |
| | LABOUR: | | | | | |
| 111 | Carpenter 1 st class | day | 0.06 | 342.00 | 20.52 | |
| 9999 | Carriage of material | L.S. | 2.73 | 1.80 | 4.91 | |
| | TOTAL | | | | 438.68 | |
| | Add Water Charges @ 1% | | | | 4.39 | |
| | TOTAL | | | | 443.06 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 62.25 | |
| | TOTAL | | | | 505.31 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 75.80 | |
| | Cost of 10 nos | | | | 581.11 | |
| | Cost of each | | | | 58.11 | |
| | Add labour cess @1% | | | | 0.58 | |
| | **Rate** | **each** | | | **58.70** | |

**21.15.3 Polyester powder coated minimum thickness 50 micron aluminium.**

Details of cost for 10 nos.

MATERIAL:

| | | | | | | |
|---|---|---|---|---|---|---|
| 8662 | Aluminium casement window fastener (polyester powder coated) | each | 10.00 | 39.09 | 390.90 | |
| 8666 | Stainless steel screws 25 mm x4 mm | 100 Nos | 40.00 | 32.58 | 13.03 | |
| | LABOUR: | | | | | |
| 111 | Carpenter 1 st class | day | 0.06 | 342.00 | 20.52 | |
| 9999 | Carriage of material | L.S. | 2.73 | 1.80 | 4.91 | |
| | TOTAL | | | | 429.37 | |
| | Add Water Charges @ 1% | | | | 4.29 | |
| | TOTAL | | | | 433.66 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 60.93 | |
| | TOTAL | | | | 494.59 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 74.19 | |
| | Cost of 10 nos | | | | 568.78 | |
| | Cost of each | | | | 56.88 | |
| | Add labour cess @1% | | | | 0.57 | |
| | **Rate** | **each** | | | **57.40** | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **21.16** | **Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-in-Charge.** | | | | |
| **21.16.1** | **Anodized (AC 15) aluminium.** | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL: | | | | |
| 8663 | Aluminium round shape handle (anodised AC 15) | each | 10.00 | 45.61 | 456.05 |
| 8666 | Stainless steel screws 25 mm x4 mm | 100 Nos | 40.00 | 32.58 | 13.03 |
| | LABOUR: | | | | |
| 111 | Carpenter 1 st class | day | 0.06 | 342.00 | 20.52 |
| 9999 | Carriage of material | L.S. | 2.73 | 1.80 | 4.91 |
| | TOTAL | | | | 494.52 |
| | Add Water Charges @ 1% | | | | 4.95 |
| | TOTAL | | | | 499.46 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 70.17 |
| | TOTAL | | | | 569.64 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 85.45 |
| | Cost of 10 nos | | | | 655.08 |
| | Cost of each | | | | 65.51 |
| | Add labour cess @1% | | | | 0.66 |
| | **Rate** | **each** | | | **66.20** |
| **21.16.2** | **Powder coated minimum thickfness 50 micron aluminium.** | | | | |
| | Details of cost for 10 nos. | | | | |
| 8664 | Aluminium round shape handle (powder coated) | each | 10.00 | 50.26 | 502.59 |
| 8666 | Stainless steel screws 25 mm x4 mm | 100 Nos | 40.00 | 32.58 | 13.03 |
| | LABOUR: | | | | |
| 111 | Carpenter 1 st class | day | 0.06 | 342.00 | 20.52 |
| 9999 | Carriage of materials | L.S. | 2.73 | 1.80 | 4.91 |
| | TOTAL | | | | 541.05 |
| | Add Water Charges @ 1% | | | | 5.41 |
| | TOTAL | | | | 546.47 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 76.78 |
| | TOTAL | | | | 623.24 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 93.49 |
| | Cost of 10 nos | | | | 716.73 |
| | Cost of each | | | | 71.67 |
| | Add labour cess @1% | | | | 0.72 |
| | **Rate** | **each** | | | **72.40** |
| **21.16.3** | **Polyester powder coated minimum thickness 50 micron aluminium.** | | | | |
| | Details of cost for 10 nos. | | | | |
| | MATERIAL: | | | | |
| 8665 | Aluminium round shape handle (polyester powder coated) | each | 10.00 | 54.91 | 549.13 |
| 8666 | Stainless steel screws 25 mm x4 mm | 100 Nos | 40.00 | 32.58 | 13.03 |
| | LABOUR: | | | | |
| 111 | Carpenter 1 st class | day | 0.06 | 342.00 | 20.52 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 9999 | Carriage of materials | L.S. | 2.73 | 1.80 | 4.91 | |
| | TOTAL | | | | 587.59 | |
| | Add Water Charges @ 1% | | | | 5.88 | |
| | TOTAL | | | | 593.47 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 83.38 | |
| | TOTAL | | | | 676.85 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 101.53 | |
| | Cost of 10 nos | | | | 778.38 | |
| | Cost of each | | | | 77.84 | |
| | Add labour cess @1% | | | | 0.78 | |
| | **Rate** | **each** | | | **78.60** | |

**21.17 Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of gr ill to be measured for payment).**

Details of cost for 10 kg.
MATERIAL:
Aluminium grill = 10 Kg.
Add Wastage @ 20% = 2 Kg.
= 12 Kg.

| | | | | | | |
|---|---|---|---|---|---|---|
| 8774 | Aluminium Grill | kg | 12.00 | 232.68 | 2792.17 | |
| 9999 | Carriage | L.S. | 11.00 | 1.80 | 19.80 | |
| | LABOUR: | | | | | |
| | for fixing | | | | | |
| 116 | Fitter (grade 1) | day | 0.50 | 348.00 | 174.00 | |
| 139 | Skilled Beldar (for floor rubbing etc.) | day | 0.25 | 305.00 | 76.25 | |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 | |
| 100 | Bandhani | day | 0.05 | 270.00 | 13.50 | |
| 9999 | Sundries | L.S. | 25.00 | 1.80 | 45.00 | |
| | TOTAL | | | | 3184.22 | |
| | Add Water Charges @ 1% | | | | 31.84 | |
| | TOTAL | | | | 3216.06 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 451.86 | |
| | TOTAL | | | | 3667.92 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 550.19 | |
| | Cost of 10 kg | | | | 4218.11 | |
| | Cost of 1 kg | | | | 421.81 | |
| | Add labour cess @1% | | | | 4.22 | |
| | **Rate** | **Kg** | | | **426.00** | |

**21.18 Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-incharge (Door handle, lock and stopper etc.to be paid separately).**

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Details of cost for 2.10 sqm. | | | | | |
| | MATERIAL: | | | | | |
| | Glass= 2.10 Sqm. | | | | | |
| | Add Wastage @ 10% = 0.21 sqm. | | | | | |
| | Total= 2.31 sqm. | | | | | |
| 8778 | Toughened glass 12 mm thickness | sqm | 2.31 | 1625.97 | 37 56.00 | |
| 9999 | Carriage of glass panes and other materials | L.S. | 8.19 | 1.80 | 14.74 | |
| 9999 | Methylated spirit | L.S. | 5.33 | 1.80 | 9.59 | |
| 21.4.1 | Stainless steel pivot and spring type fixing | each | 2.00 | 2142.05 | 4284.09 | A |
| | Rate as per Item Number 21.4.1 of SH: Aluminium Work | | | | | |
| | LABOUR: | | | | | |
| 119 | Glazier | day | 0.90 | 286.00 | 257.40 | |
| 114 | Beldar | day | 0.90 | 254.00 | 228.60 | |
| 9999 | Sundries, sush rog cotton etc. | L.S. | 1.13 | 1.80 | 2.03 | |
| | TOTAL | | | | 8552.46 | |
| | Add Water Charges @ 1% except on A i.e on (8552.46 -4284.09 ) | | | | 42.68 | |
| | TOTAL | | | | 8595.15 | (X) |
| | Add GST 12% on "X" except A(multiplying factor 0.1405) | | | | 605.70 | |
| | TOTAL | | | | 9200.85 | (Y) |
| | Add CPOH @ 15% on "Y" except A (8595.15 -4284.09 ) | | | | 737.51 | |
| | Cost of 2.1 sqm | | | | 9938.36 | |
| | Cost of 1 sqm | | | | 4732.55 | |
| | Add labour cess @1% | | | | 47.33 | |
| | **Rate** | **sqm** | | | **4779.90** | |

**21.19 Filling the gap in between aluminium/ stone/ wood frame and adjacent RCC/ Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/structural non sag elastomeric PU sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete, complying to ASTM C920 , DIN 18540-F & ISO 11600**

**21.19.1 Upto 5 mm depth and 5 mm width**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for 10m length width 5mm & depth 5mm | | | | |
| | MATERIAL | | | | |
| 2604 | Weather/structural non sag elastomeric PU sealant (600ml Sausage) for joints in RCC/Brick/ Stone/ wood/ Ceramic/ Gypsum/Alluminium work complying to ASTM C920,DIN 18540-F & ISO 11600 incl all taxes | each | 1.00 | 495.14 | 495.14 |
| 8654 | Masking tape | metre | 20.00 | 2.14 | 42.81 |
| 9999 | Sundries, including charges of Sealant gun machine, dhoti etc | L.S. | 26.00 | 1.80 | 46.80 |
| 9977 | Carriage of material | L.S. | 8.40 | 1.80 | 15.14 |
| | LABOUR | | | | |
| 0123 | Mason (brick layer) 1st class | day | 0.40 | 342.00 | 136.80 |
| | TOTAL | | | | 736.69 |
| | Add 1 % Water charges | | | | 7.37 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 744.06 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 104.54 |
| | TOTAL | | | | 848.60 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 127.29 |
| | Cost of 10 metre | | | | 975.89 |
| | Cost per metre | | | | 97.59 |
| | Add labour cess @1% | | | | 0.98 |
| | **Rate** | **per metre** | | | **98.60** |
| **21.19.2** | **Upto 10 mm depth and 10 mm width** Details of cost for 10m length width 10mm & depth 10mm | | | | |
| | MATERIAL | | | | |
| 2604 | Weather/structural non sag elastomeric PU sealant (600ml Sausage) for joints in RCC/Brick/ Stone/ wood/ Ceramic/ Gypsum/Alluminium work complying to ASTM C920,DIN 18540-F & ISO 11600 incl all taxes | each | 1.50 | 495.14 | 742.72 |
| 8654 | Masking tape | metre | 20.00 | 2.14 | 42.81 |
| 9999 | Sundries, including charges of Sealant gun machine, dhoti etc | L.S. | 26.00 | 1.80 | 46.85 |
| 9977 | Carriage of material | L.S. | 8.40 | 1.80 | 15.14 |
| | LABOUR | | | | |
| 123 | Mason (brick layer) 1st class | day | 0.50 | 342.00 | 171.00 |
| | TOTAL | | | | 1018.51 |
| | Add 1 % Water charges | | | | 10.19 |
| | TOTAL | | | | 1028.70 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 144.53 |
| | TOTAL | | | | 1173.23 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 175.98 |
| | Cost of 10 metre | | | | 1349.22 |
| | Cost per metre | | | | 134.92 |
| | Add labour cess @1% | | | | 1.35 |
| | **Rate** | **per metre** | | | **136.30** |
| **21.19.3** | **Upto 20 mm depth and 20 mm width** Details of cost for 10m length width 20mm & depth 20mm | | | | |
| | MATERIAL | | | | |
| 2604 | Weather/structural non sag elastomeric PU sealant (600ml Sausage) for joints in RCC/Brick/ Stone/ wood/ Ceramic/ Gypsum/Alluminium work complying to ASTM C920,DIN 18540-F & ISO 11600 incl all taxes | each | 3.00 | 495.14 | 1485.43 |
| 8654 | Masking tape | metre | 20.00 | 2.14 | 42.81 |
| 2630 | Baker rod | metre | 10.00 | 4.65 | 46.54 |
| 9999 | Sundries, including charges of Sealant gun machine, dhoti etc | L.S. | 26.00 | 1.80 | 46.85 |
| 9977 | Carriage of material | L.S. | 8.40 | 1.80 | 15.14 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | LABOUR | | | | 0.00 | |
| 123 | Mason (brick layer) 1st class | day | 0.75 | 342.00 | 256.50 | |
| | TOTAL | | | | 1893.27 | |
| | Add 1 % Water charges | | | | 18.93 | |
| | TOTAL | | | | 1912.20 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 268.66 | |
| | TOTAL | | | | 2180.86 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 327.13 | |
| | Cost of 10 metre | | | | 2507.99 | |
| | Cost per metre | | | | 250.80 | |
| | Add labour cess @1% | | | | 2.51 | |
| | **Rate** | **per metre** | | | **253.30** | |

## SUB HEAD : 22.0

# WATER PROOFING

# 22.0 Water Proofing

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| **22.1** | **Providing and laying integral cement based treatment for water proofing on horizontal surfaces at all levels as directed by Engineer-in-charge and consisting of: I) 1st layer of 20 mm thick approved and specified rough stone slab over a 25 mm thick base of cement mortar 1:3 (1 cement:3 coarse sand) *mixed with* water proofing compound conforming to IS: 12645 in the recommnded proportion, Joints sealed and grouted with cement slurry mixed with water proofing compound conforming to IS: 12645 in proportions recommended by the manufacturer. I!) 2nd layer of 25 mm thick cement mortar 1:3 (1 cement:3 coarse sand) mixed with water proofing compound in recommended proportions. III) Finishing top with stone aggregate of 10 mm to 12 mm nominal size spreadidng @ 8 cudm/sqm thoroughly embedded in the 2nd layer.** | | | | | |
| **22.1.1** | **Using rough kota sotne.** | | | | | |
| | Details of cost for 10.30 sqm. | | | | | |
| | Materials: | | | | | |
| | tayer | | | | | |
| | Cement mortar 1:3 for fixing of stone | | | | | |
| | 10x0.025=0.25 | cum | 0.25 | 3246.34 | (2112) | 811.59 |
| | Kota stone slabs =10 sqm | | | | | |
| | Wastage© 10% = 1 sqm | | | | | |
| | = 11 sqm | sqm | 11 | 260.60 | (1169) | 2866.63 |
| | Cartage 11x0.025 @ 2330 kg/$m^3$=0.64 t | | 0.64 | 0.000 | (2216) | 0.000 |
| | Cement mortar 1:3 10x0.025 = 0.25 cum | | | | | |
| | Wastage @ 12% =,0.03 cum | | | | | |
| | 0.28 cum | cum | 0.28 | 3246.34 | (2112) | 908.98 |
| | Cement slurry. | | | | | |
| | Bed 2x10.30@ 2 kg/$m^2$ = 41.20 kg. | | | | | |
| | joints | | | | | |
| | 4x3.7x0.02x0.037 = 0.011 | | | | | |
| | 25x0.6x0.02x0.037=0.011 | | | | | |
| | 0.022 cum | | | | | |
| | @ 1440kg/cum 31.68 kg. | | | | | |
| | 72.88 = 0.073 t | tonne | 0.073 | 5474 | (0367) | 399.60 |
| | Carriage of cement | | 0.073 | 0.000 | (2209) | 0.000 |
| | Water proofing material: | | | | | |
| | Mortar =0.25 cum | | | | | |
| | 0.28 cum / | | | | | |
| | Cement 0.53 cum @ 5.1 q/cum = 2.70 quintal | | | | | |
| | Slurry = 0.73quintal | | | | | |
| | 3.43 quintal | | | | | |
| | @ 1 kg for 50 kg. of cementi.e. 4.85 kg. | kilogram | 4.86 | 32.575 | (1213) | 158.32 |
| | 12 mm stone grit @ 8 cudm/sqm | | | | | |
| | 1x10.30x8x1/1000=0.08 cum | cum | 0.08 | 649.26 | (0296) | 51.9408 |
| | Carriage | | 0.03 | 0.000 | (2202) | 0.000 |
| | Labour for base mortar & kota stone laying i.e. slurry job. | | | | | |
| | Mason II nd class | per day | 5.4 | 342.00 | (0123) | 1846.80 |
| | Beldar | per day | 6.5 | 254.00 | **(0114)** | 1651 |
| | Coolie | **per day** | **2.16** | **265.00** | **(0115)** | 572.4 |
| | Labour for top layer & spreading stone grit | | | | | |
| | Mason II nd class | **per** day | 1.08 | 342.00 | **(0123)** | 369.36 |
| | 8eldar | **per** day | 1.08 | 254.00 | **. (0114)** | 274.32 |
| | Bhishti | **per day** | 0.45 | 265.00 | **(0115)** | 119.25 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Sundries | **1 time** | 6.24 | 1.8 | (9999) | 11.232 |
| | Add for water charges @ 1 % | | | | | 100.41 |
| | Total | | | | | 10141.82 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 1424.926 |
| | Total | | | | | 11566.75 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 1735.01 |
| | Cost of 10.3 sqm | | | | | 13301.76 |
| | Cost of 1 sqm | | | | | 1291.43 |
| | Add labour cess @ 1% | | | | | 12.91 |
| | Rate including labour cess | | | | | 1304.34 |
| | | | **Say** | **Rs.1304.30** | **per sqm** | |
| **22.1.2** | **Using rough red sand stone. .** | | | | | |
| | Details of cost for 10.30 sqm. | | | | | |
| | **Materials:** | | | | | |
| | 1st layer | | | | | |
| | Cement mortar 1 ;3 for fixing of stone 10x0.025=0.25 | cum | 0.25 | 3246.34 | (2112) | 811.59 |
| | Kota stone slabs = 10 sqm | | | | | |
| | Wastage @ 10% = 1 sq | | | | | |
| | = 11 sqm | sqm | 11 | 167.53 | (1166) | 1842.83 |
| | Cartage 11x0.025 @ 2330 kg/m'=0.64 t | tonne | 0.64 | 0.00 | (2216) | 0.00 |
| | Cement mortar 1:3 10x0.025 = 0.25 cum | | | | | |
| | Wastage © 12% =.0.03 cum 0.28 cum | cum | 0.28 | 3246.34 | (2112) | 908.98 |
| | Cement slurry. | | | | | |
| | Bed 2x10.30@ 2 kg/$m^2$ = 41.20 kg. | | | | | |
| | joints | | | | | |
| | 4x3.7x0.02x0.037 = 0.011 | | | | | |
| | 25x0.6x0.02x0.037=0.011 | | | | | |
| | 0.022 cum | | | | | |
| | @ 1440kg/cum 31.58 kq. | | | | | |
| | 72.83 = 0.073 t | tonne | 0.073 | 5474.00 | (0367) | 399.60 |
| | Carriage of cement | tonne | 0.073 | 0.00 | (2209) | 0.00 |
| | Water proofing material: | | | | | |
| | Mortar =0.25 cum | | | | | |
| | 0.28 cum / | | | | | |
| | Cement 0.53 cum @ 5.1 q/cum = 2.70 quintal | | | | | |
| | Slkurry = 0.73qumtal | | | | | |
| | 3.43 quintal | | | | | |
| | @ 1 kg for 50 kg. of cementi'e. 4.86 kq. | kilogram | 4.86 | 32.58 | (1213) | 158.32 |
| | 12 mm stone grit @ 8 cudm/sqm | | | | | |
| | 1x10.30x8x1/1000=0 08 cum | cum | 0.08 | 649.26 | (0296) | 51.94 |
| | Carriage | cum | 0.08 | 0.00 | (2202) | 0.00 |
| | Labour for base mortar & kota stone laying i.e. slurry job. | | | | | |
| | Mason II nd class | per day | 5.4 | 342.00 | (0123) | 1846.80 |
| | Beldar | per day | 6.5 | 254.00 | (01 14) | 1651.00 |
| | Coolie | per d.-jy | 2.16 | 265.00 | (0115) | 572.40 |
| | labour for top layer spreading stone grit | | | | | |
| | Mason II nd class | per day | 1.08 | 342.00 | (0123) | 369.36 |
| | Beldar | per day | 1.08 | 254.00 | (0114) | 274.32 |
| | Bhishti | per day | 0.45 | 265.00 | (0115) | 119.25 |
| | Sundries | 1 time | 2.4 | 1.80 | (9999) | 4.32 |
| | Add for water charges @ 1 % | | | | | 90.11 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Total | | | | | 9100.81 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 1278.66 | |
| | Total | | | | | 10379.47 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 1556.92 | |
| | Cost of 10.3 sqm | | | | | 11936.39 | |
| | Cost of 1 sqm | | | | | 1158.87 | |
| | Add labour cess @ 1% | | | | | 11.59 | |
| | Rate including labour cess | | | | | 1170.46 | |
| | | | | **Say Rs.1170.50 per sqm** | | | |
| **22.2** | **Providing and laying integral cement based treatment for water proofing on the vertical surface by fixing sspecified stone slab 20 mm thick with camnt slurry mixed with water proofing compound conforming to IS: 2645 in recommended proportion with a gap of 20 mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with cement mortor 1:4 (1cement:4 coarse sand) 20 mm thick with neat cement punning mixed witn water proofing compound in recommended proportion complete at all levels and as directed by Engineer-in-charge.** | | | | | | |
| 22.2.1 | **Using rouch kota stone** | | | | | | |
| | Details of cost for 10.30 sqm. | | | | | | |
| | Materials: | | | | | | |
| | 1st layer | | | | | | |
| | Kota stone stabs=10 sqn | | | | | | |
| | Wastage © 10% = 1 sqm | | | | | | |
| | = 11 sqm | sqm | 11 | 260.60 | (1169) | 2866.63 | |
| | Cartage 110.025 @ 2330kg/m3=0.64 t | tonne | 0.64 | 0 | (2216) | 0.00 | |
| | Cement slurry for jointing. | | | | | | |
| | 6x3.70 -22.20 m | | | | | | |
| | 7x2.78 =19.45 m | | | | | | |
| | 41.66 m | | | | | | |
| | 41.65x0.025x0.012 =0.013 cum | | | | | | |
| | Cement slurry fo' filling 20 mm gap. 10x0.02 =0.200 cum | | | | | | |
| | 0.213 cum | | | | | | |
| | 0.213cum@ 1440 kg/cum=306.70 or 0.307 t | tonne | 0.31 | 5474 | (0367) | 1696.94 | |
| | Carriage | tonne | 0.31 | 0 | (2209) | 0.00 | |
| | Cement plaste 1:3 with neat cement punning | sqm | 10 | 251.75 | (13.13.1) + 13.26) | 2517.46 | (A) |
| | (Rate as per item no. 13.16.1) | | | | | | |
| | Water profing material | | | | | | |
| | Cement slurry 0.31 t =310 kg. | | | | | | |
| | Cement plaster 1:3@ 1 3.62 q/100 sqm136.20 kg. | | | | | | |
| | 446.20 kg | | | | | | |
| | @ 1 kg per 50 kg of cen,ent=3.90 kg. | kilogram | 8.90 | 32.58 | (1213) | 289.92 | |
| | Labour: | | | | | | |
| | Fixing kota stone | | | | | | |
| | Mason II nd dass | per day | 6.50 | 305.00 | (0124) | 1982.50 | |
| | Beldar | per day | 6.50 | 254.00 | (0114) | 1651.00 | |
| | Coolie | per day | 2.16 | 265.00 | (0115) | 572.40 | |
| | Labour: | | | | | | |
| | For applying cement slurry | | | | | | |
| | Beldar | per day | 4.70 | 254.00 | (0114) | 1193.80 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Sundries & scaffolding | 1 time | 7.00 | 1.80 | (9999) | 12.60 | |
| | Add for water charages @ 1% except on 'A' | | | | | 102.66 | |
| | Total | | | | | 12885.91 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | | 1456.77 | |
| | Total | | | | | 14342.67 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" except A | | | | | 1773.78 | |
| | Cost of 10sqm | | | | | 16116.46 | |
| | Cost of 1 sqm | | | | | 1611.65 | |
| | Add labour cess @ 1% | | | | | 16.12 | |
| | Rate including labour cess | | | | | 1627.77 | |
| | | | **Say** | **Rs.1627.80** | **per sqm** | | |
| **22.2.2** | **Using rough red sand stone.** | | | | | | |
| | Details of cost for 10.30'sqm. | | | | | | |
| | Materials: | | | | | | |
| | 1st layer | | | | | | |
| | Kota stone s!abs=10 sqm | | | | | | |
| | Wastage @ 10% = 1 sqm | | | | | | |
| | = 11 sqm | sqm | 11 | 167.53 | (1166) | 1842.83 | |
| | Cart3ge 110.025 2330kg/$m^3$=0.54 t | tonne | 0.64 | 0.00 | (2216) | 0.00 | |
| | Cement slurry for jointing. | | | | | | |
| | 6x3.70 =22.20 m | | | | | | |
| | 7x2.78 =19.45 m | | | | | | |
| | 41.66m | | | | | | |
| | 41.66x0.025x0.012 =0.013 cum | | | | | | |
| | Cement slurry for filling 20 mm gap. 10x0.02 =0.200 cum | | | | | | |
| | 0.213 cum | | | | | | |
| | 0.213 cum@ 1440 kg/cum=306.70 or 0.307 t | tonne | 0.31 | 5474.00 | (0367) | 1696.94 | |
| | Carriage | tonne | 0.31 | 0.00 | (2209) | 0.00 | |
| | Cement plaste 1:3 wittrneat cement punning | sqm | 10 | 251.75 | (13.13.1 + 13.26) | 2517.46 | (A) |
| | (Rate as per item no. 13.16.1) | | | | | | |
| | Water profmg material | | | | | | |
| | Cement slurry 0.31 t =- 310 kg. | | | | | | |
| | Cement plaster 1:3 @ 13.62 q/100 sc^ii 3C.20 kg | | | | | | |
| | 446.20 kg | | | | | | |
| | @ 1 kg per 50 kg of cement=8.90 kg | kilogram | 8.9 | 32.5753191 | (1213) | 289.92 | |
| | **Labour:** | | | | | | |
| | Fixing kota stone | | | | | | |
| | mason II nd class | per day | 6.5 | 305.00 | (0124) | 1982.50 | |
| | Beldar | per day | 6.5 | 254.00 | (0114) | 1651.00 | |
| | Coolie | per day | 2.16 | 265.00 | (0115) | 572.40 | |
| | Labour; | | | | | | |
| | For applying cement slurry | | | | | | |
| | Beldar | per day | 4.7 | 254.00 | (01 14) | 1193.80 | |
| | Sundries & scaffolding | 1 time | 7 | 1.80 | (9999) | 12.60 | |
| | Add for water charages @ 1% except on 'A' | | | | | 92.42 | |
| | Total | | | | | 11851.87 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | | 1311.48 | |
| | Total | | | | | 13163.36 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" except A | | | | | 1596.88 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Cost of 10 sqm | | | | | 14760.24 |
| | Cost of 1 sqm | . | | | | 1476.02 |
| | Add labour cess @ 1% | | | | | 14.76 |
| | Rate including labour cess | | | | | 1490.78 |
| | | | | **Say Rs.1490.80 per sqm** | | |

**22.3 Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C. kitchen and the like consisting of.**
**(i) 1st course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions.**
**(ii) II nd course of 20 mm cement plaster 1:3 (1 cement3 coarse sand)mixed with water proofing compound in recommended proportion;**
**(iii) IIrd course of applying blown or/residual bitumen aplied hot at 1.7 kg. per sqm of area.**
**(iv) ivth course'of 400 micron thick PVC sheet.(Overiaps at joints of PVC shet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).**

| | | | | | |
|---|---|---|---|---|---|
| Details of cost for 10 sqm | | | | | |
| Materials: | | | | | |
| Cement slurry @ 4.4 kg/sqm=44.00 kg or 0.044 t | tonne | 0.044 | 5474.00 | (0367) | 240.86 |
| Carriage | tonne | 0.044 | 0.00 | (2209) | 0.00 |
| Cement plaster 1:3 ( 20 mm thick) | Sjn'i | 10 | 213.48 | (13.13.1) | 2134.84 (A) |
| {Rate as per item no. 13.13.1 SH finisinng) | | | | | |
| Bitumen blow or/and residual bitumen = | | | | | |
| 10x1.70=17 kg = 0.017 t | tonn^ | 0.017 | 32166.73 | (0313) | 546.83 |
| Carnae | tonne | 0.017 | 0.00 | (2211) | 0.00 |
| P.V.C. 400 micron thick sheet | sqm | 10 | 37.23 | (3002) | 372.29 |
| Carriage | 1 time | 5 | 1.80 | (9999) | 9.00 |
| Water proofing compound @ 1 kg per 50 kg or cement used | | | | | |
| Cement slurry = 44 kg | | | | | |
| Cement plaster 1:3 ( 20 mm thick) | | | | | |
| 10x(13.62x100)/100=136.2/180.2kg | kilogram | 3.6 | 32.58 | (1213) | 117.27 |
| Labour: | | | | | |
| Printer | ***02'* 03)'** | 0.2 | 323.00 | (0131) | 64.60 |
| Beldar | per day | *1.33* | 254.00 | (01 14) | 337.82 |
| Mistry | per day | 0.06 | 254.00 | (0130) | 15.24 |
| Sundries | 1 time | 2.8 | 1.80 | . (9999) | 5.04 |
| Add for water charages @ 1 % for except on 'A' | | | | | 17.09 |
| Total | | | | | 3860.88 (X) |
| Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | | 242.51 |
| Total | | | | | 4103.39 (Y) |
| Add for contractor's profit and over-heads @ 15% on "Y" except A | | | | | 295.28 |
| Cost of 10 sqm | | | | | 4398.67 |
| Cost of 1 sqm | | | | | 439.87 |
| Add labour cess @ 1% | | | | | 4.40 |
| Rate including labour cess | | | | | 444.27 |
| | | | **Say Rs.444.30** | **per sqm** | |

**22.4 Providing and Placing in position suitable PVC water stops for construction/expansion joints between two RCC memberrs and fixed to the reinforcement with binding wire before pouring concrete etc. complete**

**22.4 1 Serrated with central of (225 mm wide, 8-11 mm thick)**

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | **Details of cost for 100 metre** | | | | | |
| | **Materials:** | | | | | |
| | Water stope serrated with bulb | metre | 100.00 | 196.38 | (7427) | 19638.26 |
| | Labour: | | | | | |
| | Beldar | per day | *2* | 254.00 | (0114) | 508.00 |
| | Sundreis & wire etc. | 1 time | **10** | 1.80 | (9999) | 18.00 |
| | Total | | | | | 20164.26 |
| | Add for water charges @ 1% | | | | | 201.64 |
| | Total | | | | | 20365.91 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 2861.41 |
| | Total | | | | | 23227.32 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 3484.10 |
| | Cost of 100 m | | | | | 26711.41 |
| | Cost of 1 m | | | | | 267.11 |
| | | | **Say** | **Rs.267.10** | **per metre** | |
| | Note: Analysis for the following items is same except code Nos. | | | | | |
| **22.4.2** | **Dumb bell with Central bulb (180 mm wide. 8 mm thick)** | | | | | |
| | Details of cost for 100 metre | | | | | |
| | Materials: | metre | 100 | 153.57 | (7428) | 15356.94 |
| | Water stope serrated with bulb | | | | | |
| | Labour: | | | | | 0.00 |
| | Beldar | per day | 2 | 254.00 | (0114) | 508.00 |
| | Sundreis & wire etc. | 1 time | 10 | 1.8 | (9999) | 18.00 |
| | Add for water charges @ 1% | | | | | 158.83 |
| | Total | | | | | 16041.77 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 2253.87 |
| | Total | | | | | 18295.63 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 2744.35 |
| | Cost of 100m | | | | | 21039.98 |
| | Cost of 1 m | | | | | 210.40 |
| | Add labour cess @ 1% | | | | | 2.10 |
| | Rate including labour cess | | | | | 212.50 |
| | | | **Say** | **Rs.212.50** | **per metre** | - |
| 22.4.3 | **Kickers (320 mm wide 5mm thick)** | | | | | |
| | Details of cost for 100 metie | | | | | |
| | Materials: | | | | | |
| | Water stope serrated with bulb | metre | 100.00 | 181.49 | (7429) | 18149.11 |
| | Labour: | | | | | |
| | Beldar | per day | 2.00 | 254.00 | (0114) | 508.00 |
| | Sundreis & wire etc. | 1 time | 10 | 1.8 | (9999) | 18.00 |
| | Add for water charges @ 1 % | | | | | 186.75 |
| | Total | | | | | 18861.86 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 2650.09 |
| | Total | | | | | 21511.95 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 3226.79 |
| | Cost of 100 m | | | | | 24738.74 |
| | Cost of 1 m | | | | | 247.39 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Add labour cess @ 1% | | | | | 2.47 |
| | Rate including labour cess | | | | | 249.86 |
| | | | | **Say** | **Rs.249.90** | **per metre** |
| **22.5** | **Providing and laying in situ five course water proofing treatment with glass fibre tissue reinforced bitumen over roof consisting of first coat of bitumen primer @ 0.40 kg. per sqm, 2nd & 4th courses of bonding material© 1.60 kg. per sqm which shall consist of blown type bitumen of grade 85/25 conforming to IS: 702, third layer of glass ffibre tissuue course as specified, fifth, the top most layer of stone grit 6 mm and down size or pea-sized gravel sprad @ 6 dm$^3$ per sqm including preparation of surface excluding grading for slope etc. complete.** | | | | | |
| | Details of cost for 30 sqm | | | | | |
| | Materials: | | | | | |
| | Galss fibre tissue 30 sqm. | | | | | |
| | Add 10% for wastage = 3 sqm | | | | | |
| | Total = 33 sqm. | sqm | 33 | 80.04 | (7233) | 2641.39 |
| | Bitumen primer 0.4.30 = 12 kg. | litre | 12 | 46.54 | (0316) | 558.43 |
| | Bonding material 1.6 kq.x30x2 = 95 kg. | tonne | 0.096 | 32166.73 | (0313) | 3088.01 |
| | Bitumen (Blown/residual tvpe) | | | | | |
| | pea-size gravel | cum | 0.18 | 739.93 | (1177) | 133.19 |
| | Carnage of bitumen primer | tonne | 0.12 | 0.00 | (2211) | 0.00 |
| | Carriage of glass fibre | 1 time | 3 | 1.80 | (9999) | 5.40 |
| | Carriage of pea-sized gravel | cum | 0.18 | 0.00 | (2311) | 0.00 |
| | Fuel(Steam coal) | quintal | 0.29 | 372.29 | (0370) | 107.96 |
| | Carriage of fuel | 100 metre | 0.029 | 0.00 | (2220) | 0.00 |
| | Preparing roof surfafe, cutting grooves and making | | | | | |
| | good the same. | i i:me | 51.75 | 1.80 | (9999) | 93.15 |
| | Labour: | | | | | |
| | Painter | per day | 2.7 | 323.00 | (0131) | 872.10 |
| | Beldar | per day | 4.05 | 254.00 | (0114) | 1028.70 |
| | Mistry | *per* day | 0.23 | 254.00 | (0130) | 58.42 |
| | Sundries,brushes etc. | 1 time | 2.6 | 1.80 | (9999) | 4.68 |
| | Add for water charges @ 1% | | | | | 85.91 |
| | Total | | | | | 8677.35 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 1219.17 |
| | Total | | | | | 9896.52 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 1484.48 |
| | Cost of 30 sqm | | | | | 11380.99 |
| | Cost of 1 sqm | | | | | 379.37 |
| | Add labour cess @ 1% | | | | | 3.79 |
| | Rate including labour cess | | | | | 383.16 |
| | | | | **Say** | **Rs.383.20** | **per sqm** |
| **22.6** | **Providing and laying in situ seven course water profmg treatment with flass fibre tissue reinforced bitumen over roof consisting of first coat of bitumen primer @ 0.40 Kg. per sqm . 2nd . 4th S 6th courses of bonding material @ 1.50 kg. per sqm . which shall consist of blown typvv bitumen of grade 85/25 conforming to IS : 702 . third and fiuh layers of glass fibre tissue course as s;. scified . seventh , the top pea-sized gravel spread @ 6 dm' per sqm , including prepatation of surface excluding grading for slope etc. complete.** | | | | | |
| | Details of cost for 30.00 sqm | | | | | |
| | Cost of materials | | | | | |
| | Glass fibre tissue (Two layers ) | | | | | |
| | 2x30 =60 sqm | | | | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Add 10 % for wastage 6 sqm 66 scjiin | **sqm** | 66 | 80.04 | (7233) | 5282.79 |
| | Bitumen prmer 0.4 x 30 = 12 kg | **litre** | 12 | 46.54 | (0316) | 558.43 |
| | Bonding material (Three courses ) | | | | | |
| | Bitumen (Blown or residual type ) | | | | | |
| | 48x3 = 144 kg | **tonne** | **0.144** | 32166.73 | **(0313)** | 4632.01 |
| | Pea - size gravel | **cum** | **0.18** | 739.93 | **(1177)** | 133.19 |
| | Carriage of bitumen primer | **tonne** | **0.156** | 0.00 | **(2211)** | 0.00 |
| | Carriage of glass fibre tissue | **1 time** | 3 | 1.80 | **(9999)** | 5.40 |
| | Carriage of pea-size gravel | **cum** | 0.18 | 0.00 | (2311) | 0.00 |
| | Fuel (steam coal) | quintal | 0.29 | 372.29 | (0370) | 107.96 |
| | Carriage of fuel | 100 metre | 0.029 | 0.00 | (2220) | 0.00 |
| | Preparing roof surface . cutting grooves and making good the same | 1 time | 51.75 | 1.80 | **(9999)** | 93.15 |
| | Labour: | | | | | |
| | Painter | per day | 3.78 | 323.00 | (0131) | 1220.94 |
| | Beldar | per day | 5.67 | 254.00 | (0114) | 1440.18 |
| | Mistry | per day | 0.32 | 254.00 | (0130) | 81.28 |
| | Sundries , brushes etc . | 1 time | 2.6 | 1.80 | (9999) | 4.68 |
| | Ado for water charges @ 1 % | | | | | 135.60 |
| | Total | | | | | 13695.61 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 1924.23 |
| | Total | | | | | 15619.84 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 2342.98 |
| | Cost of 30 sqm | | | | | 17962.82 |
| | Cost of 1 sqm | | | | | 598.76 |
| | Add labour cess @ 1% | | | | | 5.99 |
| | Rate including labour cess | | | | | 604.75 |
| | | | | **Say** | **Rs.604.80** | **per sqm** |

**22.7** **Providing and laying in situ nine course water proofing treatment with glass fibre tissue reinforced bitumen over roof consisting of first coa! of bitumen primer @ 0.40 kg. per sqm , 2nd , 4th . 6th . 8th coures of bonding material @ 1.60 kg per sqm . which shall consist of blown tyoe bitumen of grade 85/25 conforming to IS :702 . third . fifith and seventh courses of fiass fibre tissue . as specified , ninth , the top most layer of stone grit 6 mm and down size or pea-sized gravel spread @ 6 dm$^7$ per sqm including preparation of surface excluding grading for slope etc. compete.**

Details of cost for 30.00 sqm

| | | | | | |
|---|---|---|---|---|---|
| Materials: | | | | | |
| Glass fibre tissue (three layers ) 3x30 = 90. sqm . | | | | | |
| Add 10% for wastage 9 sqm | sqm | 99.00 | 80.04 | (7233) | 7924.18 |
| Bitumen primer | litre | 12.00 | 46.54 | (0316) | 558.43 |
| Bitmen blown /residua! tvpe 4 coarse x 48 = 192 kg | tonne | 0.19 | 32166.73 | (0313) | 6176.01 |
| Pea - size gravel | cum | 0.18 | 739.93 | (1177) | 133.19 |
| Carnage of glass fibre tissue | 1 time | 4.00 | 1.80 | (9999) | 7.20 |
| Carriage of pea - sized gravel | cum | 0.18 | 0.00 | (2311) | 0.00 |
| Carriage of bitumen and primer | tonne | 0.20 | 0.00 | (2211) | 0.00 |
| Fuel (Steam coai ) 2x .192 = 384 quintal | quintal | 0.38 | 372.29 | (0370) | 142.96 |
| Carriage of fuel '= | 100 metre | 0.04 | 0.00 | (2220) | 0.00 |
| Preparing roof surface . cutting , grooves and making good the same | 1 time | 51.75 | 1.80 | (9999) | 93.15 |
| **Labour:** | | | | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Painter | per day | 4.86 | 323.00 | (0131) | 1569.78 |
| | Beldar | per day | 7.29 | 254.00 | (0114) | 1851.66 |
| | Mistry | per day | 0.10 | 254.00 | (0130), | 25.40 |
| | Sundries , brushes etc. | 1 time | 2.60 | 1.80 | (9999) | 4.68 |
| | Add for water charges @ 1 % | | | | | 184.87 |
| | Total | | | | | 18671.51 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 2623.35 |
| | Total | | | | | 21294.85 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 3194.23 |
| | Cost of 30 sqm | | | | | 24489.08 |
| | Cost of -1 sqm | | | | | 816.30 |
| | Add labour cess @ 1% | | | | | 8.16 |
| | Rate including labour cess | | | | | 824.46 |
| | | | | **Say** | **Rs.824.50** | **per sqm** |

**22.8 Providing and laying integral cement based water proofing treatment including prepatation of surface as required for treatment of roofs . balconies . terraces etc, consisting of following operations .a) Applying and grouting a slurry coat of neat cement using 2.75 kn/sqm of cement admixed with proprietary water proofing compound cleaning the surface before treatment . b) Laying cement concrete using broken bucks / brick bats 25 mm to 100 mm size with 50 % of cement mortar 1:5 ( 1 cement: 5 coarse sand ) admixed with proprietary water proofing compound conforming to IS : 2645 over 20 mm thick layer of cement mortar of mix 1.5 (1 cement: 5 coarse sand ) admixed with proprietary water froofing compound conforming to IS 2545 to reuired slope and treating similary the adjoining walls upto 300 mm height including rounding of junctions of walls ad slabs . c) After two days of proper curing applying a secoung coat of cement slurry admixed with proprietary water proofing compound conforming to IS : 2645. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement: 4 coarse sand ) admixed with proprietary water proofing , compound conforming to IS : 2645 and finally finishing the surface with trowel with neat cement slurry and making of 300 x 300 mm square . (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specifed by the Enqineer-in-Charge.**

| | | | | | | |
|---|---|---|---|---|---|---|
| **22.8.1** | **With average thickness of 120 mm and minimum thickness at khurras point to be 65 ..** | | | | | |
| | Details of cost for 10 sqm | | | | | |
| | Materials: | | | | | |
| | i) Cement slurry | | | | | |
| | cement | tonne | 0.0275 | 5474 | (0367) | 150.54 |
| | Beldar | osr day | 0.2 | 254.00 | (0114) | 50.80 |
| | ii) cement mortar 1:5 ( 1 cement : 5 coarse sand } | cum | 0.224 | 2151.54 | (2114) | 481.95 |
| | **iii) Roof** | | | | | |
| | **Details of cost for 10 sqm** | | | | | |
| | **Materials:** | | | | | |
| | **Brick bats/brick aggregate** | **cum** | **0.94** | **1222** | **(0285)** | 1148.68 |
| | **Carriage** | cum | **0.94** | **0** | **(2260)** | 0.00 |
| | **Cement mortar 1:5** | cum | **0.5** | **2151.54** | **(2114)** | 1075.77 |
| | **Labour:** | | | | | |
| | **Beldar** | per **day** | 1.75 | 254.00 | **(0114)** | 444.50 |
| | **Bhisti** | per **day** | **0.28** | **277.00** | **(0101)** | 77.56 |
| | **Mason 1st class** | per day | 0.05 | 342.00 | **(0123)** | 17.10 |
| | **Mason 2nd class** | per day | 0.05 | 305.00 | **(0124)** | 15.25 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | **Mate -** | per day | **0.04** | **270.00** | **(0128)** | 10.80 |
| | **Extra labour, for ramming** | | | | | |
| | **Beldar** | per day | **0.25** | **254.00** | **(0114)** | 63.50 |
| | Sundries | 1 time | 13.65 | 1.8 | (9999) | 24.57 |
| | **iv) Cement slurry** | | | | | |
| | Cement | tonne | 0.0275 | 5474 | (0367) | 150.54 |
| | Beldar | per day | 0.2 | 254.00 | (0114) | 50.80 |
| | **v) 20 mm cement plaster 1:4 (1 cement: 4 coarse sand)** | sqm | 10 | 192.37 | (13.13.2) | 1923.68 (A) |
| | (Rate as per item no 13.13.2) | | | | | |
| | **vi) Water proofing compound** | | | | | |
| | 27.50+27.50+69.40+124.00=248.40 kg @1 kg per bag of cement(50 kg) | kilogram | 5 | 32.58 | (1213) | 162.88 |
| | Extra for making chequre for 10 sqm | | | | | |
| | Mason llnd class | per day | 0.36 | 305.00 | (0124) | 109.80 |
| | Beidar | per day | 0.36 | 254.00 | (0114) | 91.44 |
| | Chequer plate | 1 time | 5.25 | 1.8 | (9999) | 9.45 |
| | Add labour for iayino 20 mm bed mortar | | | | | |
| | Mason llnd class | per day | 0.54 | 305.00 | (0124) | 164.70 |
| | Beldar | per day | 0.54 | 254.00 | (0114) | 137.16 |
| | Bhisti | per day | 0.45 | 277.00 | (0101) | 124.65 |
| | Add for water charges @ 1% on all except 'A' | | | | | 45.62 |
| | Total | | | | | 6531.73 (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | | 647.43 |
| | Total | | | | | 7179.16 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" except A | | | | | 788.32 |
| | Cost of 10 sqm | | | | | 7967.48 |
| | Cost of 1 sqm | | | | | 796.75 |
| | Add labour cess @ 1% | | | | | 7.97 |
| | Rate including labour cess | | | | | 804.72 |

