



बिहार सरकार

BUILDING CONSTRUCTION DEPARTMENT

Schedule of Rates

VOLUME – 1

(Edition — Eighth)

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BUILDING CONSTRUCTION DEPARTMENT BIHAR

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RATE OF ITEMS VOLUME-1

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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) डब्ल्यू0 ई0 पटना दिनांक-05.06.2006 के आलोक में राज्यस्तरीय अनुसूचित दर निर्धारण समिति पथ निर्माण विभाग द्वारा अनुमोदित सामग्रियों का दर, श्रमदर एवं कार्य मदों के फारमेट के आधार पर भवन निर्माण विभाग के लिये डी0एस0आर0-2007-2013 (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, षष्ठम् संस्करण दिनांक-11.08.2013 एवं सप्तम संस्करण दिनांक-15.09.2014 से लागू किया गया था। राज्यस्तरीय अनुसूचित दर निर्धारण समिति द्वारा दिये गये सामग्रियों, श्रमदर के पुनरीक्षण एवं अन्य निर्णय के आलोक में दिनांक-15.09.2014 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 द्वारा अनुमोदित दरों के आधार पर दिनांक-17.10.2016 से प्रभावी अनुसूचित दर का अष्टम संस्करण तैयार किया गया है, जिसमें निम्नलिखित प्रावधान किये गये हैं:-

❖ 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) 54 अनु0 पटना, दिनांक-28.07.2016 के आलोक में सीमेंट, स्टील, श्रम दर एवं अन्य सामग्रियों के बेसिक दरों का पुनरीक्षण किया गया है, तदनुसार इन सामग्रियों से संबंधित कार्य मदों के दरों का भी पुनरीक्षण किया गया है।

❖ राज्य स्तरीय अनुसूचित दर निर्धारण समिति की दिनांक- 15.03.2016 को हुई बैठक में अनुमोदित ईट, स्टोनएग्रीगेट तथा बालू के बेसिक दर का पथ निर्माण विभाग के लिए दिनांक 01.04.2016 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-57 अनु0 दिनांक-01.08.2016 के आलोक में भवन निर्माण विभाग में व्यवहृत होनेवाले निर्माण सामग्रियों के बेसिक दर के पुनरीक्षण के फलस्वरूप संबंधित कार्यमदों के दर विश्लेषणों में इसका समावेश 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 एवं ग्रेनाईट संबंधी कार्य मदों का दर विश्लेषण तथा सामग्रियों के दर अनुमोदित कराकर इन कार्य मदों का भी समावेश पुनरीक्षित अनुसूचित दर में किया गया है ।

❖ पूर्व की भाँति प्रस्तुत अनुसूचित दर में भी सीमेंट एवं ईट का दर गया असैनिक प्रमंडल के लिए अनुमोदित दर जो कि वर्तमान में राज्यस्तरीय अनुसूचित दर निर्धारण समिति द्वारा अनुमोदित विभिन्न जोनों के लिए सीमेंट एवं ईट के दर में न्यूनतम है, को आधार मानकर अनुसूचित दर तैयार किया गया है।

❖ दर विश्लेषण में पोर्टलैंड स्लैग सिमेंट (पी0एस0सी0) का दर जो कि राज्य स्तरीय अनुसूचित दर निर्धारण समिति की दिनांक- 22.07.2016 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), ईट एवं स्टोन ऐग्रीगेट का दर श्रोत पर लिया 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) 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 दि0-27.04.2011 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।

- ❖ ईट, बालू, चीप्स आदि के लिए अधिकतम लीड एवं करैज 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-मु0नि0(पथ)02/06अंश-II 53 पटना, दिनांक-31.08.2015 के अनुसार TATA, SAIL, VIZAG एवं Shyam Steel Industries Ltd. का स्टील प्रयोग निर्माण कार्यों में किया जाना है, क्योंकि दर विश्लेषण में स्टील का दर इन चारों कम्पनियों द्वारा दिए गए कोटेशन के आधार पर लिया गया 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, ईट के निर्धारित दर का प्रयोग करेंगे और इसके अनुसार दर में अंतर की राशि को प्राक्कलन में जोड़ेगे या घटावेंगे।
- ❖ वर्तमान 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 वर्तमान 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 वर्तमान संस्करण को तैयार करने में तथा उसे प्रभावी बनाने में निम्नलिखित पदाधिकारियों का अथक परिश्रम एवं सहयोग रहा है जिसके लिए विभाग इनकी सराहना करती है।

1. श्री गिरीशानन्दन सिंह, अभियंता प्रमुख-सह-अपर आयुक्त-सह-विशेष सचिव के सचिव प्रावैधिक, भवन निर्माण विभाग, बिहार, पटना।
2. श्री राम बाबू प्रसाद, योजना अभियंता, (दक्षिण उपभाग), भवन निर्माण विभाग, बिहार, पटना।

राज्य अनुसूचित दर निर्धारण समिति के अध्यक्ष एवं सभी सदस्यों के साथ-साथ विभागीय पदाधिकारी श्री गिरीशानन्दन सिंह, मुख्य अभियंता(पटना), भवन निर्माण विभाग, बिहार, पटना, श्री सुनील कुमार, मुख्य अभियंता (निरूपण एवं दक्षिण उपभाग), भवन निर्माण विभाग, बिहार, पटना एवं श्री नवीन कुमार, मुख्य अभियंता (उत्तर उपभाग), भवन निर्माण विभाग, बिहार, को भी अनुसूचित दर पुस्तिका के पुनरीक्षण, सहयोग एवं सुझावों के लिए उनके प्रति आभार प्रगट किया जाता है। श्री अमृत लाल मीणा, प्रधान सचिव, भवन निर्माण विभाग, बिहार, पटना एवं श्री उमेश कुमार, विशेष 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 पुनरीक्षण अनुसूचित दर दिनांक-17.10.2016 से प्रभावी किया जाता है।


(राजेन्द्र प्रसाद चौधरी)

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

पत्रांक:- मु0 नि0 (पथ)-23/2007 (अश-II)

57 (अनु0)

/दिनांक:-

01/08/2016

प्रेषक,

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

सेवा में,

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

श्री 01/08/16

विषय:- वर्ष 2016-17 के लिये लागू की जाने वाली अनुसूचित दर के लिए भवन निर्माण कार्यों में प्रयुक्त होनेवाली विभिन्न सामग्रियों के दर निर्धारण पर राज्य स्तरीय अनुसूचित दर निर्धारण समिति द्वारा दिनांक-22.07.16 की बैठक में लिये गये निर्णय का प्रेषण।

प्रसंग:- आपका पत्रांक-5670 भ.(अनु0) दिनांक-15.06.16

महाशय,

उपरोक्त विषय एवं प्रासंगिक पत्र के संबंध में कहना है कि राज्य स्तरीय अनुसूचित दर निर्धारण समिति द्वारा भवन निर्माण विभाग, बिहार, पटना द्वारा प्रस्तावित वर्ष 2016-17 के लिये लागू की जाने वाली अनुसूचित दर हेतु भवन निर्माण कार्यों में प्रयुक्त होने वाले सामग्रियों का दर एवं बैठक में लिये गए निर्णय की प्रति आवश्यक कार्रवाई हेतु समर्पित की जाती है।

यदि नई स्वीकृत दरों में कोई त्रुटि या विसंगति परिलक्षित हो तो इसकी सूचना अधोहस्ताक्षरी को अविलम्ब देने की कृपा की जाय।

अनु0-(1) कार्यवाही की छाया प्रति- (एक प्रति)

(2) सामग्रियों का बेसिक दर सूची- (57 पृष्ठों में)

विश्वासभाजन

अधीक्षण अभियंता,
मुख्यालय निरूपण अंचल,
पथ निर्माण विभाग, बिहार, पटना।
01/08/16

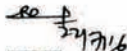
दिनांक- 22.07.2016 को आहूत राज्यस्तरीय अनुसूचित दर निर्धारण समिति की बैठक की कार्यवाही में लिये गये निर्णय ।

दिनांक- 22.07.2016 की बैठक में विचार-विमर्श हुआ जिसमें निम्नांकित निर्णय लिये गये:-


1. अभियंता प्रमुख-सह-अपर आयुक्त-सह विशेष सचिव, भवन निर्माण विभाग से प्राप्त वर्ष 2016-17 के लिए लागू की जानेवाली अनुसूचित दर के लिए भवन निर्माण कार्यों में प्रयुक्त होनेवाली सामग्रीयों के दर प्राप्त हुआ । उक्त दर पूर्व में वर्ष 2014 में भवन निर्माण विभाग द्वारा प्रकाशित अनुसूचित दर में अप्रैल, 2016 तक के सकल मूल्य सूचकांक के आधार पर तैयार किया गया है ।

विदित हो कि वर्ष 2014 में प्रकाशित अनुसूचित दर जून, 2014 के सकल मूल्य सूचकांक 182.6 पर आधारित था । अप्रैल, 2016 का सकल मूल्य सूचकांक 177.0 है । इस प्रकार सूचकांक में हुये परिवर्तन के आधार पर प्रस्ताव तैयार कर समर्पित किया गया है ।

भवन निर्माण विभाग के प्रस्ताव पर विमर्शोपरान्त 2016-17 के लिए विभिन्न भवन निर्माण के सामग्रीयों के दर को संलग्न विवरणी के अनुसार अनुमोदित करने का निर्णय लिया गया ।


सदस्य

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


सदस्य

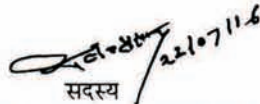
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख-सह-अपर आयुक्त-सह-विशेष सचिव, ग्रामीण कार्य विभाग,बिहार,पटना।

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 कं0 लि0,


सदस्य

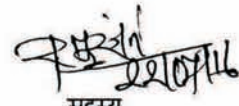
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियंता(विद्युत), भवन निर्माण विभाग, बिहार, पटना।


सदस्य

राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख तकनीकी परीक्षक 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(मध्य), 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।

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

पत्रांक:- मु0नि0(पथ)47 / 2014
प्रेषक,

54 (अनु०)

/दिनांक:- 28/07/2016

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,
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।

विषय:- राज्य स्तरीय अनुसूचित दर निर्धारण समिति द्वारा दिनांक-22.07.2016 की बैठक में लिये गये निर्णयानुसार श्रमदर, बिटुमेन, इम्लेशन, स्टील, एवं सीमेंट से संबंधित निर्माण सामग्रियों के दर की सूची के प्रेषण के संबंध में।

महाशय,

उपर्युक्त विषय के संबंध में कहना है कि दिनांक-22.07.2016 की बैठक में राज्य स्तरीय अनुसूचित दर निर्धारण समिति द्वारा अनुमोदित श्रमदर, बिटुमेन, इम्लेशन, स्टील एवं सीमेंट की पुनरीक्षित दर की सूची Schedule-I, Schedule-II, "M1", "M2", "M3A", "M3B", "M4", "M5", "M6", "M8", "M9", एवं "M10A की स्वीकृति संबंधित सूची एवं कार्यवाही की प्रति आवश्यक कार्रवाई हेतु संलग्न की जा रही है।

अनु०-यथोक्त।

विश्वासभाजन
अधीक्षण अभियंता,
मुख्यालय निरूपण अंचल,
पथ निर्माण विभाग, बिहार, पटना।
28/07/2016

राज्यस्तरीय अनुसूचित दर निर्धारण समिति की दिनांक-22.07.2016 की बैठक में निर्माण कार्य (सड़के, बाँध तथा सिंचाई कार्य) में नियोजित विभिन्न श्रेणी के मजदूरों का संशोधित न्यूनतम दैनिक मजदूरी के अनुमोदन हेतु लिये गये निर्णय :-

जनवरी 2015 से जून 2015 तक का औसत मूल्य सूचकांक श्रम संसाधन विभाग, बिहार सरकार के अधिसूचना सं0-3225 दिनांक-08.10.2015 के अनुसार 5843.42 है। जुलाई 2015 से दिसम्बर 2015 तक का औसत मूल्य सूचकांक 6090.70 है।