**Say Rs.804.70 per sqm**

**22.9.1** **Providing and laying in situ seven course water proofing treatment with APP (Atactic poly-propylene) modified Polymeric membrane over roof consisting of first coat of bitumen primer @ 0.40Kg per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 1.5mm thick of 2.25 Kg/sqm weight consisting of five layers prefabricated with centre core as 20micron HMHDPE film sandwitched on both sides with polymeric mix and the polymeric mix is protected on both side with 20micron HMHDPE film. 7th, the top most layer shall be finished with brick tiles of class designation 100 grouted with cement mortar 1:3 (lcement:3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12mm layer of cement mortar 1:3 (1 cement: 3 fine sand) and finished neat which shall be paid for separately .**

Details of cost for 30 sqm

**MATERIAL**

| | | | | | |
|---|---|---|---|---|---|
| APP modified polymeric felt (two layers) 1.5 mm thick = 2x30 = 60 sqm<br>Add 10% wastage = 6 sqm<br>Total = 66 sqm | sqm | 66.00 | 69.80 | 8200 | 4607.08 |
| Bitumen primer 0.4x30 = 12 | litre | 12.00 | 46.54 | 0316 | 558.43 |
| Bitumen (Blown/ residual type) 3x36 =108 kg = 0.108 tonne | tonne | 0.11 | 32166.73 | 0313 | 3474.01 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Carriage of bitumen primer | tonne | 0.12 | 53.21 | 2211 | 6.39 |
| | Carriage of polymeric felt | L.S. | 7.80 | 1.80 | 9999 | 14.04 |
| | Fuel (steam coal) | quintal | 0.17 | 372.29 | 0370 | 64.78 |
| | Carriage of fuel | tonne | 0.02 | 60.81 | 2200 | 1.06 |
| | Preparing roof surface, cutting grooves and making good the same | L.S. | 134.55 | 1.80 | 9999 | 242.19 |
| | LABOUR | | | | | |
| | Painter | Day | 2.16 | 323.00 | 0131 | 697.68 |
| | Beldar | Day | 3.24 | 254.00 | 0114 | 822.96 |
| | Mistry | Day | 0.18 | 254.00 | 0130 | 45.72 |
| | Sundries, brushes etc | L.S. | 6.76 | 1.80 | 9999 | 12.17 |
| | TOTAL | | | | | 10546.50 |
| | Add 1 % for water charges | | | | | 105.47 |
| | TOTAL | | | | | 10651.97 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 1496.60 |
| | Total | | | | | 12148.57 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 1822.29 |
| | Cost for 30 sqm | | | | | 13970.85 |
| | Cost for 1 sqm | | | | | 465.70 |
| | Add labour cess @ 1% | | | | | 4.66 |
| | Rate including labour cess | | | | | 470.36 |
| | | | | **Say** | **Rs.470.40** | **per sqm** |

**22.9.2** **Providing and laying in situ five course water proofing treatment with APP (Atactic Polypropylene) modified Polymeric membrane over roof consisting of first coat of bitumen primer @ 0.40Kg per sqm, 2nd & 4th courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS: 702, 3rd layer of roofing membrane APP modified Polymeric membrane 2.0mm thick of 3.00 Kg/sqm weight consisting of five layers prefabricated with centre core as IOOmicron HMHDPE film sandwitched on both sides with polymeric mix and the polymeric mix is protected on both side with 20micron HMHDPE film. 5th, the top most layer shall be finished with brick tiles of class designation 100 grouted with cement mortar 1:3 (1 cement: 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat which shall be paid for separately as per DSR Item No. 12.19.**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Details of cost for 30 sqm | | | | | |
| | MATERIAL | | | | | |
| | APP modified polymeric felt (two layers) 2.0 mm thick =30 sqm | | | | | |
| | Total = 33 sqm | sqm | 33.00 | 91.21 | (8201) | 3009.96 |
| | Bitumen primer 0.4x30 = 12 | litre | 12.00 | 46.54 | 0316 | 558.43 |
| | Bitumen (Blown/ residual type) 1.20x30x2 =72 kg = 0.072 tonne | tonne | 0.07 | 32166.73 | 0313 | 2316.00 |
| | Carriage of bitumen primer | tonne | 0.08 | 53.21 | 2211 | 4.47 |
| | Carriage of polymeric felt | L.S. | 7.80 | 1.80 | 9999 | 14.04 |
| | Fuel (steam coal) | quintal | 0.17 | 372.29 | 0370 | 64.78 |
| | Carriage of fuel | tonne | 0.02 | 60.81 | 2200 | 1.06 |
| | Preparing roof surface, cutting grooves and making good the same | L.S. | 134.55 | 1.80 | 9999 | 242.19 |
| | LABOUR | | | | | |
| | Painter | Day | 1.58 | 323.00 | 0131 | 510.34 |
| | Beldar | Day | 2.37 | 254.00 | 0114 | 601.98 |
| | Mistry | Day | 0.13 | 254.00 | 0130 | 33.02 |
| | Sundries, brushes etc | L.S. | 6.76 | 1.80 | 9999 | 12.17 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | TOTAL | | | | | 7368.44 |
| | Add 1 % for water charges | | | | | 73.68 |
| | TOTAL | | | | | 7442.13 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 1045.62 |
| | Total | | | | | 8487.75 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 1273.16 |
| | Cost for 30 sqm | | | | | 9760.91 |
| | Cost for 1 sqm | | | | | 325.36 |
| | Add labour cess @ 1% | | | | | 3.25 |
| | Rate including labour cess | | | | | 328.61 |
| | | | | **Say Rs.328.60 per sqm** | | |

**22.9.3** **Providing and laying in situ seven course water proofing treatment with APP (AtacticPolypropylene) modified Polymeric membrane over roof consisting of first coat of bitumen primer @ 0.40Kg per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 2.0mm thick of 3.00 Kg/sqm weight consisting of five layers prefabricated with centre core as 1 OOmicron HMHDPE film sandwitched on both sides with polymeric mix and the polymeric mix is protected on both side with 20micron HMHDPE film. 7th, the top most layer shall be finished with brick tiles of class designation 100 grouted with cement mortar 1:3 (1 cement: 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 ( 1 cement: 3 fine sand) and finished neat which shall be paid for separately .**

| | | | | | |
|---|---|---|---|---|---|
| Details of cost for 30 sqm | | | | | |
| MATERIAL | | | | | |
| APP modified polymeric felt (two layers) 2.0 mm thick = 3x30 = 60 sqm | | | | | |
| Add 10% waistage = 6 sqm | | | | | |
| Total = 66 sqm | sqm | 66.00 | 91.21 | (8201) | 6019.92 |
| Bitumen primer 0.4x30 = 12 | litre | 12.00 | 46.54 | (316) | 558.43 |
| Bitumen (Blown/ residual type) 3course x 36 = 108 kg = 0.108 tonne | tonne | 0.11 | 32166.73 | (0313) | 3474.01 |
| Carriage of bitumen primer | tonne | 0.12 | 53.21 | (2211) | 6.39 |
| Carriage of polymeric felt | L.S. | 7.80 | 1.80 | (9999) | 14.04 |
| Fuel (steam coal) | quintal | 0.17 | 372.29 | (0370) | 64.78 |
| Carriage of fuel | tonne | 0.02 | 60.81 | (2200) | 1.06 |
| Preparing roof surface, cutting grooves and making good the same | L.S. | 134.55 | 1.80 | (9999) | 242.19 |
| LABOUR | | | | | |
| Painter | Day | 2.16 | 323.00 | (0131) | 697.68 |
| Beldar | Day | 3.24 | 254.00 | (0114) | 822.96 |
| Mistry | Day | 0.18 | 254.00 | (0130) | 45.72 |
| Sundries, brushes etc | L.S. | 6.76 | 1.80 | (9999) | 12.17 |
| TOTAL | | | | | 11959.34 |
| Add 1% for water charges | | | | | 119.59 |
| TOTAL | | | | | 12078.93 (X) |
| Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 1697.09 |
| Total | | | | | 13776.02 (Y) |
| Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 2066.40 |
| Cost for 30 sqm | | | | | 15842.43 |
| Cost for 1 sqm | | | | | 528.08 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | Add labour cess @ 1% | | | | | 5.28 |
| | Rate including labour cess | | | | | 533.36 |
| | | | | **Say** | **Rs.533.40** | **per sqm** |

**22.18 Providing and fixing APP (Atactic Polypropylene Polymer) modified prefabricated five layer 2 mm thick water proofing membrance, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/ sqm by the same membrance manufacture of density at 25°C, 0.87 - 0.89 kg/ litre and viscocity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using Butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/ 5cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacture of membrane.**

**22.18.1 2 mm (for corrugated roof sheets).**

Details of cost for 30 sqm.

**MATERIAL:**

A.P.P. modified 2 mm thick - 30 sqm
Add 10% for waistage = 3 sqm
Total = 33 sqm

| | | | | | |
|---|---|---|---|---|---|
| A.P.P. modified 2 mm thick membrane reinforced with glass fibre matt | sqm | 33 | 93.07 | 8203 | 30 71.39 |
| Bitumen primer for bitumen membrane | litre | 12 | 83.77 | 8206 | 1005.18 |
| Carriage of tar / bitumen | tonne | 0.012 | 106.64 | 2211 | 1.28 |
| Carriage of bitumen membrane | L.S. | 7.8 | 1.80 | 9999 | 14.04 |
| Fuel | | | | | |
| Commercial LPG in cylinder | kg | 7 | 60.50 | 1241 | 423.48 |
| Preparing roof surface, cutting grooves | L.S. | 49.53 | 1.80 | 9999 | 89.15 |
| LABOUR: | | | | | |
| Skilled torch operator for laying tack | day | 2.16 | 322.00 | 159 | 695.52 |
| Mistry | day | 0.18 | 254.00 | 130 | 45.72 |
| Beldar | day | 3.24 | 254.00 | 114 | 822.96 |
| Sundries, brushes, bitumen torch etc. | L.S. | 23.4 | 1.80 | 9999 | 42.12 |
| TOTAL | | | | | 6210.84 |
| Add Water Charges @ 1% | | | | | 62.11 |
| TOTAL | | | | | 6272.95 (X) |
| Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 881.35 |
| Total | | | | | 7154.30 (Y) |
| Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 1073.14 |
| Cost for 30 sqm | | | | | 8227.44 |
| Cost of 1 sqm | | | | | 274.25 |
| Add labour cess @ 1% | | | | | 2.74 |
| Rate including labour cess | | | | | 276.99 |
| | | | **Say** | **Rs.277.00** | **per sqm** |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|

**22.19 Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/ sqm by the same membrane manufactured of density at 25° C, 0.87 - 0.89 kg/ litre and viscocity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane.**

**22.19.1 3 mm thick.**

Details of cost for 30 sqm.

| | | | | | |
|---|---|---|---|---|---|
| MATERIAL: | | | | | |
| A.P.P. modified 3mm thick =-30 sqm | | | | | |
| Add 10% for wastage = 3 sqm. | | | | | |
| Total = 33 sqm | | | | | |
| A.P.P. modified 3 mm thick membrane reinforced with glass fibre matt | sqm | 33 | 186.14 | 8204 | 6 142.77 |
| Bitumen primer for bitumen membrane | litre | 12 | 83.77 | 8206 | 1005.18 |
| Carriage of tar / bitumen | tonne | 0.012 | 106.64 | 2211 | 1.28 |
| Carriage of bitumen membrane | L.S. | 7.8 | 1.80 | 9999 | 14.04 |
| Fuel | | | | | |
| Commercial LPG in cylinder | kg | 7 | 60.50 | 1241 | 423.48 |
| Preparing roof surface, cutting grooves | L.S. | 49.53 | 1.80 | 9999 | 89.15 |
| LABOUR: | | | | | |
| Skilled torch operator for laying tack | day | 2.16 | 322.00 | 159 | 695.52 |
| Mistry | day | 0.18 | 254.00 | 130 | 45.72 |
| Beldar | day | 3.24 | 254.00 | 114 | 822.96 |
| Sundries, brushes, bitumen torch etc. | L.S. | 23.4 | 1.80 | 9999 | 42.12 |
| TOTAL | | | | | 9282.23 |
| Add Water Charges @ 1% | | | | | 92.82 |
| TOTAL | | | | | 9375.05 (X) |
| Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 1317.19 |
| Total | | | | | 10692.25 (Y) |
| Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 1603.84 |
| Cost for 30 sqm | | | | | 12296.08 |
| Cost of 1 sqm | | | | | 409.87 |
| Add labour cess @ 1% | | | | | 4.10 |
| Rate including labour cess | | | | | 413.97 |

**Say Rs.414.00 per sqm**

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|

**22.20 Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3 mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/ sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ litre and viscocity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5 cm. Tear strength in longitudinal and transverse direction as 300/ 250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane.**

**22.20.1 3 mm thick.**

| | | | | | |
|---|---|---|---|---|---|
| Details of cost for 30 sqm. | | | | | |
| MATERIAL: | | | | | |
| A.P.P. modified 3mm thick = 30 sqm | | | | | |
| Add 10% for wastage = 3 sqm. | | | | | |
| Total = 33 sqm | | | | | |
| A.P.P. modified 3 mm thick membrane reinforced with polyester matt | sqm | 33.00 | 190.80 | (8 205) | 6296.34 |
| Bitumen primer for bitumen membrane | litre | 12.00 | 83.77 | (8206) | 1005.18 |
| Carriage of tar / bitumen | tonne | 0.01 | 106.64 | (2211) | 1.28 |
| Carriage of bitumen membrane | L.S. | 7.80 | 1.80 | (9999) | 14.04 |
| Fuel | | | | | |
| Commercial LPG in cylinder | kg | 7.00 | 60.50 | (1241) | 423.48 |
| Preparing roof surface, cutting grooves | L.S. | 49.53 | 1.80 | 9999 | 89.15 |
| LABOUR: | | | | | |
| Skilled torch operator for laying tack | day | 2.16 | 322.00 | 159 | 695.52 |
| Mistry | day | 0.18 | 254.00 | 130 | 45.72 |
| Beldar | day | 3.24 | 254.00 | 114 | 822.96 |
| Sundries, brushes, bitumen torch etc. | L.S | 23.40 | 1.80 | 9999 | 42.12 |
| TOTAL | | | | | 9435.80 |
| Add Water Charges @ 1% | | | | | 94.36 |
| TOTAL | | | | | 9530.16 (X) |
| Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 1338.99 |
| Total | | | | | 10869.14 (Y) |
| Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 1630.37 |
| Cost for 30 sqm | | | | | 12499.51 |
| Cost of 1 sqm | | | | | 416.65 |
| Add labour cess @ 1% | | | | | 4.17 |
| Rate including labour cess | | | | | 420.82 |
| | | **Say** | **Rs.420.80** | **per sqm** | |

**22.21 Extra for covering top of membrane with Geotextile, 120 gsm non woven, 100% polyester of thickness 1 to 1.25 mm bonded to the membrane with intermittent touch by heating the membrane by Butane Torch as per manufactures recommendation.**

| | | | | | |
|---|---|---|---|---|---|
| Details of cost for 30 sqm. | | | | | |
| MATERIAL: | | | | | |
| Geotextile 120 gsm membrane =30 sqm | | | | | |
| Add 5% for wastage = 1.5 sqm | | | | | |
| Total = 31.50 sqm | | | | | |
| Geotextile 120 grams per sqm membrane | sqm | 31.5 | 41.88 | (8207) | 1319.30 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Carriage of Geotextile | L.S. | 7.8 | 1.80 | (9999) | 14.04 | |
| | LABOUR: | | | | | | |
| | Skilled torch operator for laying tack or fitter 2.16 / 5 = 0.43 | day | 0.43 | 322.00 | (0159) | 138.46 | |
| | Mistry 0.18 / 5 = 0.04 | day | 0.04 | 254.00 | (0130) | 10.16 | |
| | Beldar 3.24-5 / 0.65 | day | 0.65 | 254.00 | (0114) | 165.10 | |
| | Sundries, torch, LPG etc. | L.S. | 46.8 | 1.80 | (9999) | 84.24 | |
| | TOTAL | | | | | 1731.30 | |
| | Add Water Charges @ 1% | | | | | 17.31 | |
| | TOTAL | | | | | 1748.61 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 245.68 | |
| | Total | | | | | 1994.29 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 299.14 | |
| | Cost for 30 sqm | | | | | 2293.44 | |
| | Cost of 1 sqm | | | | | 76.45 | |
| | Add labour cess @ 1% | | | | | 0.76 | |
| | Rate including labour cess | | | | | 77.21 | |
| | | | **Say** | **Rs.77.20** | **per sqm** | | |

**22.22** **Providing and mixing integral crystalline admixture for waterproofing treatment to RCC structures like basement raft, retaining walls, reservior, sewage & water treatment plant, tunnels / subway and bridge deck etc.. at the time of transporting of concrete into the drum of the ready-mix truck , using integral crystalline admixture @0.80% (minimum) to the weight of cement content per cubic meter of concrete) or higher as recommended by the manufacturer's specification in reinforced cement concrete at site of work. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e. by reducing permeability of concrete by more than 90%, compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure. The crystalline admixture shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the Engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Details of cost for 1.00 Kg | | | | | | |
| | MATERIAL : | | | | | | |
| 352 | Integral crystalline admixture | kg | 1.00 | 287.59 | 0352 | 287.59 | |
| | LABOUR : | | | | | | |
| 9999 | For measuring, making and mixing etc.. | L.S. | 5.80 | 1.80 | 9999 | 10.44 | |
| 9999 | Sundries | L.S. | 1.15 | 1.80 | 9999 | 2.07 | |
| 9999 | Carriage of material and tools cost etc.. | L.S. | 1.75 | 1.80 | 9999 | 3.15 | |
| | TOTAL | | | | | 303.25 | |
| | Add 1 % Water charges | | | | | 3.03 | |
| | TOTAL | | | | | 306.29 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 43.03 | |
| | Total | | | | | 349.32 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 52.40 | |
| | Cost for 1.00 Kg | | | | | 401.72 | |
| | Add labour cess @ 1% | | | | | 4.02 | |
| | Rate including labour cess | | | | | 405.74 | |
| | | | **Say** | **Rs.405.70** | **per Kg** | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| **22.22A** | **Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.** | | | | | |
| | Details of cost for 10 Sqm | | | | | |
| | MATERIAL | | | | | |
| 8511 | Fibre reinforced elastomeric liquid water proofing membrane | litre | 11.30 | 184.93 | 8511 | 2089.66 |
| | 10.76 litre + 0.538 (Add wastage 5%) | | | | | |
| | = 11.30 litre | | | | | |
| 9977 | Carriage of materials | L.S. | 1.43 | 1.80 | 9977 | 2.58 |
| | LABOUR | | | | | 0.00 |
| 115 | Coolie | day | 0.67 | 265.00 | 115 | 177.55 |
| 131 | Painter | day | 0.67 | 323.00 | 131 | 216.41 |
| 9999 | Wire brush brushes, rollers etc. | L.S. | 6.76 | 1.80 | 9999 | 12.17 |
| 9999 | Sundries | L.S. | 8.06 | 1.80 | 9999 | 14.51 |
| | TOTAL | | | | | 2512.87 |
| | Add 1 % Water charges | | | | | 25.13 |
| | TOTAL | | | | | 2538.00 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 356.59 |
| | Total | | | | | 2894.59 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 434.19 |
| | Cost of 10 sqm | | | | | 3328.78 |
| | Cost of 1 sqm | | | | | 332.88 |
| | Add labour cess @ 1% | | | | | 3.33 |
| | Rate including labour cess | | | | | 336.21 |
| | | | **Say** | **Rs.336.20** | **per sqm** | |
| **22.23** | **Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservior, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer- in-charge. The product performance shall carry guarantee for 10 years against any leakage.** | | | | | |
| **22.23.1** | **For vertical surface two coats @ 0.70 kg per sqm** | | | | | |
| | Details of cost for 1 .00 sqm MATERIAL : | | | | | |
| | Integral crystalline slurry | | | | | |
| 351 | (2 x .70kg / sq.mtr. = 1.40kg) | kg | 1.40 | 251.30 | 0351 | 351.81 |
| | LABOUR | | | | | 0.00 |
| 9999 | For application of waterproofing material | L.S. | 11.55 | 1.80 | 9999 | 20.79 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| 9999 | Sundries | L.S. | 1.15 | 1.80 | 9999 | 2.07 | |
| 9999 | Carriage of material and tools cost etc.. | L.S. | 1.75 | 1.80 | 9999 | 3.15 | |
| | TOTAL | | | | | 377.82 | |
| | Add 1% Water Charges | | | | | 3.78 | |
| | TOTAL | | | | | 381.60 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 53.62 | |
| | Total | | | | | 435.22 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 65.28 | |
| | Cost for 1.00 sqm | | | | | 500.50 | |
| | Add labour cess @ 1% | | | | | 5.00 | |
| | Rate including labour cess | | | | | 505.50 | |
| | | | **Say** | **Rs.505.50** | **per sqm** | | |
| **22.23.2** | **For horizontal surface one coat @1.10 kg per sqm.** | | | | | | |
| | Details of cost for 1 .00 sqm | | | | | | |
| | MATERIAL : | | | | | | |
| 351 | Integral crystalline slurry (1 x 1.10kg / sq.mtr. = 1.10kg) | kilogram | 1.10 | 251.30 | 351 | 276.42 | |
| | LABOUR : | | | | | | |
| 9999 | For application of waterproofing material | L.S. | 5.75 | 1.80 | 9999 | 10.35 | |
| 9999 | Sundries | L.S. | 1.15 | 1.80 | 9999 | 2.07 | |
| 9999 | Carriage of material and tools cost etc.. | L.S. | 1.75 | 1.80 | 9999 | 3.15 | |
| | TOTAL | | | | | 291.99 | |
| | Add 1% Water Charges | | | | | 2.92 | |
| | TOTAL | | | | | 294.91 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 41.44 | |
| | Total | | | | | 336.35 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 50.45 | |
| | Cost for 1.00 sqm | | | | | 386.80 | |
| | Add labour cess @ 1% | | | | | 3.87 | |
| | Rate including labour cess | | | | | 390.67 | |
| | | | **Say** | **Rs.390.70** | **per sqm** | | |
| **22.23A** | **Providing & Applying polymer modified, flexible cementatious negative side waterproofing coating with elastic waterproofing polymers on interior wall plaster surface in three coats @14.35 kg /10 sqm. one coat of self priming of cementatious waterproofing polymer(dilution with water in the ratio of 1:1) and two coats of cementatious waterproofing polymer (dilution with water in the ratio of 3:1 ) after scrapping and properly cleaning the surface to remove pre-existing paint film & loose particles till plaster is visible, complete in all respect as per the direction of Engineer-in-Charge.** | | | | | | |
| | Details of cost for 10 Sqm | | | | | | |
| | MATERIAL | | | | | | |
| 8512 | Cementitious water proofing coating with elastic polymers | kg | 15.07 | 176.03 | 8512 | 2652.74 | |
| | 14.35 kg + 0.72 (Add wastage 5%) | | | | | 0.00 | |
| | = 15.07 litre | | | | | 0.00 | |
| 9977 | Carriage of materials | L.S. | 1.56 | 1.80 | 9977 | 2.81 | |
| | LABOUR | | | | | 0.00 | |
| 115 | Coolie | day | 0.23 | 265.00 | 115 | 60.95 | |
| 131 | Painter | day | 0.46 | 323.00 | 131 | 148.58 | |
| 9999 | Wire brush brushes, rollers etc. | L.S. | 7.15 | 1.80 | 9999 | 12.87 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| 9999 | Sundries | L.S. | 8.06 | 1.80 | 9999 | 14.51 |
| | TOTAL | | | | | 2892.46 |
| | Add 1 % Water charges | | | | | 28.92 |
| | TOTAL | | | | | 2921.38 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 410.45 |
| | Total | | | | | 3331.84 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 499.78 |
| | Cost of 10 sqm | | | | | 3831.61 |
| | Cost of 1 sqm | | | | | 383.16 |
| | Add labour cess @ 1% | | | | | 3.83 |
| | Rate including labour cess | | | | | 386.99 |
| | | | | **Say** | **Rs.387.00** | **per sqm** |

**22.24 Providing and applying integral crystalline (dry shake) of hydrophilic in nature for waterproofing treatment to the RCC structures like basement raft, foundation slab, sewage & water treatment plant slab, warehouses floor, parking structures and water tank base slab etc. sprinkled @0.60kg per sqm or higher as recommended by the manufacturer's specification over the lean concrete of above cited structures. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e. by reducing permeability of concrete by more than 85%, compared control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline dry- shake shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the Engineer-in- charge. The product performance shall carry guarantee for 10 years against any leakage**

Details of cost for 1.00 sqm

| | | | | | | |
|---|---|---|---|---|---|---|
| | MATERIAL : | | | | | |
| 354 | Integral crystalline dry shake | kilogram | 0.60 | 383.46 | 354 | 230.07 |
| | LABOUR | | | | | |
| 9999 | For measuring and sprinkling of waterproofing material | L.S. | 11.55 | 1.80 | 9999 | 20.79 |
| 9999 | Sundries | L.S. | 1.15 | 1.80 | 9999 | 2.07 |
| 9999 | Carriage of material and tools cost etc.. | L.S. | 1.75 | 1.80 | 9999 | 3.15 |
| | TOTAL | | | | | 256.08 |
| | Add 1% Water Charges | | | | | 2.56 |
| | TOTAL | | | | | 258.65 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 36.34 |
| | Total | | | | | 294.99 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 44.25 |
| | Cost for 1.00 sqm | | | | | 339.23 |
| | Add labour cess @ 1% | | | | | 3.39 |
| | Rate including labour cess | | | | | 342.62 |
| | | | | **Say** | **Rs.342.60** | **per sqm** |

**22.24 A Providing & Applying high quality acrylic modified resin based texture of Dholpur/ Red sand stone Pattern with anti algae and UV resistance properties to be applied as intermediate finish in desired pattern @ 43.04 kgs/10 sqm to form film of 1- 1.5 mm thickness after scrapping and properly cleaning the surface to remove loose particles from the plaster surface, followed by top coating with Premium Acrylic Smooth exterior paint with Silicone additives of required shade by two or more coats @ 1.43 litres/10 sqm, complete as the direction of Engineer -in-Charge.**

Details of cost for 10 Sqm MATERIAL

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Acrylic modified resin based texture | | | | | | |
| 8513 | 43.04 kg + 2.15 (Add wastage 5%) = 45.19 kg | kg | 45.19 | 45.50 | 8513 | 2056.28 | |
| | Quantity taken for cost using once = 10 sqm | | | | | | |
| | Top coat with premium acrylic exterior paint (two or more coats) | | | | | | |
| | Rate as per Item No.14.67.1 of | | | | | | |
| 14.67.1 | SH:REPAIRS TO BUILDINGS | sqm | 10.00 | 70.75 | 14.67.1 | 707.50 | (A) |
| 9977 | Carriage of materials | L.S. | 3.90 | 1.80 | 9977 | 7.02 | |
| | LABOUR | | | | | | |
| 115 | Coolie | day | 0.56 | 265.00 | 115 | 148.40 | |
| 123 | Mason (brick layer) 1st class | day | 0.56 | 342.00 | 123 | 191.52 | |
| 9999 | Sundries and scaffolding | L.S. | 40.00 | 1.80 | 9999 | 72.00 | |
| | TOTAL | | | | | 3182.72 | |
| | Add 1 % Water charges on all except (A) | | | | | 24.75 | |
| | TOTAL | | | | | 3207.48 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | | 351.25 | |
| | Total | | | | | 3558.72 | (Y) |
| | Add 15 % Contractor's profit and overheads on all except (A) | | | | | 427.68 | |
| | TOTAL | | | | | 3986.41 | |
| | Cost of 10 sqm | | | | | 3986.41 | |
| | Cost of 1 sqm | | | | | 391.79 | |
| | Add labour cess @ 1% | | | | | 3.92 | |
| | Rate including labour cess | | | | | 395.71 | |
| | | | | **Say** | **Rs.395.70** | **per sqm** | |

**22.25 Providing and applying crystalline mortar by mixing in the ratio of 4.5 : 1 (4.5 parts crystalline mortar : 1 part water) for the treatment of faulty construction joints, cracks, tie rod holes and spalled & honeycombed surface of RCC underground structures like basement, water tanks, bridge deck etc. to ensure water tightness. The crystallie mortar shall conform to the EN 1504-3 having compressive strength Class R4 (?45 MPa) and adhesive bond strength Class R3 (?1.5 MPa). The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.**

**22.25.1 For sealing cracks and faulty construction joints, routed out/making U-shape groove size 25x25mm and then primed the area with integral crystalline slurry @0.05kg/running meter and while the surface is tacky filled the groove upto surface with crystalline mortar @1.50kg/running meter. Once crystalline mortar is touch dry then finally applied two coats of integral crystalline slurry @0.05kg/running meter per coat.**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Details of cost for 1.00 meter | | | | | |
| | MATERIAL : | | | | | |
| 353 | Crystalline Mortar @1.50 kg per meter | kilogram | 1.50 | 230.82 | 353 | 346.23 |
| | Integral crystalline slurry for priming and finishing | | | | | |
| 351 | (3 x 0.05kg / meter) = 0.15kg | kilogram | 0.15 | 251.30 | 351 | 37.69 |
| | LABOUR | | | | | |
| 9999 | For making crystalline mortar and repair work etc.. | L.S. | 14.45 | 1.73 | 9999 | 25.00 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| 9999 | Sundries | L.S. | 1.15 | 1.73 | 9999 | 1.99 |
| 9999 | Carriage of material and tools cost etc.. | L.S. | 1.75 | 1.73 | 9999 | 3.03 |
| | TOTAL | | | | | 413.94 |
| | Add 1% Water Charges | | | | | 4.14 |
| | TOTAL | | | | | 418.08 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 58.74 |
| | Total | | | | | 476.82 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 71.52 |
| | Cost for 1.00 metre | | | | | 548.34 |
| | Add labour cess @ 1% | | | | | 5.48 |
| | Rate including labour cess | | | | | 553.82 |
| | | | **Say** | **Rs.553.80** | **per metre** | |

22.25.2 **For patching of tie rod holes, prepared tie rod hole surface and then primed the area with integral crystalline slurry @0.070kg/sqm and while the surface is tacky repair and then filled the tie rod holes with crystalline mortar@0.040kg per hole. The crystalline mortar should be tightly rodded into tie rod holes or packed tightly (For 25x25x25 mm tie rod hole, use 0.040kg to fill the hole)**

Details of cost for 1 no. hole

MATERIAL :

| | | | | | | |
|---|---|---|---|---|---|---|
| 353 | Crystalline mortar@0.040 kg per hole | kilogram | 0.04 | 230.82 | 353 | 9.23 |
| | LABOUR | | | | | |
| 9999 | For making crystalline mortar and repair work etc.. | L.S. | 2.90 | 1.73 | 9999 | 5.02 |
| 9999 | Sundries | L.S. | 0.30 | 1.73 | 9999 | 0.52 |
| 9999 | Carriage of material and tools cost etc.. | L.S. | 0.25 | 1.73 | 9999 | 0.43 |
| | TOTAL | | | | | 15.20 |
| | Add 1% Water Charges | | | | | 0.15 |
| | TOTAL | | | | | 15.35 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 2.16 |
| | Total | | | | | 17.51 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 2.63 |
| | Cost for each hole | | | | | 20.14 |
| | Add labour cess @ 1% | | | | | 0.20 |
| | Rate including labour cess | | | | | 20.34 |
| | | | **Say** | **Rs.20.30** | **Each** | |

**22.26** **Providing and applying of swellable type water stop tape, 19mm x 25mm thick in linear meter (expansive nature) for construction joints treatment of RCC structure such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc.. After cleaning the surface, one coat of required primer for swellable water stop tape shall be applied throughout the length of the joint @3.78 litre per 240 running meter. Over the primed surface swellable type water stop tape shall be placed. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.**

Details of cost for 1.00 meter

MATERIAL :

| | | | | | | |
|---|---|---|---|---|---|---|
| 355 | Swellable type water stop tape (Crystalline sealing compound) | metre | 1.00 | 387.18 | 355 | 387.18 |
| 356 | Swellable type water stop primer (@3.78 litre per 240 running meter) | Litre | 0.02 | 1628.77 | 356 | 26.06 |

| Item No. | Description | Unit | Qty | Rate | Rate Code | Cost Rs. |
|---|---|---|---|---|---|---|
| | LABOUR | | | | | |
| 9999 | For application of primer and swellable water stop | L.S. | 8.65 | 1.73 | 9999 | 14.96 |
| 9999 | Sundries | L.S. | 1.15 | 1.73 | 9999 | 1.99 |
| 9999 | Carriage of material and tools cost etc.. | L.S. | 1.75 | 1.73 | 9999 | 3.03 |
| | TOTAL | | | | | 433.22 |
| | Add 1% Water Charges | | | | | 4.33 |
| | TOTAL | | | | | 437.55 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 61.48 |
| | Total | | | | | 499.03 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 74.85 |
| | Cost for 1.00 metre | | | | | 573.89 |
| | Add labour cess @ 1% | | | | | 5.74 |
| | Rate including labour cess | | | | | 579.63 |
| | | | **Say** | **Rs.579.60** | **per metre** | |

## SUB HEAD : 23.0

# HORTICULTURE AND LANDSCAPING

# 23.0 Horticulture & Landscaping

| Item No. | Description | Unit | Qty | Rate | Rate Code. | Cost Rs. |
|---|---|---|---|---|---|---|
| **23.1** | **Trenching in ordinary soil upto a depth of 60 cm including removal and stacking of serviceable materials and then disposing of by spreading and neatly levelling within a lead of 50 m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge of/and manure before and after flooding trench with water (eduding cost of imported earth,sludge or manure).** | | | | | |
| | Details of cost for 10 sqm | | | | | |
| | **Labour:** | | | | | |
| | Beldar | per day | 0.710 | 254.000 | (0114) | 180.340 |
| | Coolie | per day | 0.350 | 265.000 | (0115) | 92.750 |
| | Sundries | 1 time | 2.730 | 1.800 | (9999) | 4.914 |
| | Add for water charges @ 1 % | | | | | 2.780 |
| | Total | | | | | 280.784 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 39.45 |
| | Total | | | | | 320.23 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 48.04 |
| | Cost of 10 cum | | | | | 368.269 |
| | Cost of 1 cum | | | | | 36.827 |
| | Add labour cess @ 1% | | | | | 0.370 |
| | Rate including labour cess | | | | | 37.197 |
| | | | **Say** | **Rs.37.20** | **per cum** | |
| 23.2 | **Supplying and stacking of good earth at site includ ing royalty but excluding carriage (earth measusred in stacks will be reduced by 20% for paym ent).** | | | | | |
| | Details of cost for 1 cum- | | | | | |
| | Excavation: | | | | | |
| | Beldar | per day | 0.18 | 254.00 | (0114) | 44.96 |
| | Cooiie | per day | 0.17 | 265.00 | (0115) | 44.26 |
| | Royalty for good earth | cum | 1.00 | 0.00 | (0979) | 0.00 |
| | Carriage of good earth by mechanical transport upto 1 km lead | cum | 1.00 | 0.00 | (2241) | 0.00 |
| | Add for water charges @ 1 % | | | | | 0.89 |
| | Total | | | | | 90.11 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 12.66 |
| | Total | | | | | 102.76 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 15.41 |
| | Cost of 1 cum | | | | | 118.18 |
| | Add labour cess @ 1% | | | | | 1.18 |
| | Rate including labour cess | | | | | 119.36 |
| | | | **Say** | **Rs.119.40** | **per cum** | |
| 23.3 | **Supplying and stacking Sludge at site including royalty and carriage (Sludge measusred in stacks will be reduced by 8% for payment).** | | | | | |
| | Details of cost for 1 cum- | | | | | |
| | Carriage of sludge by mechanical transport | cum | 1.000 | 117.473 | (2317) | 117.473 |
| | Royalty for Sludge | cum | 1.000 | 27.92 | (0979) | 27.922 |
| | Total | | | | | 145.395 |
| | Add for water charges @ 1 % | | | | | 1.454 |