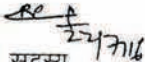
सूचकांक में वृद्धि = $6090.70 - 5843.42 = 247.28$

सूचकांक में प्रतिशत वृद्धि = $247.28 / 5843.42 \times 100 = 4.232\%$

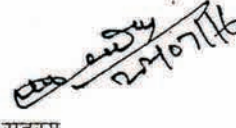
जनवरी 2015 से जून 2015 तक का औसत मूल्य सूचकांक पर आधारित न्यूनतम श्रम दर की सूची अनुसूची '1' एवं '2' के स्तम्भ-7 पर अंकित है। इसी स्तम्भ के अंकित दर में 4.232% की वृद्धि करनी है। तदनुसार स्तम्भ '8' में न्यूनतम श्रम दर की गणना कर अंकित कर दी गई है।

श्रम संसाधन विभाग, बिहार सरकार की अधिसूचना संख्या-1225, दिनांक-01.04.2016 के आलोक में अनुसूचित दर पुनरीक्षण हेतु उपरोक्त वृद्धि को सम्मिलित करते हुए निर्माण कार्य, सड़के, बाँध निर्माण तथा सिंचाई कार्य में नियोजित दैनिक मजदूरों के न्यूनतम दैनिक मजदूरी में संशोधन के लिए संलग्न अनुसूची-1 तथा 2 के स्तम्भ '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 जाने वाले समरूप कार्य के उपयोग में भी लाया जायेगा। विशेष जानकारी हेतु श्रम संसाधन विभाग, बिहार सरकार की अधिसूचना सं0-1225 दिनांक-01.04.2016 द्रष्टव्य।

अनु0-1 एवं 2


सदस्य

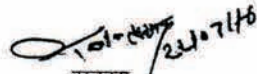
राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख, भवन निर्माण विभाग, बिहार, पटना।


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 (विद्युत), भवन निर्माण विभाग, बिहार, पटना

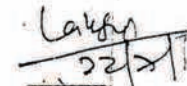

सदस्य
राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख तकनीकी परीक्षण कोषांग, निगम विभाग, बिहार, पटना


सदस्य

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


सदस्य

राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख(मध्य) जल संसाधन विभाग, बिहार, पटना।

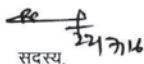

संयोजक

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

SCHEDULE - I		Date:- 22.07.2016					
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. 3303/04.10.13	Lab. Deptt. Noti. No. 1704/19.06.14	Lab. Deptt. Noti. No. 3350/13.11.14	Lab. Deptt. Noti. No. 998/31.03.15	Lab. Deptt. Noti. No. 3225/08.10.15	Lab. Deptt. Noti. No. 1225/01.04.16
1	2	3	4(1.0591Xc3)	5(1.00907xc4)	6(1.0491xc5)	7(1.01252xc6)	8(1.04232xc7)
1	Unskilled labour	176.00	184.00	186.00	194.00	197.00	206.00
2	Sweeper	176.00	184.00	186.00	194.00	197.00	206.00
3	Mistry	176.00	184.00	186.00	194.00	197.00	206.00
4	Cleaner	176.00	184.00	186.00	194.00	197.00	206.00
5	Helper	176.00	184.00	186.00	194.00	197.00	206.00
6	Khalsi/Chainman	176.00	184.00	186.00	194.00	197.00	206.00
7	Marker	223.00	236.00	238.00	250.00	253.00	264.00
8	Fitter grade-I	240.00	254.00	256.00	269.00	272.00	284.00
	Fitter grade-II	211.00	223.00	225.00	236.00	239.00	249.00
9	Turner	211.00	223.00	225.00	236.00	239.00	249.00
10	Mechanic grade-I	273.00	289.00	292.00	306.00	310.00	323.00
	Mechanic grade-II	253.00	268.00	270.00	283.00	287.00	299.00
11	Electrician grade-I	224.00	237.00	239.00	251.00	254.00	265.00
	Electrician grade-II	211.00	223.00	225.00	236.00	239.00	249.00
12	Lineman/Wireman	205.00	217.00	219.00	230.00	233.00	243.00
13	Chargeman	253.00	268.00	270.00	283.00	287.00	299.00
14	Foreman	299.00	317.00	320.00	336.00	340.00	354.00
15	Welder grade-I	265.00	281.00	284.00	298.00	302.00	315.00
	Welder grade-II	224.00	237.00	239.00	251.00	254.00	265.00
16	Glazier	197.00	209.00	211.00	221.00	224.00	233.00
17	Carpenter	211.00	223.00	225.00	236.00	239.00	249.00
18	Head Carpenter	237.00	251.00	253.00	265.00	268.00	279.00
19	Checker	213.00	226.00	228.00	239.00	242.00	252.00
20	Hammerman	185.00	196.00	198.00	208.00	211.00	220.00
21	Tin smith	240.00	254.00	256.00	269.00	272.00	284.00
22	Tin plate maker	253.00	268.00	270.00	283.00	287.00	299.00
23	Black Smith	211.00	223.00	225.00	236.00	239.00	249.00
24	Head black smith	237.00	251.00	253.00	265.00	268.00	279.00
25	Tile layer	187.00	198.00	200.00	210.00	213.00	222.00
26	Thatcher	187.00	198.00	200.00	210.00	213.00	222.00
27	Plumber	224.00	237.00	239.00	251.00	254.00	265.00
28	Grader	213.00	226.00	228.00	239.00	242.00	252.00
29	Road binder	197.00	209.00	211.00	221.00	224.00	233.00
30	Mason	211.00	223.00	225.00	236.00	239.00	249.00
31	Head Mason	237.00	251.00	253.00	265.00	268.00	279.00
32	Stone layer	211.00	223.00	225.00	236.00	239.00	249.00
33	Tarman	185.00	196.00	198.00	208.00	211.00	220.00
34	Fireman	187.00	198.00	200.00	210.00	213.00	222.00
35	Grinder	211.00	223.00	225.00	236.00	239.00	249.00
36	Gas cutter	223.00	236.00	238.00	250.00	253.00	264.00
37	Rigger	213.00	226.00	228.00	239.00	242.00	252.00
38	Sarang	253.00	268.00	270.00	283.00	287.00	299.00
39	Chipper-cum-rivetter	223.00	236.00	238.00	250.00	253.00	264.00
40	Tractor operator	253.00	268.00	270.00	283.00	287.00	299.00
41	Dozer operator grade-I	299.00	317.00	320.00	336.00	340.00	354.00
	Dozer operator grade-II	265.00	281.00	284.00	298.00	302.00	315.00
42	Dumper operator	254.00	269.00	271.00	284.00	288.00	300.00
43	Vibrator Operator	196.00	208.00	210.00	220.00	223.00	232.00
44	Pump driver grade-I	224.00	237.00	239.00	251.00	254.00	265.00
	Pump driver grade-II	211.00	223.00	225.00	236.00	239.00	249.00
45	Dragline operator grade-I	299.00	317.00	320.00	336.00	340.00	354.00
	Dragline operator grade-II	265.00	281.00	284.00	298.00	302.00	315.00
46	Concrete mixer operator grade-I	224.00	237.00	239.00	251.00	254.00	265.00
	Concrete mixer operator grade-II	211.00	223.00	225.00	236.00	239.00	249.00

SCHEDULE - I		Date:- 22 .07.2016					
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. 3303 /04.10.13	Lab. Deptt. Noti. No. 1704 /19.06.14	Lab. Deptt. Noti. No. 3350/ 13.11.14	Lab. Deptt. Noti. No. 998/ 31.03.15	Lab. Deptt. Noti. No. 3225/ 08.10.15	Lab. Deptt. Noti. No. 1225/ 01.04.16
1	2	3	4(1.0591Xc13)	5(1.00907xc14)	6(1.0491xc15)	7(1.01252xc16)	8(1.04232xc17)
47	Compressor operator grade-I	224.00	237.00	239.00	251.00	254.00	265.00
	Compressor operator grade-II	211.00	223.00	225.00	236.00	239.00	249.00
48	Earth excavator						
	(a) For every 110 cu. ft for soft earth	174.00	186.00	188.00	197.00	199.00	207.00
	(b) For every 100 cu. ft for hard earth	174.00	186.00	188.00	197.00	199.00	207.00
	(c) For every 90 cu. ft for highly hard earth	174.00	186.00	188.00	197.00	199.00	207.00
49	Truck driver	253.00	268.00	270.00	283.00	287.00	299.00
50	Car/Jeep driver	223.00	236.00	238.00	250.00	253.00	264.00
51	Crane operator grade-I	299.00	317.00	320.00	336.00	340.00	354.00
	Crane operator grade-II	265.00	281.00	284.00	298.00	302.00	315.00
52	Winch operator	224.00	237.00	239.00	251.00	254.00	265.00
53	Road roller driver	305.00	323.00	326.00	342.00	346.00	361.00
54	Blaster	294.00	311.00	314.00	329.00	333.00	347.00
55	Painter grade-I	224.00	237.00	239.00	251.00	254.00	265.00
56	Polisher	187.00	198.00	200.00	210.00	213.00	222.00
57	Peon / Darvan / Choukidar	185.00	196.00	198.00	208.00	211.00	220.00
58	Clerk / Typist / Typist clerk	209.00	221.00	223.00	234.00	237.00	247.00
59	Time keeper	209.00	221.00	223.00	234.00	237.00	247.00
60	Store Assistant / Storeman	227.00	240.00	242.00	254.00	257.00	268.00
61	Store head	214.00	227.00	229.00	240.00	243.00	253.00
62	Material chaser	214.00	227.00	229.00	240.00	243.00	253.00
63	Mate and Road mate	187.00	198.00	200.00	210.00	213.00	222.00
64	Munshi	196.00	208.00	210.00	220.00	223.00	232.00
65	Work Supervisor	197.00	209.00	211.00	221.00	224.00	233.00
66	Amin	209.00	221.00	223.00	234.00	237.00	247.00
67	Surveyer	213.00	226.00	228.00	239.00	242.00	252.00
68	Supervisory diploma holder	285.00	302.00	305.00	320.00	324.00	338.00
69	Supervisory non-diploma holder	211.00	223.00	225.00	236.00	239.00	249.00
70	Any other category of semi-skilled workers not mentioned above	184.00	192.00	194.00	203.00	206.00	215.00
71	Any other category of skilled workers not mentioned above	225.00	234.00	236.00	247.00	251.00	262.00
72	Highly skilled labour	273.00	285.00	288.00	301.00	306.00	319.00

Note :- The above rates has been calculated as 4.232 % increase in Labour Dept. Notification No. 1225 Dtd. 01.04.2016 i.e (1.04232 * 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,

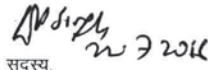
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-मुख्य अभियंता (असैठ),
बिहार स्टेट पावर होल्डिंग कंपनी लिमिटेड, बिहार,
पटना।


सदस्य,

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

सदस्य,

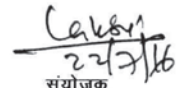
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख,
तकनीकी परीक्षण कोषांग,
निगरानी विभाग, बिहार, पटना।


सदस्य,

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

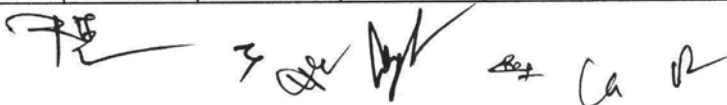

सदस्य,

राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख(मध्य),
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		Dt:-22.07.2016					
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. 3303/ 04.10.13	Lab. Deptt. Noti. No. 1704/ 19.06.14	Lab. Deptt. Noti. No. 3350/ 13.11.14	Lab. Deptt. Noti. No. 998/ 31.03.15	Lab. Deptt. Noti. No. 3225/ 08.10.15	Lab. Deptt. Noti. No. 1225/ 01.04.16
1	2	3	4(1.0591xcl3)	5(1.00907xcl4)	6(1.0491xcl5)	7(1.01252xcl6)	8(1.04232xcl7)
1	Unskilled labour	176.00	184.00	186.00	194.00	197.00	206.00
2	Male	190.00	201.00	203.00	213.00	216.00	225.00
3	Head Mason	237.00	251.00	253.00	265.00	268.00	279.00
4	Mason	211.00	223.00	225.00	236.00	239.00	249.00
5	Printer Class-I	224.00	237.00	239.00	251.00	254.00	265.00
6	Printer Class-II	211.00	223.00	225.00	236.00	239.00	249.00
7	Head Carpenter	237.00	251.00	253.00	265.00	268.00	279.00
8	Carpenter	211.00	223.00	225.00	236.00	239.00	249.00
9	Head black smith	237.00	251.00	253.00	265.00	268.00	279.00
10	Black Smith	211.00	223.00	225.00	236.00	239.00	249.00
11	Glazier	187.00	198.00	200.00	210.00	213.00	222.00
12	Stone Dresser	224.00	237.00	239.00	251.00	254.00	265.00
13	Water Carrier	174.00	186.00	188.00	197.00	199.00	207.00
14	Fitter Class-I	240.00	254.00	256.00	269.00	272.00	284.00
15	Fitter Class-II	211.00	223.00	225.00	236.00	239.00	249.00
16	Helper	185.00	196.00	198.00	208.00	211.00	220.00
17	Hammer man	185.00	196.00	198.00	208.00	211.00	220.00
18	Bellowman	174.00	186.00	188.00	197.00	199.00	207.00
19	Road Roller Driver	305.00	323.00	326.00	342.00	346.00	361.00
20	Concrete Mixer Operator, Class-I	224.00	237.00	239.00	251.00	254.00	265.00
21	Concrete Mixer Operator, Class-II	211.00	223.00	225.00	236.00	239.00	249.00
22	Stone Crusher Driver, Class-I	224.00	237.00	239.00	251.00	254.00	265.00
23	Stone Crusher Driver, Class-II	211.00	223.00	225.00	236.00	239.00	249.00
24	Truck Driver	253.00	268.00	270.00	283.00	287.00	299.00
25	Compressor Operator, Class-I	224.00	237.00	239.00	251.00	254.00	265.00
26	Compressor Operator, Class-II	211.00	223.00	225.00	236.00	239.00	249.00
27	Pump Driver, Class-I	224.00	237.00	239.00	251.00	254.00	265.00
28	Pump Driver, Class-II	211.00	223.00	225.00	236.00	239.00	249.00
29	Concrete Mixer Attendant	185.00	196.00	198.00	208.00	211.00	220.00
30	Cleaner or Oilman	179.00	190.00	192.00	201.00	204.00	213.00
31	TarBoiler Man	211.00	223.00	225.00	236.00	239.00	249.00
32	Plumber	224.00	237.00	239.00	251.00	254.00	265.00
33	Thatcher	187.00	198.00	200.00	210.00	213.00	222.00
34	Khalasi / Chainman	187.00	198.00	200.00	210.00	213.00	222.00
35	Sweeper	179.00	190.00	192.00	201.00	204.00	213.00
36	Watchamn	179.00	190.00	192.00	201.00	204.00	213.00
37	Stone Breaker	179.00	190.00	192.00	201.00	204.00	213.00
38	Work Sarker	197.00	209.00	211.00	221.00	224.00	233.00
39	Time Keeper	209.00	221.00	223.00	234.00	237.00	247.00
40	Welder, Grade-I	265.00	281.00	284.00	298.00	302.00	315.00
41	Welder, Grade-I	224.00	237.00	239.00	251.00	254.00	265.00
42	Wireman/Lineman	205.00	217.00	219.00	230.00	233.00	243.00
43	Mechanic, Grade-I	273.00	289.00	292.00	306.00	310.00	323.00
44	Mechanic, Grade-II	253.00	268.00	270.00	283.00	287.00	299.00
45	Sarang	253.00	268.00	270.00	283.00	287.00	299.00
46	Drill Operator	211.00	223.00	225.00	236.00	239.00	249.00
47	Tractor Operator	253.00	268.00	270.00	283.00	287.00	299.00
48	Gauge Reader-cum-silt Observer	185.00	196.00	198.00	208.00	211.00	220.00
49	Crane Operator, Grade-I	299.00	317.00	320.00	336.00	340.00	354.00
50	Crane Operator, Grade-II	265.00	281.00	284.00	298.00	302.00	315.00
51	Dragline / Scraper / Showel Operator	299.00	317.00	320.00	336.00	340.00	354.00
52	Dragline/Scraper/Showel Operator	265.00	281.00	284.00	298.00	302.00	315.00
53	Dumper Operator	254.00	269.00	271.00	284.00	288.00	300.00
54	Foreman	299.00	317.00	320.00	336.00	340.00	354.00



SCHEDULE - II		Dt:- 22.07.2016					
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. 3303/ 04.10.13	Lab. Deptt. Noti. No. 1704/ 19.06.14	Lab. Deptt. Noti. No. 3350/ 13.11.14	Lab. Deptt. Noti. No. 998/ 31.03.15	Lab. Deptt. Noti. No. 3225/ 08.10.15	Lab. Deptt. Noti. No. 1225/ 01.04.16
1	2	3	4(1.0591xcl3)	5(1.00907xcl4)	6(1.0491xcl5)	7(1.01252xcl6)	8(1.04232xcl7)
55	Junior Forman	265.00	281.00	284.00	298.00	302.00	315.00
56	Chargeman	254.00	269.00	271.00	284.00	288.00	300.00
57	Electrician, Grade-I	224.00	237.00	239.00	251.00	254.00	265.00
58	Electrician, Grade-II	211.00	223.00	225.00	236.00	239.00	249.00
59	Electrician, Grade-III	185.00	196.00	198.00	208.00	211.00	220.00
60	Turner	211.00	223.00	225.00	236.00	239.00	249.00
61	Compounder	211.00	223.00	225.00	236.00	239.00	249.00
62	Supervisor / (Diploma holder)	285.00	302.00	305.00	320.00	324.00	338.00
63	Surveyer / Supervisor	211.00	223.00	225.00	236.00	239.00	249.00
64	Blue Printer	185.00	196.00	198.00	208.00	211.00	220.00
65	Tracer	185.00	196.00	198.00	208.00	211.00	220.00
66	Vibrator Operator	196.00	208.00	210.00	220.00	223.00	232.00
67	Clerk / Typist / Typist Clerk	209.00	221.00	223.00	234.00	237.00	247.00
68	Earth Excavator,						
	(a) For every 110 cubic feet of soft	174.00	186.00	188.00	197.00	199.00	207.00
	(b) For every 100 cubic feet of hard	174.00	186.00	188.00	197.00	199.00	207.00
	(c) For every 90 cubic feet of highly	174.00	186.00	188.00	197.00	199.00	207.00
69	Any other category of semi-skilled workers not mentioned above	184.00	192.00	194.00	203.00	206.00	215.00
70	Any other category of skilled workers not mentioned above	225.00	234.00	236.00	247.00	251.00	262.00
71	Highly skilled labour	273.00	285.00	288.00	301.00	306.00	319.00

Note :- The above rates has been calculated as 4.232% increase in Labour Department Notification No. 1225 Dtd. 01.04.2016 i.e (1.04232 * column 7).

सदस्य,
22/7/16
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख,
भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
22/7/16
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 (असौ),
बिहार स्टेट पावर होल्डिंग कंपनी लिमिटेड, बिहार,
पटना।

सदस्य,
22/7/16
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-मुख्य अभियंता(विद्युत),
भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
22/7/2016
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख,
तकनीकी परीक्षण कोषांग, निगरानी विभाग,
बिहार, पटना।

सदस्य,
22/7/16
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख,
लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना।

सदस्य,
22/7/16
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख(मध्य),
जल संसाधन विभाग, बिहार, पटना।

संयोजक,
22/7/16
राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख सह-अपर
आयुक्त-सह-विशेष सचिव,
पथ निर्माण विभाग, बिहार, पटना।

Schedule : M1

Date: 22.07.16

List of Rates of Ordinary Portland Cement approved by State Level Schedule Rate Committee for the year 2016 - 17 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MORT&H Specifications.

Rates are inclusive of Excise Duty, Cess etc. but exclusive of VAT/Sales Tax, Contractor's profit & Overhead charges.

Sl. No.	Name & Description of Material	Unit	Zones	Approved Rate	
				in figure (₹)	in words
1	2	3	4	5	6
1	Ordinary Portland Cement (O.P.C. - 43 Grade)	Per bag of 50 Kg	Patna	265.10	Rupees Two Hundred Sixty Five and Paise Ten Only
			Muzaffarpur	265.10	Rupees Two Hundred Sixty Five and Paise Ten Only
			Darbhanga	265.10	Rupees Two Hundred Sixty Five and Paise Ten Only
			Bhagalpur	261.10	Rupees Two Hundred Sixty One and Paise Ten Only
			Munger	261.10	Rupees Two Hundred Sixty One and Paise Ten Only
			Saharsa	265.10	Rupees Two Hundred Sixty Five and Paise Ten Only
			Purnea	265.10	Rupees Two Hundred Sixty Five and Paise Ten Only
			Gaya	251.10	Rupees Two Hundred Fifty One and Paise Ten Only
			Saran	260.80	Rupees Two Hundred Sixty and Paise Eighty Only

Note:- The above rate of cement is exclusive of 14.5% VAT.

सदस्य,
22/7/16

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

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

सदस्य,
22/7/16

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

सदस्य,
22/7/16

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

सदस्य,
22/7/16

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

सदस्य,
22/7/16

राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख (मध्य),
जल संसाधन विभाग, बिहार, पटना।

सदस्य,

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

सदस्य,
22/7/16

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

संयोजक,
22/7/16

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

Schedule : M2

Date: 22.07.16

List of Rates of Ordinary Portland Cement approved by State Level Schedule Rate Committee for the year 2016- 17 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MORT&H Specifications.

Rates are inclusive of Excise Duty, Cess etc, but exclusive of VAT/Sales Tax, Contractor's profit & Overhead charges.

Sl. No.	Name & Description of Material	Unit	Zones	Approved Rate	
				in figure (₹)	in words
1	2	3	4	5	6
1	Ordinary Portland Cement (O.P.C. - 33 Grade)	Per bag of 50 Kg	Patna	235.10	Rupees Two Hundred Thirty Five and Paise Ten Only
			Muzaffarpur	238.40	Rupees Two Hundred Thirty Eight and Paise Forty Only
			Darbhanga	246.20	Rupees Two Hundred Forty Six and Paise Twenty Only
			Bhagalpur	246.20	Rupees Two Hundred Forty Six and Paise Twenty Only
			Munger	246.20	Rupees Two Hundred Forty Six and Paise Twenty Only
			Saharsa	254.30	Rupees Two Hundred Fifty Four and Paise Thirty Only
			Purmea	254.30	Rupees Two Hundred Fifty Four and Paise Thirty Only
			Gaya	222.60	Rupees Two Hundred Twenty Two and Paise Sixty Only
			Saran	238.40	Rupees Two Hundred Thirty Eight and Paise Forty Only

Note:- The above rate of cement is exclusive of 14.5% VAT.

सदस्य,
22/7/16
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 (असो), बिहार स्टेट पावर होल्डिंग कंपनी लिमिटेड, बिहार, पटना।

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

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

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

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

Schedule : M3A

Date: 22.07.16

List of Rates of Portland Pozzolana Cement received from different Companies for the approval of State Level Schedule Rate Committee for the year 2016 - 17 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MORT&H Specifications. Rates are inclusive of Excise Duty, Cess etc. but exclusive of VAT/Sales Tax, Contractor's profit & Overhead charges.