| Item No. | Description | Unit | Qty | Rate | Rate Code. | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Total | | | | | 146.85 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 20.63 | |
| | Total | | | | | 167.48 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 25.12 | |
| | Cost of 1 cum | | | | | 192.604 | |
| | Add labour cess @ 1% | | | | | 1.930 | |
| | Rate including labour cess | | | | | 194.534 | |
| | | | **Say** | **Rs.194.50** | **per cum** | | |
| **23.4** | **Supplying and stacking at site dump manure from approved source, excluding carriage (manure measured in stacks will be reduced bv 8% for payment)** | | | | | | |
| **23.4.1** | **Screened through sieve of I.S. designation 20mm** | | | | | | |
| | **Details of cost for 1 cum** | | | | | | |
| | Carriage of dump manure (by mechanical Transport) | cum | 1.000 | 0.000 | (2242) | 0.000 | |
| | Labour for screening: | | | | | | |
| | Beldar | per day | 0.080 | 254.000 | (0114) | 20.320 | |
| | Sundries | 1 time | 2.730 | 1.800 | (9999) | 4.914 | |
| | Add for water charges @ 1 % | | | | | 0.252 | |
| | Total | | | | | 25.49 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 3.58 | |
| | Total | | | | | 29.07 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 4.36 | |
| | Cost of 1 cum | | | | | 33.427 | |
| | Add labour cess @ 1% | | | | | 0.330 | |
| | Rate including labour cess | | | | | 33.757 | |
| | | | **Say** | **Rs.33.80** | **per cum** | | |
| **23.4.2** | **Screened through sieve of I.S. Designation 16 mm** | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | Carriage of dump manure by mechanical transport | cum | 1.000 | 0.000 | (2242) | 0.000 | |
| | Labour for screening: | | | | | | |
| | Beldar | per day | 0.130 | 254.000 | (0114) | 33.020 | |
| | Sundries | 1 time | 2.730 | 1.800 | (9999) | 4.914 | |
| | Add for water charges @ 1 % | | | | | 0.379 | |
| | Total | | | | | 38.31 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 5.38 | |
| | Total | | | | | 43.70 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 6.55 | |
| | Cost of 1 cum | | | | | 50.251 | |
| | Add labour cess @ 1% | | | | | 0.500 | |
| | Rate including labour cess | | | | | 50.751 | |
| | | | **Say** | **Rs.50.80** | **per cum** | | |
| **23.4.3** | **Screened through sieve of I.S. designation 4.75 mm** | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | Carriage of dump manure (by mechanical transport) | cum | 1.000 | 0.000 | (2242) | 0.000 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code. | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Labour for screening: | | | | | | |
| | Beldar | per day | 0.170 | 254.000 | (0114). | 43.180 | |
| | Sunddries | 1 time | 2.730 | 1.800 | (9999) | 4.914 | |
| | Add for water charges @ 1% | | | | | 0.481 | |
| | Total | | | | | 48.57 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 6.82 | |
| | Total | | | | | 55.40 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 8.31 | |
| | Cost of 1 cum | | | | | 63.710 | |
| | Add labour cess @ 1% | | | | | 0.640 | |
| | Rate including labour cess | | | | | 64.350 | |
| | | | **Say** | **Rs.64.30** | **per cum** | | |
| **23.5** | **Rough dressing the trenched ground including breaking clods.** | | | | | | |
| | Details of cost for 100 sqm | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 0.200 | 254.000 | (0114) | 50.800 | |
| | Sundries | 1 time | 1.430 | 1.800 | (9999) | 2.574 | |
| | Add for water charges @ 1 % | | | | | 0.534 | |
| | Total | | | | | 53.91 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 7.57 | |
| | Total | | | | | 61.48 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 9.22 | |
| | Cost of 100 sqm | | | | | 70.704 | |
| | Add labour cess @ 1% | | | | | 0.710 | |
| | Rate including labour cess | | | | | 71.414 | |
| | | | **Say** | **Rs.71.40** | **per 100 sqm** | | |
| **23.6** | **Uprooting weeds form the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation.** | | | | | | |
| | Details of cost for 100 sqm | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 0.330 | 254.000 | (0114) | 83.820 | |
| | Coolie | per day | 0.330 | 265.000 | (0115) | 87.450 | |
| | Sundries | 1 time | 2.730 | 1.800 | (9999) | 4.914 | |
| | Add for water charges @ 1% | | | | | 1.762 | |
| | Total | | | | | 177.95 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 25.00 | |
| | Total | | | | | 202.95 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 30.44 | |
| | Cost of 100 sqm | | | | | 233.389 | |
| | Add labour cess @ 1% | | | | | 2.330 | |
| | Rate including labour cess | | | | | 235.719 | |
| | | | **Say** | **Rs.235.70** | **per 100 sqm** | | |
| **23.7** | **Fine dressing the ground** | | | | | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code. | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | **Details of cost for 100 sqm** | | | | | | |
| | **Labour:** | | | | | | |
| | Beldar | per day | 0.500 | 254.000 | (0114) | 127.000 | |
| | Sundries | 1 time | 1.430 | 1.800 | (9999) | 2.574 | |
| | Add for water charges @ 1 % | | | | | 1.296 | |
| | Total | | | | | 130.87 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 18.39 | |
| | Total | | | | | 149.26 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 22.39 | |
| | Cost of 10sqm | | | | | 171.645 | |
| | Add labour cess @ 1% | | | | | 1.720 | |
| | Rate including labour cess | | | | | 173.365 | |
| | | | **Say** | **Rs.173.40** | **per 100 sqm** | | |
| **23.8** | **Spreading of sludge, dump manure or/and good earth in required thickness (Cost of sludge, dump manure or/and good earth to be paid separately).** | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | Labour: | | | | | | |
| | Coolie | per day | 0.070 | 254.000 | (0114) | 17.780 | |
| | Sundries | 1 time | 0.520 | 1.800 | (9999) | 0.936 | |
| | Add for water charges @ 1% | | | | | 0.187 | |
| | Total | | | | | 18.90 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 2.66 | |
| | Total | | | | | 21.56 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 3.23 | |
| | Cost of 1 cum | | | | | 24.793 | |
| | Add labour cess @ 1% | | | | | 0.250 | |
| | Rate including labour cess | | | | | 25.043 | |
| | | | **Say** | **Rs.25.00** | **per cum** | | |
| **23.9** | **Mixing earth and sludge or manure in proportion specifeied or directed.** | | | | | | |
| | Details of cost for 10 cum | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 0.250 | 254.000 | (0114) | 63.500 | |
| | Coolie | per day | 0.250 | 265.000 | (0115) | 66.250 | |
| | Add for water charges @ 1% | | | | | 1.298 | |
| | Total | | | | | 131.05 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 18.41 | |
| | Total | | | | | 149.46 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 22.42 | |
| | Cost of 10 cum | | | | | 171.879 | |
| | Cost of 1 cum | | | | | 17.188 | |
| | Add labour cess @ 1% | | | | | 0.170 | |
| | Rate including labour cess | | | | | 17.358 | |
| | | | **Say** | **Rs.17.40** | **per cum** | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code. | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| **23.10** | **Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free form weeds and fit for mowing including supplying good earth if needed.** | | | | | | |
| **23.10.1** | **In rows 1 5 cm apart in either direction.** | | | | | | |
| | Details of cost for 100 sqm | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 0.250 | 254.000 | (0114) | 63.500 | |
| | Coolie | per day | 0.500 | 265.000 | (0115) | 132.500 | |
| | Sundries | 1 time | 2.730 | 1.800 | (9999) | 4.914 | |
| | Add for water charges @ 1% | | | | | 2.009 | |
| | Total | | | | | 202.92 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 28.51 | |
| | Total | | | | | 231.43 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 34.72 | |
| | Cost of 100 sqm | | | | | 266.149 | |
| | Add labour cess @ 1% | | | | | 2.660 | |
| | Rate including labour cess | | | | | 268.809 | |
| | | | **Say** | **Rs.266.10** | **per 100 sqm** | | |
| **23.10.2** | **In rows 7.5 cm apart in either direction.** | | | | | | |
| | Details of cost for 100 sqm | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 0.500 | 254.000 | (0114) | 127.000 | |
| | Coolie | per day | 1.060 | 265.000 | (0115) | 280.900 | |
| | Sundries | 1 time | 5.330 | 1.800 | (9999) | 9.594 | |
| | Add for water charges @ 1% | | | | | 4.175 | |
| | Total | | | | | 421.67 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 59.24 | |
| | Total | | | | | 480.91 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 72.14 | |
| | Cost of 100 sqm | | | | | 553.050 | |
| | Add labour cess @ 1% | | | | | 5.530 | |
| | Rate including labour cess | | | | | 558.580 | |
| | | | **Say** | **Rs.558.60** | **per 100 sqm** | | |
| **23.10.3** | **In rows 5 cm apart in either direction.** | | | | | | |
| | details of cost for 100 sqm | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 0.800 | 254.000 | (0114) | 203.200 | |
| | Coolie | per day | 1.600 | 265.000 | (0115) | 424.000 | |
| | Sundries | 1 time | 6.760 | 1.800 | (9999) | 12.168 | |
| | Add for water charges @ 1 % | | | | | 6.394 | |
| | Total | | | | | 645.76 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 90.73 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code. | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Total | | | | | 736.49 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 110.47 | |
| | Cost of 100 sqm | | | | | 846.965 | |
| | Add labour cess @ 1% | | | | | 8.470 | |
| | Rate including labour cess | | | | | 855.435 | |
| | | | **Say** | **Rs.855.40** | **per 100 sqm** | | |
| **23.11** | **Renovatinglawns including eding,cheeling the grass.forking the ground, top dressing with sludge or manure.mixing the same v/ith forked soil.watering and maintaining the lawn for 30 days or more til! the grass forms a thich lawn free from weeds and fit for mowing and disposal of rubbish as directed, including supplying good earth if needed but excluding the cost of sludge or manure.** | | | | | | |
| | Details of cost for 100 sqm | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 2.700 | 254.000 | (0114) | 685.800 | |
| | Coolie | per day | 2.000 | 265.000 | (0115) | 530.000 | |
| | Sundries | 1 time | 2.730 | 1.800 | (9999) | 4.914 | |
| | Add for water charges @ 1 % | | | | | 12.207 | |
| | Total | | | | | 1232.92 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 173.23 | |
| | Total | | | | | 1406.15 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 210.92 | |
| | Cost of 100 sqm | | | | | 1617.069 | |
| | Add labour cess @ 1% | | | | | 16.170 | |
| | Rate including labour cess | | | | | 1633.239 | |
| | | | **Say** | **Rs.1633.20** | **per 100 sqm** | | |
| **23.12** | **Uprooting rank vegetation and weeds by digging the area to a depth of 60 cm removing all weeds and other growth with roots by forking repeatedly, breaking clods, rough dressing, flooding with water, uprooting fresh growths after 10 to 15 days and then fine dressing for planting new grass, including disposal of a!! rubbish with all leads and lifts.** | | | | | | |
| | Details of cost for 100 sqm | | | | | | |
| | 1. Labour for trenching to a depth of 30 cm- | | | | | | |
| | Beldar | per day | 1.500 | 254.000 | (0114) | 381.000 | (A) |
| | Coolie | per day | 0.750 | 265.000 | (0115) | 198.750 | (A) |
| | 2. Labour for forking to remove weeds and rank vegetaion- | | | | | | |
| | Beldar | per day | 1.000 | 254.000 | (0114) | 254.000 | (A) |
| | Coolie | per day | 0.500 | 265.000 | (0115) | 132.500 | (A) |
| | 3. Labour for trenching to a further depth of 30 cr n- | | | | | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code. | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Beldar | per day | 2.130 | 254.000 | (0114) | 541.020 | (A) |
| | Coolie | per day | 1.060 | 265.000 | (0115) | 280.900 | (A) |
| | Total A | | | | | 1788.170 | A |
| | 4. Removal of weeds form the trenched area with 10 to 15 days of its flooding with water as per ite m No. 18.6 | sqm | 1.000 | 233.389 | (23.6) | 233.389 | (B) |
| | 5. Rough dressing as per item No. 23.5 | sqm | 1.000 | 70.704 | (23.5) | 70.704 | (B) |
| | 6 Fine dressing as per item No.23.7 | sqm | 1.000 | 171.645 | (23.7) | 171.645 | (B) |
| | 7. Sundries | 1 time | 6.760 | 1.800 | (9999) | 12.168 | (B) |
| | Total B | | | | | 487.907 | B |
| | Add for water charges @1 % on A only | | | | | 17.882 | C |
| | Total(A+B+C) | | | | | 2293.959 | (X) |
| | Add GST 12% on "X" on A only (multiplying factor 0.1405) | | | | | 251.24 | |
| | Total | | | | | 2545.20 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on A | | | | | 268.23 | |
| | Cost of 100 sqm | | | | | 2813.422 | |
| | Add labour cess @ 1% | | | | | 28.130 | |
| | Rate including labour cess | | | | | 2841.552 | |
| | | | **Say** | **Rs.2841.60** | **per 100 sqm** | | |

**23.13 Preparation of beds for hedging and shrubbery by excavating 60 cm deep and trenching the excavated base to a further depth of 30 cm, refilling the excavated earth after breaking clods and mixing-with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%). flooding with water, filling with earth if necessary, watering and finally fine dressing, levelling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and levelling as drected, within a lead of 50 m lift upto 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately).**

| | | | | | | |
|---|---|---|---|---|---|---|
| Details of cost for 10 cum | | | | | | |
| Labour: | | | | | | |
| Beldar | per day | 1.800 | 254.000 | (0114) | 457.200 | |
| Coolie | per day | 1.250 | 265.000 | (0115) | 331.250 | |
| Add for water charges @ 1% | | | | | 7.885 | |
| Total | | | | | 796.335 | |
| Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 111.88 | |
| Total | | | | | 908.22 | (Y) |
| Add for contractor's profit and over-heads @ 15% | | | | | 136.233 | |
| Cost of 10 cum | | | | | 1044.452 | |
| Cost of 1 cum | | | | | 104.445 | |
| Add labour cess @ 1% | | | | | 1.040 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code. | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Rate including labour cess | | | | | 105.485 | |
| | | | **Say** | **Rs.105.50** | **per cum** | | |
| **23.14** | **Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water.dressing including removal of rubbish and surplus earth, if any with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately):** | | | | | | |
| 23.14.1 | Holes 1.2 mdia. And 1.2 m deep. | | | | | | |
| | Details of cost for one hole- | | | | | | |
| | Extra Excavation- | | | | | | |
| | 22/7x(1.2)'/4x1.2 =1,36 cum | cum | 1.360 | 316.469 | (2.8.1) | 430.397 | (A) |
| | (Rate vide item No 2.8.1 S H Earth work) | | | | | | |
| | Refilling mixture and flooding. | 1 time | 5.200 | 1.800 | (9999) | 9.360 | |
| | Add for water charges @ 1% on al! except 'A' | | | | | 0.094 | |
| | Total | | | | | 439.851 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | | 1.33 | |
| | Total | | | | | 441.18 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on sll excep 'A' | | | | | 1.617 | |
| | | | | | | 442.796 | |
| | Add labour cess @ 1% | | | | | 4.430 | |
| | Rate including labour cess | | | | | 447.226 | |
| | Cost of 1 each | | **Say** | **Rs.447.20** | **Each** | | |
| **23.14.2** | **Holes 60 cm dia. And 60 cm deep. Earth excavation** | | | | | | |
| | 22/7x$(0.6)^2$ /4 x0.6 = 0.17 cum | cum | 0.17 | 316.469 | (2.8.1) | 53.800 | (A) |
| | (Rate vide item No. 2.8.1 S.H. Earth work) | | | | | | |
| | Refilling mixture and flooding. | 1 time | 1.440 | 1.800 | (9999) | 2.593 | |
| | Add for water charges @ 1% on all except 'A' | | | | | 0.026 | |
| | Total | | | | | 56.418 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | | 0.37 | |
| | Total | | | | | 56.79 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on sll excep 'A' | | | | | 0.448 | |
| | | | | | | 57.234 | |
| | Add labour cess @ 1% | | | | | 0.570 | |
| | Rate including labour cess | | | | | 57.804 | |
| | Cost of 1 each | | **Say** | **Rs.57.80** | **Each** | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code. | Cost Rs. |
|---|---|---|---|---|---|---|
| **23.15** | **Half brick circular tree guard in 50 class designation bricks, internal diameter 1.25 metre and height 1:2 metre above ground and 0.20 m below ground bottom two courses laid dry and top three courses in lima mortar 1:2(1 lime pu{ty:2 cu.k'.ii) or cement ortar 1:6 (1 cement:6 fine sand) and the intermediate courses being in dry honey comb masonry as per design complete:** | | | | | |
| **23.15.1** | **With F.P.S. Bricks** | | | | | |
| | Details of cost for one tree guard. | | | | | |
| | **Materials:** | | | | | |
| | Bricks III class | thousand | 0.23 | 4578 | (2603) | 1052.940 |
| | Carriage of bricks (average lead of 5 km by mechanical transport) | 1000 nos | 0.23 | 0 | (2201) | 0.000 |
| | Lime or cement mortar for top 3 courses | 1 time | 15.86 | 1.800 | (9999) | 28.548 |
| | **Labour:** | | | | | |
| | Mason II class | per day | 0.25 | 305.00 | (0124) | 76.250 |
| | Beidar | per day | 0.25 | 254.00 | (0114) | 63.500 |
| | Sundries | 1 time | 4.16 | 1.800 | (9999) | 7.488 |
| | Add for water charges @ 1 % | | | | | 12.287 |
| | Total | | | | | 1241.01 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 174.36 |
| | Total | | | | | 1415.38 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 212.31 |
| | Cost of 1 each | | | | | 1627.682 |
| | Add labour cess @ 1% | | | | | 16.280 |
| | Rate including labour cess | | | | | 1643.962 |
| | | | **Say** | **Rs.1644.00** | **Each** | |
| **23.16** | **Providing and fixing M.S. fiat iron tree guard 60 cm dia. And 2 m high above ground level formed of 4 nos. 25x6 mm and 8 nos. 25x3 mm vertical M.S. flats rivetted to 3 nos. ?5x6 mm M.S. flat iron rings in two halves, bolted together with 8 mm dia. And 30 mm long bolts including painting two coats with paint of approved brand and manufacture over a coat of priming, complete in all respects. Details of cost for one tree guard-** | | | | | |
| | Materials: | | | | | |
| | M.S. Flats:- 25x6 mm | | | | | |
| | verticlas 4x2.25 = 9.00 rn | | | | | |
| | 25x6 mm rings | | | | | |
| | 3x(22/7x0.6)+0.16 = 6.14 m | | | | | |
| | = 15.14m | | | | | |
| | wt@ 1.2 kg poer m = 18.17 kg | | | | | |
| | 25x3.00 mm verticals 8x2 = 16m | | | | | |
| | 16.00x0.25=0.40 sqm | | | | | |
| | wt @27.73 kg/sqm = 9.89 kg | | | | | |
| | Total M.S. Flats =28.06 kg | | | | | |
| | wastage @ 5% = 1.40 kg. | | | | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code. | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | 29.46 kg. | | | | | | |
| | Say 0.29 q | quintal | 0.290 | 3420.409 | (1008) | 991.918 | |
| | Rivets 36 nos | 1 time | 40.300 | 1.800 | (9999) | 72.540 | |
| | G.I. Bolts and nuts | 1 time | 8.060 | 1.800 | (9999) | 14.508 | |
| | Carriage of materials | tonne | 0.029 | 0.000 | (2205) | 0.000 | |
| | Labour: | | | | | | |
| | Blacksmith 2nd dass | per day | 2.000 | 305.000 | (0103) | 610.000 | |
| | Beldar | per day | 1.000 | 254.000 | (0114) | 254.000 | |
| | Painting- | | | | | | |
| | 4x1x0.03x2.00 =0.496 | | | | | | |
| | 8x2x0.028x2.00 = 0.896 | | | | | | |
| | 2x6.14x0.031 = 0.381 | | | | | | |
| | 1.773 | | | | | | |
| | Say 1.77 sqm (Rate as per item No. 13.81.4) | sqm | 1.770 | 15.051 | (13.81.4) | 26.640 | (A) |
| | Say 1.77 sqm (Rate as per 13.82.1 of S.H. Finishing) | sqm | 1.770 | 73.747 | (13.82.1) | 130.533 | (A) |
| | Add for water charges @ 1% on all except 'A' | | | | | 19.430 | |
| | Total | | | | | 2119.569 | (X) |
| | Add GST 12% on "X" except A (multiplying factor 0.1405) | | | | | 275.72 | |
| | Total | | | | | 2395.29 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on all excep 'A' | | | | | 335.717 | |
| | Cost of 1 each | | | | | 2731.003 | |
| | Add labour cess @ 1% | | | | | 27.310 | |
| | Rate including labour cess | | | | | 2758.313 | |
| | | | **Say** | **Rs.2758.30** | **Each** | | |
| **23.19** | **Edging with bricks laid dry length wise including excavation, refilling, consolidating with hand packing and spreading neatly susrplus earth within a lead of 50 m:** | | | | | | |
| **23.19.1** | **100A class designation.** | | | | | | |
| **23.19.1.1** | **F.P.S.Bricks** | | | | | | |
| | Details of cost for 10 m length- | | | | | | |
| | Materials: | | | | | | |
| | Bricks 75 class designation | thousand | 0.050 | 5010.000 | (2602) | 250.500 | |
| | Carriage of bricks | 1000 nos | 0.050 | 0.000 | (2201) | 0.000 | |
| | Labour: | | | | | | |
| | Mason second class | per day | 0.050 | 305.000 | (0124) | 15.250 | |
| | Coolie | per day | 0.050 | 265.000 | (0115) | 13.250 | |
| | Earth work in Excavation and removal of rubbish (or spreading and dressing neatly of surplus earth) | 1 time | 13.520 | 1.800 | (9999) | 24.336 | |
| | Add for water charges @ 1% | | | | | 3.033 | |
| | Total | | | | | 306.37 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 43.04 | |
| | Total | | | | | 349.41 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 52.41 | |
| | Cost of 10 m | | | | | 401.826 | |
| | Cost of 1 m | | | | | 40.183 | |
| | Add labour cess @ 1% | | | | | 0.400 | |
| | Rate including labour cess | | | | | 40.583 | |
| | | | **Say** | **Rs.40.60** | **Each** | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code. | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| **23.19.2** | **100B class designation.** | | | | | | |
| | Details of cost for 1.0 m length- | | | | | | |
| | Materials: | | | | | | |
| | Bricks 50 class designation designation | thousand | 0.050 | 4578.000 | (2603) | 228.900 | |
| | Carriage of bricks | 1000 nos. | 0.050 | 0.000 | (2201) | 0.000 | |
| | Labour: | | | | | | |
| | Mason second class | *per* day | 0.050 | 305.000 | (0124) | 15.250 | |
| | Cooiie | per day | 0.050 | 265.000 | (0115) | 13.250 | |
| | Earth work in excavation and removal of rubbish (or spreading and dressing neatly of surplus earth) | 1 time | 13.520 | 1.800 | (9999) | 24.336 | |
| | Add for water charges @ 1 % | | | | | 2.817 | |
| | Total | | | | | 284.55 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 39.98 | |
| | Total | | | | | 324.53 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 48.68 | |
| | Cost of 10 m | | | | | 373.213 | |
| | Cost of 1 m | | | | | 37.321 | |
| | Add labour cess @ 1% | | | | | 0.370 | |
| | Rate including labour cess | | | | | 37.691 | |
| | | | **Say** | **Rs.37.70** | | | |
| **23.20** | **Filling mixture of earth and sludge or manure in the deisired proportion in trenches, flooding with water and levelling (cost of supplying earth and sludge or manure and mixing excluded).** | | | | | | |
| | Details of cost for 10 cum | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 0.170 | 254.000 | (0114) | 43.180 | |
| | Coolie | per day | 0.080 | 265.000 | (0115) | 21.200 | |
| | Add for water charges @ 1 % | | | | | 0.260 | |
| | Total | | | | | 64.64 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 9.08 | |
| | Total | | | | | 73.72 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 11.06 | |
| | Cost of 10 m | | | | | 84.780 | |
| | Cost of 1 m | | | | | 8.478 | |
| | Add labour cess @ 1% | | | | | 0.080 | |
| | Rate including labour cess | | | | | 8.558 | |
| | | | **Say Rs.** | **Rs.8.60** | **per tree metre** | | |
| **23.21** | **Excavation in dumped stones or malba including stacking of serviceable and unserviceable material separately and disposal of unserviceable material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed.** | | | | | | |
| | Details of cost for **1** cum | | | | | | |
| | **Labour:** | | | | | | |
| | Beidar | per day | 0.350 | 254.000 | (0114) | 88.900 | |

| Item No. | Description | Unit | Qty | Rate | Rate Code. | Cost Rs. | |
|---|---|---|---|---|---|---|---|
| | Coolie | per day | 0.350 | 265.000 | (0115) | 92.750 | |
| | Add for water charges @ 1 % | | | | | 1.817 | |
| | Total | | | | | 183.47 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 25.78 | |
| | Total | | | | | 209.24 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 31.39 | |
| | Cost of 1 cum | | | | | 240.630 | |
| | Add labour cess @ 1% | | | | | 240.630 | |
| | Rate including labour cess | | | | | 2.410 | |
| | Cost of 1 cum | | | | | 243.040 | |
| | | | **Say Rs.** | **Rs.243.00** | **cum** | | |
| **23.22** | **Excavation in bajri path including stacking of serviceable and unserviceable material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed.** | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 0.43 | 254.000 | (0114) | 109.220 | |
| | Coolie | per day | 0.35 | 265.000 | (0115) | 92.750 | |
| | Add for water charges @ 1 % | | | | | 2.020 | |
| | Total | | | | | 203.99 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 28.66 | |
| | Total | | | | | 232.65 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 34.90 | |
| | Cost of 1 cum | | | | | 267.548 | |
| | Add labour cess @ 1% | | | | | 2.680 | |
| | Rate including labour cess | | | | | 270.228 | |
| | | | **Say Rs.** | **270.200** | **per cum** | | |
| **23.23** | **Efxcavation in water bound macadam road including stacking the serviceable and unserviceable material separatedly and disposal of unserviceabel material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed.** | | | | | | |
| | Details of cost for 1 cum | | | | | | |
| | Labour: | | | | | | |
| | Beldar | per day | 0.530 | 254.000 | (0114) | 134.620 | |
| | Coolie | per day | 0.430 | 265.000 | (0115) | 113.950 | |
| | Add for water charges @ 1 % | | | | | 2.486 | |
| | Total | | | | | 251.06 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 35.27 | |
| | Total | | | | | 286.33 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 42.95 | |
| | Cost of 1 cum | | | | | 329.278 | |
| | Add labour cess @ 1% | | | | | 3.290 | |
| | Rate including labour cess | | | | | 332.568 | |
| | | | **Say Rs.** | **329.300** | **per cum** | | |

| Item No. | Description | Unit | Qty | Rate | Rate Code. | Cost Rs. |
|---|---|---|---|---|---|---|
| **23.24** | **Flooding the ground with water including making kiaries and dismantelling the same. Details of cost for 100 sqm .** | | | | | |
| | Labour: | | | | | |
| | 'Beldar | per day | 0.170 | 254.000 | (0114) | 43.180 |
| | Sundries etc. | 1 time' | 35.880 | 1.800 | (9999) | 64.584 |
| | Add for water charges @ 1 % | | | | | 1.078 |
| | Total | | | | | 108.84 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | | 15.29 |
| | Total | | | | | 124.13 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | | 18.62 |
| | Cost of 100 sqm | | | | | 142.754 |
| | | | | | | 142.754 |
| | Add labour cess @ 1% | | | | | 1.430 |
| | Rate including labour cess | | | | | 144.184 |
| | | | **Say Rs.** | **144.200** | **per sqm** | |

# SUB HEAD : 24.0

# RAIN WATER HARVESTING & TUBEWELLS

## SUB HEAD : 24.0
# Rain Water Harvesting & Tubewells

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 24.1 | **Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different charges of all equipments, tools, plants & machineries required for the job, all strata, preparing and submitting strata chart/bore log, including hire & running complete as per direction of Engineer – in-charge, upto 90 metre depth below gro und level.** | | | | |
| **24.1.1** | **All types of soil.** | | | | |
| **24.1.1.1** | **300 mm dia.** | | | | |
| | Details of cost for 35 metre. | | | | |
| 0020 | Hydraulic Excavator (3D) with driver and fuel | day | 1.00 | 6500.00 | 6500.00 |
| 0005 | Hire charges of Diesel Truck - 9 tonne | day | 0.43 | 2000.00 | 857.20 |
| | Transportation charges for to and fro to site (assume 140m of bore for one shifting) (2 x30)/140 | | | | |
| | Loading, unloading &Errection charges of drilling Rig Machine | | | | |
| 0114 | Beldar | day | 4.00 | 254.00 | 1016.00 |
| 0130 | Mistry | day | 1.00 | 322.00 | 322.00 |
| 7763 | Water supply tanker of 5000 litre capacity | each | 1.00 | 698.04 | 698.04 |
| | Extra labour to assist M/C operator & security | | | | |
| 0114 | Beldar | day | 2.00 | 254.00 | 508.00 |
| 0113 | Chowkidar | day | 1.00 | 267.00 | 267.00 |
| | TOTAL | | | | 10168.24 |
| | Add Water Charges @ 1% | | | | 101.68 |
| | TOTAL | | | | 10269.92 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1442.92 |
| | TOTAL | | | | 11712.85 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1756.93 |
| | Cost of 35 metre | | | | 13469.78 |
| | Cost of 1 metre | | | | 384.85 |
| | Add labour cess 1% | | | | 3.85 |
| | **Say rate** | **per m** | | | **388.70** |
| **24.1.1.2** | **350 mm dia.** | | | | |
| | Details of cost for 32 metre. | | | | |
| 20 | Hydraulic Excavator (3D) with driver and fuel | day | 1.00 | 6500.00 | 6500.00 |
| 5 | Hire charges of Diesel Truck - 9 tonne | day | 0.43 | 2000.00 | 857.20 |
| | Transportation charges for to and fro to site (assume 140m of bore for one shifting) (2 x30)/140 | | | | |
| | Loading, unloading &Errection charges of drilling Rig Machine | | | | |
| 114 | Beldar | day | 4.00 | 254.00 | 1016.00 |
| 130 | Mistry | day | 1.00 | 322.00 | 322.00 |
| 7763 | Water supply tanker of 5000 litre capacity | each | 1.00 | 698.04 | 698.04 |
| | Extra labour to assist M/C operator & security | | | | |
| 114 | Beldar | day | 2.00 | 254.00 | 508.00 |
| 113 | Chowkidar | day | 1.00 | 267.00 | 267.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 10168.24 |
| | Add Water Charges @ 1% | | | | 101.68 |
| | TOTAL | | | | 10269.92 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1442.92 |
| | TOTAL | | | | 11712.85 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1756.93 |
| | Cost of 32 metre | | | | 13469.78 |
| | Cost of 1 metre | | | | 420.93 |
| | Add labour cess 1% | | | | 4.21 |
| | **Say rate** | **per m** | | | **425.10** |
| **24.1.1.3** | **400 mm dia.** | | | | |
| | Details of cost for 25 metre. | | | | |
| 20 | Hydraulic Excavator (3D) with driver and fuel | day | 1.00 | 6500.00 | 6500.00 |
| 5 | Hire charges of Diesel Truck - 9 tonne | day | 0.43 | 2000.00 | 857.20 |
| | Transportation charges for to and fro to site (assume 140m of bore for one shifting) (2 x30)/140 | | | | |
| | Loading, unloading &Errection charges of drilling Rig Machine | | | | |
| 114 | Beldar | day | 4.00 | 254.00 | 1016.00 |
| 130 | Mistry | day | 1.00 | 322.00 | 322.00 |
| 7763 | Water supply tanker of 5000 litre capacity | each | 1.00 | 698.04 | 698.04 |
| | Extra labour to assist M/C operator & security | | | | |
| 114 | Beldar | day | 2.00 | 254.00 | 508.00 |
| 113 | Chowkidar | day | 1.00 | 267.00 | 267.00 |
| | TOTAL | | | | 10168.24 |
| | Add Water Charges @ 1% | | | | 101.68 |
| | TOTAL | | | | 10269.92 |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1442.92 |
| | TOTAL | | | | 11712.85 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1756.93 |
| | Cost of 25 metre | | | | 13469.78 |
| | Cost of 1 metre | | | | 538.79 |
| | Add labour cess 1% | | | | 5.39 |
| | **Say rate** | **per m** | | | **544.20** |
| 24.1.2 | **Rocky strata including Boulders.** | | | | |
| 24.1.2.1 | **300 mm dia.** | | | | |
| | Details of cost for 16 metre. | | | | |
| 0020 | Hydraulic Excavator (3D) with driver and fuel | day | 0.90 | 6500.00 | 5850.00 |
| | Extra diesel required for boring in rocky strata | | | | |
| 1235 | Diesel oil | litre | 6.00 | 42.81 | 256.88 |
| 0005 | Hire charges of Diesel Truck - 9 tonne | day | 0.43 | 2000.00 | 857.20 |
| | Transportation charges for to and fro to site (assume 140m of bore for one shifting) (2 x30)/140 | | | | |
| | Loading, unloading &Errection charges of drilling Rig Machine | | | | |
| 0114 | Beldar | day | 4.00 | 254.00 | 1016.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 0130 | Mistry | day | 1.00 | 322.00 | 322.00 |
| 7763 | Water supply tanker of 5000 litre capacity | each | 1.00 | 698.04 | 698.04 |
| | Extra labour to assist M/C operator & security | | | | |
| 0134 | Rock Hole Driller | day | 0.75 | 267.00 | 200.25 |
| 0114 | Beldar | day | 3.00 | 254.00 | 762.00 |
| 0103 | Blacksmith 2nd class | day | 0.75 | 342.00 | 256.50 |
| 0113 | Chowkidar | day | 1.00 | 267.00 | 267.00 |
| | TOTAL | | | | 10485.87 |
| | Add Water Charges @ 1% | | | | 104.86 |
| | TOTAL | | | | 10590.73 |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1488.00 |
| | TOTAL | | | | 12078.73 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1811.81 |
| | Cost of 16 metre | | | | 13890.54 |
| | Cost of 1 metre | | | | 868.16 |
| | Add labour cess 1% | | | | 8.68 |
| | **Say rate** | **per m** | | | **876.80** |
| **24.1.2.2** | **350 mm dia.** | | | | |
| | Details of cost for 16 metre. | | | | |
| 0020 | Hydraulic Excavator (3D) with driver and fuel | day | 0.90 | 6500.00 | 5850.00 |
| | Extra diesel required for boring in rocky strata | | | | |
| 1235 | Diesel oil | litre | 8.00 | 42.81 | 342.51 |
| 005 | Hire charges of Diesel Truck - 9 tonne | day | 0.43 | 2000.00 | 857.20 |
| | Transportation charges for to and fro to site (assume 140m of bore for one shifting) (2 x30)/140 | | | | |
| | Loading, unloading &Errection charges of drilling Rig Machine | | | | |
| 0114 | Beldar | day | 4.00 | 254.00 | 1016.00 |
| 0130 | Mistry | day | 1.00 | 322.00 | 322.00 |
| 7763 | Water supply tanker of 5000 litre capacity | each | 1.00 | 698.04 | 698.04 |
| | Extra labour to assist M/C operator & security | | | | |
| 0134 | Rock Hole Driller | day | 1.00 | 267.00 | 267.00 |
| 0114 | Beldar | day | 4.00 | 254.00 | 1016.00 |
| 0103 | Blacksmith 2nd class | day | 0.75 | 342.00 | 256.50 |
| 0113 | Chowkidar | day | 1.00 | 267.00 | 267.00 |
| | TOTAL | | | | 10892.25 |
| | Add Water Charges @ 1% | | | | 108.92 |
| | TOTAL | | | | 11001.17 |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1545.66 |
| | TOTAL | | | | 12546.84 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1882.03 |
| | Cost of 16 metre | | | | 14428.86 |
| | Cost of 1 metre | | | | 901.80 |
| | Add labour cess 1% | | | | 9.02 |
| | **Say rate** | **per m** | | | **910.80** |
| **24.1.2.3** | **400 mm dia.** | | | | |
| | Details of cost for 16 metre. | | | | |
| 0020 | Hydraulic Excavator (3D) with driver and fuel | day | 0.90 | 6500.00 | 5850.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Extra diesel required for boring in rocky strata | | | | |
| 1235 | Diesel oil | litre | 16.00 | 42.81 | 685.01 |
| 0005 | Hire charges of Diesel Truck - 9 tonne | day | 0.43 | 2000.00 | 857.20 |
| | Transportation charges for to and fro to site (assume 140m of bore for one shifting) (2 x30)/140 | | | | |
| | Loading, unloading &Errection charges of drilling Rig Machine | | | | |
| 0114 | Beldar | day | 4.00 | 254.00 | 1016.00 |
| 0130 | Mistry | day | 1.00 | 322.00 | 322.00 |
| 7763 | Water supply tanker of 5000 litre capacity | each | 1.00 | 698.04 | 698.04 |
| | Extra labour to assist M/C operator & security | | | | |
| 134 | Rock Hole Driller | day | 1.20 | 267.00 | 320.40 |
| 0114 | Beldar | day | 8.00 | 254.00 | 2032.00 |
| 0103 | Blacksmith 2nd class | day | 0.75 | 342.00 | 256.50 |
| 0113 | Chowkidar | day | 1.00 | 267.00 | 267.00 |
| | TOTAL | | | | 12304.15 |
| | Add Water Charges @ 1% | | | | 123.04 |
| | TOTAL | | | | 12427.20 |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1746.02 |
| | TOTAL | | | | 14173.22 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2125.98 |
| | Cost of 16 metre | | | | 16299.20 |
| | Cost of 1 metre | | | | 1018.70 |
| | Add labour cess 1% | | | | 10.19 |
| | **Say rate** | **per m** | | | **1028.90** |
| **24.2** | **Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer – in-charge, beyond 90 metre & upto 150 metre depth below ground level.** | | | | |
| **24.2.1** | **All types of soil.** | | | | |
| **24.2.1.1** | **300 mm dia.** | | | | |
| | Details of cost for 30 metre. | | | | |
| 20 | Hydraulic Excavator (3D) with driver and fuel | day | 1.00 | 6500.00 | 6500.00 |
| 5 | Hire charges of Diesel Truck - 9 tonne | day | 0.43 | 2000.00 | 857.20 |
| | Transportation charges for to and fro to site (assume 140m of bore for one shifting) (2 x30)/140 | | | | |
| | Loading, unloading &Errection charges of drilling Rig Machine | | | | |
| 114 | Beldar | day | 4.00 | 254.00 | 1016.00 |
| 130 | Mistry | day | 1.00 | 322.00 | 322.00 |
| 7763 | Water supply tanker of 5000 litre capacity | each | 1.00 | 698.04 | 698.04 |
| | Extra labour to assist M/C operator & security | | | | |
| 114 | Beldar | day | 2.00 | 254.00 | 508.00 |
| 113 | Chowkidar | day | 1.00 | 267.00 | 267.00 |
| | TOTAL | | | | 10168.24 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | 101.68 |
| | TOTAL | | | | 10269.92 |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1442.92 |
| | TOTAL | | | | 11712.85 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1756.93 |
| | Cost of 30 metre | | | | 13469.78 |
| | Cost of 1 metre | | | | 448.99 |
| | Add labour cess 1% | | | | 4.49 |
| | **Say rate** | **per m** | | | **453.50** |
| **24.2.1.2** | **350 mm dia.** | | | | |
| | Details of cost for 27 metre. | | | | |
| 20 | Hydraulic Excavator (3D) with driver and fuel | day | 1.00 | 6500.00 | 6500.00 |
| 5 | Hire charges of Diesel Truck - 9 tonne | day | 0.43 | 2000.00 | 857.20 |
| | Transportation charges for to and fro to site (assume 140m of bore for one shifting) (2 x30)/140 | | | | |
| | Loading, unloading &Errection charges of drilling Rig Machine | | | | |
| 114 | Beldar | day | 4.00 | 254.00 | 1016.00 |
| 130 | Mistry | day | 1.00 | 322.00 | 322.00 |
| 7763 | Water supply tanker of 5000 litre capacity | each | 1.00 | 698.04 | 698.04 |
| | Extra labour to assist M/C operator & security | | | | |
| 114 | Beldar | day | 2.00 | 254.00 | 508.00 |
| 113 | Chowkidar | day | 1.00 | 267.00 | 267.00 |
| | TOTAL | | | | 10626.23 |
| | Add Water Charges @ 1% | | | | 106.26 |
| | TOTAL | | | | 10732.49 |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1507.92 |
| | TOTAL | | | | 12240.41 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1836.06 |
| | Cost of 27 metre | | | | 14076.47 |
| | Cost of 1 metre | | | | 521.35 |
| | Add labour cess 1% | | | | 5.21 |
| | **Say rate** | **per m** | | | **526.60** |
| **24.2.1.3** | **400 mm dia.** | | | | |
| | Details of cost for 20 metre. | | | | |
| 20 | Hydraulic Excavator (3D) with driver and fuel | day | 1.00 | 6500.00 | 6500.00 |
| 5 | Hire charges of Diesel Truck - 9 tonne | day | 0.43 | 2000.00 | 857.20 |
| | Transportation charges for to and fro to site (assume 140m of bore for one shifting) (2 x30)/140 | | | | |
| | Loading, unloading &Errection charges of drilling Rig Machine | | | | |
| 114 | Beldar | day | 4.00 | 254.00 | 1016.00 |
| 130 | Mistry | day | 1.00 | 322.00 | 322.00 |
| 7763 | Water supply tanker of 5000 litre capacity | each | 1.00 | 698.04 | 698.04 |
| | Extra labour to assist M/C operator & security | | | | |
| 114 | Beldar | day | 2.00 | 254.00 | 508.00 |
| 113 | Chowkidar | day | 1.00 | 267.00 | 267.00 |
| | TOTAL | | | | 10700.06 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | 107.00 |
| | TOTAL | | | | 10807.06 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1518.39 |
| | TOTAL | | | | 12325.45 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1848.82 |
| | Cost of 20 metre | | | | 14174.27 |
| | Cost of 1 metre | | | | 708.71 |
| | Add labour cess 1% | | | | 7.09 |
| | **Say rate** | **per m** | | | **715.80** |
| **24.2.2** | **Rocky strata including Boulders.** | | | | |
| **24.2.2.1** | 300 mm dia. | | | | |
| | Details of cost for 16 metre. | | | | |
| 20 | Hydraulic Excavator (3D) with driver and fuel | day | 0.90 | 6500.00 | 5850.00 |
| | Extra diesel required for boring in rocky strata | | | | |
| 1235 | Diesel oil | litre | 10.00 | 42.81 | 428.13 |
| 5 | Hire charges of Diesel Truck - 9 tonne | day | 0.43 | 2000.00 | 857.20 |
| | Transportation charges for to and fro to site (assume 140m of bore for one shifting) (2 x30)/140 | | | | |
| | Loading, unloading &Errection charges of drilling Rig Machine | | | | |
| 114 | Beldar | day | 4.00 | 254.00 | 1016.00 |
| 130 | Mistry | day | 1.00 | 322.00 | 322.00 |
| 7763 | Water supply tanker of 5000 litre capacity | each | 1.00 | 698.04 | 698.04 |
| | Extra labour to assist M/C operator & security | | | | |
| 134 | Rock Hole Driller | day | 1.00 | 267.00 | 267.00 |
| 114 | Beldar | day | 5.00 | 254.00 | 1270.00 |
| 103 | Blacksmith 2nd class | day | 0.70 | 342.00 | 239.40 |
| 113 | Chowkidar | day | 1.00 | 267.00 | 267.00 |
| | TOTAL | | | | 11214.78 |
| | Add Water Charges @ 1% | | | | 112.15 |
| | TOTAL | | | | 11326.92 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1591.43 |
| | TOTAL | | | | 12918.36 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1937.75 |
| | Cost of 16 metre | | | | 14856.11 |
| | Cost of 1 metre | | | | 928.51 |
| | Add labour cess 1% | | | | 9.29 |
| | **Say rate** | **per m** | | | **937.80** |
| **24.2.2.2** | **350 mm dia.** | | | | |
| | Details of cost for 16 metre. | | | | |
| 20 | Hydraulic Excavator (3D) with driver and fuel | day | 0.90 | 6500.00 | 5850.00 |
| | Extra diesel required for boring in rocky strata | | | | |
| 1235 | Diesel oil | litre | 12.00 | 42.81 | 513.76 |
| 5 | Hire charges of Diesel Truck - 9 tonne | day | 0.43 | 2000.00 | 857.20 |
| | Transportation charges for to and fro to site (assume 140m of bore for one shifting) (2 x30)/140 | | | | |
| | Loading, unloading &Errection charges of | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | drilling Rig Machine | | | | | |
| 114 | Beldar | day | 4.00 | 254.00 | 1016.00 | |
| 130 | Mistry | day | 1.00 | 322.00 | 322.00 | |
| 7763 | Water supply tanker of 5000 litre capacity | each | 1.00 | 698.04 | 698.04 | |
| | Extra labour to assist M/C operator & security | | | | | |
| 134 | Rock Hole Driller | day | 1.00 | 267.00 | 267.00 | |
| 114 | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| 103 | Blacksmith 2nd class | day | 0.75 | 342.00 | 256.50 | |
| 113 | Chowkidar | day | 1.00 | 267.00 | 267.00 | |
| | TOTAL | | | | 11571.50 | |
| | Add Water Charges @ 1% | | | | 115.72 | |
| | TOTAL | | | | 11687.22 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1642.05 | |
| | TOTAL | | | | 13329.27 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1999.39 | |
| | Cost of 16 metre | | | | 15328.66 | |
| | Cost of 1 metre | | | | 958.04 | |
| | Add labour cess 1% | | | | 9.58 | |
| | **Say rate** | **per m** | | | **967.60** | |
| **24.2.2.3** | 400 mm dia. | | | | | |
| | Details of cost for 14 metre. | | | | | |
| 20 | Hydraulic Excavator (3D) with driver and fuel | day | 0.95 | 6500.00 | 6175.00 | |
| | Extra diesel required for boring in rocky strata | | | | | |
| 1235 | Diesel oil | litre | 16.00 | 42.81 | 685.01 | |
| 5 | Hire charges of Diesel Truck - 9 tonne | day | 0.43 | 2000.00 | 857.20 | |
| | Transportation charges for to and fro to site (assume 140m of bore for one shifting) (2 x30)/140 | | | | | |
| | Loading, unloading &Errection charges of drilling Rig Machine | | | | | |
| 114 | Beldar | day | 4.00 | 254.00 | 1016.00 | |
| 130 | Mistry | day | 1.00 | 322.00 | 322.00 | |
| 7763 | Water supply tanker of 5000 litre capacity | each | 1.00 | 698.04 | 698.04 | |
| | Extra labour to assist M/C operator & security | | | | | |
| 134 | Rock Hole Driller | day | 1.20 | 267.00 | 320.40 | |
| 114 | Beldar | day | 8.00 | 254.00 | 2032.00 | |
| 103 | Blacksmith 2nd class | day | 1.00 | 342.00 | 342.00 | |
| 113 | Chowkidar | day | 1.00 | 267.00 | 267.00 | |
| | TOTAL | | | | 12714.65 | |
| | Add Water Charges @ 1% | | | | 127.15 | |
| | TOTAL | | | | 12841.80 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1804.27 | |
| | TOTAL | | | | 14646.07 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2196.91 | |
| | Cost of 14 metre | | | | 16842.99 | |
| | Cost of 1 metre | | | | 1203.07 | |
| | Add labour cess 1% | | | | 12.03 | |
| | **Say rate** | **per m** | | | **1215.10** | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **24.3** | **Supplying, assembling, lowering and fixing in vertical position in bore well,unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc.all complete, for all depths, as per direction of Engineer – in-charge.** | | | | |
| **24.3.1** | **100 mm nominal size dia.** | | | | |
| | Details of cost for 100 metre. | | | | |
| | MATERIAL: | | | | |
| 7758 | UPVC blind pipe 100 mm dia as per IS: 12818 | metre | 100.00 | 227.10 | 22709.65 |
| 2321 | Carriage of Spun iron S & S pipes 150 mm dia Qty = 50 to consider 50% of carriage as per 2321 | 100 metre | 50.00 | 388.51 | 194.26 |
| | LABOUR: | | | | |
| | for lowering | | | | |
| 114 | Beldar | day | 0.50 | 254.00 | 127.00 |
| 115 | Coolie | day | 0.50 | 265.00 | 132.50 |
| | TOTAL | | | | 23163.41 |
| | Add Water Charges @ 1% | | | | 231.63 |
| | TOTAL | | | | 23395.04 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 3287.00 |
| | TOTAL | | | | 26682.04 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 4002.31 |
| | Cost of 100 metre | | | | 30684.35 |
| | Cost of 1 metre | | | | 306.84 |
| | Add labour cess 1% | | | | 3.07 |
| | **Say rate** | **per m** | | | **309.90** |
| **24.3.2** | **150 mm nominal size dia.** | | | | |
| | Details of cost for 100 metre. | | | | |
| | MATERIAL: | | | | |
| 7745 | PVC blind pipe 150 mm dia as per IS: 12818 | metre | 100.00 | 453.26 | 45326.23 |
| 2321 | Carriage of Spun iron S & S pipes 150 mm dia Qty = 50 to consider 50% of carriage as per 2321 | 100 metre | 50.00 | 388.51 | 194.26 |
| | LABOUR: | | | | |
| | for lowering | | | | |
| 114 | Beldar | day | 0.50 | 254.00 | 127.00 |
| 115 | Coolie | day | 0.50 | 265.00 | 132.50 |
| 9999 | Sundries (Adhesive etc.) | L.S. | 10.07 | 1.80 | 18.13 |
| | TOTAL | | | | 45798.11 |
| | Add Water Charges @ 1% | | | | 457.98 |
| | TOTAL | | | | 46256.09 |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 6498.98 |
| | TOTAL | | | | 52755.07 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 7913.26 |
| | Cost of 100 metre | | | | 60668.33 |
| | Cost of 1 metre | | | | 606.68 |
| | Add labour cess 1% | | | | 6.07 |
| | **Say rate** | **per m** | | | **612.80** |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **24.3.3** | **200 mm nominal size dia.** | | | | | |
| | Details of cost for 100 metre. | | | | | |
| | MATERIAL: | | | | | |
| 7746 | PVC blind pipe 200 mm dia as per IS: 12818 | metre | 100.00 | 483.05 | 48304.54 | |
| 2322 | Carriage of Spun iron S & S pipes 200 mm dia Qty = 50 to consider 50% of carriage as 2322 | 100 metre | 50.00 | 631.97 | 315.99 | |
| | LABOUR: | | | | | |
| | for lowering | | | | | |
| 114 | Beldar | day | 0.50 | 254.00 | 127.00 | |
| 115 | Coolie | day | 0.50 | 265.00 | 132.50 | |
| | TOTAL | | | | 48880.03 | |
| | Add Water Charges @ 1% | | | | 488.80 | |
| | TOTAL | | | | 49368.83 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 6936.32 | |
| | TOTAL | | | | 56305.15 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 8445.77 | |
| | Cost of 100 metre | | | | 64750.92 | |
| | Cost of 1 metre | | | | 647.51 | |
| | Add labour cess 1% | | | | 6.48 | |
| | **Say rate** | **per m** | | | **654.00** | |
| **24.3.4** | **50 mm nominal size dia.** | | | | | |
| | Details of cost for 100 metre. | | | | | |
| | MATERIAL: | | | | | |
| 7758A | uPVC blind pipe 75 mm dia as per IS: 12818 | metre | 100.00 | 158.00 | 15800.00 | |
| 2321 | Carriage of Spun iron S & S pipes 150 mm dia Qty = 50 to consider 50% of carriage as per 2321 | 100 metre | 50.00 | 393.73 | 196.86 | |
| | LABOUR: | | | | | |
| | for lowering | | | | | |
| 114 | Beldar | day | 0.50 | 254.00 | 127.00 | |
| 115 | Coolie | day | 0.50 | 265.00 | 132.50 | |
| | TOTAL | | | | 16256.36 | |
| | Add Water Charges @ 1% | | | | 162.56 | |
| | TOTAL | | | | 16418.93 | |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 2306.86 | |
| | TOTAL | | | | 18725.79 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2808.87 | |
| | Cost of 100 metre | | | | 21534.65 | |
| | Cost of 1 metre | | | | 215.35 | |
| | Add labour cess 1% | | | | 2.15 | |
| | **Say rate** | **per m** | | | **217.50** | |
| **24.3.5** | **75 mm nominal size dia.** | | | | | |
| | Details of cost for 100 metre. | | | | | |
| | MATERIAL: | | | | | |
| 7758B | uPVC blind pipe 75 mm dia as per IS: 12818 | metre | 100.00 | 276.00 | 27600.00 | |
| 2321 | Carriage of Spun iron S & S pipes 150 mm dia Qty = 50 to consider 50% of carriage as per 2321 | 100 metre | 50.00 | 393.73 | 196.86 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | LABOUR: | | | | |
| | for lowering | | | | |
| 114 | Beldar | day | 0.50 | 254.00 | 127.00 |
| 115 | Coolie | day | 0.50 | 265.00 | 132.50 |
| | TOTAL | | | | 28056.36 |
| | Add Water Charges @ 1% | | | | 280.56 |
| | TOTAL | | | | 28336.93 |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 3981.34 |
| | TOTAL | | | | 32318.27 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 4847.74 |
| | Cost of 100 metre | | | | 37166.01 |
| | Cost of 1 metre | | | | 371.66 |
| | Add labour cess 1% | | | | 3.72 |
| | **Say rate** | **per m** | | | **375.40** |
| **24.4** | **Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS:12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.** | | | | |
| **24.4.1** | **100 mm nominal size dia.** | | | | |
| | Details of cost for 100 metre. | | | | |
| | MATERIAL: | | | | |
| 7759 | uPVC slotted pipe 100 mm dia as per IS: 12818 | metre | 100.00 | 353.67 | 35367.49 |
| 2321 | Carriage of Spun iron S & S pipes 150 mm dia Qty = 50 to consider 50% of carriage as per 2321 | 100 metre | 50.00 | 393.73 | 196.86 |
| | LABOUR: | | | | |
| | for lowering | | | | |
| 114 | Beldar | day | 0.50 | 254.00 | 127.00 |
| 115 | Coolie | day | 0.50 | 265.00 | 132.50 |
| 9999 | Sundries (Adhesive etc.) | L.S. | 10.07 | 1.80 | 18.13 |
| | TOTAL | | | | 35841.98 |
| | Add Water Charges @ 1% | | | | 358.42 |
| | TOTAL | | | | 36200.40 |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 5086.16 |
| | TOTAL | | | | 41286.55 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 6192.98 |
| | Cost of 100 metre | | | | 47479.54 |
| | Cost of 1 metre | | | | 474.80 |
| | Add labour cess 1% | | | | 4.75 |
| | **Say rate** | **per m** | | | **479.50** |
| **24.4.2** | **150 mm nominal size dia.** | | | | |
| | Details of cost for 100 metre. | | | | |
| | MATERIAL: | | | | |
| 7751 | PVC slotted pipe 150 mm dia as per IS: 12818 | metre | 100 | 418.83 | 41882.55 |
| 2321 | Carriage of Spun iron S & S pipes 150 mm dia Qty = 50 to consider 50% of carriage as per 2321 | 100 metre | 50 | 393.73 | 196.86 |
| | LABOUR: | | | | |
| | for lowering | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| 114 | Beldar | day | 0.5 | 254.00 | 127.00 | |
| 115 | Coolie | day | 0.5 | 265.00 | 132.50 | |
| 9999 | Sundries (Adhesive etc.) | L.S. | 10.07 | 1.80 | 18.13 | |
| | TOTAL | | | | 42357.04 | |
| | Add Water Charges @ 1% | | | | 423.57 | |
| | TOTAL | | | | 42780.61 | |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 6010.68 | |
| | TOTAL | | | | 48791.29 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 7318.69 | |
| | Cost of 100 metre | | | | 56109.98 | |
| | Cost of 1 metre | | | | 561.10 | |
| | Add labour cess 1% | | | | 5.61 | |
| | **Say rate** | **per m** | | | **566.70** | |
| **24.4.3** | **200 mm nominal size dia.** | | | | | |
| | Details of cost for 100 metre. | | | | | |
| | MATERIAL: | | | | | |
| 7752 | PVC slotted pipe 200 mm dia as per IS: 12818 | metre | 100.00 | 651.51 | 65150.64 | |
| 2322 | Carriage of Spun iron S & S pipes 200 mm dia Qty = 50 to consider 50% of carriage as per 2322 | 100 metre | 50.00 | 640.46 | 320.23 | |
| | LABOUR: | | | | | |
| | for lowering | | | | | |
| 114 | Beldar | day | 0.50 | 254.00 | 127.00 | |
| 115 | Coolie | day | 0.50 | 265.00 | 132.50 | |
| 9999 | Sundries (Adhesive etc.) | L.S. | 13.42 | 1.80 | 24.16 | |
| | TOTAL | | | | 65754.53 | |
| | Add Water Charges @ 1% | | | | 657.55 | |
| | TOTAL | | | | 66412.07 | |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 9330.90 | |
| | TOTAL | | | | 75742.97 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 11361.45 | |
| | Cost of 100 metre | | | | 87104.41 | |
| | Cost of 1 metre | | | | 871.04 | |
| | Add labour cess 1% | | | | 8.71 | |
| | **Say rate** | **per m** | | | **879.80** | |
| **24.4.5** | **75 mm nominal size dia.** | | | | | |
| | Details of cost for 100 metre. | | | | | |
| | MATERIAL: | | | | | |
| 7759B | uPVC slotted pipe 75 mm dia as per IS: 12818 | metre | 100.00 | 354.00 | 35400.00 | |
| 2321 | Carriage of Spun iron S & S pipes 150 mm dia Qty = 50 to consider 50% of carriage as per 2321 | 100 metre | 50.00 | 393.73 | 196.86 | |
| | LABOUR: | | | | | |
| | for lowering | | | | | |
| 114 | Beldar | day | 0.50 | 254.00 | 127.00 | |
| 115 | Coolie | day | 0.50 | 265.00 | 132.50 | |
| 9999 | Sundries (Adhesive etc.) | L.S. | 10.07 | 1.80 | 18.13 | |
| | TOTAL | | | | 35874.49 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | 358.74 | |
| | TOTAL | | | | 36233.23 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 5090.77 | |
| | TOTAL | | | | 41324.00 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 6198.60 | |
| | Cost of 100 metre | | | | 47522.60 | |
| | Cost of 1 metre | | | | 475.23 | |
| | Add labour cess 1% | | | | 4.75 | |
| | **Say rate** | **per m** | | | **480.00** | |
| **24.4.4** | **50 mm nominal size dia.** | | | | | |
| | Details of cost for 100 metre. | | | | | |
| | MATERIAL: | | | | | |
| 7759A | uPVC slotted pipe 50 mm dia as per IS: 12818 | metre | 100.00 | 260.00 | 26000.00 | |
| 2321 | Carriage of Spun iron S & S pipes 150 mm dia Qty = 50 to consider 50% of carriage as per 2321 | 100 metre | 50.00 | 388.51 | 194.26 | |
| | LABOUR: | | | | | |
| | for lowering | | | | | |
| 114 | Beldar | day | 0.50 | 254.00 | 127.00 | |
| 115 | Coolie | day | 0.50 | 265.00 | 132.50 | |
| 9999 | Sundries (Adhesive etc.) | L.S. | 10.07 | 1.80 | 18.13 | |
| | TOTAL | | | | 26471.88 | |
| | Add Water Charges @ 1% | | | | 264.72 | |
| | TOTAL | | | | 26736.60 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 3756.49 | |
| | TOTAL | | | | 30493.09 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 4573.96 | |
| | Cost of 100 metre | | | | 35067.06 | |
| | Cost of 1 metre | | | | 350.67 | |
| | Add labour cess 1% | | | | 3.51 | |
| | **Say rate** | **per m** | | | **354.20** | |
| **24.5** | **Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm,in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.** | | | | | |
| | Details of cost for 1 cum. | | | | | |
| | MATERIAL: | | | | | |
| 7753 | Boulder 50 mm to 200 mm including carriage | cum | 1.00 | 651.51 | 651.51 | |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 | |
| 9999 | Sundries | L.S. | 1.00 | 1.80 | 1.80 | |
| | TOTAL | | | | 716.81 | |
| | Add Water Charges @ 1% | | | | 7.17 | |
| | TOTAL | | | | 723.97 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 101.72 | |
| | TOTAL | | | | 825.69 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 123.85 | |
| | Cost of 1 cum | | | | 949.55 | |
| | Add labour cess 1% | | | | 9.50 | |
| | **Say rate** | per m | | | 959.00 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **24.6** | **Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.** | | | | |
| | Details of cost for 1 cum. | | | | |
| | MATERIAL: | | | | |
| 7754 | Gravel 5 mm to 10 mm including carriage | cum | 1 | 744.58 | 744.58 |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 |
| 9999 | Sundries | L.S. | 1 | 1.80 | 1.80 |
| | TOTAL | | | | 809.88 |
| | Add Water Charges @ 1% | | | | 8.10 |
| | TOTAL | | | | 817.98 |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 114.93 |
| | TOTAL | | | | 932.90 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 139.94 |
| | Cost of 1 cum | | | | 1072.84 |
| | Add labour cess 1% | | | | 10.73 |
| | **Say rate** | **per m** | | | **1083.60** |
| **24.7** | **Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, allcomplete as per direction of Engineer – incharge.** | | | | |
| | Details of cost for 1 cum. | | | | |
| | MATERIAL: | | | | |
| 7755 | Gravel 1.5 mm to 2 mm including carriage | cum | 1 | 744.58 | 744.58 |
| 114 | Beldar | day | 0.25 | 254.00 | 63.50 |
| 9999 | Sundries | L.S. | 1 | 1.80 | 1.80 |
| | TOTAL | | | | 809.88 |
| | Add Water Charges @ 1% | | | | 8.10 |
| | TOTAL | | | | 817.98 |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 114.93 |
| | TOTAL | | | | 932.90 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 139.94 |
| | Cost of 1 cum | | | | 1072.84 |
| | Add labour cess 1% | | | | 10.73 |
| | **Say rate** | **per m** | | | **1083.60** |
| **24.8** | **Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.** | | | | |
| | Details of cost for 1 cum. | | | | |
| | MATERIAL: | | | | |
| 7772 | Pea Gravel including carriage | cum | 1 | 837.65 | 837.65 |
| 114 | Beldar | day | 0.3 | 254.00 | 76.20 |
| 9999 | Sundries | L.S. | 1 | 1.80 | 1.80 |
| | TOTAL | | | | 915.65 |
| | Add Water Charges @ 1% | | | | 9.16 |
| | TOTAL | | | | 924.81 |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 129.94 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | TOTAL | | | | 1054.74 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 158.21 | |
| | Cost of 1 cum | | | | 1212.95 | |
| | Add labour cess 1% | | | | 12.13 | |
| | **Say rate** | **per m** | | | **1225.10** | |
| 24.9 | **Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of size 1000 x 450x50 mm, reinforced with providing 50 mm dia perforations @ 100 to 125 mm c/c, including providing edge binding with M.S. flats of size 50 mm x 1.6 mm complete, all as per direction of Engineer -in-charge.** | | | | | |
| | **Details of cost for 1 No. RCC drain cover.** | | | | | |
| | **MATERIAL:** | | | | | |
| 7762 | Precast R.C.C. perforated slab | each | 1 | 744.58 | 744.58 | |
| 9999 | Carriage and fixing charges | L.S. | 15 | 1.80 | 27.00 | |
| | TOTAL | | | | 771.58 | |
| | Add Water Charges @ 1% | | | | 7.72 | |
| | TOTAL | | | | 779.29 | |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 109.49 | |
| | TOTAL | | | | 888.79 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 133.32 | |
| | Cost of each | | | | 1022.10 | |
| | Add labour cess 1% | | | | 10.22 | |
| | **Say rate** | **per m** | | | **1032.30** | |
| **24.10** | **Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/ plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make,including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per d irection of Engineer-in-charge.** | | | | | |
| **24.10.1** | **100 mm nominal size dia having minimum wall thickne ss 5.00 mm.** | | | | | |
| | **Details of cost for 30 metre.** | | | | | |
| | **MATERIAL:** | | | | | |
| 7757 | M.S. pipe 100 mm dia casing pipe | metre | 30 | 651.51 | 19545.19 | |
| 7764 | M.S. socket 100 mm dia | each | 5 | 111.69 | 558.43 | |
| 2343 | Carriage of Ductile Iron pipes (k7) 100 mm dia including loading and unloading | 100 metre | 30 | 236.24 | 70.87 | |
| | Painting with Anticorrosive Paint<br>3.14 x.11 x30.00=15.07 sqm. | | | | | |
| 13.65.1 | Rate as per Item Number 13.65.1 of SH: Finishing | sqm | 10.36 | 54.26 | 562.11 | A |
| | LABOUR: | | | | | |
| 114 | Beldar | day | 1.35 | 254.00 | 342.90 | |
| L071 | Mistry | day | 0.5 | 322.00 | 161.00 | |
| | TOTAL | | | | 21240.50 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 206.78397 | |
| | TOTAL | | | | 21447.29 | X |
| | Add GST 12% on "X" except A(multiplying factor 0.1405) | | | | 2934.37 | |
| | TOTAL | | | | 24381.65 | (Y) |
| | Add CPOH @ 15% on "Y" except A | | | | 3572.93 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost of 30 metre | | | | 27954.59 | |
| | Cost of 1 metre | | | | 931.81957 | |
| | Add labour cess 1% | | | | 9.32 | |
| | **Say rate** | **per m** | | | **941.10** | |
| **24.10.2** | **150 mm nominal size dia having minimum wall thickness 5.00 mm.** | | | | | |
| | Details of cost for 30 metre. | | | | | |
| | MATERIAL: | | | | | |
| 7743 | M.S. pipe 150 mm dia casing pipe | metre | 30 | 884.19 | 26525.62 | |
| 7765 | M.S. socket 150 mm dia | each | 5 | 195.45 | 977.26 | |
| 2344 | Carriage of Cast iron pipes 150 mm dia including loading and unloading | 100 metre | 30 | 393.73 | 118.12 | |
| | Painting with Anticorrosive Paint | | | | | |
| | 3.14 x.160 x30.00=15.07 sqm. | | | | | |
| 13.65.1 | Rate as per Item Number 13.65.1 of SH: Finishing | sqm | 15.07 | 54.257 | 817.66 | A |
| | LABOUR: | | | | | |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 | |
| L071 | Mistry | day | 0.5 | 322.00 | 161.00 | |
| | TOTAL | | | | 28955.25 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 281.37595 | |
| | TOTAL | | | | 29236.63 | (X) |
| | Add GST 12% on "X"except A(multiplying factor 0.1405) | | | | 3992.87 | |
| | TOTAL | | | | 33229.49 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 29.75 | |
| | Cost of 30 metre | | | | 33259.25 | |
| | **Cost of 1 metre** | | | | **1108.6415** | |
| | Add labour cess 1% | | | | 11.09 | |
| | **Say rate** | **per m** | | | **1119.70** | |
| **24.10.3** | **200 mm nominal size dia having minimum wall thickness 5.40 mm.** | | | | | |
| | Details of cost for 30 metre. | | | | | |
| | MATERIAL: | | | | | |
| 7744 | M.S. pipe 200 mm dia casing pipe | metre | 30 | 1116.8 7 | 33506.04 | |
| 7766 | M.S. socket 200 mm dia | each | 5 | 251.30 | 1256.48 | |
| 2345 | Carriage of Cast iron ptpes 200 mm dia including loading and unloading | 100 metre | 30 | 640.46 | 192.14 | |
| | Painting with Anticorrosive Paint | | | | | |
| | 3.14 x.210 x30.00=20.25 sqm. | | | | | |
| 13.65.1 | Rate as per Item Number 13.65.1 of SH: Finishing | sqm | 20.25 | 54.257 | 1098.71 | A |
| | LABOUR: | | | | | |
| 114 | Beldar | day | 1.35 | 254.00 | 342.90 | |
| L071 | Mistry | day | 0.5 | 322.00 | 161.00 | |
| | TOTAL | | | | 36557.27 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 354.59 | |
| | TOTAL | | | | 36911.85 | (X) |
| | Add GST 12% on "X"except A(multiplying factor 0.1405) | | | | 5031.75 | |
| | TOTAL | | | | 41943.60 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 6126.73 | |
| | Cost of 30 metre | | | | 48070.33 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost of 1 metre | | | | 1602.34 | |
| | Add labour cess 1% | | | | 16.02 | |
| | **Say rate** | **per m** | | | **1618.40** | |
| **24.11** | **Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain slotted (having slot of size 1.6/ 3.2 mm)mild steel threaded and socketed / plain bevel ended pipe (type A) of required dia,conforming to IS: 8110, of reputed and approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive bitumestic paint of approved brand and manufacture, including hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer – in-charge.** | | | | | |
| **24.11.1** | **100 mm nominal size dia.** | | | | | |
| | **Details of cost for 30 metre.** | | | | | |
| | **MATERIAL:** | | | | | |
| 7757 | M.S. pipe 100 mm dia casing pipe | metre | 30.00 | 651.51 | 19545.19 | |
| 7764 | M.S. socket 100 mm dia | each | 5.00 | 111.69 | 558.43 | |
| 9999 | Extra for making slots | L.S. | 906.04 | 1.80 | 1630.87 | |
| 2343 | Carriage of Ductile Iron pipes (k7) 100 mm dia including loading and unloading | 100 metre | 30.00 | 233.10 | 69.93 | |
| | Painting with Anticorrosive Paint<br>3.14 x.11 x30.00=10.36 sqm. | | | | | |
| 13.65.1 | Rate as per Item Number 13.65.1 of SH: Finishing | sqm | 10.36 | 54.26 | 562.11 | A |
| | LABOUR: | | | | | |
| 114 | Beldar | day | 1.35 | 254.00 | 342.90 | |
| L071 | Mistry | day | 0.50 | 322.00 | 161.00 | |
| | TOTAL | | | | 22870.43 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 223.08 | |
| | TOTAL | | | | 23093.52 | (X) |
| | Add GST 12% on "X"except A(multiplying factor 0.1405) | | | | 3165.66 | |
| | TOTAL | | | | 26259.18 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 3854.56 | |
| | Cost of 30 metre | | | | 30113.74 | |
| | Cost of 1 metre | | | | 1003.79 | |
| | Add labour cess 1% | | | | 10.04 | |
| | **Say rate** | **per m** | | | **1013.80** | |
| **24.11.2** | 150 mm nominal size dia | | | | | |
| | **Details of cost for 30 metre** | | | | | |
| | **MATERIAL:** | | | | | |
| 7743 | M.S. pipe 150 mm dia casing pipe | metre | 30 | 884.19 | 26525.62 | |
| 9999 | Extra for making slots | L.S. | 1208.05 | 1.80 | 2174.49 | |
| 7765 | M.S. socket 150 mm dia | each | 5 | 195.45 | 977.26 | |
| 2344 | Carriage of Cast iron pipes 150 mm dia including loading and unloading | 100 metre | 30 | 388.51 | 116.55 | |
| | Painting with Anticorrosive Paint<br>3.14 x.160 x30.00=15.07 sqm. | | | | | |
| 13.97.1 | Rate as per Item Number 13.97.1 of SH: Finishing | sqm | 15.07 | 54.26 | 817.66 | A |
| | LABOUR: | | | | | |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| L071 | Mistry | day | 0.5 | 322.00 | 161.00 | |
| | TOTAL | | | | 31128.18 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 303.11 | |
| | TOTAL | | | | 31431.28 | (X) |
| | Add GST 12% on "X"except A(multiplying factor 0.1405) | | | | 4301.21 | |
| | TOTAL | | | | 35732.50 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 5237.23 | |
| | Cost of 30 metre | | | | 40969.72 | |
| | Cost of 1 metre | | | | 1365.66 | |
| | Add labour cess 1% | | | | 13.66 | |
| | **Say rate** | **per m** | | | **1379.30** | |
| **24.11.3** | 200 mm nominal size dia. | | | | | |
| | **Details of cost for 30 metre.** | | | | | |
| | **MATERIAL:** | | | | | |
| 7744 | M.S. pipe 200 mm dia casing pipe | metre | 30 | 1116.87 | 3 3506.04 | |
| 9999 | Extra for making slots | L.S. | 1208.05 | 1.80 | 2174.49 | |
| 7766 | M.S. socket 200 mm dia | each | 5 | 251.30 | 1256.48 | |
| 2345 | Carriage of Cast iron ptpes 200 mm dia including loading and unloading | 100 metre | 30 | 631.97 | 189.59 | |
| | Painting with Anticorrosive Paint 3.14 x 0.210 x30.00=20.25 sqm. | | | | | |
| 13.97.1 | Rate as per Item Number 13.97.1 of SH: Finishing | sqm | 20.25 | 54.26 | 1098.71 | A |
| | LABOUR: | | | | | |
| 114 | Beldar | day | 1.4 | 254.00 | 355.60 | |
| 123 | Mason (brick layer) 1 st class | day | 0.5 | 342.00 | 171.00 | |
| | TOTAL | | | | 38751.91 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 376.53 | |
| | TOTAL | | | | 39128.44 | (X) |
| | Add GST 12% on "X"except A(multiplying factor 0.1405) | | | | 5343.18 | |
| | TOTAL | | | | 44471.62 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 6505.94 | |
| | Cost of 30 metre | | | | 50977.56 | |
| | Cost of 1 metre | | | | 1699.25 | |
| | Add labour cess 1% | | | | 16.99 | |
| | **Say rate** | **per m** | | | **1716.20** | |
| **24.12** | **Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other step draw down method, collecting water samples & getting tested in approvedapproved method, measuring static level & draw down etc. by laboratory, i/c disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.** | | | | | |
| | **Details of cost for 8 hrs** | | | | | |
| 40 | Air compressor 250 cfm with two leads for pneumatic cutters / hammers | day | 1 | 1500.00 | 1500.00 | |
| 1235 | Diesel oil | litre | 48 | 42.81 | 2055.04 | |
| | TOTAL | | | | 3555.04 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add Water Charges @ 1% | | | | 35.55 | |
| | TOTAL | | | | 3590.59 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 504.48 | |
| | TOTAL | | | | 4095.07 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 614.26 | |
| | Cost of 8 hour | | | | 4709.32 | |
| | Cost of 1 hour | | | | 588.67 | |
| | Add labour cess 1% | | | | 5.89 | |
| | **Say rate** | **each** | | | **594.60** | |
| **24.13** | **Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of.** | | | | | |
| **24.13.1** | **100 mm dia.** | | | | | |
| | **Details of cost for .** | | | | | |
| | **MATERIAL:** | | | | | |
| | 100mm dia MS screwed cap with locking arrangement | | | | | |
| 7760 | M.S. cap 100 mm dia | each | 1 | 111.69 | 111.69 | X |
| | Add 5% labour facor on X | | | | | |
| | X * 5 / 100 =111.69 * 5 / 100 =5.58 | | | | 5.58 | |
| | TOTAL | | | | 117.27 | |
| | Add Water Charges @ 1% | | | | 1.17 | |
| | TOTAL | | | | 118.44 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 16.64 | |
| | TOTAL | | | | 135.09 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 20.26 | |
| | Cost of each | | | | 155.35 | |
| | Add labour cess 1% | | | | 1.55 | |
| | **Say rate** | **each** | | | **156.90** | |
| **24.13.2** | **150 mm dia.** | | | | | |
| | Details of cost for each. | | | | | |
| | MATERIAL: | | | | | |
| | 100mm dia MS screwed cap with locking arrangement | | | | | |
| 7747 | M.S. cap 150 mm dia | each | 1 | 139.61 | 139.61 | X |
| | Add 5% labour facor on X | | | | | |
| | X * 5 / 100 =139.608510638298 * 5 / 100 =6.98042553191489 | | | | 6.98 | |
| | TOTAL | | | | 146.59 | |
| | Add Water Charges @ 1% | | | | 1.47 | |
| | TOTAL | | | | 148.05 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 20.80 | |
| | TOTAL | | | | 168.86 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 25.33 | |
| | Cost of each | | | | 194.19 | |
| | Add labour cess 1% | | | | 1.94 | |
| | **Say rate** | **each** | | | **196.10** | |
| **24.13.3** | **200 mm dia.** | | | | | |
| | Details of cost for each. | | | | | |
| | MATERIAL: | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | 100mm dia MS screwed cap with locking arrangement | | | | | |
| 7748 | M.S. cap 200 mm dia | each | 1 | 176.84 | 176.84 | X |
| | Add 5% labour facor on X | | | | | |
| | X * 5 / 100 =176.837446808511 * 5 / 100 =8.84187234042553 | | | | 8.84 | |
| | TOTAL | | | | 185.68 | |
| | Add Water Charges @ 1% | | | | 1.86 | |
| | TOTAL | | | | 187.54 | |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 26.35 | |
| | TOTAL | | | | 213.88 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 32.08 | |
| | Cost of each | | | | 245.97 | |
| | Add labour cess 1% | | | | 2.46 | |
| | **Say rate** | **each** | | | **248.40** | |
| **24.14** | **Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.** | | | | | |
| **24.14.1** | 100 mm clamp. | | | | | |
| | Details of cost for each. | | | | | |
| | MATERIAL: | | | | | |
| | Clamps made of MS flat of size 100x10mm thick 1x2mt.x7.80 kg per mt.=15.60 kg. | | | | | |
| 10.1 | Rate as per Item Number 10.1 of SH: Steel work | kg | 15.6 | 67.56 | 1053.97 | A |
| 9999 | Sundries, nuts and bolts etc. | L.S. | 25 | 1.80 | 45.00 | |
| | TOTAL | | | | 1098.97 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.45 | |
| | TOTAL | | | | 1099.42 | (X) |
| | Add GST 12% on "X"except A(multiplying factor 0.1405) | | | | 6.39 | |
| | TOTAL | | | | 1105.81 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 7.78 | |
| | Cost of each | | | | 1113.58 | |
| | Add labour cess 1% | | | | 11.14 | |
| | **Say rate** | **each** | | | **1124.70** | |
| **24.14.2** | **150 mm clamp.** | | | | | |
| | Details of cost for each. | | | | | |
| | MATERIAL: | | | | | |
| | Clamps made of MS flat of size 100x10mm thick 1x2.10 mt.x7.80 kg per mt.=16.38 kg. | | | | | |
| 10.1 | Rate as per Item Number 10.1 of SH: Steel work | kg | 16.38 | 67.56 | 1106.67 | A |
| 9999 | Sundries, nuts and bolts etc. | L.S. | 30.0 | 1.80 | 54.00 | |
| | TOTAL | | | | 1160.67 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.54 | |
| | TOTAL | | | | 1161.21 | (X) |
| | Add GST 12% on "X"except A(multiplying factor 0.1405) | | | | 7.66 | |
| | TOTAL | | | | 1168.87 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 9.33 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost of each | | | | 1178.21 | |
| | Add labour cess 1% | | | | 11.78 | |
| | **Say rate** | **each** | | | **1190.00** | |
| 24.14.3 | 200 mm clamp. | | | | | |
| | Details of cost for each. | | | | | |
| | MATERIAL: | | | | | |
| | Clamps made of MS flat of size 100x10mm thick 1x2.40 mt.x7.80 kg per mt.=18.72 kg. | | | | | |
| 10.1 | Rate as per Item Number 10.1 of SH: Steel work | kg | 18.72 | 67.56 | 1264.77 | A |
| 9999 | Sundries, nuts and bolts etc. | L.S. | 30.00 | 1.80 | 54.00 | |
| | TOTAL | | | | 1318.77 | |
| | Add Water Charges @ 1% except on A i.e on | | | | 0.54 | |
| | TOTAL | | | | 1319.31 | (X) |
| | Add GST 12% on "X"except A(multiplying factor 0.1405) | | | | 7.66 | |
| | TOTAL | | | | 1326.97 | (Y) |
| | Add CPOH @ 15% on "Y"except A | | | | 9.33 | |
| | Cost of each | | | | 1336.30 | |
| | Add labour cess 1% | | | | 13.36 | |
| | **Say rate** | **each** | | | **1349.70** | |
| **24.15** | **Providing and fixing Bail plug/ Bottom plug of requ ired dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I).** | | | | | |
| **24.15.1** | 100 mm dia. | | | | | |
| | Details of cost for 1 No. | | | | | |
| | MATERIAL: | | | | | |
| 7761 | M.S. bail plug 100 mm dia | each | 1.00 | 139.61 | 139.61 | |
| 9999 | Sundries | L.S. | 5.00 | 1.80 | 9.00 | |
| | TOTAL | | | | 148.61 | |
| | Add Water Charges @ 1% | | | | 1.49 | |
| | TOTAL | | | | 150.09 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 21.09 | |
| | TOTAL | | | | 171.18 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 25.68 | |
| | Cost of each | | | | 196.86 | |
| | Add labour cess 1% | | | | 1.97 | |
| | **Say rate** | **each** | | | **198.80** | |
| **24.15.2** | **150 mm dia.** | | | | | |
| | Details of cost for 1 No. | | | | | |
| | MATERIAL: | | | | | |
| 7749 | M.S bail plug 150 mm dia | each | 1.00 | 176.84 | 176.84 | |
| 9999 | Sundries | L.S. | 5.00 | 1.80 | 9.00 | |
| | TOTAL | | | | 185.84 | |
| | Add Water Charges @ 1% | | | | 1.86 | |
| | TOTAL | | | | 187.70 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 26.37 | |
| | TOTAL | | | | 214.07 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 32.11 | |
| | Cost of each | | | | 246.18 | |
| | Add labour cess 1% | | | | 2.46 | |
| | **Say rate** | **each** | | | 248.60 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **24.15.3** | **200 mm dia.** | | | | |
| | Details of cost for 1 No. | | | | |
| | MATERIAL: | | | | |
| 7750 | M.S bail plug 200 mm dia | each | 1.00 | 195.45 | 195.45 |
| 9999 | Sundries | L.S. | 5.00 | 1.80 | 9.00 |
| | TOTAL | | | | 204.45 |
| | Add Water Charges @ 1% | | | | 2.04 |
| | TOTAL | | | | 206.50 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 29.01 |
| | TOTAL | | | | 235.51 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 35.33 |
| | Cost of each | | | | 270.84 |
| | Add labour cess 1% | | | | 2.71 |
| | **Say rate** | **each** | | | **273.50** |

# SUB HEAD : 25.0
# CONSERVATION OF HERITAGE BUILDINGS

## SUB HEAD : 25.0

# Conservation of Heritage Buildings

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **25.1** | **Raking out joints of stone masonry surface to the required width and depth, with due care and precaution, by mechanical / manual means, including preparing and cleaning the surface for re-pointing/ refilling of joints, including disposal of rubbish to the dumping ground within 50 metre lead.** | | | | | |
| | Details of cost for 1 pan. | | | | | |
| | MATERIAL: | | | | | |
| | Details of cost for 10 sqm. | | | | | |
| | LABOUR: | | | | | |
| **0114** | Beldar | day | 0.53 | 254.00 | 134.62 | |
| **0115** | Coolie | day | 0.08 | 265.00 | 21.20 | |
| **0101** | Bhisti | day | 0.07 | 277.00 | 19.39 | |
| **9999** | Sundries | L.S. | 1.43 | 1.80 | 2.57 | |
| | TOTAL | | | | 177.78 | |
| | Add Water Charges @ 1% | | | | **1.78** | |
| | TOTAL | | | | 179.56 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 25.23 | |
| | TOTAL | | | | 204.79 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 30.72 | |
| | Cost of 10 sqm | | | | 235.51 | |
| | Cost of 1 sqm | | | | 23.55 | |
| | add 1% labour cess | | | | 0.24 | |
| | Say | | | | **23.80** | |
| **25.2** | **Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40 mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, whereverrequired, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge.** | | | | | |
| | **Note:- (1) The elevational area of the scaffolding shall be mesured for payment purpose.** | | | | | |
| | **(2) The payment will be made once only for execution of all items of such works.** | | | | | |
| | Details of cost for area 22.5x9.0=202.50sqm. | | | | | |
| | MATERIAL: | | | | | |
| | Assuming shuttering material will become unserviceable after use of 40 times | | | | | |
| | Adding for maintenance @ 10% of cost | | | | | |
| | Taking slvage value after full use of material @ 25% of cost | | | | | |
| **7397** | Base Jack | each | 0.30 | 139.61 | 41.88 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Qty taken for cost of using once=14x0.85/40=0.2975 | | | | |
| **4009** | Mild steel tubes hot finished welded type 40mm dia Mild steel tubes<br>Vertical standard 2.5m length=7x2x9x2.5= 315.00 m<br>Side support 6.00m length=3x2x6.00=36.00m<br>Horizonatal support 3.00m length=18x3x3.00=162.00m<br>Total=1026.00m @ 3.67 kg/m =3765.42 kg<br>Qty taken for cost of using once= 3765.42x0.85/40=80.02kg | kilogram | 80.02 | 39.09 | 3128.01 |
| **7387** | Spigot for standard jointing<br>7x2x9=126 nos x 0.40m length =50.40m<br>50.40m@2.46kg /m=123.98kg<br>Qty taken for cost of using once= 123.98x0.85/40=2.63kg | kilogram | 2.63 | 41.88 | 110.15 |
| **1034** | Bolts and nuts up to 300 mm in length for spigot<br>2x7x2x9=252 nos<br>@ 0.15 kg each=37.80 kg =0.378q<br>Qty taken for cost of using once= 0.378x0.85/40=0.008q | quintal | 0.008 | 4746.69 | 37.97 |
| **7346** | Double coupler<br>Clamp coupler for fixing MS tube with scafolding 2x3x2+2x18x3=120 nos<br>Qty taken for cost of using once= 120x0.85/40=2.55 nos | each | 2.55 | 44.67 | 113.92 |
| **7398** | Challies<br>3 nos x 18 lines=54 nos<br>Two level plate challies=2x18 lines=36 nos<br>Total=90 nos<br>Qty taken for cost of using once=90x0.85/40=1.9125 nos | each | 1.91 | 744.58 | 1422.15 |
| **7399** | Cup locks<br>For Vertical standards= 5x7x2x9=630 nos)<br>+(2x18x19=694 nos)<br>Total=1314 nos<br>Qty taken for cost of using once= 1314x0.85/40=27.92 | each | 27.92 | 46.54 | 1299.29 |
| **2205** | Carriage of steel<br>40mm dia MS pipe=3765.42kg<br>25mm spigot=123.98kg<br>Nuts & bolts=37.80kg<br>clamp=120 nos@1.00kg each=120.00kg<br>Challies=90 nos @ 15.00kg each=1350.00kg<br>Cup locks=1314 nos @ 0.50kg each= 657.00kg<br>Total=6054.20kg=6.054 tonne | tonne | 6.054 | 94.8 | 573.92 |
| **116** | Fitter (grade 1) | day | 15.50 | 348.00 | 5394.00 |
| **114** | Beldar | day | 31.00 | 254.00 | 7874.00 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **9999** | Sundries | L.S. | 1035.00 | 1.80 | 1863.00 | |
| | TOTAL | | | | 21858.29 | |
| | Add Water Charges @ 1% | | | | **218.58** | |
| | TOTAL | | | | 22076.88 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 3101.80 | |
| | TOTAL | | | | 25178.68 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 3776.80 | |
| | Cost of 202.5 sqm | | | | 28955.48 | |
| | Cost of 1 sqm | | | | 142.99 | |
| | add 1% labour cess | | | | 1.43 | |
| | Say | | | | **144.40** | |

**25.3 Cleaning the sand stone surface and removing dirt, dust, bird dropping, grease,oil, algae, fungus, monkey beats, vegetable growth etc., including providing, applying and washing the surface with liquid Ammonia Chemical of 5% solution and other chemical cleaning agent as approved by Archaeological Survey of India/ Engineerin-charge, of approved brand and manufacturer, with the help of required scrubbers and also cleaning with machine operated water jet mixed with desired quantity of fine silica where ever required, without causing any scratching/ damage to the stone surface and finally washing the surface with clean water with the help of pressure jet machine, complete in all respect, including taking all precautions to safeguard ventilators, windows, doors etc. by suitable covering so as to avoid any damage to the building/ structure, all as per direction of Engineer-in-charge (The rate is inclusive of all materials & labours involved except scaffolding).**

Details of cost for 10 sqm.

| | | | | | | |
|---|---|---|---|---|---|---|
| | MATERIAL: | | | | | |
| **7767** | Stone cleaning chemical approved by ASI<br>1 kg teepal of 3% solution for 10 sqm area<br>cost for 10sqm 0.10 kg @ Rs.164.01 | litre | 0.10 | 153.57 | 15.36 | |
| **7771** | Liquid Amonia 5% | litre | 0.17 | 149.85 | 25.47 | |
| | LABOUR:<br>for applying the camical Salution) | | | | | |
| **103** | Blacksmith 2nd class | day | 0.20 | 223.00 | 44.60 | |
| **114** | Beldar | day | 0.20 | 254.00 | 50.80 | |
| **128** | Mate | day | 0.10 | 270.00 | 27.00 | |
| **9999** | a)Cleaning<br>T & P & its manitinance cost<br>Jet Pump, electrice cable, horse pipe,<br>waler pipe, Nozel safety belt Rope &<br>mantance cost and<br>safety machine for window etc.) | L.S. | 1.00 | 1.80 | 1.80 | |
| **6501** | Sand zone V (Jamuna) | cum | 0.0283 | 117.66 | 3.33 | |
| | Labour (for pressure cleaning) | | | | | |
| **103** | Blacksmith 2nd class | day | 0.40 | 223.00 | 89.20 | |
| **114** | Beldar | day | 0.80 | 254.00 | 203.20 | |
| **128** | Mate | day | 0.10 | 270.00 | 27.00 | |
| | TOTAL | | | | 487.76 | |
| | Add Water Charges @ 1% | | | | **4.88** | |
| | TOTAL | | | | 492.64 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 69.22 | |
| | TOTAL | | | | 561.85 | (Y) |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Add CPOH @ 15% on "Y" | | | | 84.28 | |
| | Cost of 10 sqm | | | | 646.13 | |
| | Cost of 1 sqm | | | | 64.61 | |
| | add 1% labour cess | | | | 0.65 | |
| | Say | | | | **65.30** | |
| **25.4** | **Providing and applying antifungal wash treatment using 3% solution of sodium pentachlorophenate, of reputed brand and manufacturer, on cleaned sand stone surface at desired locations as per direction of Engineer-in-charge (The rate is inclusive of all materials & labours involved except scaffolding).** | | | | | |
| | Details of cost for 10 sqm. | | | | | |
| | MATERIAL: | | | | | |
| **7775** | Sodium pentachlorophenate | kilogram | 0.10 | 586.36 | 58.64 | |
| | LABOUR: | | | | | |
| **103** | Blacksmith 2nd class | day | 0.25 | 223.00 | 55.75 | |
| **114** | Beldar | day | 0.25 | 254.00 | 63.50 | |
| **128** | Mate | day | 0.125 | 270.00 | 33.75 | |
| | TOTAL | | | | 211.64 | |
| | Add Water Charges @ 1% | | | | 2.116356 | |
| | TOTAL | | | | 213.75 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 30.03 | |
| | TOTAL | | | | 243.78 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 36.57 | |
| | Cost of 10 sqm | | | | 280.35 | |
| | Cost of 1 sqm | | | | 28.04 | |
| | add 1% labour cess | | | | 0.28 | |
| | Say | per sqm | | | **28.30** | |
| **25.5** | **Ruled /Flush pointing on Red sand stone masonry surface with lime, surkhi and marble dust mortar in the ratio of 1:1.5:1/2 {One lime: 1.5 surkhi (50% red and 50% light yellow surkhi ):1/2 marble dust}. (The rate is inclusive of all materials & labours involved except scaffolding)** | | | | | |
| | Details of cost for 10 sqm. | | | | | |
| | MATERIAL: | | | | | |
| **3.19** | Rate as per Item Number 3.19 of SH: Mortar | day | 0.023 | 1628.886 | 37.46 | |
| | LABOUR: | | | | | |
| **155** | Mason (average) | day | 0.92 | 305.00 | 280.60 | |
| **115** | Coolie | day | 1.37 | 265.00 | 363.05 | |
| **101** | Bhisti | day | 0.93 | 277.00 | 257.61 | |
| **9999** | Sundries | L.S. | 4.03 | 1.80 | 7.25 | |
| | TOTAL | | | | 945.98 | |
| | Add Water Charges @ 1% | | | | 9.46 | |
| | TOTAL | | | | 955.44 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 134.24 | |
| | TOTAL | | | | 1089.68 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 163.45 | |
| | Cost of 10 sqm | | | | 1253.13 | |
| | Cost of 1 sqm | | | | 125.31 | |
| | add 1% labour cess | | | | 1.25 | |
| | Say | | | | **126.60** | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **25.6** | **Ruled/ Flush pointing on White sand stone masonry surface with lime, surkhi and marble dust mortar in the ratio of 1:1.5:1/2 {One lime:1.5 surkhi (15% dark red and 85% light yellow surkhi ):1/2 marble dust}. (The rate is inclusive of all materials & labours involved except scaffolding).** | | | | | |
| | Details of cost for 10 sqm. | | | | | |
| | MATERIAL: | | | | | |
| **3.19** | Rate as per Item Number 3.19 of SH: Mortar | day | 0.023 | 1628.886 | 37.46 | |
| | LABOUR: | | | | | |
| **155** | Mason (average) | day | 0.92 | 305.00 | 280.60 | |
| **115** | Coolie | day | 1.37 | 265.00 | 363.05 | |
| **101** | Bhisti | day | 0.93 | 277.00 | 257.61 | |
| **9999** | Sundries | L.S. | 4.03 | 1.80 | 7.25 | |
| | TOTAL | | | | 945.98 | |
| | Add Water Charges @ 1% | | | | 9.46 | |
| | TOTAL | | | | 955.44 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 134.24 | |
| | TOTAL | | | | 1089.68 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 163.45 | |
| | Cost of 10 sqm | | | | 1253.13 | |
| | Cost of 1 sqm | | | | 125.31 | |
| | add 1% labour cess | | | | 1.25 | |
| | Say | | | | **126.60** | |
| **25.7** | **Applying two or more coat of Ethyl Silicate chemical as approved by Archaeological Survey of India/ Engineer-in-charge, of approved brand and manufacturer, with brush or spray on the existing stone masonry surface till there is no further absorption of chemical by stone surface, including protecting the applied surface from direct sunlight by suitable means during application, all complete as per direction of the Engineer-in-Charge (The rate is inclusive of all materials & labours involved except scaffolding).** | | | | | |
| | Details of cost for 5 sqm. | | | | | |
| | MATERIAL: | | | | | |
| **7769** | Stone surface strengthening chemical approved by ASI | litre | 1.00 | 949.34 | 949.34 | |
| | LABOUR: | | | | | |
| **131** | Painter | day | 0.15 | 323.00 | 48.45 | |
| **114** | Beldar | day | 0.15 | 254.00 | 38.10 | |
| **9999** | Sundries | L.S. | 6.00 | 1.80 | 10.80 | |
| | TOTAL | | | | 1046.69 | |
| | Add Water Charges @ 1% | | | | 10.47 | |
| | TOTAL | | | | 1057.15 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 148.53 | |
| | TOTAL | | | | 1205.68 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 180.85 | |
| | Cost of 5 sqm | | | | 1386.54 | |
| | Cost of 1 sqm | | | | 277.31 | |
| | add 1% labour cess | | | | 2.77 | |
| | Say | | | | **280.10** | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **25.8** | **Applying breathable, non-reactive, antifungal, and water repellant Silane/ Siloxane chemical as approved by Archaeological Survey of India/ Engineer-in-charge, of approved brand and manufacture, diluted with solvent mineral Turpentine oil in the ratio of 1:12 (One part of approved chemical :12 Part of Turpentine oil), on the existing sand stone masonry surface with two or more coats to give uniform application of chemical on the surface, all complete as per direction of Engineer-In-charge (The rate is inclusive of all materials & labours involved except scaffolding).** | | | | | |
| | Details of cost for 45 sqm. | | | | | |
| | Detail for coverage area 45 sqm | | | | | |
| **7768** | Water repallent chemical approved by ASI | litre | 1.00 | 604.97 | 604.97 | |
| **7770** | Turpentine oil | litre | 12.00 | 51.19 | 614.28 | |
| **131** | Painter | day | 1.00 | 323.00 | 323.00 | |
| **114** | Beldar | day | 1.00 | 254.00 | 254.00 | |
| **9999** | Handling / Transportation charges | L.S. | 6.00 | 1.80 | 10.80 | |
| | TOTAL | | | | 1807.05 | |
| | Add Water Charges @ 1% | | | | 18.07 | |
| | TOTAL | | | | 1825.12 | (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 256.43 | |
| | TOTAL | | | | 2081.55 | (Y) |
| | Add CPOH @ 15% on "Y" | | | | 312.23 | |
| | Cost of 45 sqm | | | | 2393.78 | |
| | Cost of 1 sqm | | | | 53.20 | |
| | add 1% labour cess | | | | 0.53 | |
| | Say | | | | **53.70** | |