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	235.10	Rupees Two Hundred Thirty Five and Paise Ten Only
			Muzaffarpur	235.10	Rupees Two Hundred Thirty Five and Paise Ten Only
			Darbhanga	239.00	Rupees Two Hundred Thirty Nine and Paise Zero Only
			Bhagalpur	235.10	Rupees Two Hundred Thirty Five and Paise Ten Only
			Munger	232.80	Rupees Two Hundred Thirty Two and Paise Eighty Only
			Saharsa	239.00	Rupees Two Hundred Thirty Nine and Paise Zero Only
			Purnea	239.00	Rupees Two Hundred Thirty Nine and Paise Zero Only
			Gaya	206.70	Rupees Two Hundred Six and Paise Seventy Only
			Saran	229.80	Rupees Two Hundred Twenty Nine and Paise Eighty Only

Note:- The above rate of cement is exclusive of 14.5% VAT.

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 (असरो), 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 (मक्य), 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: 22.07.16

List of Rates of Portland Slag Cement received from different Companies for the approval of State Level Schedule Rate Committee for the year 2016 - 17 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MORT & H Specifications.

Rates are inclusive of Excise Duty, Cess etc. but exclusive of VAT/Sales Tax, Contractor's profit & Overhead charges.

Sl. No.	Name & Description of Material	Unit	Zones	Approved Rate	
				in figure (₹)	in words
1	Portland Slag Cement (P.S.C.)	Per bag of 50 Kg	Patna	282.20	Rupees Two Hundred Eighty Two and Paise Twenty Only
			Muzaffarpur	282.20	Rupees Two Hundred Eighty Two and Paise Twenty Only
			Darbhanga	282.20	Rupees Two Hundred Eighty Two and Paise Twenty Only
			Bhagalpur	282.20	Rupees Two Hundred Eighty Two and Paise Twenty Only
			Munger	271.20	Rupees Two Hundred Seventy One and Paise Twenty Only
			Saharsa	282.20	Rupees Two Hundred Eighty Two and Paise Twenty Only
			Purnea	282.20	Rupees Two Hundred Eighty Two and Paise Twenty Only
			Gaya	270.10	Rupees Two Hundred Seventy and Paise Ten Only
			Saran	277.90	Rupees Two Hundred Seventy Seven and Paise Ninety Only

Note:- The above rate of cement is exclusive of 14.5% VAT.

सदस्य,
22/7/16
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह- अभियंता प्रमुख, मदन 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 (असैल), बिहार स्टेट पावर होल्डिंग कंपनी लिमिटेड, बिहार, पटना।

सदस्य,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति, -सह-मुख्य अभियंता (विद्युत), मदन 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 (कच्य), 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: 22.07.16

List of Rates of Different Grades of Bitumen approved by State Level Schedule Rate Committee for the year 2016 - 17 for the preparation of Schedule of Rates only. Materials should confirm to relevant BIS/IRC/MORT&H Specifications.

Rates are inclusive of Excise Duty etc. but exclusive of VAT/Sales Tax, Contractor's profit and Overhead charges.

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		
	(v)Ex. Muzaffarpur	Per MT		
	(vi) Ex. Gaya	Per MT		
2	Bitumen Grade VG-30(60/70) Packed			
	(i)Ex.Barauni	Per MT	32412.50	Rupees Thirty Two Thousand Four Hundred Twelve and Paise Fifty Only
	(ii) Ex. Gaya	Per MT	32275.70	Rupees Thirty Two Thousand Two Hundred Seventy Five and Paise Seventy Only
	(vi) Ex. Patna	Per MT	32500.80	Rupees Thirty Two Thousand Five Hundred and Paise Eighty Only
	(vii) Ex. Muzaffarpur	Per MT	32785.80	Rupees Thirty Two Thousand Seven Hundred Eighty Five and Paise Eighty Only
3	Bitumen Grade VG-10(80/100) Packed			
	(i) Ex. Barauni	Per MT	31500.50	Rupees Thirty One Thousand Five Hundred and Paise Fifty Only
	(ii) Ex. Gaya	Per MT	31363.70	Rupees Thirty One Thousand Three Hundred Sixty Three and Paise Seventy Only
	(vi) Ex. Patna	Per MT	31588.80	Rupees Thirty One Thousand Five Hundred Eighty Eight and Paise Eighty Only
	(vii) Ex. Muzaffarpur	Per MT	31873.80	Rupees Thirty One Thousand Eight Hundred Seventy Three and Paise Eighty Only
4	Bitumen Grade VG-30(60/70) Bulk			
	(ii) Ex. Barauni	Per MT	24976.26	Rupees Twenty Four Thousand Nine Hundred Seventy Six and Paise Twenty Six Only
5	Bitumen Grade VG-10(80/100) Bulk			
	(ii) Ex. Barauni	Per MT	26279.30	Rupees Twenty Six Thousand Two Hundred Seventy Nine and Paise Thirty Only
6	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		
	(vi) CRMB-55 Packed Ex. Barauni	Per MT	34829.30	Rupees Thirty Four Thousand Eight Hundred Twenty Nine and Paise Thirty Only
	(viii) CRMB-55 Packed Ex. Gaya	Per MT	36505.10	Rupees Thirty Six Thousand Five Hundred Five and Paise Ten Only
	(ix) CRMB-55 Packed Ex. Patna	Per MT	34917.60	Rupees Thirty Four Thousand Nine Hundred Seventeen and Paise Sixty Only
	(x) CRMB-55 Packed Ex. Muzaffarpur	Per MT	37015.20	Rupees Thirty Seven Thousand Fifteen and Paise Twenty Only
	(xi) CRMB-60 Packed Ex. Barauni	Per MT		
	(xiii) CRMB-60 Packed Ex. Patna	Per MT	36274.20	Rupees Thirty Six Thousand Two Hundred Seventy Four and Paise Twenty Only
	(xiv) CRMB-60 Packed Ex. Muzaffarpur	Per MT	36559.20	Rupees Thirty Six Thousand Five Hundred Fifty Nine and Paise Twenty Only
	(xv) CRMB-60 Packed Ex. Gaya	Per MT	36049.10	Rupees Thirty Six Thousand Forty Nine and Paise Ten Only
7	Emulsion			
	(i) Packed MS Grade (Paharpur) 200KG Drum	Per MT	27871.20	Rupees Twenty Seven Thousand Eight Hundred Seventy One and Paise Twenty Only

सदस्य,
22/7/16

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

सदस्य,
22/7/16

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

सदस्य,
22/7/16

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

सदस्य,
22/7/16

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

सदस्य,
22/7/16

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

सदस्य,
22/7/16

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

सदस्य,
22/7/16

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

सदस्य,
22/7/16

राज्यस्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख (कय),
जल संसाधन विभाग, बिहार, पटना।

संयोजक,
22/7/16

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

Schedule : M5

Date: 22.07.16

Approved new rate of G.C. Sheet by State Level Schedule Rate Committee for the year 2016 - 17 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MORT & H Specifications.

Rates are inclusive of Excise Duty, Cess etc. but exclusive of VAT/Sales Tax, Contractor's profit and Overhead charges.

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	45980.00	Rupees Forty Five Thousand Nine Hundred Eighty and Paise Zero Only
2	0.50	Per MT	47690.00	Rupees Forty Seven Thousand Six Hundred Ninety and Paise Zero Only
3	0.40	Per MT	64827.05	Rupees Sixty Four Thousand Eight Hundred Twenty Seven and Paise Five Only
3	0.35	Per MT	66345.15	Rupees Sixty Six Thousand Three Hundred Forty Five and Paise Fifteen Only

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

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

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

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख (मध्य),
जल संसाधन 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-अभियंता प्रमुख, तकनीकी परीक्षण कोषांग,
निगरानी विभाग, बिहार, पटना।

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

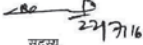
Schedule : M6


Date: 22.07.16

Approved rate of Steel - Wire Rod in Coil by State Level Schedule Rate Committee for the year 2016 - 17 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MORT&H Specifications.

Rates are inclusive of Excise Duty, Cess etc. but exclusive of VAT/Sales Tax, Contractor's profit and Overhead charges.

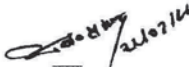
Sl. No.	Name & Description of Material	Unit	Approved Rate	
			in figure (₹)	in words
1	2	3	4	5
Wire Rod in Coil				
1	5.5 mm	Per MT	34350.00	Rupees Thirty Four Thousand Three Hundred Fifty and Paise Zero Only
2	6.0 mm	Per MT	34200.00	Rupees Thirty Four Thousand Two Hundred and Paise Zero Only
3	6.5 mm	Per MT	34050.00	Rupees Thirty Four Thousand Fifty and Paise Zero Only
4	7.0 mm	Per MT	33900.00	Rupees Thirty Three Thousand Nine Hundred and Paise Zero Only
5	8.0 mm	Per MT	33750.00	Rupees Thirty Three Thousand Seven Hundred Fifty and Paise Zero Only
6	10.0 mm	Per MT	34350.00	Rupees Thirty Four Thousand Three Hundred Fifty and Paise Zero Only
7	12.0/12.7 mm	Per MT	34350.00	Rupees Thirty Four Thousand Three Hundred Fifty and Paise Zero Only

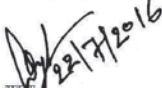

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख,
भवन निर्माण विभाग, बिहार, पटना।

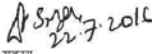

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख,
ग्रामीण कार्य विभाग, बिहार, पटना।


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


सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-मुख्य अभियंता (असरी), 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 कोष,
निगसानी 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 (मध्य),
जल ससाधान विभाग, बिहार, पटना।


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

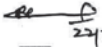
Schedule : M8


Date: 22.07.16

Approved rate of Steel Channel by State Level Schedule Rate Committee for the year 2016 - 17 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MORT&H Specifications.

Rates are inclusive of Excise Duty, Cess etc. but exclusive of VAT/Sales Tax, Contractor's profit and Overhead charges.

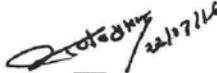
Sl. No.	Name & Description of Material	Unit	Approved Rate	
			in figure (₹)	in words
1	2	3	4	5
	STEEL CHANNEL			
1	Channel 100 x 50	Per MT	31850.00	Rupees Thirty One Thousand Eight Hundred Fifty and Paise Zero Only
2	Channel 125 x 65	Per MT	31850.00	Rupees Thirty One Thousand Eight Hundred Fifty and Paise Zero Only
3	Channel 150 x 75	Per MT	31850.00	Rupees Thirty One Thousand Eight Hundred Fifty and Paise Zero Only

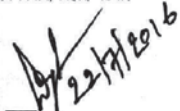

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख,
भवन निर्माण विभाग, बिहार, पटना।

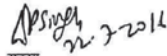

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख,
ग्रामीण कार्य विभाग, बिहार, पटना।

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

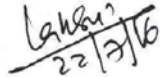
सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-मुख्य अभियंता (अर्थी), बिहार स्टेट पावर
होल्डिंग कंपनी लिमिटेड, बिहार, पटना।


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 कोषाध्य,
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 (मध्य),
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।

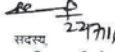
Schedule : M9

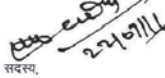
Date: 22.07.16

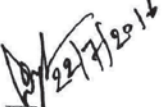
Approved rate of Steel Angles by State Level Schedule Rate Committee for the year 2016 - 17 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MORT&H Specifications.

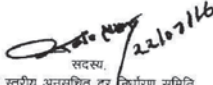
Rates are inclusive of Excise Duty, Cess etc. but exclusive of VAT/Sales Tax, Contractor's profit and Overhead charges.