# SUB HEAD : 26.0A

# STRUCTURAL GLAZING AND ALUMINIUM COMPOSITE PANEL

## SUB HEAD : 26.0A

# Structural Glazing And Aluminium Composite Panel

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **26A.1** | **Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings , the aluminium quality as per grade 6063 T5 or T6 as per BS 1474,including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge. ( The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account).** | | | | |
| | Details of cost for 6.50 kg.<br>Width of the unit 1.6 m<br>Height of the unit 4.2 m<br>Area of Single Unit 6.72<br>m2<br>Total Area 6.72 m2 No of Panels 1 no<br>Aluminium Weight per m2 6.50 Kg/m2<br>Vision Height 2.2 m<br>Add for cleats, sleeves, screws etc.<br>@5% 0.33<br>Details of cost for 6.50 kg<br>MATERIAL: | | | | |
| 7306 | Aluminium T or L sections | kilogram | 7.17 | 186.14 | **1334.66** |
| 7392 | Powder coating 50 microns on aluminium sections | kilogram | 7.17 | 59.57 | **427.09** |
| | TOTAL | | | | **1761.75** |
| | Add Water Charges @ 1% | | | | **17.62** |
| | TOTAL | | | | 1779.37 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 250.00 |
| | TOTAL | | | | 2029.37 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 304.40 |
| | Cost of 6.50 kg | | | | **2333.77** |
| | Cost of 1 kg | | | | **359.04** |
| | add 1% labour cess | | | | **3.59** |
| | Say | | Rate per Kg | | **362.60** |
| **26A.2** | **Designing, fabricating, testing, protection, installing and fixing in position semi(grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including:**<br>**a) Structural analysis & design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)-cumsmoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against fire hazard including:** | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|

**b) Fabricating and supplying serrated M.S. hot dip galvanised / Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimentional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon seperator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers.**

**c) Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural silicone sealant of required bite size in a clean and controlled factory / work shop environment ,including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacture, as per the approved sealant design, within and all around the perimeter for holding glass.**

**d) Providing and fixing in position flashings of solid aluminium sheet 1 mm thick and of sizes, shapes and profiles, as required as per the site conditions, to seal the gap between the building structure and all its interfaces with curtain glazing to make it watertight.**

**e) Making provision for drainage of moisture/ water that enters the curtain glazing system to make it watertight, by incorporating principles of pressure equalization,providing suitable gutter profiles at bottom (if required), making necessary holes of required sizes and of required numbers etc. complete. This item includes cost of all inputs of designing, labour for fabricating and installation of aluminium grid,installation of glazed units, T&P, scaffolding and other incidental charges including wastages etc., enabling temporary structures and services, cranes or cradles etc.as described above and as specified. The item includes the cost of getting all thestructural and functional design including shop drawings checked by a structuraldesigner, dully approved by Engineer-in-charge.The item also includes the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working structural glazing as specified, cleaning and protection till the handing over of the building for occupation. In the end, the Contractor shall provide a water tight structural glazing having all the performance characteristics etc. all complete as required, as per the Architectural drawings, as per item description,as specified, as per the approved shop drawings and as directed by the Engineerin-Charge.**

**Note:- 1. The cost of providing extruded aluminium frames, shadow boxes, extruded aluminium section capping for fixing in the grooves of the curtain glazing and vermin proof stainless steel wire mesh shall be paid for separately under relevant items under this sub-head. However, for the purpose of payment, only the actual area of structural glazing (including width of grooves ) on the external face shall be measured in sqm. up to two decimal places.**

**Note:-2. The following performance test are to be conducted on structural glazing system if area of structural glazing exceeds 2500 Sqm from the certified laboratories accreditated by NABL(National Accreditation Board for Testing and Calibration Laboratories), Department of Science & Technologies, India. Cost of testing is payable separately. The NIT approving authority will decide the necessity of testing on the basis of cost of the work, cost of the test and importance of the work.**

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | **Performance Testing of Structural glazing system Tests to be conducted in the NBL Certified laboratories**<br>**1. Performance Laboratory Test for Air Leakage Test (-50pa to – 300pa) & (+50pa to +300pa) as per ASTM E-283-04 testing method for a range of testing limit 1 to 200 mVhr"**<br>**2. Static Water Penetration Test. (50pa to 1500pa) as per ASTME- 331-09 testing**<br>**3. Dynamic Water Penetration (50pa to 1500pa) as per AAMA 501.01-05 testing method for a range upto 2000 ml"**<br>**4. Structural Performance Deflection and deformation by static air pressure test (1.5 times desing wind pressure without any failure) as per ASTME-330-10 testing method for a range upto 50 mm"**<br>**5. Seismic Movement Test (upto 30 mm) as per AAMA 501.4-09 testing method for Qualitative test" Tests to be conducted on site**<br>**6. Onsite Test for Water Leakage for a pressure range 50 kpa to 240 kpa (35psi) upto 2000ml"**<br><br>Details of cost for 6.72 sqm.<br>Width of the unit 1.6m<br>Height of the unit 4.2 m<br>Area of Single Unit 6.72 m2<br>Total Area 6.72 m2<br>No of Panels 1<br>Aluminium Weight per m2 6.50 Kg/m2<br>Vision Height 2.2<br>Spandrel Height 2.0<br>Details of cost for 6.72 sqm | | | | |
| 2605 | Structural sealant - 6 mm x 12 mm | metre | 17.02 | 27.92 | **475.23** |
| 2606 | Spacer tape 6.4 mm thick x 6 mm wide | metre | 20.11 | 1 8.61 | **374.34** |
| 2607 | Weather Sealant - Non Staining (600 ml) | each | 1.96 | 390.90 | **766.17** |
| 2608 | Weather Sealant - Normal (300 ml) | each | 2.55 | 116.34 | **296.67** |
| 2609 | MS Brackets/Aluminium Alloy Brackets | kg | 9.78 | 93.07 | **910.25** |
| 2610 | Silicon Gasket in Kg (Above 50 g / m) | kg | 0.78 | 530.51 | **413.80** |
| 2611 | EPDM Gasket in Kg (Above 60 g / m) | kg | 0.7 | 139.61 | **97.73** |
| 2612 | Anchor Fastner - M10 | each | 2 | 9.31 | **18.61** |
| 2613 | SS Bolt with washer of sizes for structural glazing/ ACP Cladding | each | 2 | 32.58 | **65.15** |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 2630 | Baker rod | metre | 5.04 | 4.65 | **23.45** |
| 2614 | SS Screws of sizes for structural glazing / ACP Cladding | each | 52 | 3.72 | **193.59** |
| 2632 | Fire Stop | metre | 1.6 | 511.90 | **819.04** |
| 2615 | Protective Tape | metre | 6.72 | 18.61 | **125.09** |
| 2616 | GI flashing - 1.2 mm Thick | kg | 3.96 | 53.98 | **213.77** |
| 8654 | Masking tape | metre | 6.72 | 2.14 | **14.39** |
| 9999 | Sundries | L.S. | 225.5 | 1.80 | **405.90** |
| 9999 | Sundries (For Fabrication) | L.S. | 1804.03 | 1.8 | **3247.25** |
| 9999 | Sundries (For Installation) | L.S. | 1804.03 | 1.8 | **3247.25** |
| 9999 | Sundries (Transporation) | L.S. | 451 | 1.8 | **811.80** |
| 9999 | Sundries (Scaffolding / Loading / Unloading) | L.S. | 573.23 | 1.8 | **1031.81** |
| 9999 | Sundries (Designing charges etc.) | L.S. | 216.18 | 1.8 | **389.12** |
| | TOTAL | | | | **13940.41** |
| | Add Water Charges @ 1% | | | | **139.40** |
| | TOTAL | | | | 14079.82 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1978.21 |
| | TOTAL | | | | 16058.03 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 2408.70 |
| | Cost of 6.72 sqm | | | | **18466.74** |
| | Cost of 1 sqm | | | | **2748.03** |
| | add 1% labour cess | | | | **27.48** |
| | Say | | Rate per sqm | | **2775.50** |

**26A.3** **Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12- 6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthned clear float glass 6mm thick, spacer tube 12mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor. (Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.26.2) For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm.**

**(i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm Heat Strengthened clear Glass of approved make having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25-0.28) and U value of 3.0 to 3.3 W/m2 degree K etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.**

Details of cost for 6.72 sqm.
Width of the unit 1.6 m
Height of the unit 4.2 m
Area of Single Unit 6.72
m2

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Total Area 6.72 m2<br>No of Panels 1 no<br>Area of Glass deducting area of gap/<br>grove 5% 6.38 m2<br>Vision Height 2.2 m<br>Wastage 10% 0.638 m2<br>Details of cost for 6.72 sqm | | | | |
| 2617 | 6 mm thick High performance glass | sqm | 7.02 | 1721.84 | **12087.30** |
| 2618 | 6 mm thick clear heat strengthened glass | sqm | 7.02 | 595.66 | **4181.55** |
| 9999 | Sundries (for insurance Charges) | L.S. | 126.27 | 1.80 | **227.29** |
| 9999 | Sundries ( Fabrication charges including silicon sealant, baker rod, desecant etc.) | L.S. | 2120.13 | 1.80 | **3816.23** |
| 9999 | Transporation including loading and unloading | L.S. | 126.27 | 1.80 | **227.29** |
| | TOTAL | | | | **20539.66** |
| | Add Water Charges @ 1% | | | | **205.40** |
| | TOTAL | | | | 20745.06 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 2914.68 |
| | TOTAL | | | | 23659.74 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 3548.96 |
| | Cost of 6.72 sqm | | | | **27208.70** |
| | Cost of 1 sqm | | | | **4048.91** |
| | add 1% labour cess | | | | **40.49** |
| | Say | | Rate per sqm | | **4089.40** |
| **26A.4** | **Extra for openable side / top hung vision glass panels (IGUs) including providing and supplying at site all accessories and hardwares for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 -point cremone locking sets with stainless steel plates, handles, buffers etc. including ne cessary stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as per the Architectu ral drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge.**<br>Details of cost for 1.76 sqm.<br>Width of the<br>unit 1.6 m<br>Shuttter Weight<br>Height of the unit<br>1.1 m<br>Outer glass 6 mm<br>Area 1.76 m2<br>Inner glass 6 mm<br>Aluminium Weight per<br>m2 7.78 Kg/m2<br>Al weight 13.7 Kg<br>No of Locking Point 4 no<br>Total 67<br>Kg<br>Wedge Block 1 no<br>Details of cost for 1.76 sqm | | | | |
| 2619 | 6 mm thick clear heat strengthened glass | each | 3 | 119.13 | **357.40** |
| 2611 | EPDM Gasket in Kg (Above 60 g / m) | kg | 0.8 | 139.61 | **111.69** |
| 2614 | SS Screws of sizes for structural glazing | each | 49 | 3.72 | **182.42** |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | / ACP Cladding | | | | |
| 2615 | Protective Tape | metre | 1.76 | 18.61 | **32.76** |
| 2620 | ARMS GS HD -TOP HUNG -20"-TYPE P-COUPLE | pair | 1 | 1442.62 | **1442.62** **0.00** |
| 2621 | Connection Block | each | 2 | 36.30 | **72.60** |
| 2622 | Curtain wall striker | each | 4 | 93.07 | **372.29** |
| 2623 | Adjustable Fastening Pawl | each | 4 | 35.37 | **141.47** |
| 2624 | Corner drive | each | 2 | 274.56 | **549.13** |
| 2625 | Top wedge Block | each | 1 | 125.65 | **125.65** |
| 9999 | Sundries | L.S. | 118 | 1.80 | **212.40** |
| 9999 | Sundries (For Fabrication) | L.S. | 354.36 | 1.80 | **637.85** |
| | TOTAL | | | | **4238.27** |
| | Add Water Charges @ 1% | | | | **42.38** |
| | TOTAL | | | | 4280.65 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 601.43 |
| | TOTAL | | | | 4882.08 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 732.31 |
| | Cost of 1.76 sqm | | | | **5614.39** |
| | Cost of 1 sqm | | | | **3190.00** |
| | add 1% labour cess | | | | **31.90** |
| | Say | | Rate per sqm | | **3221.90** |
| **26A.5** | **Providing, fabricating and supplying shadow box of required size and shape, for fixing in the spandrel portion of the structural glazing, in linear as well as curvilinear portions of the building by providing semi -rigid, inorganic, non-combustible fibre glass wool insulation 50 mm thick, conforming to IS: 8183 and BS: 3958 Part 5. Theinsulation layer shall have facing (factory bonded on surface # 1of the fibre glass insulation layer), of black non-woven fibre glass tissue of nominal thickness 0.5 mm and nominal mass not less than 60 gm / sqm, made of randomly oriented glass fibres distributed in a binder by a wet-lay process including fixing 1.5 mm thick solid aluminum sheet backing using, 6 mm thick cement board including SS rivets, nuts, bolts, washers etc complete.** | | | | |
| | Details of cost for 3.23 sqm.<br>Width of the unit = 0.86 m<br>Height of the unit = 3.75 m<br>Area = 3.23 m2<br>Area including wastage @5 % 3.39<br>Details of cost for 3.23 sqm | | | | |
| 2626 | Glass wool Denisity 48 Kg / m3 with Black Glass Tissue (BGT) | sqm | 3.39 | 214.07 | **725.69** |
| 2634 | GI/Aluminium Sheet (0.8 mm thick) | kg | 21.3 | 41.88 | **892.10** |
| 2627 | SS Screws - # 8 x 19 | each | 32 | 9.31 | **297.83** |
| 2628 | Weather Sealant - DC 789 | cartridge | 2 | 120.99 | **241.99** |
| 2629 | Cement Board | sqm | 3.39 | 232.68 | **788.79** |
| 9999 | Sundries with clips & adhesives | L.S. | 308.5 | 1.8 | **555.30** |
| 9999 | Sundries (For Fabrication) | L.S. | 170.64 | 1.8 | **307.15** |
| 9999 | Sundries (For Installation) | L.S. | 170.64 | 1.8 | **307.15** |
| | TOTAL | | | | **4116.00** |
| | Add Water Charges @ 1% | | | | **41.16** |
| | TOTAL | | | | 4157.16 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 584.08 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 4741.24 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 711.19 |
| | Cost of 3.23sqm | | | | **5452.42** |
| | Cost of 1 sqm | | | | **1688.06** |
| | add 1% labour cess | | | | **16.88** |
| | Say | | Rate per sqm | | **1704.90** |
| **26A.6** | **Providing and supplying Spandrel Glass Panels comprising of 6 mm thick heat strengthened monolithic Providing and supplying Spandrel Glass Panels comprising of 6 mm thick heat strengthened monolithic float glass of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade so as to match the colo ur and shade of the IGUs in the vision panels etc. ,all complete for the required performan ces as specified, as per the Architectural drawings, as per the approved shop drawings, as specified, and as directed by the Engineer- in- Charge. For payment, only the actual area of gl ass on face # 1 of the glass panels (but excluding the area of grooves and weather silicone seal ant) provided and fixed in position, shall be measured in sqm.(Payment for fixing of Spandrel Gla ss Panels in the curtain glazing is included in cost of relevent Item*). (i) Coloured tinted flo at glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm Heat St rengthened clear Glass of approved make having properties as visible Light transmitt ance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25- 0.28) and U value of 3.0 to 3.3 W/m2 degree K etc. . The properties of p erformance glass shall be decided by technical sanctioning authority as per the site requirement.** | | | | | |
| | Details of cost for 3.23 sqm. | | | | |
| | Width of the unit = 0.86 m | | | | |
| | Height of the unit = 3.75 m | | | | |
| | Area = 3.23 m2 | | | | |
| | Area i/c wastage @ 5 % 3.39 m2 | | | | |
| | Details of cost for 3.23 sqm | | | | |
| 2617 | 6 mm thick High performance glass | sqm | 3.39 | 1721.84 | **5837.03** |
| 9999 | Sundries (Insurance charges) | L.S. | 43.46 | 1.8 | **78.23** |
| 9999 | Sundries (Fabrication charges including silicon sealant, baker rod, desecant etc.) | L.S. | 682.55 | 1.8 | **1228.59** |
| 9999 | Sundries (transporation including loading & unloading) | L.S. | 147.59 | 1.8 | **265.66** |
| | TOTAL | | | | **7409.51** |
| | Add Water Charges @ 1% | | | | **74.10** |
| | TOTAL | | | | 7483.61 (X) |
| | Add GST 12% on "X"(multiplying factor 0.1405) | | | | 1051.45 |
| | TOTAL | | | | 8535.05 (Y) |
| | Add CPOH @ 15% on "Y" | | | | 1280.26 |
| | Cost of 3.23 sqm | | | | **9815.31** |
| | Cost of 1 sqm | | | | **3038.80** |
| | add 1% labour cess | | | | **30.39** |
| | Say | | Rate per sqm | | **3069.20** |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **26A.7** | **Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including:curvilinear portions of the building, for all heights and all levels etc. including:**<br><br>**a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.**<br><br>**b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metalic colour of approved shades made out of 4 mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.**<br><br>**c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall occupation. Base frame work for ACP cladding is payable under the relevant aluminium item.s The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge.However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.**<br><br>Details of cost for 6.72 sqm.<br>Width of the<br>unit 1.6 m<br>Height of the unit<br>4.2 m<br>Area of Single Unit<br>6.72 m2<br>Total<br>Area 6.72 m2<br>No of Panels 1 no<br>Area i/c wastage @ 5%<br>7.06 m2<br>Details of cost for 6.72 sqm | | | | |
| 2607 | Weather Sealant - Non Staining (600 ml) | each | 2 | 390.9038 | **781.81** |
| 2608 | Weather Sealant - Normal (300 ml) | each | 2 | 116.3404 | **232.68** |
| 2609 | MS Brackets/Aluminium Alloy Brackets | kg | 10 | 93.07234 | **930.72** |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 2611 | EPDM Gasket in Kg (Above 60 g / m) | kg | 0.7 | 139.6085 | **97.73** |
| 2612 | Anchor Fastner - M10 | each | 2 | 9.307234 | **18.61** |
| 2613 | SS Bolt with washer of sizes for structural glazing / ACP Cladding | each | 2 | 32.57532 | **65.15** |
| 2614 | SS Screws of sizes for structural glazing / ACP Cladding | each | 49 | 3.722894 | **182.42** |
| 2615 | Protective Tape | metre | 7 | 18.61447 | **130.30** |
| 2630 | Baker rod | metre | 5 | 4.653617 | **23.27** |
| 2616 | GI flashing - 1.2 mm Thick | kg | 4 | 53.98196 | **215.93** |
| 2631 | 4 mm thick ACP | sqm | 7.06 | 930.72 | **6570.91** |
| 9999 | Sundries | L.S. | 451 | 1.8 | **811.80** |
| 9999 | Sundries (For Fabrication) | L.S. | 1895.3 | 1.8 | **3411.54** |
| 9999 | Sundries (For Installation) | L.S. | 1895.3 | 1.8 | **3411.54** |
| 9999 | Sundries (scaffolding /loading / unloading) ) | L.S. | 602.25 | 1.8 | **1084.05** |
| 9999 | Sundries (transportation ) | L.S. | 473.83 | 1.8 | **852.89** |
| 9999 | Sundries (Designing charges etc.) | L.S. | 328.15 | 1.8 | **590.67** |
| | TOTAL | | | | **19412.02** |
| | Add Water Charges @ 1% | | | | **194.12** |
| | Total | | | | 19606.14 (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 2754.663 |
| | Total | | | | 22360.81 (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | 3354.12 |
| | Cost of 6.72 sqm | | | | **25714.93** |
| | Cost of 1 sqm | | | | **3826.63** |
| | add 1% labour cess | | | | **38.27** |
| | Say | | Rate per sqm | | **3864.90** |

**26A.8** **Design supply & installation of suspended Spider Glozing system designed to withstand the wind pressure as pr IS 875 (Part-III). The Suspended System held with Spider Fittings of SS-316 Grade Steel of approved manufacturer with glass panel having 12 mm thick clear toughened glass held together with SS- 316 Grade Stainless steel Spider & bolt assembly with laminated glass fins 21 mm thick. The Glass fins and glass panel assembly shall be connected to Slab/beams by means of SS- 316 Grade stainless steel brackets & Anchor bolts and at the bottom SS channel of 50x25x2mm using fastener & anchor bolts, non staining weather sealants of approved make, Teflon/ nylon bushes and separators to prevent bimetallic contacts, all complete to perform as per specification and approveddrawings. The complete system to be designed to accommodate thermal expansion & seismic movements etc. The joints between glass panels (6 to 8 mm) and gaps at the perimeter & in U channel of the assembly to be filled with non staining weather sealant, so as to make the entire system fully water proof & dust proof.The rate shall include all design, Engineering and shop drawing including approval from structural designer, labour, T&P, scaffolding , other incidental charges including wastage, enabling temporary services all fitting fixers nut bolts, washer, Buffer plates, fastener, anchors, SS channel laminated glass etc. all complete.For the purpose of payment, actual elevation area of Glazing including thickness of joints and the portion of Glass panel inside the SS channel shall be measured.**

Details of cost for 35.28 sqm.

| | | | | | |
|---|---|---|---|---|---|
| 26.8X | Rate as per Annexure to item 26.8X ( A Spider fittings) for 35.28 sqm | each | 1 | 95708.01 | 95708.01 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | B : Local Hardware | | | | | |
| | TOTAL | | | | 95708.01 | |
| | Add Water Charges @ 1% | | | | 957.0801 | |
| | Total | | | | 96665.09 | (X) |
| | Add GST 12% on "X" (multiplying factor 0.1405) | | | | 13581.445 | |
| | Total | | | | 110246.54 | (Y) |
| | Add for contractor's profit and over-heads @ 15% on "Y" | | | | 16536.98 | |
| | Cost of 35.28 sqm | | | | 126783.52 | |
| | Cost of 1 sqm | | | | 3593.6371 | |
| | add 1% labour cess | | | | 35.94 | |
| | Say | | Rate per sqm | | **3629.60** | |
| **26.8X** | **Annexure to item 26.8 ( A Spider fittings).** | | | | | |
| Code | Description | Unit | Quantity | Rate | Amount | |
| | Details of cost for each. | | | | | |
| | A: Spider fitting | | | | | |
| | WD HT Qty Sqmt | | | | | |
| | Façade area 7.00 | | | | | |
| | 5.04 1.00 35.28 | | | | | |
| | Fin Area 0.40 | | | | | |
| | 2.30 5.00 4.60 | | | | | |
| 8945 | 4 Point facade glass bracket | Nos | 5 | 3088.14 | **15440.70** | |
| 8946 | 2 Point facade glass bracket | Nos | 2 | 1544.07 | **3088.14** | |
| 8947 | 1 Point facade glass bracket | Nos | 12 | 1209.94 | **14519.29** | |
| 8948 | Flate head bolt | Nos | 46 | 605.90 | **27871.44** | |
| 8949 | 400 fin plate at top | pair | 5 | 5520.12 | **27600.60** | |
| | TOTAL = P | | | | 88520.17 | P |
| | Add for CST @2 % on P | | | | | |
| | P * 2 /100 = | | | | **1770.40** | Q |
| | P + Q = | | | | 90290.58 | R |
| | Add for Octroi @ 6 % on R | | | | | |
| | R * 6 /100 = | | | | 5417.43 | S |
| | R + S = | | | | 95708.01 | |
| | A: Spider fitting | | | | | |
| | Cost of each | | | | 95708.01 | |
| | add 1% labour cess | | | | 957.08 | |
| | Say | | Each | | **96665.10** | |

# SUB HEAD : 26.0

# NEW TECHNOLOGIES AND MATERIALS

## SUB HEAD : 26.0

# New Technologies And Materials

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **26.1** | **Providing & fixing in position Phenol bonded Bamboowood flooring with planks of sizes 14mm thick, 1800mm length (minimum) and 130 mm wide(minimum), in approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC). The flooring shall be fixed with tongue and groove interlocking system, with underlayment of 4mm thick expanded poly ethylene foam sheets having density 40kg/cum, over prepared surface with necessary quarter round planks of size 1900mm x 18mm and door reducer of size 1900mm x 44mm, wherever required. The bomboo wood planks shall have minimum density of 1000 Kg/cum & minimum Hardness 1000 Kgf. with Eco friendly UV coating, all complete as per direction of the Engineer in-charge.** | | | | |
| | Details of cost for 10m x 10m = 100 sqm | | | | |
| | MATERIAL | | | | |
| **8021** | Bamboo wood Tile Flooring 14mm thick of minimum size 1800mm x 130mm, 100 + 10 (Add for wastage @10%) = 110 sqm | sqm | 110.00 | 3513.48 | 386482.89 |
| **8022** | Bamboo wood Quarter Round 18mm thick of size 1900mm x 18mm | metre | 39.90 | 116.34 | 4641.98 |
| **8023** | Bamboo wood reducer 14mm thick of size 1900mm x 44mm | metre | 2.00 | 255.95 | 511.90 |
| **8015** | Expanded poly ethylene Foam sheet4mm thick of Density 40kg/m3 100 + 5 (Add for wastage @5%) = 105 sqm | sqm | 105.00 | 16.75 | 1759.07 |
| **1246** | Silicon based Joint Sealant for Tiles | kg | 5.00 | 139.61 | 698.04 |
| **1247** | Rubber base Adhesive | kg | 5.00 | 160.00 | 800.00 |
| | LABOUR | | | | 0.00 |
| **0111** | Carpenter 1st class | day | 3.00 | 342.00 | 1026.00 |
| **0114** | Beldar | day | 3.00 | 368.00 | 1104.00 |
| **9999** | Sundries | L.S. | 100.00 | 1.80 | 180.00 |
| | TOTAL | | | | 397203.88 |
| | Add 1 % Water charges | | | | 3972.04 |
| | TOTAL | | | | 401175.92 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 56365.22 |
| | Total | | | | 457541.14 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 68631.17 |
| | Cost of 100 sqm | | | | 526172.31 |
| | Cost of 1 sqm | | | | 5261.72 |
| | Add 1% labour cess | | | | 52.62 |
| | rate included labour cess | | | | 5314.34 |
| | Say | | | | 5314.30 |
| **26.2** | **Providing & fixing in position Phenol bonded Bamboo wood in wall skirting with planks of sizes 14mm thick, 1900mm length (minimum) and 85mm wide(minimum), in approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC). The skirting shall be fixed with SS screws & rawl plugs, over underlayment of 4mm thick, expanded poly ethylene foam sheets having 40kg/cum density over prepared surface. The bomboo wood planks shall have minimum density of 1000 Kg/cum & minimum Hardness 1000 Kgf. with Eco friendly UV coating, all complete as per direction of the Engineer in-charge.** | | | | |
| | Detail of cost for 10 sqm skirting MATERIAL | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **8024** | Bamboo wood Skirting 14mm thick of Size 1900mm x 85mm Area of 1 length skirting is 1.9 m x 0.085 m Quantity required for 10 sqm = 10 / 0.1615 = 61.92 pieces Add 2.5% wastage= 1.548 Total = 61.92 + 1.548 = 63.468 Qty in running mtr = 63.468 x1.9m '= 120.59 running meter | sqm | 120.59 | 302.49 | 36476.68 |
| **8015** | High Density Expanded poly ethylene Foam sheet 4mm thick of Density 40kg/m3 10 + 0.5 (Add for wastage@5%) = 10.5 sqm | sqm | 10.50 | 16.75 | 175.91 |
| **8210** | Stainless steel screws 50 mm (62x3=186 nos) | 100 Nos | 1.86 | 241.99 | 450.10 |
| **1246** | Silicon based Joint Sealant for Tiles | kg | 1.00 | 139.61 | 139.61 |
| **1247** | Rubber base Adhesive | kg | 1.00 | 148.92 | 148.92 |
| | LABOUR | | | | |
| **0111** | Carpenter 1st class | day | 1.00 | 342.00 | 342.00 |
| **0114** | Beldar | day | 1.00 | 254.00 | 254.00 |
| **9999** | Sundries | L.S. | 20.00 | 1.80 | 36.00 |
| | TOTAL | | | | 38023.21 |
| | Add 1 % Water charges | | | | 380.23 |
| | TOTAL | | | | 38403.44 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 5395.68 |
| | Total | | | | 43799.12 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 6569.87 |
| | Cost of 10 sqm | | | | 50368.99 |
| | Cost of 1 sqm | | | | 5036.90 |
| | Add 1% labour cess | | | | 50.37 |
| | rate included labour cess | | | | 5087.27 |
| | Say | | | | 5087.30 |
| **26.3** | **Providing & fixing in position Phenol bonded Bamboowood wall cladding at all height with planks of sizes 10mm thick, 1800mm length (minimum) and 130 mm wide (minimum), in approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC), with necesasary profiled edges fixed with 40mm SS screws 5 nos in each tile to frame work made of second class teak wood of size 20x15 mm in centre of each tile and bottom and top of work height, 40x15mm placed at ends of each tile. The cladding shall be laid over backlayment of 1.00 mm thick expanded poly ethylene foam of density 40kg/cum in two layers, first layer on wall surface before fixing wooden frame and second layer on frame under cladding. The bomboo wood planks shall have minimum density of 1000 Kg/cum & minimum Hardness 1000 Kgf. with Eco friendly UV coating, all complete as per direction of the Engineer in-charge.** | | | | |
| **8025** | Details of cost for 10m x 9.5m = 95 sqm MATERIAL Bamboo wood Tile Wall Cladding 10mm thick of size 1900mm x 135mm 10 x 9.5 = 95 + 9.5 (Add for wastage @10%) = 104.5 sqm | sqm | 104.50 | 3141.19 | 328254.51 |
| **8026** | Bamboo wood T-mold 14mm thick of size 1900mm x 44mm At end joints of planks = 4x9.91 = 39.64 mtr +1.98 (Add for wastage 5%) = 41.62 mtr | metre | 41.62 | 255.95 | 10652.59 |
| **8027** | Bamboo wood Threshold 14mm thick of size 1900mm x 44mmAt perriferi of cladding = 2x(10+9.5)+1.95 (Add for wastage @5%) '=40.95 metre | metre | 40.95 | 255.95 | 10481.11 |
| **8016** | High Density expanded poly ethylene (EPE) Foam 1mm thick (2x10x9.5) = 190 + 9.5 (Add for wastage @5%)=199.5 sqm | sqm | 199.50 | 7.91 | 1578.27 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **8210** | Stainless steel screws 50 mm '@500mm c/c at teak wood frame | 100 Nos | 2.58 | 241.99 | 624.33 |
| **8212** | Stainless steel screws 30 mm (5nos in each panels) No of panels=95/(1.9 x 0.135)=370 nos No. of screws= 370 x 5=1850 nos | 100 Nos | 1.85 | 167.53 | 309.93 |
| **1190** | Second class teak wood in planks 10 metre height, at every 1.9 meter height one length of 10 metre i.e (5x9.91x0.02x 0.015+2x10x0.02x.015+2x9.50x.02x.015+4x9.91x0.04x0.0 15)+wastage @5% '=0.052866 cum cudm | 10 cudm | 5.29 | 628.24 | 3323.38 |
| | LABOUR | | | | |
| **0111** | Carpenter 1st class | day | 5.00 | 342.00 | 1710.00 |
| **0112** | Carpenter 2nd class | day | 5.00 | 305.00 | 1525.00 |
| **0114** | Beldar | day | 5.00 | 254.00 | 1270.00 |
| **9999** | Sundries | L.S. | 100.00 | 1.80 | 180.00 |
| | TOTAL | | | | 359909.13 |
| | Add 1 % Water charges | | | | 3599.09 |
| | TOTAL | | | | 363508.22 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 51072.90 |
| | Total | | | | 414581.13 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 62187.17 |
| | Cost of 95 sqm | | | | 476768.29 |
| | Cost of 1 sqm | | | | 5018.61 |
| | Add 1% labour cess | | | | 50.19 |
| | rate included labour cess | | | | 5068.80 |
| | Say | | | | 5068.80 |
| **26.4** | **Providing & fixing in position Phenol bonded Bamboo wood panelled or panelled and glazed shutters for doors windows, clerestorey windows with pre-molded 30mm thick planks, in approved colours, texture & finishe. It shall have 10mm wide, 25mm deep grove to fit in panels.The bamboo wood shall have minimum density of 1000 Kg/cum, minimum Hardness 1000 Kgf. All styles and rails shall have profiled interlocking system locked in place by bamboo pins, all complete as per direction of Engineer in charge. (The panelling will be paid for separately).** | | | | |
| | Details of cost for shutters of Bamboowood 200 x 108cm = 2.16 sqm | | | | |
| | MATERIAL<br>Bamboo wood shutter of doors | | | | |
| **8028** | Styles 4x2.00x0.115x0.03 =0.0276 cum +Top rails 1x1.08x0.11x0.03m = 0.0036 cum +Bottom rails 1x1.08x0.212x0.03'= 0.0069 cum +Lock rails 1x1.08x0.18x0.03 = 0.0058 cum Total =0.0439 cum + 0.004 cum (Wastage @5%) Grand Total =0.0483 cum OR 4.830 cudm | 10 cudm | 4.83 | 1675.30 | 8091.71 |
| **8215** | Stainless steel butt hinges 125x64x1.9 mm IS : 1281 marked | 10 Nos | 0.40 | 232.68 | 93.07 |
| **8211** | Stainless steel screws 40 mm | 100 Nos | 0.32 | 193.59 | 61.95 |
| | LABOUR | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **0156** | Carpenter (average) | day | 0.33 | 305.00 | 100.65 |
| **0114** | Beldar | day | 0.33 | 254.00 | 83.82 |
| **9999** | Sundries T&P etc. | L.S. | 5.62 | 1.80 | 10.12 |
| | TOTAL | | | | 8441.32 |
| | Add 1 % Water charges | | | | 84.41 |
| | TOTAL | | | | 8525.73 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1197.87 |
| | Total | | | | 9723.59 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1458.54 |
| | Cost of 2.16 sqm | | | | 11182.13 |
| | Cost of 1 sqm | | | | 5176.91 |
| | Add 1% labour cess | | | | 51.77 |
| | rate included labour cess | | | | 5228.68 |
| | Say | | | | 5228.70 |
| **26.5** | **Providing & fixing in position Phenol bonded Bamboo wood panelling of 10mm thick, in 25 to 40 mm thick panelled or panelled & glazed shutters for doors, windows, clerestorey windows, in approved colour, texture & finish. The bomboo wood planks shall have minimum density of 1000 Kg/cum & minimum Hardness 1000 Kgf. The panels shall have profiled interlocking system locked in place with bamboo pins all complete as per direction of the Engineer in-charge. (area of opening for panel inserts excluding portion inside grooves or rebates to be measured)** | | | | |
| | Details of cost for shutters of a door with 2/3rd panellingK 200 x 108 cm = 2.16 sqm<br>Panel area = 4x45.1x36.55cm = 0.66 sqm | | | | |
| | MATERIAL | | | | |
| **8029** | Bamboo wood panelling (10mm thick) 4x 47.2x38.65x1.0cm = 0.0073cum + 0.0007 sqm (Add Wastage @10%) Total = 0.008 cum OR 8 cudm | 10 cudm | 0.80 | 1675.30 | 1440.00 |
| | LABOUR | | | | |
| **0156** | Carpenter (average) | day | 0.57 | 305.00 | 266.19 |
| **9999** | Sundries | L.S. | 4.42 | 1.80 | 7.65 |
| | TOTAL | | | | 1713.84 |
| | Add 1 % Water charges | | | | 17.14 |
| | TOTAL | | | | 1730.98 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 243.20 |
| | Total | | | | 1974.18 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 296.13 |
| | Cost of 0.66 sqm | | | | 2270.31 |
| | Cost of 1 sqm | | | | 3439.86 |
| | Add 1% labour cess | | | | 34.40 |
| | rate included labour cess | | | | 3474.26 |
| | Say | | | | 3474.30 |
| **26.6** | **Providing & fixing in position 65 mm thick factory made door frame of Phenol bonded Bamboo wood (superior class, interior use), in approved colour, texture and finish.The bamboo wood shall have minimum density of 1000 Kg/cum, minimum Hardness 1000 Kgf. The door frame shall have tenon & mortise interlocking system, to be fixed to the wall with 100 mm size G.I screws all a complete as per direction of Engineer-in charge.** | | | | |
| | Detail of cost for 33 cudm | | | | |
| | MATERIAL | | | | |
| **8030** | Superior class Bamboo wood door frame 65 mm thick 2x206.75x9.5x6.5 cm = 0.0255 cum + 1x117.50x9.5x65 cm = 0.0072 cum Total = 0.033 cum = 33 cudm + 0.001 cum (Add for wastage @ 5%) Grand total = 0.034 cum= 34 Cudm | 10 cudm | 3.40 | 1675.30 | 5696.03 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | LABOUR | | | | | |
| **0111** | Carpenter 1st class | day | 0.72 | 342.00 | 246.24 | |
| **0114** | Beldar | day | 0.07 | 254.00 | 17.78 | |
| | TOTAL | | | | 5960.05 | |
| | Add 1 % Water charges | | | | 59.60 | |
| | TOTAL | | | | 6019.65 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 845.76 | |
| | Total | | | | 6865.41 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1029.81 | |
| | Cost of 33 cudm | | | | 7895.22 | |
| | Cost of 1 cudm | | | | 239.25 | |
| | Add 1% labour cess | | | | 2.39 | |
| | rate included labour cess | | | | 241.64 | |
| | Say | | | | 241.60 | |
| **26.7** | **Providing and fixing 50 mm thick extruded polystyrene rigid insulation board of required size between cavity wall, complying with ISO 4898:2008 & ASTM C 578- 08b - type VI, having thermal conductivity of 0.0289 W/m K as per ASTM C 578 (measured as per IS 3346), compressive strength of > 350 kPa listed as per ASTM D 1621, density of 34-36 kg/m³ as per ASTM D 1622, water absorptions 1% by volume as per ASTM D 2842, oxygen index of 24.1 to 28.1 listed as per ASTM D 2863, cell size 0.4 mm of dia (max) as per ASTM D 3576. Fire retardent property as per DIN 4102, Part 1 of class B2 and as per ASTM E84 class A, fixed with suitable water based adhesive and fastener, complete in all respect as per the direction of Engineer-in-Charge.** | | | | | |
| | Details of cost for 10 Sqm | | | | | |
| | MATERIAL | | | | | |
| **8561** | Extruded polystyrene rigid insulation board 50 mm thick including 2% wastage | sqm | 10.20 | 465.36 | 4746.69 | |
| | LABOUR | | | | | |
| **0111** | Carpenter 1st class | day | 0.25 | 342.00 | 85.50 | |
| **0128** | Mate | day | 0.25 | 270.00 | 67.50 | |
| **0114** | Beldar | day | 0.25 | 254.00 | 63.50 | |
| **9999** | Sundries (Water based adhesive, fasteners, scaffoldng etc.) | L.S. | 100.00 | 1.80 | 180.00 | |
| | TOTAL | | | | 5143.19 | |
| | Add 1 % Water charges | | | | 51.43 | |
| | TOTAL | | | | 5194.62 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 729.84 | |
| | Total | | | | 5924.47 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 888.67 | |
| | Cost of 10 sqm | | | | 6813.14 | |
| | Cost of 1 sqm | | | | 681.31 | |
| | Add 1% labour cess | | | | 6.81 | |
| | rate included labour cess | | | | 6813.14 | |
| | Say | | | | 6813.10 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **26.8** | **Providing and fixing 50 mm thick extruded polystyrene rigid insulation board of required size under deck on ceiling surface, complying with ISO 4898:2008 & ASTM C 578-08b - type VI, having thermal conductivity of 0.0289 W/m K as per ASTM C 578 (measured as per IS 3346), compressive strength of > 350 kPa listed as per ASTM D 1621, density of 34-36 kg/cum as per ASTM D 1622, water absorptions 1% by volume as per ASTM D 2842, oxygen index of 24.1 to 28.1 listed as per ASTM D 2863, cell size 0.4 mm of dia (max) as per ASTM D 3576. Fire retardent property as per DIN 4102, Part 1 of class B2 and as per ASTM E84 class A, fixed with suitable water based adhesive and fastener, complete in all respect as per the direction of Engineer-in-Charge** | | | | |
| | Details of cost for 10 Sqm | | | | |
| | MATERIAL | | | | |
| **8561** | Extruded polystyrene rigid insulation board 50 mm thick including 2% wastage | sqm | 10.20 | 465.36 | 4746.69 |
| | LABOUR | | | | |
| **0111** | Carpenter 1st class | day | 0.50 | 342.00 | 171.00 |
| **0128** | Mate | day | 0.50 | 270.00 | 135.00 |
| **0114** | Beldar | day | 0.50 | 254.00 | 127.00 |
| **9999** | Sundries (Water based adhesive, fasteners, scaffoldng etc.) | L.S. | 100.00 | 1.80 | 180.00 |
| | TOTAL | | | | 5359.69 |
| | Add 1 % Water charges | | | | 53.60 |
| | TOTAL | | | | 5413.29 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 760.57 |
| | Total | | | | 6173.85 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 926.08 |
| | Cost of 10 sqm | | | | 7099.93 |
| | Cost of 1 sqm | | | | 709.99 |
| | Add 1% labour cess | | | | 7.10 |
| | rate included labour cess | | | | 717.09 |
| | Say | | | | 717.10 |
| **26.9** | **Providing and fixing factory made solid Foam uPVC profile for kitchen cabinet frame (45 x 20 mm) of approved shade, quality and make. The profile shall be laminated on both sides, made from rigid foam sheets (Single extruded) having density 600 Kg/cum and the exposed edges sealed with PVC edge beading of same shade and colour. The frame shall be fire retardent with necessary screw holding capacity. Frame shall be fixed to wall using Expendable Fastner with necesary stainless steel screws, all complete as per direction of Engineer-in- charge** | | | | |
| | Details of cost for kitchen cabinate | | | | |
| | (2.00 x 0.45)+(2.00+0.61)= 2.13 mtr | | | | |
| | MATERIAL | | | | |
| **2491** | Pre laminated both side solid foam uPVC profile (45x20mm)(Accuplist/Accucel/ | | | | |
| | Sintex or equivalent) | metre | 2.13 | 116.34 | 247.81 |
| **2493** | PVC edge beading | metre | 4.26 | 27.92 | 118.95 |
| **2494** | Expandable fastner with plastic sleeve | each | 8.00 | 4.65 | 37.23 |
| **8210** | Stainless steel screws 50 mm | 100 Nos | 0.08 | 241.99 | 19.36 |
| | LABOUR | | | | |
| **0111** | Carpenter 1st class | day | 0.10 | 342.00 | 34.20 |
| **0114** | Beldar | day | 0.10 | 254.00 | 25.40 |
| | TOTAL | | | | 482.94 |
| | Add 1 % Water charges | | | | 4.83 |
| | TOTAL | | | | 487.77 (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 68.53 |
| | Total | | | | 556.30 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 83.45 |
| | Cost for 2.13 metre | | | | 639.75 |
| | Cost for 1 metre | | | | 300.35 |
| | Add 1% labour cess | | | | 3.00 |
| | rate included labour cess | | | | 303.35 |
| | Say | | | | 303.40 |
| **26.10** | **Providing and fixing factory made Kitchen Cabinet Shutter/Partition 20 mm nominal thickness of approved shade, quality and make, made from rigid foam sheets (Single extruded) having density 600 Kg/cum and laminated on both side by laminate Sheet/PVC foil lamination. The exposed edges shall be sealed with PVC edge beading of same shade and colour. The shutter shall be fire retardent having necessary screw holding capacity. Shutter shall be fixed to frame using approved hinges with necessary stainless steel screws, all complete as per direction of Engineer-in-charge.** | | | | |
| | Details of cost for of one shutter 0.46 x0.61m =0.278 sqm | | | | |
| | MATERIAL | | | | |
| **2492** | Solid foam uPVC sheet 20mm thick pre laminated onboth side( Accuplist/Accucel/ Sintex ) | sqm | 0.28 | 1931.25 | 536.89 |
| **2493** | PVC edge beading | metre | 2.13 | 27.92 | 59.47 |
| **9999** | Sundries | L.S. | 20.00 | 1.80 | 36.00 |
| | LABOUR | | | | |
| **0111** | Carpenter 1st class | day | 0.20 | 342.00 | 68.40 |
| **0114** | Beldar | day | 0.20 | 254.00 | 50.80 |
| | TOTAL | | | | 751.56 |
| | Add 1 % Water charges | | | | 7.52 |
| | TOTAL | | | | 759.08 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 106.65 |
| | Total | | | | 865.73 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 129.86 |
| | Cost for 0.278 sqm | | | | 995.59 |
| | Cost for 1 sqm | | | | 3581.24 |
| | Add 1% labour cess | | | | 35.81 |
| | rate included labour cess | | | | 3617.06 |
| | Say | | | | 3617.10 |
| **26.11** | **Providing and fixing concealed hinge of approved quality for 19-20mm thick door with stainless steel screws complete :** | | | | |
| | Details of cost for 10 nos | | | | |
| **8226** | MATERIAL | | | | |
| | Concealed zinc coated hinges 19-20 mm thick with mounting plate hettich make(code 1078660) | 10Nos | 0.10 | 372.29 | 37.23 |
| **8210** | Stainless steel screws 50 mm | 100Nos | 0.80 | 241.99 | 193.59 |
| **9977** | Carriage of material | L.S. | 2.73 | 1.80 | 4.91 |
| | LABOUR | | | | |
| **0112** | Carpenter 2nd class | day | 0.14 | 305.00 | 42.70 |
| **0114** | Beldar | day | 0.09 | 254.00 | 22.86 |
| | TOTAL | | | | 301.29 |
| | Add 1 % Water charges | | | | 3.01 |
| | TOTAL | | | | 304.31 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 42.76 |
| | Total | | | | 347.06 (Y) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 52.06 |
| | Cost of 10 nos | | | | 399.12 |
| | Cost of 1 no | | | | 39.91 |
| | Add 1% labour cess | | | | 0.40 |
| | rate included labour cess | | | | 40.31 |
| | Say | | | | 40.30 |
| **26.12** | **Supplying & laying of bi-axial extruded high modulus polypropylene geogrid coforming to MORTH SPECIFICATION for base/sub-base reinforcement having minimum tensile strength 15kN/m in the longitudinal and transverse direction, with 5kN/m and 7kN/m tensile strength at 2% and 5% strain respectively in the longitudinal and transverse direction, junction efficiency not less than 95% and with 38mm X 38mm mesh opening.** | | | | |
| | Details of Cost for 300 Sqm | | | | |
| | MATERIAL | | | | |
| **8956** | Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 15 kN/m in the longitudinal and transverse direction Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect includng taxes and | Sqm | 300.00 | 88.42 | 26525.62 |
| | transpotarion & takes. 10% of A=14072.5378723404 | | | | 2652.56 |
| | LABOUR | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 |
| | TOTAL | | | | 31714.38 |
| | Add 1 % Water charges | | | | 317.14 |
| | TOTAL | | | | 32031.52 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 4500.43 |
| | Total | | | | 36531.95 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 5479.79 |
| | Cost for 300 Sqm | | | | 42011.74 |
| | Cost per Sqm | | | | 140.04 |
| | Add 1% labour cess | | | | 1.40 |
| | rate included labour cess | | | | 141.44 |
| | Say | | | | 141.40 |
| **26.13** | **Supplying & laying of bi-axial extruded high modulus polypropylene geogrid coforming to MORTH SPECIFICATION for base/sub-base reinforcement having minimum tensile strength 20kN/m in the longitudinal and transverse direction, with 7kN/m and 14kN/m tensile strength at 2% and 5% strain respectively in the longitudinal and transverse direction, junction efficiency not less than 95% and with 38mm X 38mm mesh opening.** | | | | |
| | Details of Cost for 300 Sqm | | | | |
| | MATERIAL | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **8957** | Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 20kN/m in the longitudinal and transverse directionAdd 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect includng taxes and transportation. 10% of 327000=3270 | Sqm | 300.00 | 101.45 | 30434.66 | |
| | transpotarion & takes. 10% of A=14072.5378723404 | | | | 3043.47 | |
| | LABOUR | | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOTAL | | | | 36014.32 | |
| | Add 1 % Water charges | | | | 360.14 | |
| | TOTAL | | | | 36374.46 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 5110.61 | |
| | Total | | | | 41485.08 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 6222.76 | |
| | Cost for 300 Sqm | | | | 47707.84 | |
| | Cost per Sqm | | | | 159.03 | |
| | Add 1% labour cess | | | | 1.59 | |
| | rate included labour cess | | | | 160.62 | |
| | Say | | | | 160.60 | |
| **26.14** | **Supplying & laying of bi-axial extruded high modulus polypropylene geogrid coforming to MORTH SPECIFICATION for base/sub-base reinforcement having minimum tensile strength 30kN/m in the longitudinal and transverse direction, with 10.5kN/m and 21kN/m tensile strength at 2% and 5% strain respectively in the longitudinal and transverse direction, junction efficiency not less than 95% and with 38mm X 38mm mesh opening.** | | | | | |
| | Details of Cost for 300 Sqm | | | | | |
| | MATERIAL | | | | | |
| **8958** | Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 30kN/m in the longitudinal and transverse directionAdd 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect includng | Sqm | 300.00 | 165.67 | 49700.63 | |
| | taxes and transportation. 10% of 53400=5340 | | | | 4970.06 | |
| | LABOUR | | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOTAL | | | | 57206.89 | |
| | Add 1 % Water charges | | | | 572.07 | |
| | TOTAL | | | | 57778.96 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 8117.94 | |
| | Total | | | | 65896.91 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 9884.54 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost for 300 Sqm | | | | 75781.44 |
| | Cost per Sqm | | | | 252.60 |
| | Add 1% labour cess | | | | 2.53 |
| | rate included labour cess | | | | 255.13 |
| | Say | | | | 255.10 |
| **26.15** | **Supplying & laying of bi-axial extruded high modulus polypropylene geogrid coforming to MORTH SPECIFICATION for base/sub-base reinforcement having minimum tensile strength 40kN/m in the longitudinal and transverse direction, with 14kN/m and 28kN/m tensile strength at 2% and 5% strain respectively in the longitudinal and transverse direction, junction efficiency not less than 95% and with 38mm X 38mm mesh opening.** | | | | |
| | Details of Cost for 300 Sqm | | | | |
| | MATERIAL | | | | |
| **8959** | Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 40kN/m in the longitudinal and transverse directionAdd 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect includng | Sqm | 300.00 | 241.99 | 72596.43 |
| | taxes and transportation. 10% of 78000=7800 | | | | 7259.64 |
| | LABOUR | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 |
| | TOTAL | | | | 82392.27 |
| | Add 1 % Water charges | | | | 823.92 |
| | TOTAL | | | | 83216.19 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 11691.87 |
| | Total | | | | 94908.07 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 14236.21 |
| | Cost for 300 Sqm | | | | 109144.28 |
| | Cost per Sqm | | | | 363.81 |
| | Add 1% labour cess | | | | 3.64 |
| | rate included labour cess | | | | 367.45 |
| | Say | | | | 367.50 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **26.16** | **Supplying & laying of drainage composite for use behind walls, between two different fills, alongside drains of road, below concrete lining of canals etc. Geocomposite for planar drainage, realized by thermobonding a draining core in extruded monofilaments with two filtering nonwoven geotextiles that may also be working as separation or protecting layers. The draining three dimensional core will have a "W" configuration as longitudinal parallel channels. Minimum thickness to be 7.2mm, with two filtering UV stabilized polypropylene nonwoven geotextile of minimum thickness of 0.75mm having pores of 150 micron and tensile strength of 8.0 kN/m that will be working as separation or protecting layer, geocomposite having in plane flow capacity of 2.1 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure and tensile strength of 18 kN/m , with mass per unit area of 740 gsm, supplied in the form of roll for easy transportation to site of work as per detailed specification all complete as per directions of Engineer in charge.** | | | | | |
| | Material | | | | | |
| **8960** | Details of Cost for 300 Sqm Geosynthetic Drainage Composite Add 10 per cent of the cost of synthetic Composits for wastage and accessories for joining sheets with the facia pannels, overlaps and other protective elements for synthetic Composits and other miscelleneus activities required to complete the item in all respect | Sqm | 300.00 | 469.08 | 140725.38 | A |
| | including transpotarion & takes. 10% of A | | | | 14072.54 | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOTAL | | | | 157334.12 | |
| | Add 1 % Water charges | | | | 1573.34 | |
| | TOTAL | | | | 158907.46 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 22326.50 | |
| | Total | | | | 181233.96 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 27185.09 | |
| | Cost for 300 Sqm | | | | 208419.05 | |
| | Cost per Sqm | | | | 694.73 | |
| | Add 1% labour cess | | | | 6.95 | |
| | rate included labour cess | | | | 701.68 | |
| | Say | | | | 701.70 | |
| **26.17** | **Supplying & laying of drainage composite for use behind walls, between two different fills, alongside drains of road, below concrete lining of canals etc. having thermobonding a draining core - HDPE geonet comprises of two sets of parallel overlayed ribs integrally connected to have a rhomboidal shape with a polyethylene film and a nonwoven geotextile having mass per unit area 130 g/m2 and tensile strength of 8.0 kN/m that will be working as separation or protecting layer, geocomposite having in plane flow capacity of 0.7 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure and tensile strength of 13.5 kN/ m , with mass per unit area of 830 gsm, at easily accessible location including top and bottom, with all leads and lifts, manpower and machinery, materials, labour etc. complete and as directed by Engineer - In - Charge.** | | | | | |
| | Material | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **8961** | Details of Cost for 300 Sqm Geosynthetic Drainage Composite Add 10 per cent of the cost of synthetic Composits for wastage and accessories for joining sheets with the facia pannels, overlaps and other protective elements for synthetic Composits and other miscellaneus activities required to complete the item in all respect including | Sqm | 300.00 | 558.43 | 167530.21 | |
| | transpotarion & takes. 10% of A | | | | 16753.02 | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOTAL | | | | 186819.43 | |
| | Add 1 % Water charges | | | | 1868.19 | |
| | TOTAL | | | | 188687.63 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 26510.61 | |
| | Total | | | | 215198.24 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 32279.74 | |
| | Cost for 300 Sqm | | | | 247477.98 | |
| | Cost per Sqm | | | | 824.93 | |
| | Add 1% labour cess | | | | 8.25 | |
| | rate included labour cess | | | | 833.18 | |
| | Say | | | | 833.20 | |

**26.18** **Supplying and laying high strength flexible geogrids (HSFG) as soil reinforcement / basal reinforcement as per MORTH 3100 and IRC 113, made of high tenacity polyester core with polyethylene coating with Minimum Long Term Design Strength (LTDS) of more than 50% of ultimate tensile strength at 30 degree Celcius corresponding to 12 % strain .**

**26.18.1** **Ultimate tensile strength- 100 kN/m**

| | | | | | | |
|---|---|---|---|---|---|---|
| | MATERIAL | | | | | |
| **8962** | **Details of Cost for 300 Sqm Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation. 10% of 60000=6000** | Sqm | **300.00** | **186.14** | 55843.40<br>**5584.34** | |
| | LABOUR | | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOATL | | | | 63963.94 | |
| | Add 1 % Water charges | | | | 639.64 | |
| | TOTAL | | | | 64603.58 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 9076.80 | |
| | Total | | | | 73680.39 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 11052.06 | |
| | Cost for 300 Sqm | | | | 84732.45 | |
| | Cost per Sqm | | | | 282.44 | |
| | Add 1% labour cess | | | | 2.82 | |
| | rate included labour cess | | | | 285.27 | |
| | Say | | | | 285.30 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **26.18.2** | **Ultimate tensile strength- 150 kN/m** | | | | | |
| | MATERIAL | | | | | |
| | Details of Cost for 300 Sqm | | | | | |
| **8963** | Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect | Sqm | 300.00 | 204.76 | 61427.74 | |
| | including taxes and transportation. 10% of 66000=6600 | | | | 6142.77 | |
| | LABOUR | | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOATL | | | | 70106.72 | |
| | Add 1 % Water charges | | | | 701.07 | |
| | TOTAL | | | | 70807.79 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 9948.49 | |
| | Total | | | | 80756.28 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 12113.44 | |
| | Cost for 300 Sqm | | | | 92869.72 | |
| | Cost per Sqm | | | | 309.57 | |
| | Add 1% labour cess | | | | 3.10 | |
| | rate included labour cess | | | | 312.66 | |
| | Say | | | | 312.70 | |
| **26.18.3** | **Ultimate tensile strength- 200 kN/m** | | | | | |
| | MATERIAL | | | | | |
| | Details of Cost for 300 Sqm Synthetic Geogrid | | | | | |
| **8964** | Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect | Sqm | 300.00 | 279.22 | 83765.11 | |
| | including taxes and transportation. 10% of 90000=9000 | | | | 8376.51 | |
| | LABOUR | | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOATL | | | | 94677.82 | |
| | Add 1 % Water charges | | | | 946.78 | |
| | TOTAL | | | | 95624.60 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 13435.26 | |
| | Total | | | | 109059.85 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 16358.98 | |
| | Cost for 300 Sqm | | | | 125418.83 | |
| | Cost per Sqm | | | | 418.06 | |
| | Add 1% labour cess | | | | 4.18 | |
| | rate included labour cess | | | | 422.24 | |
| | Say | | | | 422.20 | |
| **26.18.4** | **Ultimate tensile strength- 250 kN/m** | | | | | |
| | MATERIAL | | | | | |
| | Details of Cost for 300 Sqm | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **8965** | Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation. 10% of 99000=9900 | Sqm | 300.00 | 307.14 | 92141.62<br>9214.16 |
| | LABOUR | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 |
| | TOATL | | | | 103891.98 |
| | Add 1 % Water charges | | | | 1038.92 |
| | TOTAL | | | | 104930.90 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 14742.79 |
| | Total | | | | 119673.69 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 17951.05 |
| | Cost for 300 Sqm | | | | 137624.74 |
| | Cost per Sqm | | | | 458.75 |
| | Add 1% labour cess | | | | 4.59 |
| | rate included labour cess | | | | 463.34 |
| | Say | | | | 463.30 |
| **26.18.5** | **Ultimate tensile strength- 300 kN/m** | | | | |
| | MATERIAL | | | | |
| | Details of Cost for 300 Sqm Synthetic Geogrid | | | | |
| **8966** | Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation. 10% of 105000 =10500 | Sqm | 300.00 | 325.75 | 97725.96<br>9772.60 |
| | LABOUR | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 |
| | TOATL | | | | 110034.75 |
| | Add 1 % Water charges | | | | 1100.35 |
| | TOTAL | | | | 111135.10 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 15614.48 |
| | Total | | | | 126749.58 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 19012.44 |
| | Cost for 300 Sqm | | | | 145762.02 |
| | Cost per Sqm | | | | 485.87 |
| | Add 1% labour cess | | | | 4.86 |
| | rate included labour cess | | | | 490.73 |
| | Say | | | | 490.70 |
| **26.18.6** | **Ultimate tensile strength- 350 kN/m** | | | | |
| | MATERIAL | | | | |
| | Details of Cost for 300 Sqm | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **8967** | Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including | Sqm | 300.00 | 362.98 | 108894.64 | |
| | taxes and transportation. 10% of 117000 '=11700 | | | | | |
| | LABOUR | | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOATL | | | | 111430.84 | |
| | Add 1 % Water charges | | | | 1114.31 | |
| | TOTAL | | | | 112545.15 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 15812.59 | |
| | Total | | | | 128357.74 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 19253.66 | |
| | Cost for 300 Sqm | | | | 147611.40 | |
| | Cost per Sqm | | | | 492.04 | |
| | Add 1% labour cess | | | | 4.92 | |
| | rate included labour cess | | | | 496.96 | |
| | Say | | | | 497.00 | |
| **26.18.7** | **Ultimate tensile strength- 400 kN/m** | | | | | |
| | MATERIAL | | | | | |
| | Details of Cost for 300 Sqm Synthetic Geogrid | | | | | |
| **8968** | Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including | Sqm | 300.00 | 390.90 | 117271.15 | |
| | taxes and transportation. 10% of 126000 '=12600 | | | | 11727.11 | |
| | LABOUR | | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOATL | | | | 131534.46 | |
| | Add 1 % Water charges | | | | 1315.34 | |
| | TOTAL | | | | 132849.81 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 18665.40 | |
| | Total | | | | 151515.21 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 22727.28 | |
| | Cost for 300 Sqm | | | | 174242.49 | |
| | Cost per Sqm | | | | 580.81 | |
| | Add 1% labour cess | | | | 5.81 | |
| | rate included labour cess | | | | 586.62 | |
| | Say | | | | 586.60 | |
| **26.18.8** | **Ultimate tensile strength- 500 kN/m** | | | | | |
| | MATERIAL | | | | | |
| | Details of Cost for 300 Sqm | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **8969** | Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs forjoining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation. 10% of 150000=15000 | Sqm | 300.00 | 465.36 | 139608.51<br>13960.85 | |
| | LABOUR | | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOATL | | | | 156105.56 | |
| | Add 1 % Water charges | | | | 1561.06 | |
| | TOTAL | | | | 157666.62 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 22152.16 | |
| | Total | | | | 179818.78 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 26972.82 | |
| | Cost for 300 Sqm | | | | 206791.59 | |
| | Cost per Sqm | | | | 689.31 | |
| | Add 1% labour cess | | | | 6.89 | |
| | rate included labour cess | | | | 696.20 | |
| | Say | | | | 696.20 | |
| **26.18.9** | **Ultimate tensile strength- 600 kN/m** | | | | | |
| | MATERIAL | | | | | |
| | Details of Cost for 300 Sqm | | | | | |
| **8970** | Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs forjoining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect including taxes and transportation. 10% of 165000 =16500 | Sqm | 300.00 | 511.90 | 153569.36<br>15356.94 | |
| | LABOUR | | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOATL | | | | 171462.50 | |
| | Add 1 % Water charges | | | | 1714.62 | |
| | TOTAL | | | | 173177.12 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 24331.39 | |
| | Total | | | | 197508.51 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 29626.28 | |
| | Cost for 300 Sqm | | | | 227134.78 | |
| | Cost per Sqm | | | | 757.12 | |
| | Add 1% labour cess | | | | 7.57 | |
| | rate included labour cess | | | | 764.69 | |
| | Say | | | | 764.70 | |
| **26.18.10** | **Ultimate tensile strength- 700 kN/m** | | | | | |
| | MATERIAL | | | | | |
| | Details of Cost for 300 Sqm | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **8971** | Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect | Sqm | 300.00 | 604.97 | 181491.06 | |
| | including taxes and transportation. 10% of 195000=19500 | | | | 18149.11 | |
| | LABOUR | | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOATL | | | | 202176.37 | |
| | Add 1 % Water charges | | | | 2021.76 | |
| | TOTAL | | | | 204198.13 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 28689.84 | |
| | Total | | | | 232887.97 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 34933.20 | |
| | Cost for 300 Sqm | | | | 267821.17 | |
| | Cost per Sqm | | | | 892.74 | |
| | Add 1% labour cess | | | | 8.93 | |
| | rate included labour cess | | | | 901.66 | |
| | Say | | | | 901.70 | |
| **26.18.11** | **Ultimate tensile strength- 800 kN/m** | | | | | |
| | MATERIAL | | | | | |
| | Details of Cost for 300 Sqm | | | | | |
| **8972** | Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs for joining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect | Sqm | 300.00 | 658.95 | 197685.65 | |
| | including taxes and transportation. 10% of 212400=21240 | | | | 19768.57 | |
| | LABOUR | | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOTAL | | | | 219990.42 | |
| | Add 1 % Water charges | | | | 2199.90 | |
| | TOTAL | | | | 222190.32 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 31217.74 | |
| | Total | | | | 253408.06 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 38011.21 | |
| | Cost for 300 Sqm | | | | 291419.27 | |
| | Cost per Sqm | | | | 971.40 | |
| | Add 1% labour cess | | | | 9.71 | |
| | rate included labour cess | | | | 981.11 | |
| | Say | | | | 981.10 | |
| **26.18.12** | **Ultimate tensile strength- 900 kN/m** | | | | | |
| | MATERIAL | | | | | |
| | Details of Cost for 300 Sqm | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **8973** | Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs forjoining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect | Sqm | 300.00 | 782.74 | 234821.51 | |
| | including taxes and transportation. 10% of 252300 =25230 | | | | 23482.15 | |
| | LABOUR | | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOATL | | | | 260839.87 | |
| | Add 1 % Water charges | | | | 2608.40 | |
| | TOTAL | | | | 263448.27 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 37014.48 | |
| | Total | | | | 300462.75 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 45069.41 | |
| | Cost for 300 Sqm | | | | 345532.16 | |
| | Cost per Sqm | | | | 1151.77 | |
| | Add 1% labour cess | | | | 11.52 | |
| | rate included labour cess | | | | 1163.29 | |
| | Say | | | | 1163.30 | |
| **26.18.13** | **Ultimate tensile strength- 1000 kN/m** | | | | | |
| | MATERIAL | | | | | |
| | Details of Cost for 300 Sqm | | | | | |
| **8974** | Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs forjoining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect | Sqm | 300.00 | 884.19 | 265256.17 | |
| | including taxes and transportation. 10% of 285000 =28500 | | | | 26525.62 | |
| | LABOUR | | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOTAL | | | | 293402.99 | |
| | Add 1 % Water charges | | | | 2934.03 | |
| | TOTAL | | | | 296337.02 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 41635.35 | |
| | Total | | | | 337972.37 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 50695.86 | |
| | Cost for 300 Sqm | | | | 388668.22 | |
| | Cost per Sqm | | | | 1295.56 | |
| | Add 1% labour cess | | | | 12.96 | |
| | rate included labour cess | | | | 1308.52 | |
| | Say | | | | 1308.50 | |
| **26.18.14** | **Ultimate tensile strength- 1100 kN/m** | | | | | |
| | **MATERIAL** | | | | | |
| | **Details of Cost for 300 Sqm** | | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **8975** | Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wsatage and accessories like tie-strips, nuts and bolts and loops/lugs forjoining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect | Sqm | 300.00 | 930.72 | 279217.02 | |
| | **including taxes and transportation.=10% of 279217.02** | | | | 27921.70 | |
| | LABOUR | | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOTAL | | | | 309674.92 | |
| | Add 1 % Water charges | | | | 3096.75 | |
| | TOTAL | | | | 312771.67 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 43944.42 | |
| | Total | | | | 356716.09 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 53507.41 | |
| | Cost for 300 Sqm | | | | 410223.51 | |
| | Cost per Sqm | | | | 1367.41 | |
| | Add 1% labour cess | | | | 13.67 | |
| | rate included labour cess | | | | 1381.09 | |
| | Say | | | | 1381.10 | |
| **26.18.15** | **Ultimate tensile strength- 1200 kN/m** | | | | | |
| | **MATERIAL** | | | | | |
| | **Details of Cost for 300 Sqm** | | | | | |
| **8976** | Synthetic Geogrid Add 10 per cent of the cost of reinforcing elements (synthetic geogrids) for wastage and accessories like tie-strips, nuts and bolts and loops/lugs forjoining reinforcing elements with the facia pannels, overlaps and other protective elements for synthetic geogrids and all other activities required to complete the item in all respect | Sqm | 300.00 | 1012.63 | 303788.12 | |
| | **including taxes and transportation.=10% of 303788.12** | | | | 30378.81 | |
| | LABOUR | | | | | |
| **0128** | Mate | day | 0.36 | 270.00 | 97.20 | |
| **0114** | Beldar | day | 6.00 | 254.00 | 1524.00 | |
| **0139** | Skilled Beldar | day | 3.00 | 305.00 | 915.00 | |
| | TOTAL | | | | 336703.13 | |
| | Add 1 % Water charges | | | | 3367.03 | |
| | TOTAL | | | | 340070.16 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 47779.86 | |
| | Total | | | | 387850.02 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 58177.50 | |
| | Cost for 300 Sqm | | | | 446027.52 | |
| | Cost per Sqm | | | | 1486.76 | |
| | Add 1% labour cess | | | | 14.87 | |
| | rate included labour cess | | | | 1501.63 | |
| | Say | | | | 1501.60 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **26.19** | **Providing at all heights, levels and locations Aluminium profile industrial troughed sheet of Alloy 31500/31000/40800, conforming to IS 1254, IS 737, IS 2676. The sheet shall be fixed using self drilling/self tapping SS screws of size 5.5x65 mm with EPDM seal complete upto required pitch in horizontal, vertical or curved surfaces i/c cutting to size and shape where required as per specifications, detail drawings and direction of Engineer-in-Charge. The rate shall be inclusive of all screws, seal, ridge, labour, scaffolding, machinery for fixing and approved sealent where required etc. but excluding the cost of purlins, rafters and trusses.** | | | | |
| **26.19.1** | **0.71 mm thick, the profile detail width 1044/920 mm, cover width 1000/875 mm.** | | | | |
| | Details of cost for 216.14 sqm<br>Consider a shed of 20x10 metres. (External dimensions of plinth). Area of roof- 20.20x10.70m = 216.14 sqm. | | | | |
| | MATERIAL:<br>Sheets used = 20 Nosx10.70mx1.044m =223.42 sqm, Add 3% wastage = 6.70 sqm, Total = 230.12sqm | | | | |
| **8977** | Aluminium profile sheet 0.71 mm | sqm | 230.12 | 530.51 | 122081.50 |
| **9999** | Carriage of sheets | L.S. | 104.00 | 1.80 | 187.20 |
| **1023** | Galvanised steel J or L hooks 8 mm dia | 10 Nos | 47.60 | 107.03 | 5094.78 |
| **1208** | Bitumen washer | 100 Nos | 4.76 | 27.92 | 132.91 |
| **1209** | G.I. plain washer thick | 100 Nos | 4.76 | 32.58 | 155.06 |
| **9999** | Carriage of bolts and nuts, washers etc. | L.S. | 8.06 | 1.80 | 14.51 |
| **9999** | Sundries | L.S. | 39.52 | 1.80 | 71.14 |
| | LABOUR: | | | | |
| **0130** | Mistry | day | 2.34 | 254.00 | 594.36 |
| **0112** | Carpenter 2nd class | day | 9.34 | 305.00 | 2848.70 |
| **0114** | Beldar | day | 9.34 | 254.00 | 2372.36 |
| | Total | | | | 133552.51 |
| | Add 1 % Water charges | | | | 1335.53 |
| | TOTAL | | | | 134888.03 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 18951.77 |
| | Total | | | | 153839.80 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 23075.97 |
| | Cost of 216.14 sqm | | | | 176915.77 |
| | Cost of 1 sqm | | | | 818.52 |
| | Add 1% labour cess | | | | 8.19 |
| | rate included labour cess | | | | 826.71 |
| | Say | | | | 826.70 |
| **26.19.2** | **0.91 mm thick, the profile detail width 1044/920 mm, cover width 1000/875 mm.** | | | | |
| | Details of cost for 216.14 sqm<br>Consider a shed of 20x10 metres. (External dimensions of plinth). Area of roof- 20.05x10.70m = 216.14 sqm | | | | |
| | MATERIAL:<br>Sheets used = 20 Nosx10.70mx1.044m = 223.42 sqm, Add 3% wastage = 6.70 sqm, Total = 230.12sqm | | | | |
| **8978** | Aluminium profile sheet 0.91 mm | sqm | 230.12 | 685.01 | 157635.06 |
| **9999** | Carriage of sheets | L.S. | 104.00 | 1.80 | 187.20 |
| **1023** | Galvanised steel J or L hooks 8 mm dia | 10 Nos | 47.60 | 107.03 | 5094.78 |
| **1208** | Bitumen washer | 100 Nos | 4.76 | 27.92 | 132.91 |
| **1209** | G.I. plain washer thick | 100 Nos | 4.76 | 32.58 | 155.06 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **9999** | Carriage of bolts and nuts, washers etc. | L.S. | 8.06 | 1.80 | 14.51 |
| **9999** | Sundries | L.S. | 39.52 | 1.80 | 71.14 |
| | LABOUR: | | | | |
| **0130** | Mistry | day | 2.34 | 254.00 | 594.36 |
| **0112** | Carpenter 2nd class | day | 9.34 | 305.00 | 2848.70 |
| **0114** | Beldar | day | 9.34 | 254.00 | 2372.36 |
| | Total | | | | 169106.07 |
| | Add 1 % Water charges | | | | 1691.06 |
| | TOTAL | | | | 170797.13 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 23997.00 |
| | Total | | | | 194794.13 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 29219.12 |
| | Cost of 216.14 sqm | | | | 224013.25 |
| | Cost of 1 sqm | | | | 1036.43 |
| | Add 1% labour cess | | | | 10.36 |
| | rate included labour cess | | | | 1046.79 |
| | Say | | | | 1046.80 |

**26.20** **Providing round the clock security guard without gun for watch & ward of Government premises and its all belongings by deploying neatly dressed security guards in 8 hour's shift including necessary T&P like torch, lathi and uniform etc.complete,as per the direction of Engineer-in-charge.(One job means 8 hour's duty).**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for 1 job (8hour's duty ) | | | | |
| **0164** | Security guard (without gun) | day | 1.00 | 392.00 | 407.00 |
| **9999** | Lathi,torch,dress & other sundries | L.S. | 10.00 | 1.80 | 17.30 |
| | TOTAL | | | | 424.30 |
| | Add Contractor's profit and overheads @ 15% | | | | 63.65 |
| | Cost of 1 job | | | | 487.95 |
| | Add 1% labour cess | | | | 4.88 |
| | rate included labour cess | | | | 492.83 |
| | Say | | | | 492.80 |

**26.21** **Providing round the clock security guard with gun for watch & ward of Government premises and its all belongings by deploying neatly dressed security guards in 8 hour's shift including necessary T&P like torch, lathi and uniform etc.complete, as per the direction of Engineer-in-charge.(One job means 8 hour's duty).**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for 1 job (8hour's duty) | | | | |
| **0165** | Security guard (with gun | day | 1.00 | 430.00 | 430.00 |
| **9999** | Lathi,torch,uniform,wooden stick & other | | | | |
| | miscellaneous items | L.S. | 10.00 | 1.80 | 18.00 |
| | TOTAL | | | | 448.00 |
| | Add Contractor's profit and overheads @ 15% Cost of 1 job | | | | 67.20 |
| | Cost of 1 job | | | | 515.20 |
| | Add 1% labour cess | | | | 5.15 |
| | rate included labour cess | | | | 520.35 |
| | Say | | | | 520.40 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **26.22** | **Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991,in true horizontal level suspended on inter- locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main- T runners of size 24x38 mm of length 3000 mm, cross - T of size 24x32 mm of length 1200 mm and secondary intermediate cross-T of size 24x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.** | | | | |
| **26.22.1** | **With 15 mm thick tegular edged light weight calcium silicate false ceiling tiles.** | | | | |
| | Details of cost for 100 sqm | | | | |
| | MATERIAL | | | | |
| **8589** | Calcium Silicate tegular edged celling tiles 595x595 mm and 15 mm thick Celling Area = 100 sqm + Add 5% wastage = 5 sqm Total = 105 sqm | sqm | 105.00 | 800.42 | 84044.32 |
| **8590** | Galvanised iron main Tee ceiling section Size 24x38x0.33 mm (3 metre long) including wastage @10% | each | 29.50 | 105.17 | 3102.57 |
| **8591** | Galvanised iron perimeter wall Angle Size 24 x 24 x0.40 mm (3.00 metre long) including wastage @10% | each | 13.50 | 58.64 | 791.58 |
| **8592** | Galvanised iron intermediate cross T section Size 24 x 32 x 0.33 mm (1.2 metre long) including wastage @10% | each | 147.00 | 35.37 | 5199.02 |
| **8593** | Galvanised iron intermediate cross T section Size 24 x 32 x 0.33 mm ( 0.6 metre long) including wastage @10% | each | 147.00 | 17.68 | 2599.51 |
| **8588** | Galavanised MS hanger rod 6 mm dia MS fully threaded up to 1000 mm length | each | 72.00 | 23.27 | 1675.30 |
| **8619** | Galavanised MS L-shape level adjuster of size 85x25x2 mm | each | 72.00 | 14.00 | 1008.00 |
| **8596** | Galavanised MS 8 mm outer diameter M-6 dash fastener 50mm long | each | 72.00 | 13.03 | 938.17 |
| **8211** | 40 mm long S.S screws with plastic rawl plugs | 100 nos | 1.00 | 193.59 | 193.59 |
| **9999** | Scaffolding etc. | L.S. | 498.65 | 1.80 | 897.57 |
| **9977** | Carriage of materials etc. | L.S. | 237.48 | 1.80 | 427.90 |
| **9999** | Sundries | L.S. | 310.70 | 1.80 | 559.26 |
| | LABOUR | | | | 0.00 |
| **0111** | Carpenter 1st class | day | 28.00 | 342.00 | 9576.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| 0114 | Beldar | day | 23.00 | 254.00 | 5842.00 |
| | TOTAL | | | | 116854.79 |
| | Add 1 % Water charges | | | | 1168.55 |
| | TOTAL | | | | 118023.34 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 16582.28 |
| | Total | | | | 134605.62 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 20190.84 |
| | Cost of 100 sqm. | | | | 154796.46 |
| | Cost of 1 sqm. | | | | 1547.96 |
| | Add 1% labour cess | | | | 15.48 |
| | rate included labour cess | | | | 1563.44 |
| | Say | | | | 1563.40 |
| **26.23** | **Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991, in true horizontal level suspended on inter- locking metal powder coated T-Grid of hot dipped galvanised iron section of 0.40 mm thick on Silhouette profile,rotary stiched double webbed white with 6 mm reveal profile (white/black),comprising of main-T runners of size 15x42 mm of length 3000 mm, cross - T of size 15x42 mm of length 1200 mm and secondary intermediate cross-T of size 15x42 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 22x19x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in- Charge.** | | | | |
| **26.23.1** | **With 15 mm thick integral densified micro edge light weight calcium silicate false ceiling tiles** | | | | |
| | Details of cost for 100 sqm | | | | |
| | MATERIAL | | | | |
| **8563** | 15 mm thick, light weight, integral densified microlook edged,false ceiling tiles of size 595x595 mm. Ceiling Area = 100 sqm + Add 5% wastage = 5 sqm Total = 105 sqm | sqm | 105.00 | 837.65 | 87953.36 |
| | SILHOUETTE Profile grid frame : | | | | |
| **8567** | Galvanized mild steel perimeter wall angle 22x19x040 mm (3000 mm long) including wastage @10% | each | 13.50 | 102.38 | 1382.12 |
| **8566** | Powder coated steel section main-T ceiling sections 15x42x0.40 mm (3000 mm long) including wastage @10% | each | 29.50 | 209.41 | 6177.68 |
| **8568** | Powder coated Galvanised Iron intermediate cross-T section 15x42x0.40 mm (1200 mm long) including wastage @10% | each | 147.00 | 83.77 | 12313.47 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **8569** | Powder coated Galvanized Iron intermediate cross-T section 15x42x0.40mm (600 mm long ) including wastage @10% | each | 147.00 | 41.88 | 6156.74 |
| **8588** | Galavanised MS hanger rod 6 mm dia MS fully threaded up to 1000 mm length | each | 72.00 | 23.27 | 1675.30 |
| **8619** | Galavanised MS L-shape level adjuster of size 85x25x2 mm | each | 72.00 | 13.03 | 938.17 |
| **8515** | Galavanised MS 8 mm outer diameter M-6 dash fastener 50mm long | each | 72.00 | 0.93 | 67.01 |
| **8211** | 40 mm long S.S screws with plastic rawl plugs | 100 nos | 1.00 | 193.59 | 193.59 |
| **9999** | Scaffolding etc. | L.S. | 498.65 | 1.80 | 897.57 |
| **9977** | Carriage of materials etc. | L.S. | 237.48 | 1.80 | 427.90 |
| **9999** | Sundries | L.S. | 310.70 | 1.80 | 559.26 |
| | LABOUR | | | | |
| **0111** | Carpenter 1st class | day | 28.00 | 342.00 | 9576.00 |
| **0114** | Beldar | day | 23.00 | 254.00 | 5842.00 |
| | TOTAL | | | | 134160.17 |
| | Add 1 % Water charges | | | | 1341.60 |
| | TOTAL | | | | 135501.77 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 19038.00 |
| | Total | | | | 154539.77 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 23180.97 |
| | Cost of 100 sqm. | | | | 177720.74 |
| | Cost of 1 sqm | | | | 1777.21 |
| | Add 1% labour cess | | | | 17.77 |
| | rate included labour cess | | | | 1794.98 |
| | Say | | | | 1795.00 |

**26.24** **Providing and fixing in position wall panelling at all heights with integral densified calcium silicate panels/tiles of size 595 x 595mm, having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991, comprising of a frame made from especially fabricated galvanised mild steel sheet 0.50 mm thick pressed section (galvanizing @120 grams per sqm including both sides) i.e.vertical studs of size 48 x 34 x 36 mm are placed at 600mm center to center in a floor and ceiling channel section of size 50 x 32m fixed to the floor and soffit at 600mm centers using 12mm dia,50mm long wedge type expanded zinc alloy dash fastner with 10mm bolt. This same channel is then to be fixed in horiziontal direction at 600mm center to center so as to form a grid of 600mm x 600mm. Glasswool of 50mm thickness is then to be inserted in the slots and finally calcium silicate non combustible panels/tiles are to be screw fixed with self tapping pan head nickel coated mild steel screws of size 13 x 3.2mm on to this grid leaving an even groove of 1 mm between the panels. The joints between the panels are to be duly jointed and finished using recommended jointing calcium silicate based compound and fiber joint tape roll 50mm wide (90 metre )roll and two coats of primer suitable for panelling as per manufacturer's specification as per direction of Engineer-in-Charge all complete.**