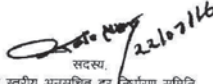
Sl. No.	Name & Description of Material	Unit	Approved Rate	
			in figure (₹)	in words
1	2	3	4	5
	STEEL ANGLES			
1	75 x 75 x 6	Per MT	31350.00	Rupees Thirty One Thousand Three Hundred Fifty and Paise Zero Only
2	80 x 80 x 8 /10/12	Per MT	31350.00	Rupees Thirty One Thousand Three Hundred Fifty and Paise Zero Only
3	90 x 90 x 6/8	Per MT	31350.00	Rupees Thirty One Thousand Three Hundred Fifty and Paise Zero Only
4	100 x 100 x 8/10/12	Per MT	31350.00	Rupees Thirty One Thousand Three Hundred Fifty and Paise Zero Only
5	110 x 110 x 8/10/12	Per MT	31350.00	Rupees Thirty One Thousand Three Hundred Fifty and Paise Zero Only
6	130 x 130 x 10/12	Per MT	31350.00	Rupees Thirty One Thousand Three Hundred Fifty and Paise Zero Only
7	150 x 150 x 12/16/20	Per MT	31350.00	Rupees Thirty One Thousand Three Hundred Fifty and Paise Zero Only
8	200 x 200 x 16/18/20	Per MT	31350.00	Rupees Thirty One Thousand Three Hundred Fifty and Paise Zero Only

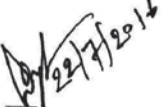

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख,
भवन निर्माण विभाग, बिहार, पटना।

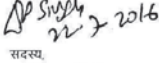

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख,
ग्रामीण कार्य विभाग, बिहार, पटना।



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

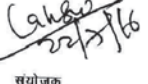

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति
-सह-मुख्य अभियंता (असै), बिहार स्टेट पावर
होल्डिंग कंपनी लिमिटेड, बिहार, पटना।


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 (मध्य),
जल संस्रामन विभाग, बिहार, पटना।


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

Schedule : M10A

Date: 22.07.16

Approved rate of Steel - TMT BARS (Fe 500) State Level Schedule Rate Committee for the year 2016- 17 (for Preparation of Schedule of Rates only) - Materials should conform to relevant BIS/IRC/MORT&H Specifications.

Rates are inclusive of Excise Duty, Cess etc. but exclusive of VAT/Sales Tax, Contractor's profit and Overhead charges.

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	35100.00	Rupees Thirty Five Thousand One Hundred and Paise Zero Only
2	TMT Fe 500 -10 mm	Per MT	34100.00	Rupees Thirty Four Thousand One Hundred and Paise Zero Only
3	TMT Fe 500 -12 mm	Per MT	33600.00	Rupees Thirty Three Thousand Six Hundred and Paise Zero Only
4	TMT Fe 500 -16 mm	Per MT	33850.00	Rupees Thirty Three Thousand Eight Hundred Fifty and Paise Zero Only
5	TMT Fe 500 -20 mm	Per MT	33300.00	Rupees Thirty Three Thousand Three Hundred and Paise Zero Only
6	TMT Fe 500 -25 mm	Per MT	33300.00	Rupees Thirty Three Thousand Three Hundred and Paise Zero Only
7	TMT Fe 500 -28 mm	Per MT	33300.00	Rupees Thirty Three Thousand Three Hundred and Paise Zero Only
8	TMT Fe 500 -32 mm	Per MT	33300.00	Rupees Thirty Three Thousand Three Hundred and Paise Zero Only

सदस्य,
22/7/16
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख, भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
22/7/16
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना।

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

सदस्य,
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख, होलिंग कंपनी लिमिटेड, बिहार, पटना।

सदस्य,
22/7/16
राज्य स्तरीय अनुसूचित दर निर्धारण समिति, सह-अभियंता प्रमुख (विद्युत) भवन निर्माण विभाग, बिहार, पटना।

सदस्य,
22/7/2016
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख, तकनीकी परीक्षण कोषांग, निगरानी विभाग, बिहार, पटना।

सदस्य,
22/7/16
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख, लोक स्वास्थ्य अभियंत्रण विभाग, बिहार,पटना।

सदस्य,
22/7/16
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख (मध्य), जल ससहान विभाग, बिहार, पटना।

संयोजक,
22/7/16
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख-सह-अपर आयुक्त-सह-विशेष सचिव, पथ निर्माण विभाग, बिहार, पटना।

RAILWAY ROUTE CHART & FREIGHT

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 to 125 km between 1501-3500 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.

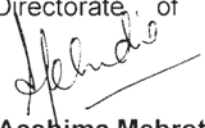
...2/-

-: 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 (CMI) 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 Comm (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 Comm (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.

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- 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

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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.

Ashwini

M. P. D.

Commodity Index

S.No	Main Commodity Head	Page No
GENERAL TARIFF LINES		
1	Acids and Alcohols	1
2	Alloys and Metals	1
3	Bricks and Stones	1
4	Caustic Potash and Soda	2
5	Cement	2
6	Chemical Manures	2
7	Clay and Sand	3
8	Coal and Coke	3
9	Foodgrains, Flours and Pulses	4
10	Fish Meal	4
11	Hydrogenated and Other Edible Oils	4
12	Iron or Steel	4
13	Leather, Rubber and Plastic	5
14	Minerals and Ores	5
15	Machinery and Machine tools	5
16	Metal Scrap and Pig Iron	6
17	Oil Cakes and Seeds	6
18	Petroleum Products and Gases	6
19	Salt	7
20	Soap	7
21	Sugar	7
22	Miscellaneous	7
	i) Betel Nuts	7
	ii) Chalk Calcium Carbonate	7
	iii) Chalk in Lumps or Powder	7
	iv) Glucose	7
	v) Gunnies	7
	vi) Household Effects	7
	vii) Molasses	7
	viii) Mono Calcium Phosphate for Animal, Aqua and Poultry feed	7
	ix) Putty	7
	x) Starch	7

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Commodity Index

S.No	Main Commodity Head	Page No
LOW RATED TARIFF LINES		
23	DIVISION -'A'	7
i)	Electrical appliances and fittings	7
ii)	Empty drums, Jerrycans and Barrels	7
iii)	Jagree and Jagree Powder	7
iv)	Fireworks	7
v)	Jute	7
vi)	Milk and Milk products	7
vii)	Organic Manures	7
viii)	Paints and Polishes	7
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

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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 <i>As under:-</i> Absolute Alcohols Acetic Acid Benzoic Acid Benzyl Alcohols Boric Acid Butyl alcohol Citric Acid Hydrochloric Acid Nitric Acid Phosphoric Acid Spirit Sulphuric Acid	P5	PCC	p	RR	d d d d d d	200
2	Alloys and Metals <i>As under:-</i> Alloy pipes Alloy Steel Alumina Aluminium Ingots & Billets Aluminium Powder Brass Copper Anode & Cathode Copper concentrates Copper Ingot & Slab Ferro Chrome Ferro Manganese Ferro Silicon Kansa Lead Silico Chrome Silicon Silicon Manganese Tin plate Zinc	P2(a)	PCC	p	RR	d d	180
3	Bricks and Stones <i>As under:-</i> 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	P2(a)	PCC	p	OR		150

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Map 2

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)
3 (a)	Sanitary wares Slate Slate Stone Stone Dust Stone Grit Stone Pillars Stone Ware Stone, Cut and/or Engraved						
	Bricks broken Fire bricks						130
4	Caustic Potash and Soda <i>As under:-</i> Caustic potash liquor Caustic potash solid Caustic soda Caustic soda liquor Caustic soda lye Chlorate of Soda Soda ash Soda Bicarbonate Sulphur Washing soda	P1 or P5 P1	PCC	p	RR	d d d d	140
5	Cement <i>As under:-</i> Acid resisting Cement Asbestos Cement Blocks Cement Clinker Cement manufactured Cement Pipes Cement sheets Cement Tiles Coloured Cement Superfine Cement White Cement	P1 P5 P1 P2(a) P2(b), P4 P2(b) P4 P1	PCC	p	RR		140
5 (a)	Fly ash	P2(a)		p			120
6	Chemical Manures* <i>As under:-</i> Ammonium Nitrophosphate Ammonium Phosphate Ammonium Sulphate Nitrate Bentonite Sulphur Pastilles (Straight Sulphur Fertilizer) Calcium Ammonium Nitrate Calcium Nitrate 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	P1	PCC	p	RR	d	130

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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 Nitrolim Nitrophoska Rock Phosphate (in Bag) Rock Phosphate (in Loose) Single Super Phosphate Sulphate of Ammonia Sulphate of Zinc Super Phosphate Triple Super Phosphate Urea Urea Ammonium Phosphate 20.20.0 Urvara Water Soluble fertilizer	P2(a)					
Note	<i>*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"</i>						
7	Clay and Sand	P2(a)	PCC	p	RR		150
	<i>Includes:-</i> Brick Earth Ground silica Luting sand Ochre Red Mud White Clay (Lumps/Powder)						
7 (a)	Bentonite powder China Clay Fire Clay						120
8	Coal and Coke	P2(a)	PCC	p	OR		145
	<i>Includes:-</i> Calcined Petroleum coke Coal Dust Coal Shale Coke hard Coke soft Coking coal Coke Lignite Metallurgical coke Patent Fuel (as coal) Petroleum coke Raw Petroleum coke Middling Run of Mines Coal (ROM) Steam coal Washed Coal						

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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 <i>Includes:-</i> Atta Bajra Besan Chana Dal Gram Jowar Maida Maize Moong Dal Musoor Dal Paddy Rice Suji Toor Dal Urad Dal Wheat	P1 & S2	PCC	p	RR		130
10	Fish Meal Floating Fish Feed	P1	PCC	p	RR		100
11	*Hydrogenated and Other Edible Oils <i>As under:-</i> All refined & non-refined edible oils Castor oil Groundnut Oil Mustard Oil Palm Oil Sunflower oil Vanaspati Ghee Note *will be charged at Class-LR3, when booked in covered wagons and Class-100 when booked in 4 wheeled Tank Wagon.	P5	PCC	p	RR		140
12	Iron or Steel <i>Includes:-</i> Angles Billets Blooms Cold Rolled Sheets / Coils Colliery Arch & Z-Piling Flat, iron or steel Girders Hot Rolled Sheets / Coils Ingots Iron Mill Scale Stainless steel Lattice/Transmission Tower Parts	P2(b)	PCC	p	RR		165
12(a)	Steel Pipes 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 <i>As under:-</i> Hides & Skins Leather cloth Leather goods Leather refuse Plastic Goods PVC Pipes Rubber crude Rubber Tyres & Tubes	P2(b) or P4 P3	PCC	p	OR		100
13 (a)	PVC Powder						110
14	Minerals and Ores <i>Includes:-</i> Alunite Barytes powder Bauxite Calcite Chrome ore Dunite Ilmenite ore Iron pyrites Laterite Lithium ores Pyroxinite Soap Stone Zinc ores	P2(a)	PCC	p	RR		160
14 (a)	Chemical Gypsum Gypsum Gypsum in lumps / powder						150
14 (b)	Hot Briquetted Iron Iron Ores Iron ores for Export (<i>distance based charge shall be levied in addition</i>) Sinter						165
14 (c)	Dolomite Dolomite powder/lumps Lime (including Hydrated Lime, Quick Lime, Burnt Lime & Lime Powder) Lime stone Lime stone powder / lumps Manganese ores						145
15	Machinery and Machine tools <i>As under:-</i> Boilers Cranes Engines Machinery parts Sewing machine	P4	PCC	p	OR		100