**26.24.1** **15 mm thick fully With perforated square/butt edge light weight calcium silicate panels/ tiles**

Details of cost for 6.00 x 3.65=21.90 sqm
MATERIAL

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **8564** | 15 mm thick, light weight,fully perforated square/butt edge integral densified,false ceiling tiles of size 595x595 mm. 21.90 sqm + 1.10 sqm (Add 5% wastage) Total = 23.00 sqm | sqm | 23.00 | 805.08 | 18516.74 |
| **7367** | Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm 2 x 6.00 m=12m +0.60 (Add5% wastage ) = 12.60 m | metre | 12.60 | 55.84 | 703.63 |
| **7369** | Galvanised M.S. sheet 0.50 mm thick pressed stud : 48x34x36 mm 11 x 3.65 m = 40.15 m + 5 x 6.00 = 30.00 m Total= 70.15 m +3.51 ( Add 5% wastage ) Total = 73.66m | metre | 73.66 | 69.80 | 5141.78 |
| **7025** | Self tapping pan head nickle coated mild steel screws of size 13 x 3.2 mm | 1000 Nos | 0.39 | 511.90 | 200.66 |
| **7383** | 12 mm dia 50 mm long wedge type expanded zinc alloy dash fastner | each | 19.00 | 6.52 | 123.79 |
| **7274** | Glass wool 50 mm thick 21.90 +1.10 (Add 5% wastage)= 23.00 sqm | sqm | 23.00 | 232.68 | 5351.66 |
| **0764** | Calcium silicate base compound for jointing calciumsilicate tiles 22.81/103.68 x 21.9 = 4.82 kgs | kg | 4.82 | 23.27 | 112.15 |
| **7026** | Fibre joint tape 50 mm wide (90 metre) roll 1.27/103.68 x 21.90 = 0.27 roll | each roll | 0.27 | 158.22 | 42.72 |
| **9999** | Sundries such as scaffolding, tools, bits, etc. | L.S. | 130.00 | 1.80 | 234.00 |
| **9977** | Carriage of materials etc. | L.S. | 52.00 | 1.80 | 93.60 |
| | LABOUR | | | | |
| **0111** | Carpenter 1st class 0.30x21.90=6.57 days | day | 6.57 | 342.00 | 2246.94 |
| **0112** | Carpenter 2nd class 0.13x21.90=2.847 days | day | 2.85 | 305.00 | 868.34 |
| **0114** | Beldar 0.35x21.90=7.665 days | day | 7.67 | 254.00 | 1946.91 |
| **0131** | Painter | day | 1.10 | 323.00 | 353.69 |
| | TOTAL | | | | 35936.60 |
| | Add 1 % Water charges | | | | 359.37 |
| | TOTAL | | | | 36295.97 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 5099.58 |
| | Total | | | | 41395.55 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 6209.33 |
| | Cost of 21.90 sqm. | | | | 47604.89 |
| | Cost of 1 sqm. | | | | 2173.74 |
| | Add 1% labour cess | | | | 21.74 |
| | rate included labour cess | | | | 2195.48 |
| | Say | | | | 2195.50 |
| **26.25** | **Providing and fixing 15 mm thick false ceiling tiles at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991,in true horizontal level on the existing frame work consisting of T-sections and Lsections suitably fixed according to tile size as per direction of Engineer-in-charge.** | | | | |
| | Details of cost for 10 Sqm | | | | |
| | MATERIAL | | | | |
| **8589** | Calcium Silicate tegular edged celling tiles 595x595 mm and 15 mm thick 10 + 0.5 (Add wastage @5%) = 10.5 sqm | sqm | 10.50 | 800.42 | 8404.43 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **9977** | Carriage | L.S. | 14.95 | 1.80 | 26.91 |
| | LABOUR | | | | |
| **0111** | Carpenter 1st class | day | 2.50 | 342.00 | 855.00 |
| **0114** | Beldar | day | 2.00 | 254.00 | 508.00 |
| **9999** | Scaffolding | L.S. | 31.07 | 1.80 | 55.93 |
| **9999** | Sundries | L.S. | 31.07 | 1.80 | 55.93 |
| | TOTAL | | | | 9906.19 |
| | Add 1 % Water charges | | | | 99.06 |
| | TOTAL | | | | 10005.26 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 1405.74 |
| | Total | | | | 11410.99 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1711.65 |
| | Cost of 10 sqm | | | | 13122.64 |
| | Cost of 1 sqm | | | | 1312.26 |
| | Add 1% labour cess | | | | 13.12 |
| | rate included labour cess | | | | 1325.39 |
| | Say | | | | 1325.40 |

**26.26** **Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part 4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on inter-locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing '@ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall wood screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.**

**26.26.1** **With semi perforated 12 mm thick micro tegular edged GRG false ceiling tiles.**

Details of cost for 100 sqm

MATERIAL
Celling area =100 sqm Add wastage @ 5% = 5 sqm
Total=105.00 sqm

| | | | | | |
|---|---|---|---|---|---|
| **8581** | 12 mm thick micro tegular edged semi perforated GFRG (Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm | sqm | 105.00 | 580.77 | 60981.00 |
| **8555** | Galvanized iron main-T ceiling sections 15x32x0.33 mm (3000 mm long) Including wastage @ 10% | each | 29.50 | 164.74 | 4859.77 |
| **8591** | Galvanized iron perimeter wall angle 24x24x0.40 mm (3000 mm long) Including wastage @ 10% | each | 13.50 | 58.64 | 791.58 |
| **8556** | Galvanized iron intermediate cross- T section 15x32x0.33 mm (1200 mm long) Including wastage @ 10% | each | 147.00 | 67.94 | 9987.59 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **8587** | Galvanized iron intermediate cross-T section 15x32x0.33 mm (600 mm long) Including wastage @ 10% | each | 147.00 | 31.64 | 4651.76 |
| **8588** | Galavanised MS hanger rod 6mm dia MS fully threadedup to 1000 mm length | each | 72.00 | 23.27 | 1675.30 |
| **8619** | Galavanised MS L-shape level adjuster of size 85x25x2 mm | each | 72.00 | 13.03 | 938.17 |
| **8596** | Galvanised MS 8mm outer diameter M-6 dash fastener 25mm long | each | 72.00 | 28.85 | 2077.37 |
| **8211** | 40mm SS with plastic rawl plugs | 100 nos | 1.00 | 193.59 | 193.59 |
| **9999** | Scaffolding etc. | L.S. | 498.65 | 1.80 | 897.57 |
| **9977** | Carriage of materials etc. | L.S. | 237.48 | 1.80 | 427.46 |
| **9999** | Sundries | L.S. | 310.70 | 1.80 | 559.26 |
| | LABOUR | | | | |
| **0111** | Carpenter 1st class | day | 28.00 | 342.00 | 9576.00 |
| **0114** | Beldar | day | 23.00 | 254.00 | 5842.00 |
| | TOTAL | | | | 103458.43 |
| | Add 1 % Water charges | | | | 1034.58 |
| | TOTAL | | | | 104493.01 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 14681.27 |
| | Total | | | | 119174.28 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 17876.14 |
| | Cost of 100 sqm | | | | 137050.42 |
| | Cost of 1 sqm | | | | 1370.50 |
| | Add 1% labour cess | | | | 13.71 |
| | rate included labour cess | | | | 1384.21 |
| | Say | | | | 1384.20 |
| **26.26.2** | **With fully perforated 12 mm thick micro tegular edged or 10 mm thick square edged GRG false ceiling tiles.** | | | | |
| | **Details of cost for 100 sqm** | | | | |
| | **MATERIAL** | | | | |
| | **Celling area =100 sqm Add wastage @ 5% = 5 sqm Total=105.00 sqm** | | | | |
| **8582** | 12 mm thick micro tegular edged fully perforated GFRG (Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm | sqm | 105.00 | 657.09 | 68994.53 |
| **8555** | Galvanized iron main-T ceiling sections 15x32x0.33mm (3000 mm long) Including wastage @ 10% | each | 29.50 | 164.74 | 4859.77 |
| **8591** | Galvanized iron perimeter wall angle 24x24x0.40 mm (3000 mm long) Including wastage @ 10% | each | 13.50 | 58.64 | 791.58 |
| **8556** | Galvanized iron intermediate cross-T section 15x32x0.33 mm (1200 mm long) Including wastage @ 10% | each | 147.00 | 67.94 | 9987.59 |
| **8587** | Galvanized iron intermediate cross-T section 15x32x0.33 mm (600 mm long) Including wastage @ 10% | each | 147.00 | 31.64 | 4651.76 |
| **8588** | Galavanised MS hanger rod 6mm dia MS fully threadedup to 1000 mm length | each | 72.00 | 23.27 | 1675.30 |
| **8619** | Galavanised MS L-shape level adjuster of size 85x25x2 mm | each | 72.00 | 13.03 | 938.17 |
| **8596** | Galvanised MS 8mm outer diameter M-6 dash fastener 25mm long | each | 72.00 | 28.85 | 2077.37 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **8211** | 40mm long SS screws with plastic rawl plugs | 100 nos | 1.00 | 193.59 | 193.59 |
| **9999** | Scaffolding etc. | L.S. | 498.65 | 1.80 | 897.57 |
| **9977** | Carriage of materials etc. | L.S. | 237.48 | 1.80 | 427.90 |
| **9999** | Sundries | L.S. | 310.70 | 1.80 | 559.26 |
| | LABOUR | | | | |
| **0111** | Carpenter 1st class | day | 28.00 | 342.00 | 9576.00 |
| **0114** | Beldar | day | 23.00 | 254.00 | 5842.00 |
| | TOTAL | | | | 111472.39 |
| | Add 1 % Water charges | | | | 1114.72 |
| | TOTAL | | | | 112587.12 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 15818.49 |
| | Total | | | | 128405.61 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 19260.84 |
| | Cost of 100 sqm | | | | 147666.45 |
| | Cost of 1 sqm | | | | 1476.66 |
| | Add 1% labour cess | | | | 14.77 |
| | rate included labour cess | | | | 1491.43 |
| | Say | | | | 1491.40 |

**26.27** **Providing and fixing mineral fibre false ceiling tiles at all heights of size 595X595mm of approved texture, design and pattern. The tiles should have Humidity Resistance (RH) of 99%, Light Reflectance ?85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Fire Performance as per (BS 476 pt - 6 &7)in true horizontal level suspended on interlocking T-Grid of hot dipped all round galvanized iron section of 0.33 mm thick (galvanized @120 gsm ) comprising of main T runners of 15x32 mm of length 3000 mm, cross T of size 15x32mm of length 1200 mm and secondary intermediate cross T of size 15x32 mm of length 600 mm to form grid module of size 600x600 mm suspended from ceiling using galvanized mild steel item (galvanised@80gsm) 50 mm long 8mm outer diameter M-6 dash fasteners, 6 mm diameter fully threaded hanger rod up to 1000 mm length and L-shape level adjuster of size 85x25x2 mm, spaced at 1200 mm centre to centre along main 'T'. The system should rest on periphery walls /partitions with the help of GI perimeter wall angle of size24x24X3000 mm made of 0.40 mm thick sheet, to be fixed to the wall with help of plastic rawl plug at 450 mm centre to centre & 40 mm long dry wall S.S. screws. The exposed bottom portion of all T-sections used in false ceiling support system shall be pre-painted with polyester baked paint, for all heights. The work shall be carried out as per specifications, drawings and as per directions of the engineer-in-charge.**

**26.27.1** **With 16 mm thick beveled tegular mineral fibre false ceiling tile (NRC 0.55 to 0.6)**

Details of cost for 100 Sqm MATERIAL

| | | | | | |
|---|---|---|---|---|---|
| **8552** | Mineral fibre beveled tegular edged ceiling tiles 595x595 mm, 16 mm thick Area = 100 sqm + 5 sqm (Add for wastage '@5%) Total = 105 sqm | sqm | 105.00 | 731.55 | 76812.60 |
| **8555** | G.I. main runner 15X32mm of 3000 mm length, 0.33mm thick including 10 % wastage | each | 29.50 | 164.74 | 4859.77 |
| **8556** | G.I. cross Tee 15X32mm of 1200mm length 0.33mm thick including 10 % wastage | each | 147.00 | 67.94 | 9987.59 |
| **8557** | G.I. cross Tee 15X32mm of 600mm length,0.33 mm thick including 10 % wastage | each | 147.00 | 31.64 | 4651.76 |
| **8591** | Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long) including 10 % wastage | each | 13.50 | 58.64 | 791.58 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **8558** | Galvanised Iron hanger rod 6mm dia fully threaded upto 1000mm length | each | 72.00 | 23.27 | 1675.30 |
| **8619** | Galavanised MS L-shape level adjuster of size 85x25x2 mm | each | 72.00 | 13.03 | 938.17 |
| **8515** | Galavanised MS 8 mm outer diameter M-6 dash fastener 50mm long | each | 72.00 | 0.93 | 67.01 |
| **8211** | 40 mm long S.S screws with plastic rawl plugs | 100 nos | 1.00 | 193.59 | 193.59 |
| **9999** | Sundries i.e. scaffolding etc | L.S. | 187.95 | 1.80 | 338.31 |
| **9977** | Carriage of material etc. | L.S. | 89.35 | 1.80 | 160.99 |
| | LABOUR | | | | 0.00 |
| **0111** | Carpenter 1st class | day | 28.00 | 342.00 | 9576.00 |
| **0114** | Beldar | day | 23.00 | 254.00 | 5842.00 |
| | TOTAL | | | | 115894.68 |
| | Add 1 % Water charges | | | | 1158.95 |
| | TOTAL | | | | 117053.63 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 16446.03 |
| | Total | | | | 133499.66 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 20024.95 |
| | Cost of 100 sqm | | | | 153524.61 |
| | Cost of 1 sqm | | | | 1535.25 |
| | Add 1% labour cess | | | | 15.35 |
| | rate included labour cess | | | | 1550.60 |
| | Say | | | | 1550.60 |
| **26.27.2** | **With 20 mm thick beveled tegular mineral fibre false ceiling tile (NRC 0.7)** | | | | |
| | Details of cost for 100 Sqm | | | | |
| | MATERIAL | | | | |
| **8554** | Mineral fibre beveled tegular edged ceiling tiles 595x595mm, 20 mm thick Area = 100 sqm + 5 sqm (Add for wastage @5%) Total = 105 sqm | sqm | 105.00 | 921.42 | 96748.70 |
| **8555** | G.I. main runner 15X32mm of 3000 mm length, 0.33mm thick including 10 % wastage | each | 29.50 | 164.74 | 4859.77 |
| **8556** | G.I. cross Tee 15X32mm of 1200mm length 0.33mm thick including 10 % wastage | each | 147.00 | 67.94 | 9987.59 |
| **8587** | G.I. cross Tee 15X32mm of 600mm length, 0.33 mm thick including 10 % wastage | each | 147.00 | 31.64 | 4651.76 |
| **8591** | Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long) including 10 % wastage | each | 13.50 | 58.64 | 791.58 |
| **8558** | Galvanised Iron hanger rod 6mm dia fully threaded upto 1000mm length | each | 72.00 | 23.27 | 1675.30 |
| **8619** | Galavanised MS L-shape level adjuster of size 85x25x2 mm | each | 72.00 | 13.03 | 938.17 |
| **8596** | Galavanised MS 8 mm outer diameter M-6 dash fastener 50mm long | each | 72.00 | 28.85 | 2077.37 |
| **8211** | 40 mm long S.S screws with plastic rawl plugs | 100 nos | 1.00 | 193.59 | 193.59 |
| **9999** | Sundries i.e. scaffolding etc | L.S. | 187.95 | 1.80 | 338.31 |
| **9977** | Carriage of material etc. | L.S. | 89.35 | 1.80 | 160.99 |
| | LABOUR | | | | |
| **0111** | Carpenter 1st class | day | 28.00 | 342.00 | 9576.00 |
| **0114** | Beldar | day | 23.00 | 254.00 | 5842.00 |
| | TOTAL | | | | 137841.14 |
| | Add 1 % Water charges | | | | 1378.41 |
| | TOTAL | | | | 139219.55 (X) |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 19560.35 |
| | Total | | | | 158779.90 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 23816.98 |
| | Cost of 100 sqm | | | | 182596.88 |
| | Cost of 1 sqm | | | | 1825.97 |
| | Add 1% labour cess | | | | 18.26 |
| | rate included labour cess | | | | 1844.23 |
| | Say | | | | 1844.20 |
| **26.27.3** | **With 16 mm thick beveled tegular mineral fibre Anti-microbial false ceiling tile confirming to ISO 5 (class 100 ) specifications** | | | | |
| | Details of cost for 100 Sqm | | | | |
| | MATERIAL | | | | |
| **8553** | Mineral fibre beveled tegular edged ceiling tiles 595x595 mm, 16 mm thick with bioblock, confirming to ISO 5(class 100) specifications Area = 100 sqm + 5 sqm (Add for wastage @5%) Total = 105 sqm | sqm | 105.00 | 797.63 | 83751.15 |
| **8555** | G.I. main runner 15X32mm of 3000 mm length, 0.33mm thick including 10 % wastage | each | 29.50 | 164.74 | 4859.77 |
| **8556** | G.I. cross Tee 15X32mm of 1200mm length 0.33mm thick including 10 % wastage | each | 147.00 | 67.94 | 9987.59 |
| **8557** | G.I. cross Tee 15X32mm of 600mm length, 0.33 mm thick including 10 % wastage | each | 147.00 | 31.64 | 4651.76 |
| **8591** | Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long) including 10 % wastage | each | 13.50 | 58.64 | 791.58 |
| **8558** | Galvanised Iron hanger rod 6mm dia fully threaded upto 1000mm length | each | 72.00 | 23.27 | 1675.30 |
| **8619** | Galavanised MS L-shape level adjuster of size 85x25x2 mm | each | 72.00 | 13.03 | 938.17 |
| **8596** | Galavanised MS 8 mm outer diameter M-6 dash fastener 50mm long | each | 72.00 | 28.85 | 2077.37 |
| **8211** | 40 mm long S.S screws with plastic rawl plugs | 100 nos | 1.00 | 193.59 | 193.59 |
| **9999** | Sundries i.e. scaffolding etc | L.S. | 187.95 | 1.80 | 338.31 |
| **9977** | Carriage of material etc. | L.S. | 89.35 | 1.80 | 160.99 |
| | LABOUR | | | | |
| **0111** | Carpenter 1st class | day | 28.00 | 342.00 | 9576.00 |
| **0114** | Beldar | day | 23.00 | 254.00 | 5842.00 |
| | TOTAL | | | | 124843.59 |
| | Add 1 % Water charges | | | | 1248.44 |
| | TOTAL | | | | 126092.02 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 17715.93 |
| | Total | | | | 143807.95 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 21571.19 |
| | Cost of 100 sqm | | | | 165379.14 |
| | Cost of 1 sqm | | | | 1653.79 |
| | Add 1% labour cess | | | | 16.54 |
| | rate included labour cess | | | | 1670.33 |
| | Say | | | | 1670.30 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **26.28** | **Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge** | | | | |
| **26.28.1** | **75mm average thickness** | | | | |
| | Details of cost for One Sqm 75mm average thicknessfor beams | | | | |
| **9999** | MACHINERY | | | | |
| | Hire charges for HILTY-TE 504 Pneumatic Chisel | L.S. | 5.60 | 1.80 | 10.08 |
| | LABOUR | | | | |
| **0157** | Machine Operator | day | 0.20 | 430.00 | 86.00 |
| **0114** | Beldar | day | 0.10 | 254.00 | 25.40 |
| | TOTAL | | | | 121.48 |
| | Add 1 % Water charges | | | | 1.21 |
| | TOTAL | | | | 122.69 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 17.24 |
| | Total | | | | 139.93 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 20.99 |
| | Cost of 1.0 sqm | | | | 160.92 |
| | Add 1% labour cess | | | | 1.61 |
| | rate included labour cess | | | | 162.53 |
| | Say | | | | 162.50 |
| **26.28.2** | **50mm average thickness** | | | | |
| | Details of cost for One Sqm 50mm average thickness for beams | | | | |
| | MACHINERY | | | | |
| **9999** | Hire charges for HILTY-TE 504 Pneumatic Chisel | L.S. | 3.74 | 1.80 | 6.73 |
| | LABOUR | | | | 0.00 |
| **0157** | Machine Operator | day | 0.13 | 430.00 | 55.90 |
| **0114** | Beldar | day | 0.07 | 254.00 | 17.78 |
| | TOTAL | | | | 80.41 |
| | Add 1 % Water charges | | | | 0.80 |
| | TOTAL | | | | 81.22 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 11.41 |
| | Total | | | | 92.63 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 13.89 |
| | Cost of 1.0 sqm | | | | 106.52 |
| | Add 1% labour cess | | | | 1.07 |
| | rate included labour cess | | | | 107.59 |
| | Say | | | | 107.60 |
| **26.28.3** | **25 mm average thickness** | | | | |
| | Details of cost for One Sqm 25mm average thickness for beams | | | | |
| | MACHINERY | | | | |
| **9999** | Hire charges for HILTY-TE 504 Pneumatic Chisel | L.S. | 1.87 | 1.80 | 3.37 |
| | LABOUR | | | | |
| **0157** | Machine Operator | day | 0.07 | 430.00 | 30.10 |
| **0114** | Beldar | day | 0.03 | 254.00 | 7.62 |
| | TOTAL | | | | 41.09 |
| | Add 1 % Water charges | | | | 0.41 |
| | TOTAL | | | | 41.50 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 5.83 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Total | | | | 47.33 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 7.10 |
| | Cost of 1.0 sqm | | | | 54.43 |
| | Add 1% labour cess | | | | 0.54 |
| | rate included labour cess | | | | 54.97 |
| | Say | | | | 55.00 |
| **26.29** | **Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge.** | | | | |
| **26.29.1** | **Bars upto 12 mm diameter** | | | | |
| | Detail of cost for 3.00 sqm (95.54 meter length of 10 mm dia bar) Bars upto 12 mm diameter (1 litre chemical shall cover 3.00 sqm area of bars) | | | | |
| | MATERIALS | | | | |
| **7911** | Chemical Rust Remover | litre | 1.00 | 186.14 | 186.14 |
| | LABOUR | | | | |
| | (Application charges for 3.0 sqm) | | | | |
| **0131** | Painter | day | 0.16 | 323.00 | 52.33 |
| **0115** | Coolie | day | 0.16 | 265.00 | 42.93 |
| **9999** | Putty, brush, sand paper | L.S. | 3.16 | 1.80 | 5.69 |
| **9999** | Sundries | L.S. | 1.98 | 1.80 | 3.56 |
| | TOTAL | | | | 290.66 |
| | Add 1 % Water charges | | | | 2.91 |
| | TOTAL | | | | 293.56 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 41.25 |
| | Total | | | | 334.81 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 50.22 |
| | Cost of 3 sqm (95.54 of 10 mm dia bar) | | | | 385.03 |
| | Rate per meter length of bar | | | | 4.03 |
| | Add 1% labour cess | | | | 0.04 |
| | rate included labour cess | | | | 4.07 |
| | Say | | | | 4.10 |
| **26.29.2** | **Bars above 12 mm diameter** | | | | |
| | Detail of cost for 3.00 sqm (47.78 meter length of 20 mm dia bar) Bars above12 mm diameter (1 litre chemical shall cover 3.00 sqm area of bars) | | | | |
| | MATERIALS | | | | |
| **7911** | Chemical Rust Remover | litre | 1.00 | 186.14 | 186.14 |
| | LABOUR | | | | |
| | (Application charges for 3.0 sqm) | | | | |
| **0131** | Painter | day | 0.16 | 323.00 | 52.33 |
| **0115** | Coolie | day | 0.16 | 265.00 | 42.93 |
| **9999** | Putty, brush, sand paper | L.S. | 3.16 | 1.80 | 5.69 |
| **9999** | Sundries | L.S. | 1.98 | 1.80 | 3.56 |
| | TOTAL | | | | 290.66 |
| | Add 1 % Water charges | | | | 2.91 |
| | TOTAL | | | | 293.56 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 41.25 |
| | Total | | | | 334.81 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 50.22 |
| | Cost of 3.00 sqm (47.78m length of 20 mm dia bar) | | | | 385.03 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Rate per meter length of bar | | | | 8.06 |
| | Add 1% labour cess | | | | 0.08 |
| | rate included labour cess | | | | 8.14 |
| | Say | | | | 8.10 |
| **26.30** | **Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine to a minimum depth of 100mm upto 200mm in RCC beams, lintels, columns and slabs to introduce steel bars for sunshades/balconies including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge.** | | | | |
| **26.30.1** | **Upto and including 12mm dia.** | | | | |
| | Details of cost for 10 holes MATERIAL | | | | |
| | Epoxy | | | | |
| **7913** | Approx unit Weight of Epoxy= 2000kg/cum or 2gm/cucm Volume of Epoxy filled =3.14/4[(1.5)2-(1.2)2] x 15.5cm = 9.86cucm Weight of Epoxy for 10 holes=10x9.86 x 2 = 197.20 gms say 200gms = 0.2 kg | kg | 0.20 | 511.90 | 102.38 |
| | MACHINERY | | | | |
| **0088** | Hire charges of Drill machine upto 30 mm dia | day | 0.50 | 150.00 | 75.00 |
| | LABOUR | | | | |
| **0116** | Fitter (grade 1) | day | 0.50 | 348.00 | 174.00 |
| **0114** | Beldar | day | 0.50 | 254.00 | 127.00 |
| | TOTAL | | | | 478.38 |
| | Add 1 % Water charges | | | | 4.78 |
| | TOTAL | | | | 483.16 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 67.88 |
| | Total | | | | 551.05 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 82.66 |
| | Rate for 10 holes | | | | 633.70 |
| | Rate for one hole | | | | 63.37 |
| | Add 1% labour cess | | | | 0.63 |
| | rate included labour cess | | | | 64.00 |
| | Say | | | | 64.00 |
| **26.31** | **Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect.** | | | | |
| **26.31.1** | **SBR Polymer (@10% of cement weight) modified cementitious bond coat @2.2 kg cement per sqm of surface area mixed with** | | | | |
| | Details of Cost for 10.00 Sqm bonding coat | | | | |
| | MATERIAL | | | | |
| **0367** | Portland slag Cement (OPC-43 grade) | tonne | 0.02 | 5474.00 | 120.43 |
| **7914** | SBR Polymer @ 10% of cement weight= 22.00kgx10% =2.2 kg | kg | 2.20 | 167.53 | 368.57 |
| | LABOUR | | | | 0.00 |
| **0155** | Mason (average) | day | 0.27 | 305.00 | 82.35 |
| **0115** | Coolie | day | 0.27 | 265.00 | 71.55 |
| **9999** | Scaffolding and sundries (8.06/2=4.03) | L.S. | 4.03 | 1.80 | 7.25 |
| | TOTAL | | | | 650.15 |
| | Add 1 % Water charges | | | | 6.50 |
| | TOTAL | | | | 656.65 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 92.26 |
| | Total | | | | 748.91 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 112.34 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost for 10.00 sqm | | | | 861.25 | |
| | Rate per sqm | | | | 86.12 | |
| | Add 1% labour cess | | | | 0.86 | |
| | rate included labour cess | | | | 86.99 | |
| | Say | | | | 87.00 | |
| **26.31.2** | **Epoxy bonding adhesive having coverage 2.20 sqm/kg of approved make** | | | | | |
| | Details of Cost for 2.20 Sqm | | | | | |
| **7913** | Epoxy | kg | 1.00 | 511.90 | 511.90 | |
| **9999** | Application charge for applying bonding coat of Epoxy | L.S. | 18.50 | 1.80 | 33.30 | |
| **9999** | Cost of brushes etc. | L.S. | 8.40 | 1.80 | 15.12 | |
| | TOTAL | | | | 560.32 | |
| | Add 1 % Water charges | | | | 5.60 | |
| | TOTAL | | | | 565.92 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 79.51 | |
| | Total | | | | 645.43 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 96.81 | |
| | Cost for 2.20 sqm | | | | 742.25 | |
| | Rate per sqm | | | | 337.39 | |
| | Add 1% labour cess | | | | 3.37 | |
| | rate included labour cess | | | | 340.76 | |
| | Say | | | | 340.80 | |
| **26.32** | **Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2).** | | | | | |
| **26.32.1** | **12 mm average thickness.** | | | | | |
| | Details of Cost for 10 Sqm | | | | | |
| | MATERIAL | | | | | |
| | Cement mortar 1:4 (1 cement : 4 coarse sand) = 0144 Cum | | | | | |
| **3.9** | Rate as per Item No.3.9 of SH:MORTARS | cum | 0.14 | 3246.34 | 467.47 | |
| **7914** | SBR Polymer Qty of cement in mortar= 0.144x0.38 = 0055 MT or 55kg @ 2% of weight of cement 55kgx2%=1.10 kg | kg | 1.10 | 167.53 | 184.28 | |
| | LABOUR | | | | | |
| **0155** | Mason (average) | day | 0.67 | 305.00 | 204.35 | |
| **0115** | Coolie | day | 0.75 | 265.00 | 198.75 | |
| **0101** | Bhisti | day | 0.92 | 277.00 | 254.84 | |
| **9999** | Scaffolding and sundries | L.S. | 12.61 | 1.80 | 22.70 | |
| | TOTAL | | | | 1332.39 | |
| | Add 1 % Water charges | | | | 13.32 | |
| | TOTAL | | | | 1345.72 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 189.07 | |
| | Total | | | | 1534.79 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 230.22 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | Cost for 10 sqm | | | | 1765.01 | |
| | Rate per sqm | | | | 176.50 | |
| | Add 1% labour cess | | | | 1.77 | |
| | rate included labour cess | | | | 178.27 | |
| | Say | | | | 178.30 | |
| **26.32.2** | **25 mm average thickness in 2 layers.** | | | | | |
| | Details of Cost for 10 Sqm | | | | | |
| | MATERIAL | | | | | |
| | Cement mortar 1:4 (1 cement : 4 coarse sand) =(0.144/12)x25=0.30 Cum | | | | | |
| **3.9** | Rate as per Item No.3.9 of SH: MORTARS | cum | 0.30 | 3246.34 | 973.90 | |
| **7914** | SBR Polymer Cement 0.30x0.38 = 0.114 MT OR 114 kg @ 2% of weight of cement 114kgx2% =2.28kg | kg | 2.28 | 167.53 | 381.97 | |
| | LABOUR | | | | | |
| **0155** | Mason (average) | day | 0.94 | 305.00 | 286.70 | |
| **0115** | Coolie | day | 1.02 | 265.00 | 270.30 | |
| **0101** | Bhisti | day | 1.01 | 277.00 | 279.77 | |
| **9999** | Scaffolding and sundries | L.S. | 12.61 | 1.80 | 22.70 | |
| | TOTAL | | | | 2215.34 | |
| | Add 1 % Water charges | | | | 22.15 | |
| | TOTAL | | | | 2237.49 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 314.37 | |
| | Total | | | | 2551.86 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 382.78 | |
| | Cost for 10 sqm | | | | 2934.64 | |
| | Rate per sqm | | | | **293.46** | |
| | Add 1% labour cess | | | | 2.93 | |
| | rate included labour cess | | | | 296.40 | |
| | Say | | | | 296.40 | |
| **26.32.3** | **50 mm average thickness in 3 layers.** | | | | | |
| | Details of Cost for 10 Sqm | | | | | |
| | MATERIAL | | | | | |
| | Cement mortar 1:4 (1 cement : 4 coarse sand) 0.144/12)x50= 0.60 Cum | | | | | |
| **3.9** | Rate as per Item No.3.9 of SH: MORTARS | cum | 0.60 | 3246.34 | 1947.81 | |
| **7914** | SBR Polymer Cement 0.60x0.38 = 0.228 MT OR 228 kg 2% of weightof cement 228kgx2% =4.56 kg | kg | 4.56 | 167.53 | 763.94 | |
| | LABOUR | | | | | |
| **0155** | Mason (average) | day | 1.88 | 305.00 | 573.40 | |
| **0115** | Coolie | day | 2.04 | 265.00 | 540.60 | |
| **0101** | Bhisti | day | 2.02 | 277.00 | 559.54 | |
| **9999** | Scaffolding and sundries | L.S. | 25.22 | 1.80 | 45.40 | |
| | TOTAL | | | | 4430.68 | |
| | Add 1 % Water charges | | | | 44.31 | |
| | TOTAL | | | | 4474.99 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 628.74 | |
| | Total | | | | 5103.72 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 765.56 | |
| | Cost for 10 sqm | | | | 5869.28 | |
| | Rate per sqm | | | | 586.93 | |
| | Add 1% labour cess | | | | 5.87 | |
| | rate included labour cess | | | | 592.80 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Say | | | | 592.80 |
| **26.33** | **Providing, mixing and applying SBR polymer (of approved make @ minimum 2% by wt. of cement used) modified plain/reinforced cement concrete for structural members having minimum characteristic compressive strength [with ordinary portland cement, coarse sand and graded stone aggregate of 10mm maximum size in proportion as per design criteria] with specified average thickness. Note: Rates shall be for finished surface area of concrete and shall include the cost of labour, concrete and appropriate approved Super-Plasticiser for rendering concrete as flowable and SBR polymer but shall exclude cost of reinforcement, bond coat, Shear Keys, centering and shuttering, strutting, propping etc (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding/tapping with a blunt metal instrument)** | | | | |
| **26.33.1** | **50mm thick in Grade M 25 with cement content not less than 330 kg per cum** | | | | |
| | Detail of cost for 10 sqm area (0.5cum)<br>M25 concrete 0.5 cum of concrete@ 330 kg/cum | | | | |
| **5.33.2** | Rate as per Item No.5.33.2 of SH: Reinforced Cement Concrete Deduction of pumping charges | cum | 0.50 | 5801.01 | 2900.51 (A) |
| **0009** | Pumping charges of concrete including Hire charges of pump, piping work & accessories etc. | cum | -0.50 | 200.00 | -100.00 |
| **7914** | SBR Polymer @2% of cement 165 kg = 165X2% = 3.3 kg | kg | 3.30 | 167.53 | 552.85 |
| | TOTAL | | | | 3353.36 |
| | Add 1 % Water charges except(A) i.e on (3353.36-2900.51=) | | | | 4.53 |
| | TOTAL | | | | 3357.88 (X) |
| | Add GST 12% on X except A (multiplying factor =0.1405)(3358-2900.51) | | | | 64.26 |
| | Total | | | | 3422.15 (Y) |
| | Add 15 % Contractor's profit and overheads on Y except A (3422.15-2900.51) | | | | 78.25 |
| | Cost of 10 sqm | | | | 3500.39 |
| | Cost of 1 sqm | | | | 350.04 |
| | Add 1% labour cess | | | | 3.50 |
| | rate included labour cess | | | | 353.54 |
| | Say | | | | 353.50 |
| **26.33.2** | **75mm thick in Grade M 25 with cement content not less than 330 kg per cum** | | | | |
| | Detail of cost for 10 sqm area (0.75cum)<br>M25 concrete 0.75 cum of concrete@ 330 kg/cum | | | | |
| **5.33.2** | Rate as per Item No.5.33.2 of SH: Reinforced Cement Concrete Deduction of pumping charge | cum | 0.75 | 5801.01 | 4350.76 (A) |
| **0009** | Pumping charges of concrete including Hire charges of pump, piping work & accessories etc. | cum | -0.75 | 200.00 | -150.00 |
| **7914** | SBR Polymer '@2% of cement 247.50 kg = 247.50X2% '= 4.95 kg | kg | 4.95 | 167.53 | 829.27 |
| | Total | | | | 5030.03 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add 1 % Water charges except(A) i.e on (5030.03451445201-4350.75996126052=) | | | | 6.79 |
| | TOTAL | | | | 5036.83 (X) |
| | Add GST 12% on X except A (multiplying factor =0.1405)(5036.82725998392-4350.75996126052) | | | | 96.39 |
| | Total | | | | 5133.22 (Y) |
| | Add 15 % Contractor's profit and overheads on Y except A (5133.21971545456-4350.75996126052) | | | | 117.37 |
| | Cost of 10 sqm | | | | 5250.59 |
| | Cost of 1 sqm | | | | 525.06 |
| | Add 1% labour cess | | | | 5.25 |
| | rate included labour cess | | | | 530.31 |
| | Say | | | | 530.30 |
| **26.34** | **Providing and laying SBR Polymer modified (of approved make @ minimum 2% by wt. of cement used) plain/reinforced concrete jacket for the structural members e.g. columns, pillars, piers, beams etc with concrete having the specified minimum characteristic compressive strength [with ordinary portland cement, coarse sand and graded stone aggregate of 10mm maximum size in proportion as per design criteria] with specified average thickness all-round existing core of RCC member.Note: Rates shall be for finished surface area of concrete and shall include the cost of making holes in existing RCC slab, if required, for pouring concrete in shuttering mould of jacket and appropriate approved Super-Plasticiser for rendering concrete as flowable self compacting and SBR polymer but shall exclude cost of reinforcement, bond coat, Shear Keys, centering and shuttering, strutting, propping etc (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding/tapping with a blunt metal instrument** | | | | |
| **26.34.1** | **50mm thick in Grade M 25 with cement content not less than 330 kg per cum** | | | | |
| | Detail of cost for 10 sqm area (0.5cum) M25 concrete 0.5 cum of concrete with cement content 330 kg/cum | | | | |
| **5.33.2** | Rate as per Item No.5.33.2 of SH: Reinforced Cement Concrete | cum | 0.50 | 5801.01 | 2900.51 (A) |
| **0009** | Pumping charges of concrete including Hire charges of pump, piping work & accessories etc. | cum | -0.50 | 200.00 | -100.00 |
| **7914** | SBR Polymer @2% of cement 165 kg = 165X2% = 3.3 kg | kg | 3.30 | 167.53 | 552.85 |
| | TOTAL | | | | 3353.36 |
| | Add 1 % Water charges except(A) i.e on (3353.35634296801-2900.50664084035=) | | | | 4.53 |
| | TOTAL | | | | 3357.88 (X) |
| | Add GST 12% on X except A (multiplying factor =0.1405)(3357.88483998928-2900.50664084035) | | | | 64.26 |
| | Total | | | | 3422.15 (Y) |
| | Add 15 % Contractor's profit and overheads on Y except A (3422.14647696971-2900.50664084035) | | | | 78.25 |
| | Cost of 10 sqm | | | | 3500.39 |
| | Cost of 1 sqm | | | | 350.04 |
| | Add 1% labour cess | | | | 3.50 |
| | rate included labour cess | | | | 353.54 |
| | Say | | | | 353.50 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **26.34.2** | **75mm thick in Grade M 25 with cement content not less than 330 kg per cum** | | | | |
| | Detail of cost for 10 sqm area (0.75cum) | | | | |
| | M25 concrete 0.75 cum of concrete with cement content 330 kg/cum | | | | |
| **5.33.2** | Rate as per Item No.5.33.2 of SH: Reinforced Cement Concrete | cum | 0.75 | 5801.01 | 4350.76 (A) |
| **0009** | Pumping charges of concrete including Hire charges of pump, piping work & accessories etc. | cum | -0.75 | 200.00 | -150.00 |
| **7914** | SBR Polymer @2% of cement 247.50 kg = 247.50X2% | kg | 4.95 | 167.53 | 829.27 |
| | TOTAL | | | | 5030.03 |
| | Add 1 % Water charges except(A) i.e on (5030.03451445201-4350.75996126052=) | | | | 6.79 |
| | TOTAL | | | | 5036.83 (X) |
| | Add GST 12% on X except A (multiplying factor =0.1405)(5036.82725998392-4350.75996126052) | | | | 96.39 |
| | Total | | | | 5133.22 (Y) |
| | Add 15 % Contractor's profit and overheads on Y except A (5133.21971545456-4350.75996126052) | | | | 117.37 |
| | Cost of 10 sqm | | | | 5250.59 |
| | Cost of 1 sqm | | | | 525.06 |
| | Add 1% labour cess | | | | 5.25 |
| | rate included labour cess | | | | 530.31 |
| | Say | | | | 530.30 |
| **26.34.3** | **100mm thick in Grade M 25 with cement content not less than 330 kg per cum** | | | | |
| | Detail of cost for 10 sqm area (1.00 cum) | | | | |
| | M25 concrete 1.00 cum of concrete with cement content 330 kg/cum | | | | |
| **5.33.2** | Rate as per Item No.5.33.2 of SH: Reinforced Cement Concrete | cum | 1.00 | 5801.01 | 5801.01 (A) |
| **0009** | Pumping charges of concrete including Hire charges of pump, piping work & accessories etc. | cum | -1.00 | 200.00 | -200.00 |
| **7914** | SBR Polymer @2% of cement 330 kg = 330X2% = 6.6 kg | kg | 6.60 | 167.53 | 1105.70 |
| | TOTAL | | | | 6706.71 |
| | Add 1 % Water charges except(A) i.e on (6706.71268593601-5801.01328168069=) | | | | 67.07 |
| | TOTAL | | | | 6773.78 (X) |
| | Add GST 12% on X except A (multiplying factor =0.1405)(6773.77981279537-5801.01328168069) | | | | 136.67 |
| | Total | | | | 6910.45 (Y) |
| | Add 15 % Contractor's profit and overheads on Y except A (6910.45351041699-5801.01328168069) | | | | 166.42 |
| | Cost of 10 sqm | | | | 7076.87 |
| | Cost of 1 sqm | | | | 707.69 |
| | Add 1% labour cess | | | | 7.08 |
| | rate included labour cess | | | | 714.76 |
| | Say | | | | 714.80 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **26.35** | **Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-Charge. (The payment shall be made on the basis of actual weight of approved grout injected.)** | | | | |
| **26.35.1** | Stirrer mixed Acrylic Polymer of approved make @ 2% of weight of cement used) modified Cement slurry made with non shrink compound in concrete/ RCC work | | | | |
| | Detail of cost for 100 kg Acrylic polymer mixed cement grout | | | | |
| | MATERIAL | | | | |
| **7927** | Acrylic Polymer chemical for cracks Considering 1 kg of cement grout mixed with non shrink polymer compound with cement @ 2% of cement | kg | 2.00 | 27.92 | 55.84 |
| **367** | Portland Cement (OPC-43 grade) | tonne | 0.10 | 5474.00 | 547.40 |
| **9977** | Carriage of materials | L.S. | 1.00 | 1.80 | 1.80 |
| **9999** | Injecting charges of Stirrer mixed polymer grout Gun, rubber, pipe and other accessories hire charges of plant, machinery including necessary fuel and transportation of site | L.S. | 2250.00 | 1.80 | 4050.00 |
| | LABOUR | | | | |
| **0122** | Foreman | day | 1.00 | 342.00 | 342.00 |
| **0157** | Nozzleman | day | 1.00 | 430.00 | 430.00 |
| **0157** | Pump Operator | day | 1.00 | 430.00 | 430.00 |
| | TOTAL | | | | 5857.05 |
| | Add 1 % Water charges | | | | 58.57 |
| | TOTAL | | | | 5915.62 (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 831.14 |
| | Total | | | | 6746.76 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1012.01 |
| | Cost of 100 kg | | | | 7758.77 |
| | Cost of 1 kg | | | | 77.59 |
| | Add 1% labour cess | | | | 0.78 |
| | rate included labour cess | | | | 78.36 |
| | Say | | | | 78.40 |
| **26.35.2** | **Stirrer mixed SBR Polymer (of approved make) modified Cement slurry made with Shrinkage Compensating Cement in concrete/RCC work.** | | | | |
| | Detail of cost for 100 kg of SBR polymer mixed cement grout | | | | |
| | MATERIAL | | | | |
| **7914** | SBR Polymer for crack | kg | 2.00 | 167.53 | 335.06 |
| **367** | Portland Cement (OPC-43 grade) | tonne | 0.10 | 5474.00 | 547.40 |
| **9977** | Carriage of materials | L.S. | 1.00 | 1.80 | 1.80 |
| **9999** | Injecting charges of Stirrer mixed polymer grout Gun, rubber, pipe and other accessories hire charges of plant, machinery including necessary fuel and transportation of site Rs 4000/- per day including plant shall be used of doing approximate 50 sqm Hence cost per sqm (4000/50 = 80) | L.S. | 2250.00 | 1.80 | 4050.00 |
| | LABOUR | | | | |
| **0122** | Foreman | day | 1.00 | 342.00 | 342.00 |
| **0157** | Nozzle Operator | day | 1.00 | 430.00 | 430.00 |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **0157** | Pump Operator | day | 1.00 | 430.00 | 430.00 | |
| | TOTAL | | | | 6136.26 | |
| | Add 1 % Water charges | | | | 61.36 | |
| | TOTAL | | | | 6197.62 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 870.77 | |
| | Total | | | | 7068.39 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1060.26 | |
| | Cost of 100 kg | | | | 8128.65 | |
| | Cost of 1 kg | | | | 81.29 | |
| | Add 1% labour cess | | | | 0.81 | |
| | rate included labour cess | | | | 82.10 | |
| | Say | | | | 82.10 | |
| **26.35.3** | **Epoxy injection grout in concrete/RCC work of approved make** | | | | | |
| | Details of cost for10kg Epoxy grout | | | | | |
| | MATERIAL | | | | | |
| **7913** | Epoxy | kg | 10.00 | 511.90 | 5118.98 | |
| **92** | Hire charges of Plant and machinery, it can inject-350kg/day | day | 0.03 | 100.00 | 3.00 | |
| | LABOUR | | | | | |
| **114** | Beldar | day | 0.06 | 254.00 | 15.24 | |
| **157** | Nozzle Operator | day | 0.03 | 430.00 | 12.90 | |
| **9999** | Sundries (gloves gogles etc.) | L.S. | 5.00 | 1.80 | 9.00 | |
| | TOTAL | | | | 5159.12 | |
| | Add 1 % Water charges | | | | 51.59 | |
| | TOTAL | | | | 5210.71 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 732.10 | |
| | Total | | | | 5942.81 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 891.42 | |
| | Cost of 10 kg | | | | 6834.24 | |
| | Cost of 1 kg | | | | 683.42 | |
| | Add 1% labour cess | | | | 6.83 | |
| | rate included labour cess | | | | 690.26 | |
| | Say | | | | 690.30 | |
| **26.36** | **Providing, erecting, maintaining and removing temporary protective screens made out of specified fabric with all necessary fixing arrangement to ensure that it remains in position for the work duration as required by the Engineer- in-charge.** | | | | | |
| **26.36.1** | **Wooven PVC cloth** | | | | | |
| | Details of cost for 10 sqm | | | | | |
| | MATERIAL | | | | | |
| **7915** | Wooven PVC cloth | sqm | 10.00 | 23.27 | 232.68 | |
| **9999** | Fixing double scaffolding outside | L.S. | 11.00 | 1.80 | 19.80 | |
| | Total Material | | | | 252.48 | |
| | LABOUR | | | | | |
| | For fixing and removal after complete of work @25% | | | | 63.12 | |
| | TOTAL | | | | 315.60 | |
| | Add 1 % Water charges | | | | 3.16 | |
| | TOTAL | | | | 318.76 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 44.79 | |
| | Total | | | | 363.54 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 54.53 | |
| | Rate for 10 sqm | | | | 418.07 | |
| | Rate for 1 sqm | | | | 41.81 | |
| | Add 1% labour cess | | | | 0.42 | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| | rate included labour cess | | | | 42.23 | |
| | Say | | | | 42.20 | |
| **26.37** | **Cleaning of exposed concrete surface of sticking material including loose and foreign material by sand blasting with coarse sand followed by and including cleaning with oil free air blast as per direction of Engineer in charge.** | | | | | |
| | Details of cost for 10 Sqm | | | | | |
| | Machinery | | | | | |
| **89** | Hire charges of sand blasting equipment (14 sqm perday) | day | 0.70 | 400.00 | 280.00 | |
| **90** | Hire charges of compressor | | | | | |
| | Material | day | 0.70 | 600.00 | 420.00 | |
| **982** | Coarse sand (zone III) | cum | 1.00 | 160.69 | 160.69 | |
| | LABOUR | | | | | |
| **114** | Beldar | day | 0.70 | 254.00 | 177.80 | |
| **9999** | Sundries | L.S. | 10.00 | 1.80 | 18.00 | |
| | TOTAL | | | | 1056.49 | |
| | Add 1 % Water charges | | | | 10.56 | |
| | TOTAL | | | | 1067.05 | (X) |
| | Add GST 12% on "X" ( multiplying factor 0.1405) | | | | 149.92 | |
| | Total | | | | 1216.98 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 182.55 | |
| | Cost of 10 sqm | | | | 1399.52 | |
| | Cost of 1 sqm | | | | 139.95 | |
| | Add 1% labour cess | | | | 1.40 | |
| | rate included labour cess | | | | 141.35 | |
| | Say | | | | 141.40 | |
| **26.38.** | **Shotcreting R.C.C. columns, beams and slabs etc. in layers with approved design mix concrete having the specified minimum characteristic compressive strength [with ordinary portland cement, coarse sand and graded stone aggregate of 10 mm maximum size in proportion as per design criteria] including the cost of centering and shuttering at edges and corners etc. as directed by Engineer- in-Charge**<br>**Note: Rates shall include the providing necessary ground wires etc. The levelling gauges, if used, shall be paid for separately. Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding/tapping with a blunt metal instrument.** | | | | | |
| **26.38.1** | **25mm thick in Grade M 25 with cement content not less than 330 kg per cum** | | | | | |
| | Detail of cost for 10 sqm | | | | | |
| | M25 concrete 0.5 cum of concrete@ Cubical qty of concrete for 10 sqm = 10x1.00x0.025 = 0.25 cum Wastage 25%, = 0.25x25/100=0.0625 cum Total=0.3125 cum | | | | | |
| **5.33.2** | Rate as per Item No.5.33.2 of SH: Reinforced Cement Concrete Machinary | cum | 0.31 | 5801.01 | 1812.82 | (A) |
| **86** | Compressor, gun, rubber pipes & other accessories-hire charge of plant & machinery i/c necessary fuel (approx. 40 sqm area of shotcrete per day | day | 0.25 | 4000.00 | 1000.00 | |
| | Labour | | | | | |
| **157** | Operator (Pile/ Special machine) | day | 0.40 | 430.00 | 172.00 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **154** | Nozzel man/ gun man | day | 0.40 | 430.00 | 172.00 |
| **124** | Mason (brick layer) 2nd class | day | 0.40 | 305.00 | 122.00 |
| **161** | Helper (Technician) | day | 0.80 | 254.00 | 203.20 |
| **101** | Bhisti | day | 0.40 | 277.00 | 110.80 |
| | TOTAL | | | | 3592.82 |
| | Add 1 % Water charges except(A) i.e on (3592.81665052522-1812.81665052522=) | | | | 17.80 |
| | TOTAL | | | | 3610.62 (X) |
| | Add GST 12% on X except A (multiplying factor =0.1405)(3610.61665052522-1812.81665052522) | | | | 252.59 |
| | Total | | | | 3863.21 (Y) |
| | Add 15 % Contractor's profit and overheads on Y except A (3863.20755052522-1812.81665052522) | | | | 307.56 |
| | Cost of 10 sqm | | | | 4170.77 |
| | Cost of 1 sqm | | | | 417.08 |
| | Add 1% labour cess | | | | 4.17 |
| | rate included labour cess | | | | 421.25 |
| | Say | | | | 421.20 |
| **26.38.2** | **50mm thick in Grade M 25 with cement content not less than 330 kg per cum** | | | | |
| | Detail of cost for 10 sqm<br>M25 concrete 0.5 cum of concrete@ 330 kg/cum Cubical qty of concrete for 10 sqm = 10x1.00x0.050 = 0.50 cum<br>Wastage 25%, = 0.50x25/100=0.125 cum Total=0.625 cum | | | | |
| **5.33.2** | Rate as per Item No.5.33.2 of SH: Reinforced Cement Concrete Machinary | cum | 0.63 | 5801.01 | 3625.63 (A) |
| **86** | Compressor, gun, rubber pipes & other accessories-hire charge of plant & machinery i/c necessary fuel (approx. 25 sqm area of shotcrete per day = 10/25 = 0.4 day) | day | 0.40 | 4000.00 | 1600.00 |
| | Labour | | | | 0.00 |
| **157** | Operator (Pile/ Special machine) | day | 0.40 | 430.00 | 172.00 |
| **154** | Nozzel man/ gun man | day | 0.40 | 430.00 | 172.00 |
| **124** | Mason (brick layer) 2nd class | day | 0.40 | 305.00 | 122.00 |
| **161** | Helper (Technician) | day | 0.80 | 254.00 | 203.20 |
| **101** | Bhisti | day | 0.40 | 277.00 | 110.80 |
| | TOTAL | | | | 6005.63 |
| | Add 1 % Water charges except(A) i.e on (6005.63330105043-3625.63330105043) | | | | 23.80 |
| | TOTAL | | | | 6029.43 (X) |
| | Add GST 12% on X except A (multiplying factor =0.1405)(6029.43330105043-3625.63330105043) | | | | 337.73 |
| | Total | | | | 6367.17 (Y) |
| | Add 15 % Contractor's profit and overheads on Y except A (6367.16720105043-3625.63330105043) | | | | 411.23 |
| | Cost of 10 sqm | | | | 6778.40 |
| | Cost of 1 sqm | | | | 677.84 |
| | Add 1% labour cess | | | | 4.11 |
| | rate included labour cess | | | | 681.95 |
| | Say | | | | 682.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **26.38.3** | **75mm thick in Grade M 25 with cement content not less than 330 kg per cum** | | | | |
| | Detail of cost for 10 sqm<br>M25 concrete 0.5 cum of concrete@ 330 kg/cum | | | | |
| | Cubical qty of concrete for 10 sqm '= 10x1.00x0.025 = 0.25 cum Wastage 25%, = 0.25x25/100=0.0625 cum<br>Total=0.3125 cum | | | | |
| **5.33.2** | Rate as per Item No.5.33.2 of SH: Reinforced Cement Concrete | cum | 0.94 | 5801.01 | 6796.92 (A) |
| | Machinary | | | | |
| **0086** | Compressor, gun, rubber pipes & other accessories-hire charge of plant & machinery i/c necessary fuel (approx. 15 sqm area of shotcrete per day '= 10/15 = 0.665 day) | day | 0.67 | 4000.00 | 2660.00 |
| | Labour | | | | |
| **0157** | Operator (Pile/ Special machine) | day | 0.40 | 430.00 | 194.80 |
| **0154** | Nozzel man/ gun man | day | 0.40 | 430.00 | 194.80 |
| **0124** | Mason (brick layer) 2nd class | day | 0.40 | 305.00 | 179.20 |
| **0161** | Helper (Technician) | day | 0.80 | 254.00 | 294.40 |
| **0101** | Bhisti | day | 0.40 | 277.00 | 162.80 |
| | TOTAL | | | | 10482.92 |
| | Add 1 % Water charges except(A) i.e on (10482.92-6796.92) | | | | 36.86 |
| | TOTAL | | | | 10519.78 (X) |
| | Add GST 12% on X except A (multiplying factor =0.1405)(10519.78-6796.92) | | | | 523.06 |
| | Total | | | | 11042.84 (Y) |
| | Add 15 % Contractor's profit and overheads on Y except A (11042.84183-6796.92) | | | | 636.89 |
| | Cost of 10 sqm | | | | 11679.73 |
| | Cost of 1 sqm | | | | 1167.97 |
| | Add 1% labour cess | | | | 11.68 |
| | rate included labour cess | | | | 1179.65 |
| | Say | | | | 1179.70 |
| **26.39** | **Providing and inserting 12mm dia galvanised steel injection nipple in honey comb area and along crack line including drilling of holes of required diametre (20mm to 30mm) up to depth from 30mm to 80mm at required spacing and making the hole & crack dust free by blowing compressed air, sealing the distance between injection nipple with adhesive chemical of approved make and allow it to cure complete as per direction of Engineer-In-Charge** | | | | |
| | Details of cost for 20.00 Nos Hole | | | | |
| | MATERIAL | | | | |
| **7921** | Adhesive chemical (750 mm deep & 20 mm Dia Hole)<br>Volume of hole =20x(3.14/4)x2.00x 2.00x7.5=471 cubcm.<br>Adhesive @ 40% of 471 ml=188.40 ml, Say 188 ml | ml | 188.00 | 2.20 | 412.94 |
| **7922** | Bit of drilling machine for Hole upto 30mm dia (OneBit done 20 Holes only) | each | 1.00 | 442.09 | 442.09 |
| **7923** | GI injection nipple 12mm dia, 75mm long | each | 20.00 | 37.23 | 744.58 |
| **7924** | Blowing compressed air for cleaning holes upto 30mmdia | each | 20.00 | 9.31 | 186.14 |
| | LABOUR | | | | |