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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 <i>As under:-</i> Brass scrap Copper scrap Iron scrap Sponge Iron	P2(a) & S1	PCC	p	RR		150
16 (a)	Ground Granulated Blast Furnace Slag Slag						140
17	Oil Cakes and Seeds <i>As under:-</i> Cotton Seed Cotton Seed oil cakes Cotton Seed waste De-oiled Cakes (Pellets/Powder) De-oiled rice bran Gingerly Seed Linseed Mustard Seed Rape Seed Soyabean Sunflower Sal Seed	P1	PCC	p	RR		120
18	Petroleum Products and *Gases <i>As under:-</i> Aviation spirit Aviation Turbine Fuel (ATF) Carbon Black Feed Stock (CBFS) Compressed gases Crude oil Diesel Oil Furnace oil Hexane High Speed Diesel (HSD) Light Diesel Oil Low sulphur heavy stock Methane gas Naphtha Paraffin oil Petrol (Motor Spirit) Alkylate Reformat Residual Fuel Oil (RFO)		PCC	p	RR	d	180
18 (a)	Bitumen Coal Tar Coal Tar Pitch (Solid) Coal Tar Pitch	P5 P1					160
18 (b)	Kerosene Oil Liquefied Petroleum Gas (LPG)					d	165
18 (c)*	<i>Ammonia liquified gas</i> <i>Argon gas</i> <i>Nitrogen gas</i>						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 <i>As under:-</i> Earth Salt Iodised Salt Non-refined Salt Ordinary non-refined salt for human consumption (Iodised Salt / Salt meant for human consumption) Refined Salt Rock Salt Vacuum Salt	P1 & S3	PCC	p	OR		100
19 (a)	Salt for Industrial use	P1					120
20	Soap <i>As under:-</i> Liquid soap Synthetic soap	P1 or P2(a) or P4 or P5	PCC	p	RR		120
21	Sugar <i>As under:-</i> Sugar candy	P1	PCC	p	RR		120
22	Miscellaneous Betel Nuts Chalk Calcium Carbonate Chalk in lumps or powder Glucose Gunnies Household effects Molasses Mono Calcium Phosphate for Animal, Aqua and Poultry feed Putty Starch	P1 P1 P1 P4 or P5 P3 P3 P5 P1 P2(a) P1 or P4 or P5	PCC	p	RR		150 140 140 150 120 150 150 130 150 120
LOW RATED TARIFF LINES							
23	DIVISION -'A' Electrical appliances and fittings <i>As under:-</i> Dry Batteries, Dynamos Electric Motors / Pumps / Generators Electric wires Electrical Bulbs Electrical Fans Fuse wire	P4	PCC	p	RR		LR1
	Empty drums, Jerrycans and Barrels Jagree and Jagree Powder Fireworks Jute Milk and Milk products Organic Manures Paints and Polishes Colours and Dyes	P2(b) P1 P3 P4 or P5 P2(a) P5			RR RR RR RR OR RR RR	d	LR1

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Map 2

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 <i>As under:-</i> Fire Wood Plywood in boards, panels Sandal wood Splints for matches Wood pieces	P2(b)			RR OR		LR1
	Timber waste						LR2
	Vegetable oil pitches	P5			RR		LR1
	Water				RR		LR1
24	DIVISION -'B' Boiler Components Charcoal Paper <i>As under:-</i> Card Boards Paper in reels / rolls Paper waste Paper cuttings Paper sludge	P4 P2(a) P3	PCC	p	RR OR RR		LR2
25	DIVISION -'C' Bamboos <i>As under:-</i> Bamboo chips Bamboo Crushed Bamboo pulp Sticks Brooms Coffee and Tea Coir Cotton and other Textiles <i>As under:-</i> Bed Sheets Cotton half / full pressed Cotton raw Hand spun yarn cotton Khaddar Silk Synthetic Yarns Towels Wool	P2(b) P2(b) P4 P2(b) P3	PCC	p	RR RR RR RR		LR3 LR3
	Fodder and Husk <i>As under:-</i> Bhoosa Chari Dry Grass Cotton Seed Husk Coconut husk Gram husk Kirby Kirby Kutti (Kuttar) Paddy Husk Peas husk Toor husk Wheat bran (chokar)	P2(a) P1 P1 P1 P1 P1 P1			RR		LR3
	Chuni	P1					LR1

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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 <i>As under:-</i> Banana Dates Garlic Mango Orange Onions Potatoes	P2(a) P4 P4 P2(a) P2(a)			OR		LR3
	Groceries <i>As under:-</i> Alum Chillies, Dry Chillies Edible snacks Extruded foods Jeera Pepper Spices Maize Flakes Rice flakes Rice Parched Sago common Turmeric Soya Protein Textured	P1			RR		LR3
	I V and Insecticide fluid Live stock *Motor vehicles <i>* The "standardized" CC of NMG & BCCN wagons shall be 58.8 tonnes.</i> Sugarcane & Bagasse	P5 P6 (a)&(b) P2(a)			RR OR OR RR		LR3
Note							120

Handwritten signatures and initials:
 1. A signature that appears to read "Sachin".
 2. A signature that appears to read "Mang".

INDIAN RAILWAY CONFERENCE ASSOCIATION

FREIGHT RATE TABLES

APPLICABLE ON INDIAN RAILWAYS

With effect from 01.04.2015

GOODS TARIFF NO.48 (Part II)

Acharya

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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

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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

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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

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जिला खनन कार्यालय, पटना

पत्रांक: 163 /एम०, पटना, दिनांक 06/02/12

प्रेषक,

सहायक निदेशक,
जिला खनन कार्यालय,
पटना।

सेवा में,

पटना जिला स्थित सभी कार्य विभाग एवं
कार्यकारी एजेंसियों

कृषि परिशोधना प्रतिष्ठान का कार्यालय
पत्र प्रमंडल बिहार राज्य पुल निर्माणा
विभाग लि- टोरोजा राय पंच, पटना

विषय: निर्माण कार्य में संवेदकों द्वारा व्यवहृत लघु खनिजों यथा-ईट, बालू, गिट्टी, मिट्टी तथा अन्य को मात्र पर देय स्वागिन्य के अतिरिक्त खनिज का मूल्य एवं अन्य कर (Tax) आदि की वसूली के संबंध में ।

प्रसंग:- विभागीय अधिसूचना संख्या-244, 245 एवं 250/एम०,पटना,दिनांक-27.01.2012 तथा पत्रांक-1731/एम०, पटना, दिनांक-01.08.2011 एवं अधोहस्ताक्षरी का कार्यालय पत्रांक-17/एम०, पटना, दिनांक-06.01.2012.

महाभाग,

उपर्युक्त विषयक विभागीय स्तर से समय-समय पर निर्गत विभिन्न प्रसंग में वर्णित पत्रों की छाया प्रति सहज प्रसंग हेतु उम पत्र के साथ सलग्न कर सूचनार्थ एवं आवश्यक कार्रवाई एतद् द्वारा प्रेषित की जा रही है । विभागीय अधिसूचना संख्या-244, 245 एवं 250/एम०,पटना,दिनांक-27.01.2012 द्वारा विभिन्न खनिजों का स्वागिन्य दर को राज्य सरकार ने संशोधित करने की कृपा की है। संशोधित नई स्वगिन्य दर अधिसूचना के निर्गत होने की तिथि-27.01.2012 से प्रभावी हो चुका है । अतएव सलग्न अधिसूचना का अवलोकन कर संशोधित नई स्वागिन्य दर के संबंध में पूर्ण सूचना ग्रहण करने की कृपा की जाय । पूर्व में प्रेषित विभागीय पत्रांक-1731/एम०, पटना, दिनांक-01.08.2011(छाया प्रति सलग्न) के आलोक में पुनः सूचित करना है कि प्रसंगिक पत्र द्वारा विषयांकित मामला में स्पष्ट रूप से सूचित किया जा चुका है कि "निर्माण कार्य में संवेदकों के द्वारा व्यवहृत विभिन्न विषयांकित लघु खनिजों की खरीदगी बिहार लघु खनिज समनुदान नियमावली,1972 के नियम-40(8)में उल्लेखित अधिकतम/प्रबंधक/संवेदक या उप पट्टाधारी से की जाती है, तो इस नियमावली के नियम-49(10) के अनुपालन में संवेदक प्रपत्र एम० तथा एन० में अपना शपथ पत्र विपत्र के साथ कार्य विभाग में दाखिल करेंगे । कार्य विभाग प्रपत्र एम० तथा एन० में दाखिल शपथ पत्र का सत्यापन जिला से संबंधित खनन कार्यालय से करावेगे । यदि एम० तथा एन० का शपथ पत्र असत्य पाया जाता है या संवेदक एम० तथा एन० में शपथ पत्र विपत्र के साथ दाखिल नहीं करते हैं, तो बिहार लघु खनिज समनुदान नियमावली,1972 के नियम-40(8) के अन्तर्गत लघु खनिज पर देय स्वागिन्य के अतिरिक्त खनिज का मूल्य एवं अन्य कर आदि की कटौतों उनके विपत्र से करके विभाग के संगत शीर्ष में संबंधित कार्य विभाग जमा कर देंगे ।"

विभागीय स्तर से निर्गत संगत नियमावली में निर्दिष्ट उल्लेखित प्रावधान के अनुपालनार्थ एवं सरकारी राजस्व हित में प्रेषित उपर्युक्त प्रावधानों का अनुपालन कतिपय कारणों आपके स्तर से कदाचित् अब तक सुनिश्चित नहीं की जा रही है । फलतः सरकारी खनन राजस्व को भारी क्षति होने से इंकार नहीं किया जा सकता है । यह राजस्व हित में काफी चिन्तनीय एवं दुःखीय पण है । यहाँ यह भी उल्लेखनीय है कि महालेखाकार अंकक्षण ने भी वित्तीय वर्ष-2009.10 के अंकक्षण के दौरान उपर्युक्त आशय का आगति दर्ज की है ।

अतएव उपर्युक्त वर्णित धरिपेक्ष में पुनः अनुरोध है कि सलग्न प्रसंगिक अधिसूचनाओं/पत्रों में निर्दिष्ट निर्देशों का राजस्व हित में दृढ़ता से अनुपालन सुनिश्चित करने का कृपा करें । यहाँ यह भी उल्लेखनीय है कि आपके स्तर से संवेदकों के विपत्र से कटौतीकृत एवं संशोधित स्वागिन्य की राशि के साथ खनिजदार मात्र एवं कटौतीकृत राशि का संवेदकवार विवरणी भी उपलब्ध करने की कृपा की जाय, ताकि व्यवहृत मात्र के विरुद्ध कटौतीकृत स्वागिन्य की राशि की अनुमान-यता की समीक्षा अधोहस्ताक्षरी के स्तर से सुनिश्चित किया जा सके । साथ ही अंकक्षण आगति के अनुपालन में वित्तीय वर्ष-2009.10 से वर्तमान तक संवेदकों के विपत्र से कटौतीकृत एवं संशोधित खनन स्वागिन्य की राशि जिसके विरुद्ध संवेदक ने प्रपत्र-एम० तथा एन० में शपथ पत्र दाखिल नहीं किया है, से संबंधित वैसे सभी मामलों में कटौतीकृत स्वागिन्य के अतिरिक्त खनिज का मूल्य की कटौती संबंधित संवेदकों के विपत्रों सुनिश्चित कर विभागीय संगत शीर्ष में अति शीघ्र जमा कराने की कृपा किया जाय । राजस्व के खनन राजस्व एवं कार्याहृत में कृपा इसका सर्वोच्च प्राथमिकता के आधार पर अचूक अनुपालन सुनिश्चित करने की कृपा की जाय ।

अनु०-सूचीपरि ।

विश्वासभाजन,
[Signature]
सहायक निदेशक,
जिला खनन कार्यालय,
पटना।

बिहार सरकार
खान एवं भूतत्व विभाग
अधिसूचना

पटना, दिनांक- 27/1/12

एस0ओ0सं0- 245/40, 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 स्वामिस्व 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	स्वामिस्व - प्रति भट्ठा प्रति वर्ष देय स्वामिस्व 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/-रु०
2	II	अन्य शहरी क्षेत्र	35 लाख ईट	101500/-रु०
3	III	ग्रामीण क्षेत्र	25 लाख ईट	72500/-रु०
4	IV	बंगला भट्ठा	1 (एक लाख) ईट	4350/-रु०

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 भट्टा आरंभ करने के पूर्व, तथा
- (ii) द्वितीय किस्त :- कुल राशि का शेष 50 प्रतिशत 31 मार्च के पूर्व ।
- (iii) भट्टेदारों द्वारा कुल देय स्वामिस्व का भुगतान अगर एक मुस्त कर दिया जाता है तो कुल भुगतय 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 भट्टा में निर्मित ईंट / ईंट मिट्टी पर कोई स्वामिस्व भुगतय नहीं होगा ।

4/बी0मु020-22/09

बिहार राज्यपाल के आदेश से,

24/12
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,

24/12
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 50 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 हैं जो तुरत प्रवृत्त होगा :-

संशोधन

उक्त नियमावली में,

- विद्यमान अनुसूची I, निम्नलिखित द्वारा प्रतिस्थापित की जायेगी, यथा:-

अनुसूची I

[नियम 26 (1) (क) द्रष्टव्य]

अनिवार्य लगान

अवधि	अनिवार्य लगान की दर (रुपये में)
1	2
पट्टा की सम्पूर्ण अवधि के लिए प्रति वर्ष की दर	30,000 रु0 प्रति एकड़ प्रति वर्ष

- विद्यमान अनुसूची II निम्नलिखित द्वारा प्रतिस्थापित की जायेगी :-

अनुसूची II

[नियम 26 (1) (ख) द्रष्टव्य]

स्वामिस्व (रॉयल्टी)

क्रम संख्या	खनिज का नाम	प्रति घन मीटर दर (रुपये में)
1	2	3
1	(क) किसी भी नाम से यथा परिभाषित बोल्टर,प्रेवेल शिंगिल अथवा पत्थर (ख) नीलामी द्वारा बंदोबस्त पत्थर	100=00 नीलामी की दशा में नीलामी की राशि
2	(क) निर्माण प्रयोजनों में व्यवहृत साधारण बालू (ख) नीलाम घाटों का साधारण बालू	50=00 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 (ग्रेडुलर 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 (ग्राइन्डिंग) 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	प्रेनाईट (सजावट पत्थर के रूप में उपयोग होने पर) प्रति सैकड़ा (i) 60 से 0 मी 0 से अधिक के ब्लॉक के लिये । (ii) 60 से 0 मी 0 से कम के ब्लॉक के लिये ।	545=00 273=00
18	अन्य सभी खनिज	विक्रय मूल्य का 25 प्रतिशत राशि

टिप्पणी I बिहार लघु खनिज समानुदान नियमावली, 1972 या अन्यथा में किसी विरुद्ध 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 स्वामिसव (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 स्वामिसव (रॉयलटी) का भुगतान करेगा।

12/वी0/मु0 70-2/03

बिहार राज्यपाल के आदेश से

सरकार के उप सचिव।

एसओओ २५० एम० का अंग्रेजी में निम्नलिखित अनुवाद बिहार राज्यपाल के प्राधिकार से इसके द्वारा प्रकाशित किया जाता है जिसे भारतीय संविधान के अनुच्छेद ३४८ के खण्ड (३) के अधीन अंग्रेजी में उसका प्राधिकृत पाठ समझा जायेगा।

१२/वी०/मु० ७०-२/०३
बिहार राज्यपाल के आदेश से

सरकार के उप सचिव।

S.O No. २५० /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
(sec 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. Existing Schedule II shall be substituted by the following, namely:-

Schedule II
(sec 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 (b) Stone settled by way of auction	100=00 In case of auction the amount of auction
2	(a) Ordinary sand used for construction purpose (b) Ordinary sand of auctioned ghats	50=00 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 bottoms.	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	Rech 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 household 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 (i) Block more than 60 c.m (ii) Block less than 60 c.m	545=00 273=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

Deputy Secretary to Government

ज्ञापांक 12/वी0/मु0 70-2/03

२०० /एम०,दिनांक २७/११/१२

प्रतिलिपि: अवर सचिव,वित्त विभाग,बिहार,पटना को सी०डी० के साथ प्रेषित करते हुये उनसे अनुरोध है कि अधिसूचना की 500 प्रतियाँ बिहार राजपत्र (गजट) में प्रकाशित कराने हेतु राजकीय मुद्रणालय,गुलजार बाग, पटना को भेजी जाय तथा उसकी प्रतियाँ विभाग को उपलब्ध करायी जाय।

सरकार के उप सचिव।

ज्ञापांक

२०० /एम०,दिनांक २७/११/१२

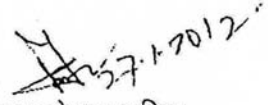
प्रतिलिपि: सभी प्रमण्डीय आयुक्त/सभी जिला पदाधिकारी/अपर निदेशक/सभी उप निदेशक/सभी सहायक निदेशक,खान एवं भूतत्व विभाग/सभी खनिज विकास पदाधिकारी,खान एवं भूतत्व विभाग/सभी खान निरीक्षक,खान एवं भूतत्व विभाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

सरकार के उप सचिव।

ज्ञापांक

३५० / एम०, दिनांक २२/१/१२

प्रतिलिपि: 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।


सरकार के उप सचिव।

बिहार सरकार

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

पत्रांक - मु0 नि0 (पथ) - 38(अ००) 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।

विषय:- 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 ।

प्रसंग:- 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


(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

प्रक्रांक:- 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।

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

महाशय,

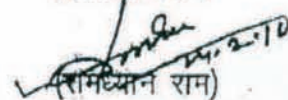
उपर्युक्त विषयक संयुक्त श्रमायुक्त-सह-सचिव, बिहार भवन एवं अन्य सन्निर्माण कर्मकार कल्याण बोर्ड, पटना के पत्र संख्या-बी0सी0डब्लू0सी0-14/2008-श्र.स.-4984 दिनांक 01.10.08 (सानुलग्न प्रति संलग्न) से प्राप्त प्रस्ताव की समीक्षा विभागीय उच्चस्तरीय तकनीकी समिति द्वारा की गयी और समिति की अनुशंसा के आलोक में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

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

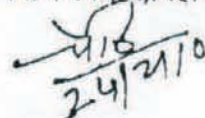
2) प्रस्ताव में महाधिदक्ता, बिहार तथा वित्त विभाग का परामर्श प्राप्त है।

अनु0-यथोक्त।

विश्वासभाजन


(समिन् राम)

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

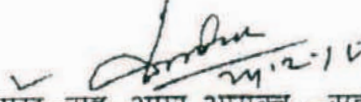

24/2/10

क०प०३०

ज्ञापांक: प्र.6/नियम-10/2008

पटना, दिनांक

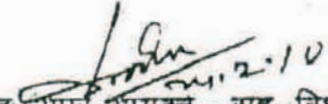
प्रतिलिपि महालेखाकार बिहार, बीरचंद पटेल पथ, पटना को सूचना एवं आवश्यक कार्रवाई हेतु प्रेषित।


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

ज्ञापांक: प्र.6/नियम-10/2008

पटना, दिनांक

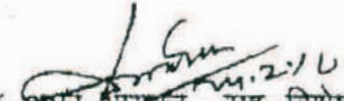
प्रतिलिपि सभी प्रधान सचिव/सचिव, सभी विभाग/सभी प्रमंडलीय आयुक्त/सभी जिलाधिकारी/अभियंता प्रमुख, सभी कार्य विभाग/ अध्यक्ष, बिहार राज्य पुल निर्माण निगम, बिहार, पटना/ अध्यक्ष, बिहार राज्य पथ विकास निगम, बिहार, पटना को सूचना एवं आवश्यक कार्रवाई हेतु प्रेषित।

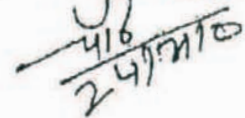

अभियंता प्रमुख-सह-अपर आयुक्त -सह-विशेष सचिव
पथ निर्माण विभाग,बिहार,पटना।

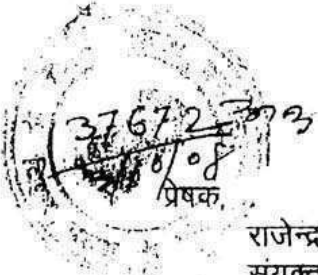
ज्ञापांक: प्र.6/नियम-10/2008

पटना, दिनांक

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


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


416
24/11/10



सचिका सं०-बी०सी०डब्लू०सी०-14/2008, अ०सं०-4984
बिहार सरकार
श्रम संसाधन विभाग

9.81 (2500) 10/10/08

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

सु.एल. (410)

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

पटना, दिनांक-01-10-08

And 13.10.08

विषय:- अर्द्ध सरकारी पत्र संख्या- बी०सी०डब्लू०सी० 01/2008-922,दिनांक-21.02.08 की प्रति उपलब्ध कराने के संबंध में।

506

महाशय:

14/10/08

19/10/08

उपर्युक्त विषयांतर्गत आपके पत्र के आलोक में प्रधान सचिव, श्रम संसाधन विभाग के अर्द्धसरकारी पत्र सं०-बी०सी०डब्लू०सी०-01/2008-922,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।

अनुलग्नक: यथोक्त।

4552 12-10-08

विश्वासभाजन,

(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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Email : vyas56@hotmail.com
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बिहार सरकार

श्रम संसाधन विभाग

निकास भवन, पटना 800015, बिहार

Government of Bihar

Department of Labour Resources

Nikas Bhawan, Patna - 800015, Bihar

अहं सरकारी पत्र सं० = ली. सी. इल्यू. सी. - 01/2008/श्रम - 32

पटना दिनांक 21/2/2008

प्रिय महाशय,

निर्माण श्रमिकों के संबंध में वर्ष 1996 सं निम्नलिखित दो केन्द्रीय अधिनियम प्राम्बशील हैं :-

- (i) भवन तथा अन्य सन्निर्माण कर्मकार (नियोजन तथा सेवा शर्त 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 18.2.2008 की प्रकाशित अधिसूचना द्वारा कर दिया है ।
3. उक्त द्वितीय अधिनियम के धारा 3 के तहत निर्माण कार्यों 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 निर्माण 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 शर्त 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 उप-ठेकेदार, यदि कोई हो) के तहत संचालित होने वाले निर्माण कार्यों में कृपया उक्त अधिनियमों / नियमों का पालन सूनश्चित करने का कष्ट करें । इस संबंध में निम्नलिखित विन्दु ध्यान देने योग्य है :-
- (i) विभाग / सार्वजनिक उपक्रम / संविधिक प्राधिकारिय के कार्यों 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 कार्यों 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 शर्त विनियमन) नियमावली, 2005 के नियम 27 के 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 तहत तदविषयक लिखित नोटिस संबंधित "निरीक्षक" को देय, और आरंभ 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 तहत 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 सार्वजनिक उपकर्मों तथा सांविधिक प्राधिकारियों द्वारा निर्माण कार्यों के लिये भविष्य में जो निविदा प्रपत्र तथा अनुबंध के प्रारूप का उपयोग किया जाय । उनमें कंडिका 1 में उल्लेखित अधिनियमों के पालन की शर्तों का विशिष्ट 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 तहत निर्माण कार्यों 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 तहत बने केन्द्रीय नियमों के नियम 4 (3) के अनुसार शासकिय विभागों और सार्वजनिक उपक्रमों के निर्माण कार्यों पर लगाने 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 क्रोसड 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 रहे निर्माण कार्यों 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, अमारी हाऊगा यदि पत्र के प्रसंग में की गई कार्रवाई से आप मुझे अवगत करा दें और इसे विषय पर अधीनस्थ अधिकारियों, सार्वजनिक उपक्रमों तथा सांविधिक प्राधिकारियों 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 संलग्न की जाती हैं ।

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

भवदीय

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(())

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

Appointed on page No. 33cc
Dated : 12-10-96

श्रम मंत्रालय
MINISTRY OF LABOUR

परिपत्रिका

नू दिल्ली, 24 सितम्बर, 1996

सं. 2899-केन्द्रीय सरकार, श्रम और
अन्य कर्मियों का कल्याण कृषक अधिनियम, 1996
(1996 का 28) की धारा 3 की उपधारा (1)
द्वारा श्रम कर्मियों का कल्याण अधिनियम, 1996
के अन्तर्गत की परिपत्रिका सं. सं. 1767
तारीख 17 मई, 1996 की अधिनियम अधिनियम
द्वारा श्रम कर्मियों का कल्याण अधिनियम (श्रम कर्मियों का
कल्याण अधिनियम) अधिनियम, 1996 (1996 का 28)
के अन्तर्गत की तैयार किये गये हुए द्वारा कृषक अधिनियम
की धारा 3 की उपधारा (1) के अन्तर्गत की परिपत्रिका सं. सं. 1767

[सं. सं. एलएच 1011/95 का अधिनियम सं. सं. (आर)
की सं. सं. 1 का अधिनियम अधिनियम अधिनियम]

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 re-permission of the notifi-
cation 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.