| Code | Description | Unit | Quantity | Rate | Amount | |
|---|---|---|---|---|---|---|
| **0155** | Mason (average) | day | 0.50 | 305.00 | 152.50 | |
| **0115** | Coolie | day | 0.50 | 265.00 | 132.50 | |
| **0101** | Bhisti | day | 0.50 | 277.00 | 138.50 | |
| | TOTAL | | | | 2209.26 | |
| | Add 1 % Water charges | | | | 22.09 | |
| | TOTAL | | | | 2231.35 | (X) |
| | Add GST 12% on "X"( multiplying factor 0.1405) | | | | 313.51 | |
| | Total | | | | 2544.86 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 381.73 | |
| | Cost of 20 Nos hole | | | | 2926.59 | |
| | Cost of 1 hole | | | | 146.33 | |
| | Add 1% labour cess | | | | 1.46 | |
| | rate included labour cess | | | | 147.79 | |
| | Say | | | | 147.80 | |
| **26.40** | **Providing and fixing hard drawn steel wire fabric of size 75 x25 mm mesh or other suitable size wire mesh to be fixed & firmly anchored to the concrete surface by means of "L" shaped mild steel shear key welded with existing reinforcement including the cost of materials, labour, tool & plants as approved by Engineer-in-charge.** | | | | | |
| | Details of cost for 10.00 sqm ( i.e 77.50 kg.) | | | | | |
| | MATERIAL | | | | | |
| **7925** | L shaped 100mm long, 10mm dia mild steel shear keykey to be provided at 0.5 mtr centre to centre in eachdirection<br>Total no. of Shear key of MS Bar in 10sqm = 25 nos<br>25x0.10x0.617=1.55 kg | kg | 1.55 | 62.45 | 96.80 | |
| **0091** | Welding charges of shear key to existing reinforcement | each | 25.00 | 2.00 | 50.00 | |
| **1021** | Hard drawn steel wire fabric 75x25mm, weight 7.75kg/sqm<br>75x25 mm = 10.00 sqm + Add 5% wastage = 0.50 sqm<br>Total = 10.50 sqm | sqm | 10.50 | 372.29 | 3909.04 | |
| **9977** | Carriage at site | L.S. | 5.61 | 1.80 | 10.10 | |
| | LABOUR | | | | | |
| **0103** | Blacksmith 2nd class | day | 1.00 | 305.00 | 305.00 | |
| **0114** | Beldar | day | 1.00 | 254.00 | 254.00 | |
| | TOTAL | | | | 4624.94 | |
| | Add 1 % Water charges | | | | 46.25 | |
| | TOTAL | | | | 4671.19 | (X) |
| | Add GST 12% on "X"( multiplying factor 0.1405) | | | | 656.30 | |
| | Total | | | | 5327.49 | (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 799.12 | |
| | Cost of 10 sqm | | | | 6126.61 | |
| | Cost of 1 sqm | | | | 612.66 | |
| | Add 1% labour cess | | | | 6.13 | |
| | rate included labour cess | | | | 618.79 | |
| | Say | | | | 618.80 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **26.41** | **Designing, providing, installing and fixing factory finished custom designed cold form Light Gauge Steel Framed super structure comprising of steel wall panel, trusses, purlins etc manufactured out of minimum 0.75 mm thick steel sheet as per design requirements. The steel sheet shall be galvanized (AZ-150 gms Aluminum Zinc Alloy coated steel having minimum yield strength 300- 550 Mpa) conforming to AISI specifications and IBC 2009 for cold formed steel framing and construction and also as per IS: 875-1987, ISO 800-1984 and IS: 801- 1975. The wind load shall be as per provisions of IS 875 (part -III). LGSFS frame shall be designed as per IS: 801 using commercially available software such as Frame CAD Pro-11.7/ STAAD PRO-V8i/ArchitekV2.5.16/ Revit architecture-2011 or equivalent. Proper usage of Connection Accessories like Heavy Duty Tension Ties, Light Duty Hold-ons, Twist Straps (to connect truss with wall frames), Strong Tie, Tie Rod, H-Brackets, Boxing Sections, L-Shaped Angles for better structural stability. The framing section shall be cold form C-type having minimum web depth 89 mm x 39mm flange x 11mm lip in required length as per structural design requirement duly punched with dimple/slot at required locations as per approved drawings. The slots will be along centre line of webs and shall be spaced minimum 250mm away from both ends of the member. The frame can be supplied in panelized or knock down condition in specific dimensions and fastened with screws extending through the steel beyond by minimum of three exposed threads. All self drilling tapping screws for joining the members shall have a Type II coating in accordance with ASTM B633(13) or equivalent corrosion protection of gauge 10 & 12, TPI 16 & 8 of length 20mm. The frames shall be fixed to RCC slab or Tie beam over Neoprene rubber using self expanding carbon steel anchor bolt of dia as per approved drawings. design subject to minimum 12mm diameter and 121mm length conforming to AISI 304 and 316 at 500mm c/c with minimum embedment of 100mm in RCC (RCC to be paid separately) and located not more than 300mm from corners or termination of bottom tracks complete in all respects. The item also includes the submission of stability reports duly examined and issued by any NIT/IIT. The rate includes the concept design, detailed design, fabrication of sections, transportation, installation and all required fixing arrangement at site as described above.** | | | | |
| | Details of cost for 1.00 Kg MATERIAL | | | | |
| **8579** | Cold form light gauge Steel C-section of thickness0.75mm i/c zink coating/sliting etc. = 1.00 + 0.05 (Add for wastage @5%) = 1.05 kg | kg | 1.05 | 117.27 | 123.13 |
| **9977** | Carriage Deduct for Scrap value wastage of cold form light gauge steel | L.S. | 1.69 | 1.80 | 3.03 |
| **8580** | Labour for assembling/ fixing etc | kg | -0.05 | 15.82 | -0.79 |
| **103** | Blacksmith 2nd class | day | 0.01 | 305.00 | 3.05 |
| **114** | Belder | **day** | 0.03 | 254.00 | 7.62 |
| | TOTAL | | | | 136.05 |
| | Add 1 % Water charges | | | | 1.36 |
| | TOTAL | | | | 137.41 (X) |
| | Add GST 12% on "X"( multiplying factor 0.1405) | | | | 19.31 |
| | Total | | | | 156.71 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 23.51 |
| | Cost for 1.00 kg | | | | 180.22 |
| | Add 1% labour cess | | | | 1.80 |
| | Total | | | | 182.02 |
| | Say | | | | 182.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **26.42** | **Providing and fixing of external wall system on Light gauge steel frame work with. Outer face having 6mm thick heavy duty fiber cement board fixed on 9mm thick heavy duty fiber cement board confirming to IS 14862:2000, category IV type A (High pressure steam cured) as per standard sizes fixed with self- drilling / taping screws / fasteners @ 60cm c/c of approved make. A grove of 2 mm to 3mm shall be maintained and groves shall be sealed with silicon based sealant. The board shall be fixed in a staggered pattern.Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick of 8 to 10 gauge of length varying from 25 to 45 mm and internal face 12.5mm thick gypsum plaster board fixed on 8mm thick fiber cement board confirming to IS 14862:2000 of category III type B (High pressure steam cured) as per standard sizes fixed with self- drilling / taping screws / fasteners @ 60cm c/c of approved make, proper taping and jointing to be done using fiber mesh tape and epoxy and acrylic based jointing compound for seamless finish.(cost of frame work to be paid for separately).** | | | | | |
| | Details of cost for 10.00 Sqm | | | | |
| | MATERIALS | | | | |
| **238** | 6 mm thick heavy duty fiber cement board 1x10 = 10sqm +1.00 (Add for wastage @10%)Total = 11.00 sqm | sqm | 11.00 | 409.52 | 4504.70 |
| **2636** | GI Screws of gauge 10, length 45 mm for fixing cement fibre board to C section | each | 40.00 | 2.79 | 111.69 |
| **240** | 9 mm thick heavy duty fiber cement board 1x10 = 10sqm +1.00 (Add for wastage @10%)Total = 11.00 sqm | sqm | 11.00 | 613.35 | 6746.81 |
| **2635** | GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section Taping and finishing cement board joints | each | 40.00 | 2.56 | 102.38 |
| **Sub A/R- 1** | Filling the grove of 2.3 mm between 6mm and 9mm thick fiber cement boards | sqm | 10.00 | 72.79 | 727.90 |
| **239** | 8mm thick heavy duty fiber cement board 1x10 = 10 sqm +1.00 (Add for wastage @ 10%)Total = 11.00 sqm | sqm | 11.00 | 299.69 | 3296.62 |
| **2636** | GI Screws of gauge 10, length 45 mm for fixing cement fibre board to C section | each | 40.00 | 2.79 | 111.69 |
| **7009** | 12.5 mm thick tapered edge gypsum plain borad 1x10= 10 sqm +1.00 (Add for wastage @10%)Total = 11.00 sqm | sqm | 11.00 | 148.92 | 1638.07 |
| **2635** | GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section Taping and finishing cement board joints | each | 40.00 | 2.56 | 102.38 |
| **Sub A/R- 2** | Filling the grove of 2.3 mm between 8mm thick fiber cement board and 12.5 mm thick gypsum plastic board | sqm | 10.00 | 199.60 | 1995.99 |
| | LABOUR<br>For cutting and fixing of cement and gypsum board | | | | |
| **112** | Carpenter 2nd class | day | 2.00 | 305.00 | 610.00 |
| **114** | Beldar | day | 6.00 | 254.00 | 1524.00 |
| | TOTAL | | | | 21472.23 |
| | Add 1 % Water charges | | | | 214.72 |
| | TOTAL | | | | 21686.96 (X) |
| | Add GST 12% on "X"( multiplying factor 0.1405) | | | | 3047.02 |
| | Total | | | | 24733.97 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 3710.10 |
| | Cost of 10.00 sqm | | | | 28444.07 |
| | Cost of 1.00 sqm | | | | 2844.41 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Add 1% labour cess | | | | 28.44 |
| | rate included labour cess | | | | 2872.85 |
| | Say | | | | 2872.90 |

**Sub A/R-1** **Filling the groove (i.e. 2-3mm gap between boards),taping and jointing of the first layer 6mm and 9mm thick fiber cement boards with epoxy based sealing compound or with silicon sealant. Second layer is fixed over it in a staggered pattern.**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for 1 Sqm | | | | |
| | MATERIAL | | | | |
| **1248** | Epoxy based sealing Compound | kg | 0.14 | 467.22 | 65.41 |
| | LABOUR | | | | |
| **112** | Carpenter 2nd class | day | 0.01 | 305.00 | 4.03 |
| **114** | Beldar | day | 0.01 | 254.00 | 3.35 |
| | Cost of 1 sqm | | | | 72.79 |
| | Add 1% labour cess | | | | 0.73 |
| | rate included labour cess | | | | 73.52 |
| | Say | | | | 73.50 |

**Sub A/R-2** **Fill the groove (i.e. 2-3mm gap between boards),taping and jointing 8mm thick fiber cement board and 12.5mm thick gypsum plaster boards with epoxy based sealing compound, Acrylic based sealing compound, Non woven reinforcement Tape as per direction of Engineer in charge.(Use a flexible knife so that no air bubble is entrapped. Allow 1-2 hours gap. Once hard tacky or set, apply a coat of Acrylic based sealing compound paste to flash fill the beveled area. After 2-4 hours go on to repeat a skin coat with Acrylic based sealing compound to securely embed the 40mm width (non woven reinforcement Tape. Use only flexible steel knife, such as provided with packs, to avoid air entrapment within compound. After overnight drying shrinkage apply a coat of acrylic based sealing compound to compensate shrinkage. Finally cover the bevel portion with any suitable overall skin coat with a desired full surface-leveler material).**

| | | | | | |
|---|---|---|---|---|---|
| | Details of cost for 1 Sqm | | | | |
| | MATERIAL | | | | |
| **1248** | Epoxy based sealing Compound | kg | 0.14 | 467.22 | 65.41 |
| **1249** | Acrylic based sealing compound | kg | 0.26 | 447.68 | 116.40 |
| **1250** | Non woven reinforcement Tape | metre | 25.00 | 0.13 | 3.26 |
| | LABOUR | | | | |
| **112** | Carpenter 2nd class | day | 0.03 | 305.00 | 7.93 |
| **114** | Beldar | day | 0.03 | 254.00 | 6.60 |
| | Cost of 1 sqm | | | | 199.60 |
| | Add 1% labour cess | | | | 2.00 |
| | rate included labour cess | | | | 201.60 |
| | Say | | | | 201.60 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **26.43** | **Providing and fixing internal wall panels on Light gauge steel frame work with 12.5mm thick gypsum plaster board conforming IS 2095:2011 fixed on 8mm thick fiber cement board conforming to IS 14862:2000 of category III type B (High pressure steam cured) as per standard sizes fixed with self-drilling / taping screws / fasteners @ 60cm c/c of approved make, Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick of 8 to 10 gauge of length varying from 25 to 45 mm. Proper taping and jointing to be done using fiber mesh tape and epoxy and acrylic based jointing compound for seamless finish.(cost of frame work to be paid for separately)** | | | | |
| | Details of cost for 10.00 Sqm MATERIAL | | | | |
| **239** | 8mm thick heavy duty fiber cement board 2x10 = 20 sqm + 2.00 (Add for wastage @10%)= 22.00 sqm | sqm | 22.00 | 299.69 | 6593.24 |
| **2635** | GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section | each | 80.00 | 2.56 | 204.76 |
| **241** | 12.5 mm thick Gypsum plaster board 2x10 = 20 sqm +2.00 (Add for wastage @10%)= 22.00 sqm | sqm | 22.00 | 148.92 | 3276.15 |
| **2635** | GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section Taping and finishing cement board joints | each | 80.00 | 2.56 | 204.76 |
| **Sub A/R-2** | Rate as per Item No.Sub A/R- 2 of SH: Light Gauge Steel Framed Structure (LGSFS) | sqm | 10.00 | 199.60 | 1995.99 |
| | LABOUR | | | | |
| **112** | For cutting and fixing of cement and gypsum board | | | | |
| **114** | Carpenter 2nd class | **day** | 1.11 | 305.00 | 338.55 |
| | Beldar | day | 3.33 | 254.00 | 845.82 |
| | TOTAL | | | | 13459.27 |
| | Add 1 % Water charges | | | | 134.59 |
| | TOTAL | | | | 13593.86 (X) |
| | Add GST 12% on "X"( multiplying factor 0.1405) | | | | 1909.94 |
| | Total | | | | 15503.80 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 2325.57 |
| | Cost of 10.00 sqm | | | | 17829.37 |
| | Cost of 1.00 sqm | | | | 1782.94 |
| | Add 1% labour cess | | | | 17.83 |
| | rate included labour cess | | | | 1800.77 |
| | Say | | | | 1800.80 |
| **26.44** | **Providing and fixing in all exterior face panels breathable vapour barrier underneath the cement fiber board as per National Building Code 2009 complete as per direction of Engineer-in-charge.** | | | | |
| | Details of cost for 10.00 Sqm | | | | |
| | MATERIAL | | | | |
| **2637** | Vapour barrier 10.00 sqm + 1.00 sqm (Add for wastage @10%) = 11.00 sqm | sqm | 11.00 | 158.22 | 1740.45 |
| | LABOUR | | | | |
| | For fixing fixing 45 sqm vapour barrier | | | | |
| **112** | Carpenter 2nd class | day | 0.22 | 305.00 | 67.10 |
| **114** | Beldar | day | 0.22 | 254.00 | 55.88 |
| | TOTAL | | | | 1863.43 |
| | Add 1 % Water charges | | | | 18.63 |
| | TOTAL | | | | 1882.07 (X) |
| | Add GST 12% on "X"( multiplying factor 0.1405) | | | | 264.43 |
| | Total | | | | 2146.50 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 321.97 |
| | Cost of 10.00 sqm | | | | 2468.47 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | Cost of 1.00 sqm | | | | 246.85 |
| | Add 1% labour cess | | | | 2.47 |
| | rate included labour cess | | | | 249.32 |
| | Say | | | | 249.30 |
| **26.45** | **Supplying and installation of moisture resistant/fire resistant 6 mm thick Heavy duty fiber cement board (High pressure steam cured) conforming to IS 14862:2000 of category III type B as per standard sizes fixed with self-drilling / taping screws. Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick of 8 to 10 gauge of length varying from 25 to 45 mm.** | | | | |
| | Details of cost for 10.00 Sqm | | | | |
| | MATERIAL | | | | |
| **238** | 6 mm thick heavy duty fiber cement board 10.00 sqm+ 1.00 sqm (Add for wastage @10%)= 11.00 sqm | sqm | 11.00 | 409.52 | 4504.70 |
| **2635** | GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section Taping and finishing cement board joints | each | 40.00 | 2.56 | 102.38 |
| **Sub** | Rate as per Item No.Sub A/R- 1 of SH:Light | | | | |
| **A/R- 1** | Gauge Steel Framed Structure (LGSFS) | sqm | 10.00 | 72.79 | 727.90 |
| | LABOUR | | | | |
| | For cutting and fixing of cement and gypsum board 10.00 sqm | | | | |
| **112** | Carpenter 2nd class | day | 1.11 | 305.00 | 338.55 |
| **114** | Beldar | day | 3.33 | 254.00 | 845.82 |
| | TOTAL | | | | 6519.35 |
| | Add 1 % Water charges | | | | 65.19 |
| | TOTAL | | | | 6584.54 (X) |
| | Add GST 12% on "X"( multiplying factor 0.1405) | | | | 925.13 |
| | Total | | | | 7509.67 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1126.45 |
| | Cost of 10.00 sqm | | | | 8636.12 |
| | Cost of 1.00 sqm | | | | 863.61 |
| | Add 1% labour cess | | | | 8.64 |
| | rate included labour cess | | | | 872.25 |
| | Say | | | | 872.20 |
| **26.46** | **Providing and fixing in position, 200 mm thick factory made Expanded Polystyrene Core (EPS Core) wall panels consisting of EPS core sandwiched between two Engineered sheets of welded wire fabric mesh duly finished with shortcrete materials on outer faces. The fabric mesh shall be made of 3 mm dia G.I. wire mesh with 50 mm pitch in both the directions and on both faces of the wall, kept at 120-135 mm gap and connected by the zig zag G.I. wire of 3 mm dia at alternate row by welding (at an angle ranging from 50-70 degree) . The EPS core shall consist of 100 mm thick EPS of density not less than 20 kg/ per cum. Both the outer faces of the panel shall be finished by applying the layer of 50 mm thick cement mortar 1:3 {1 cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} À with the help of shotcreting/guniting equipment etc at a pressure not less than 1 bar (100Kn/m2) and both surfaces finished with trowel. Fixing operations of wall panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer-in-charge.** | | | | |
| | Details of cost for 1.20x3.00m= 3.60 sqm MATERIAL | sqm | 3.78 | 1535.69 | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **8013** | Factory made EPS Core wallpanel /roof panel sandwiched between two Engineered welded wire fabric mesh of 3mm dia G.I. wire mesh, with 50 mm pitch in both the directions, kept at 120-135 mm gap and interconnected by the zig zag G.I. wire of 3 mm dia at alternate row by welding.3.60 sqm + 0.18 sqm (Add for wastage '@5%)Total = 3.78 sqm | | | | 5804.92 |
| **9999** | Add for L-shape,U-shape & straight lap mesh Cement mortar 1:3 (1cement:3 coarse sand) 2x1.20x3.00x0.05= 0.36 cum | L.S. | 208.00 | 1.80 | 0.00 |
| **3.8** | Rate as per Item No.3.8 of SH: Mortar 10 mm TMT bars (2 nos.75 mm long) Aluminum C-channels (100mmx150mm long) | cum | 0.36 | 3246.34 | 374.40 |
| **9999** | For fixing wall with foundation | L.S. | 312.15 | 1.80 | 1168.68 |
| | LABOUR | | | | 561.87 |
| **9999** | For carrying out shotcreting, shoring, leveling, and finishing the surface with leveling, and finishing the surface with trowel. | L.S. | 707.50 | 1.80 | 1273.50 |
| | TOTAL | | | | 9183.38 |
| | Add 1 % Water charges | | | | 91.83 |
| | TOTAL | | | | 9275.21 (X) |
| | Add GST 12% on "X"( multiplying factor 0.1405) | | | | 1303.17 |
| | Total | | | | 10578.38 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1586.76 |
| | Cost of 3.60 sqm | | | | 12165.13 |
| | Cost of 1 sqm | | | | 3379.20 |
| | Add 1% labour cess | | | | 33.79 |
| | rate included labour cess | | | | 3413.00 |
| | Say | | | | 3413.00 |

**26.47** **Providing and fixing in position, 230mm thick factory made Expanded Polystyrene Core (EPS Core) roof/floor panels made of 3 mm dia G.I. wire mesh with 50 mm pitch in both the directions and on both faces of panel, kept at 120-135 mm gap and connected by the zig zag G.I. wire of 3 mm dia at alternate row by welding (at an angle ranging from 50-70 degree). The EPS core shall consist of 100 mm thick EPS of density not less than 20kg/ per cum. The bottom side of the panel shall be finished by applying a layer of 60-65 mm thick cement mortar 1: 3 {1 cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} À with the help of shotcreting equipment etc at a pressure of not less than 1 bar (100Kn/m2) and surface finished with trowel. The top face of the panel shall be provided and finished by applying 70-75 mm thick layer of cement concrete 1:1.5: 3 (1 cement :1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size). Fixing operations of roof/floor panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer-in-charge.**

Details of cost for 1.20x3.00m= 3.60 sqm
MATERIAL

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **8013** | Factory made EPS Core wallpanel /roof panel sandwiched between two Engineered welded wire fabric mesh of 3mm dia G.I. wire mesh,with 50 mm pitch in both the directions, kept at 120-135 mm gap and interconnected by the zig zag G.I. wire of 3 mm dia at alternate row by welding.sqm 3.78 1650.00 6237.00 3.60 sqm + 0.18 sqm (Add for wastage '@5%)Total = 3.78 sqm 60mm thick on the bottom of roof slab '=1x1.2x3.00x0.060= 0.216cum | | | | |
| **3.8** | Rate as per Item No.3.8 of SH: Mortar Cement concrete 1:1.5:3 70mm thick on the top of roof slab '=1x1.20x3.00x0.07= 0.252 cum | cum | 0.22 | 3246.34 | 714.20 |
| **5.2.3** | Rate as per Item No.5.2.3 of SH: Reinforced Cement Concrete | cum | 0.25 | 5666.67 | 1416.67 (A) |
| **9999** | Add for L-shape, U-shape & straight lap mesh | L.S. | 202.32 | 1.80 | 364.18 |
| | LABOUR | | | | |
| **9999** | For providing concreting, shotcreting, shoring, leveling, plastering and finishing the surface with trowel. | L.S. | 832.36 | 1.80 | 1498.25 |
| | TOTAL | | | | 3993.29 |
| | Add 1 % Water charges except(A) i.e on (3993.28767685048-1416.66837085048) | | | | 25.77 |
| | TOTAL | | | | 4019.05 (X) |
| | Add GST 12% on X except A (multiplying factor =0.1405)(4019.05386991048-1416.66837085048) | | | | 365.64 |
| | Total | | | | 4384.69 (Y) |
| | Add 15 % Contractor's profit and overheads on Y except A (4384.68903252841-1416.66837085048) | | | | 445.20 |
| | Cost of 3.60 sqm | | | | 4829.89 |
| | Cost of 1 sqm | | | | 1341.64 |
| | Add 1% labour cess | | | | 13.42 |
| | rate included labour cess | | | | 1355.05 |
| | Say | | | | 1355.10 |
| **26.48** | **Providing and fixing aluminum formwork for monolithic construction RCC members using grade 5052 aluminum for panel sheets of minimum 4 mm thickness and grade 6061 (Type-6) aluminum for extruded sections. The tolerance of finished panels to be (-1 mm). Pins and wedges to be made of high grade mild steel. All complete as per direction of Engineer-in-charge.** | | | | |
| | Details of cost for 75.998 sqm say 76 sqm Contact area = 10.8 sqm. MATERIAL | | | | |
| | Assuming shuttering material will become unserviceable after use of 100 times Adding for maintenance @ 10%of cost Taking salvage value after full use of material @ 35% of cost | | | | |
| | I Aluminium Formwork System | | | | |
| | 1 Wall ( W ) Panels a.) 2050X600mm, Qty. = 2 Nos = 2.460 sqm b.) 2050X300mm, Qty. = 2 Nos = 1.230 sqm c.) 2050X250mm, Qty. = 2 Nos = 1.025 sqm d.) 300X1150mm, Qty. = 1 Nos = 0.345 sqm Total = 5.06 sqm | | | | |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | 2 WRB Panels<br>a.) 2325x350mm, Qty. = 1 Nos = 0.814 sqm<br>b.) 2325X250mm, Qty. = 2 Nos = 1.163 sqm<br>c.) 2100X600 mm,Qty. = 24 Nos = 30.240 sqm<br>d.) 2100X450mm, Qty. = 4 Nos = 3.780 sqm<br>e.) 2100X300mm, Qty. = 2 Nos = 1.260 sqm<br>f.) 2100X250 mm,Qty. = 2 Nos = 1.050 sqm<br>g.) 350X1150mm, Qty. = 1 Nos = 0.403 sqm<br><br>Total = 38.71 sqm<br>3 Panels<br>a.) 825X600mm, Qty. = 2 Nos = 0.990 sqm<br>b.) 825X300 mm,Qty. = 2 Nos = 0.495 sqm<br>c.) 825X250 mm,Qty. =2 Nos = 0.413 sqm<br>d.) 650X600 mm,Qty. = 24 Nos = 9.360 sqm<br>e.) 650X450 mm,Qty. = 4 Nos = 1.170 sqm<br>f.) 650X300 mm,Qty. = 2 Nos = 0.390 sqm<br>g.) 650X250 mm,Qty. = 2 Nos = 0.325 sqm<br>Total = 13.143 sqm<br><br>4 Deck Panels<br>a.) 1100x450mm, Qty. = 14 Nos = 6.930 sqm<br>b.) 1100x250mm,Qty. =2 Nos = 0.550 sqm<br>c.) 750x450mm,Qty. = 1 Nos = 0.338 sqm<br>Total = 7.818 sqm<br>5 Kicker Panels<br>a.) 125 x 2300mm, Qty. = 2 Nos = 0.576 sqm<br>b.) 125 x 1150 mm, Qty. = 2 Nos = 0.288 sqm<br>Total = 0.864 sqm<br>6 Door Closing Panel (DCRB)<br>a.) 1975 x 150mm, Qty. = 2 Nos = 0.593 sqm<br>b.) 2325x150 mm, Qty. = 1 Nos = 0.349 sqm<br>Total = 0.942 sqm<br>G. Total = 66.537 sqm<br>Qty taken for cost of using once<br>= 66.537x0.75/100 = 0.499 sqm | | | | |
| **8031** | Aluminum sheets Grade 5052, 4 mm thick for wall panel/deck panel/WRB panel/Kicker Panels/door closing panels<br>7 Internal Corner<br>a.) 2350 mm Qty. = 3 Nos = 1.586 sqm<br>b.) 2250 mm Qty. = 4 Nos.= 2.025 sqm<br>c.) ICI 400x400 mm, Qty. = 10 Nos = 1.800 sqm<br>Total = 5.411 sqm<br>8 Column Corners<br>a.) 2100 mm Qty. = 6 Nos = 2.52 sqm<br>b.) 650 mm Qty. = 6 Nos = 0.78 sqm<br>c.) 300 mm Qty. = 4 Nos = 0.24 sqm<br>Total = 3.54 sqm<br>G. Total = 8.951 sqm<br>Qty taken for cost of using once<br>= 8.951x0.75/100 = 0.0671325 = 0.0672 | sqm | 0.499 | 7911.15 | 3947.66 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| **8032** | Aluminum sheets Grade 5052, 4 mm thick for Internal Corner/Column Corners/9 Mid Soldier<br>a.)1000 mm Qty. = 2 Nos = 0.2 sqm<br>10 End soldier<br>a.) 800 mm Qty. = 2 Nos = 0.16 sqm<br>b.) 750 mm Qty. = 2 Nos = 0.15 sqm<br>Total = 0.31 sqm<br>G.Total = 0.51 sqm<br>Qty taken for cost of using once<br>= 0.51x0.75/100 = 0.003825 = 0.0038 | sqm | 0.07 | 10703.32 | 719.26 |
| **8033** | Aluminum sheets Grade 5052, 4 mm thick for Mid Soldier/End soldier | sqm | 0.00 | 29783.15 | 113.18 |
| **8034** | External Corner 2050 mm = 2 x0.75/100 '= 0.015 | each | 0.02 | 1303.01 | 19.55 |
| **8035** | External Corner 825 mm = 2 x0.75/100 '= 0.015 | each | 0.02 | 525.86 | 7.89 |
| **8036** | Soldier Tie 370 mm = 8 x0.75/100 = 0.06 | each | 0.06 | 255.02 | 15.30 |
| **8037** | Adjustable Prop - 2.00 x 2.00m '= 8 x0.75/100 = 0.06 | each | 0.06 | 13.96 | 0.84 |
| **8038** | Pin-50 = 936 x0.75/100 = 7.02 | each | 7.02 | 13.96 | 98.01 |
| **8039** | Pin-127 = 8 x0.75/100 = 0.06 | each | 0.06 | 48.40 | 2.90 |
| **8040** | Wedge = 944 x0.75/100 = 7.08 | each | 7.08 | 13.03 | 92.25 |
| **8041** | Wall Tie - 150 (355) mm = 168 x0.75/100 '= 1.26 | each | 1.26 | 41.88 | 52.77 |
| **8042** | Polythene Sleeve 90 x 150mm '= 168 x0.75/100 = 1.26 | each | 1.26 | 2.79 | 3.52 |
| **8043** | Polythene Roll - 150mm Long. '= 168 x0.75/100 = 1.26 | each | 1.26 | 5.58 | 7.04 |
| **8044** | Vertical Soldier -1100mm = 4 x0.75/100 '= 0.03 | each | 0.03 | 326.68 | 9.80 |
| **8045** | Wall Attached Bracket 600x1000mm '= 8 x0.75/100 = 006 | each | 0.06 | 871.16 | 52.27 |
| **8046** | Alignment Pipe - 3.00 Mtr. = 2 x0.75/100 '= 0.015 | each | 0.02 | 893.49 | 13.40 |
| **8047** | Alignment Bracket = 6 x0.75/100 = 0.045 | each | 0.05 | 418.83 | 18.85 |
| **8048** | Tie Rod for Bracket - 500mm '= 12 x0.75/100 = 0.09 | each | 0.09 | 100.52 | 9.05 |
| **8049** | Anchor Wing Nut Ø100 mm '= 17 x0.75/100 = 0.1275 | each | 0.13 | 55.84 | 7.12 |
| **8050** | Debit Pin - 250mm = 5 x0.75/100 = 0.0375 | each | 0.04 | 52.12 | 1.95 |
| **8051** | PVC Pipe Ø20mm - 150mm long '= 12 x0.75/100 = 0.09 | each | 0.09 | 4.65 | 0.42 |
| **8052** | PVC Cone = 10 x0.75/100 = 0.075 | each | 0.08 | 4.65 | 0.35 |
| **8053** | Bolt+Nut - 16 x 80 mm = 10 x0.75/100 '= 0.075 | each | 0.08 | 27.92 | 2.09 |
| **8054** | Flat Washer Ø16, 3mm thick '= 16 x0.75/100 = 0.12 | each | 0.12 | 4.65 | 0.56 |
| **8055** | Bolt+Nut - 16 x 30 mm = 50 x0.75/100 '= 0.375 | each | 0.38 | 16.75 | 6.28 |
| **8056** | Door Spacer 45x45x5 -1135mm Long '= 2 x0.75/100 = 0.015 | each | 0.02 | 316.45 | 4.75 |
| **8057** | Door Spacer 45x45x5 - 985mm long '= 2 x0.75/100 = 0.015 | each | 0.02 | 274.56 | 4.12 |
| | LABOUR | | | | |
| **116** | Fitter (grade 1) | day | 2.00 | 348.00 | 696.00 |
| **117** | Assistant Fitter or 2nd class Fitter | day | 2.00 | 305.00 | 610.00 |
| **114** | Beldar | day | 3.00 | 254.00 | 762.00 |
| **9999** | Shuttering oil | L.S. | 220.00 | 1.80 | 396.00 |
| **9999** | Cleaning of shuttering | L.S. | 440.00 | 1.80 | 792.00 |

| Code | Description | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | TOTAL | | | | 8467.17 |
| | Add 1 % Water charges | | | | 84.67 |
| | TOTAL | | | | 8551.84 (X) |
| | Add GST 12% on "X"( multiplying factor 0.1405) | | | | 1201.53 |
| | Total | | | | 9753.38 (Y) |
| | Add 15 % Contractor's profit and overheads on "Y" | | | | 1463.01 |
| | Cost for 76 sqm. | | | | 11216.38 |
| | Cost per sqm. | | | | 147.58 |
| | Add 1% labour cess | | | | 1.48 |
| | rate included labour cess | | | | 149.06 |
| | Say | | | | 149.10 |