[S. No. S.O. 1011/95-RW (Part)]
D. K. TREHARI, Labour & Employment Adviser

SUB HEAD : 0.1
HIRE CHARGES OF PLANTS

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 8th ed
001	Hire charges of Coaltar Boiler 900 to 1400 litres	Per day	830.00
002	Hire charges of Concrete Mixer 0.14 cubic metre	Per day	800.00
003	Hire charges of Diesel Road Roller - 8 to 10 tonne	Per day	1500.00
004	Production cost of concrete by batch mix plant.	cum	350.00
005	Hire charges of Diesel Truck - 9 tonne	Per day	1700.00
006	Hire charges of Spraying machine including electric charges	Per day	250.00
007	Hire charges of Coaltar Sprayer	Per day	300.00
008	Hire charges of Barber green, drying mixing and Asphalt Plant, with accessories. capacity 30/45tonne	Per day	7700.00
009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.	cum	150.00
010	Hire charges of Derrick monkey rope	Per day	800.00
011	Hire charges of Pump set of capacity 4000 litres/hour.	Per day	600.00
012	Vibrator (Needle type 40mm)	Per day	350.00
013	Machine for rubbing of floors	Per day	350.00
014	Front end loader	Per day	5000.00
015	Hire and running charges of Tripod and Mechanical Winch machine complete with power unit and accessories	Per day	6000.00
016	Mastic Cooker	Per day	750.00
017	Hire and running charges of tipper	Per day	1700.00
018	Hire and running charges of loader	Per day	5000.00
019	Hire Grinder for mirror polish	Per day	250.00
020	Hydraulic Excavator (3D) with driver and fuel.	Per day	8000.00
021	Pin vibrator	Per day	350.00
022	Surface Vibrator	Per day	400.00
023	Hot Bitumen mixer 0.5 cum i/c hand cart	Per day	4000.00
024	Hire and running charges of hydraulic piling no. with power unit etc. including complete accessories and shifting at site.	Per day	34000.00
025	Hire and running charges of light crane	Per day	2200.00
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	30.00
030	Generator 250 KVA.	Per day	2300.00
033	Paint applicator	Per day	750.00
037	Mobile crane.	Per day	7000.00
038	Tractor with ripper attachment	Per day	1350.00
039	Tractor with trolley	Per day	1500.00
040	Aircompressor 250 cfm with two leads for pneumatic cutters/hammers	Per day	2000.00
041	Joint cutting machine with 2-3 blades	Per day	1100.00
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	1000.00
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.

Code No	Description	Unit	Rate Rs. As per 8th ed
	NEW CODES		
049	Dozer D-80-A 12	hour	1750.00
050	Motor Grader 3.35 metre blade	hour	2450.00
051	Hydraulic Excavator of 1 cum bucket	hour	1200.00
052	Front end loader 1 cum bucket capacity (incl POL)	hour	900.00
053	Tipper -5 Cum	tonne km	3.00
054	Vibratory roller 8 to 10 tonne	hour	1300.00
055	Smooth Wheeled Roller 8 to 10 tonne	hour	450.00
056	Tandem Road Roller	hour	1150.00
057	Water Tanker 5 to 6 KL capacity	hour	150.00
058	Air compressor	hour	325.00
059	Wet Mix Plant 60 TPH	hour	1200.00
060	Mechanical Broom Hydraulic	hour	360.00
061	Emulsion Pressure Distributor @ 1750 sqm per hour	hour	800.00
062	Hot mix Plant -120 TPH capacity	hour	23700.00
063	Hot mix Plant 100 TPH Capacity	hour	17500.00
064	Paver finisher Hydrostatic with sensor control 100 TPH	hour	2700.00
065	Paver finisher Mechanical 100 TPH	hour	1000.00
066	Batching and Mixing Plant @ 75 cum per hour	hour	2500.00
068	Concrete Paver finisher with 40 HP Motor and sensor	hour	2900.00
069	Generator 250 KVA	hour	700.00
070	Generator 100 KVA/125 KVA	hour	500.00
071	Truck 5.5 cum/ 10 tonnes	tonne km	3.00
075	Road sweeper (Mechanical Broom) @ 1250 sqm per hour	hour	360.00
076	Drum Type HMP of 60-90 TPH capacity @ 75 tonne per hour actual output	hour	14000.00
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 equivalent fr local shifting	day	1300.00

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
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 depts no 124/1-04-16 Rs.
0100	Bandhani	per day	222.00
0101	Bhishti	per day	229.00
0102	Blacksmith 1st class	per day	279.00
0103	Blacksmith 2nd class	per day	249.00
0107	Bullockman with single bullock	per day	284.00
0111	Carpenter 1st class	per day	279.00
0112	Carpenter 2nd class	per day	249.00
0113	Chowkidar	per day	220.00
0114	Beldar	per day	206.00
0115	Coolie	per day	218.00
0116	Fitter (Grade 1)	per day	283.00
0117	Assistant Fitter or 2nd class Fitter	per day	249.00
0119	Glazier	per day	233.00
0122	Mason {For plaster of paris work} 1st class	per day	279.00
0123	Mason (for orick work) 1st class	per day	279.00
0124	Mason (for brick work) 2nd class	per day	249.00
0125	Mason (for plain stone work) 2nd class	per day	249.00
0126	Mason (for ornamental stone work) 1st class	per day	279.00
0127	Concrete mixer operator Gr 1	per day	265.00
0128	Mate	per day	222.00
0129	Mali	per day	262.00
0130	Mistry	per day	206.00
0131	Painter	per day	275.00
0132	Rock Excavator	per day	220.00
0133	Rock Breaker	per day	220.00
0134	Rock Hole Driller	per day	220.00
0135	Stone Chiseller	per day	222.00
0136	Sewerman	per day	222.00
0138	Sprayman (for bitumen, tar etc.)	per day	220.00
0139	Skilled Beldar (for floor rubbing etc.) / Grinder	per day	249.00
0141	White Washer	per day	262.00
0155	Mason (average)	per day	249.00
0156	Carpenter (average)	per day	249.00
0157	Operator (Pile/Special machines)	per day	354.00
0158	Mechanic (Pile/ Assistant operator)	per day	323.00
0159	Skilled Torch Operator	per day	262.00
0L01	Un Skilled labour	per day	206.00
0L02	Un Skilled labour	per day	206.00
0L03	Mistri	per day	206.00

Code No	Description	Unit	Rate As per Lab depts no 124/1-04-16 Rs.
0L04	Cleaner	per day	206.00
0L05	Helper	per day	206.00
0L06	Khalasi	per day	206.00
0L11	Electrician Gr-I	per day	265.00
0L11A	Electrician Gr-II	per day	247.00
0L12	Lineman/wireman	per day	243.00
0L13	Chargeman	per day	299.00
0L14	Fore man	per day	354.00
0L15	Welder Gr I	per day	315.00
0L19	Cheker	per day	252.00
0L20	Hammerman	per day	220.00
0L21	Tin smith	per day	284.00
0L22	Tin plate maker	per day	299.00
0L25	Tile layer	per day	222.00
0L26	Thatcher	per day	222.00
0L27	Plumber	per day	265.00
0L28	Grader	per day	252.00
0L29	Road binder	per day	233.00
0L32	Stone layer	per day	247.00
0L34	Fire man	per day	222.00
0L36	Gas cutter	per day	264.00
0L37	Rigger	per day	252.00
0L38	Sarang	per day	270.00
0L39	Chipper cum riveitew	per day	264.00
0L40	Tractor operator	per day	299.00
0L43	Vibrator operator	per day	232.00
0L44	Pump driver Gr I	per day	265.00
0L46	Concrete mixture operator Gr I	per day	265.00
0L49	Truck Driver	per day	299.00
0L50	Car/Jeep Driver	per day	264.00
0L51	Crane Operator Gr 1	per day	354.00
0L52	Winch Operator	per day	265.00
0L53	Road Roller Driver	per day	361.00
0L56	Polisher	per day	222.00
0L70	Any Other category of semi skilled worker not	per day	215.00
0L71	Any other category of skilled worker not mentioned	per day	262.00
0L72	Highly skilled workers	per day	319.00

SUB HEAD : 0.3
BASIC RATES OF BUILDING &
ROAD WORK

0.3 MATERIALS FOR BUILDING WORK AND ROAD WORK

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

Code No	Description	Unit	Present Approved rate
1	2	3	4
0200	Plain ended valley gutters Sheets 6 mm thick (corrugated)	sqm	209.81
0204	Curved barge board	each	154.00
0205	Barge Board 2.44 metre long	each	359.95
0206	Barge Board 1.83 metre long	each	269.49
0207	Drop end for plain ended valley gutter One piece plain angular ridge 1.22 metres long	each	155.92
0208	Plain ended valley gutters Serrated or plain wing Adjustable Ridge 1.22 m long	pair	213.67
0209	Close fittings adjustable ridge 1.10 m long	pair	242.54
0210	Drop end for plain ended valley gutter North light adjustable ridge 1.22 mm long	pair	213.67
0211	Plain ended valley gutters Ridge finials	pair	109.72
0212	Plain ended valley gutters Unserrated adjustable ridge for hips	pair	213.67
0213	Plain ended valley gutters Roof light (1.82 metre long)	each	1154.94
0214	Apron flashing pieces	each	150.14
0215	Drop end for plain ended valley gutter Eaves filler pieces	each	109.72
0216	Drop end for plain ended valley gutter North light ventilator curves	each	263.72
0219	Drop end for plain ended valley gutter Expansion joint for North light curves	each	161.69
0220	Drop end for plain ended valley gutter Expansion joint for ridges	pair	302.21
0221	Drop end for plain ended valley gutter Louvers 'S' type (1.75 m)	each	127.05
0222	Seam bolts nuts 6mm dia and 25mm long	10 Nos	41.62
0223	Non-Asbestos fibre (high impact poly propylene reinforced) cement corrugated sheet 6 mm thick	sqm	260.14
0224	Non-Asbestos fibre (high impact poly propylene reinforced) cement close fitting adjustable ridge	metre	218.52
0225	Non-Asbestos fibre (high impact poly propylene reinforced) cement corrugate serrated adjustable ridge	metre	218.52
0226	Non-Asbestos fibre (high impact poly propylene reinforced) cement plain wing adjustable ridge	metre	208.12
0227	Non-Asbestos fibre (high impact poly propylene reinforced) cement unserrated adjustable ridge for hips	metre	312.17
0228	Non-Asbestos fibre (high impact poly propylene reinforced) cement corrugated apron piece	metre	234.12
0229	Non-Asbestos fibre (high impact poly propylene reinforced) cement eaves filler piece	each	182.10
0230	Non-Asbestos fibre (high impact poly propylene reinforced) cement north light curves	metre	322.57
0231	Non-Asbestos fibre (high impact poly propylene reinforced) cement ventilator curves	each	426.63
0232	Non-Asbestos fibre (high impact poly propylene reinforced) cement barge boards 6mm thick	metre	426.63
0233	Non-Asbestos fibre (high impact poly propylene reinforced) cement ridge finial	pair	166.49
0234	Non-Asbestos fibre (high impact poly propylene reinforced) cement special north light curves	each	572.31
0235	Non-Asbestos fibre (high impact poly propylene reinforced) cement S type louvers	each	260.14

Code No	Description	Unit	Present Approved rate
1	2	3	4
0236	Non-Asbestos fibre (high impact poly propylene reinforced) cement cement boards 6mm thick	sqm	208.12
0237	Non-Asbestos fibre (high impact poly propylene reinforced) cement cement boards 8mm thick	sqm	260.14
0285	Brick Aggregate (Single size) 63 mm nominal size	cum	1378.65
A	For Urban Patna	cum	1470.00
B	For Purnea, Saharsa, Bhagalpur, Munger & Darabhaga	cum	1407.00
C	For other places	cum	1378.65
D	For Patna Rural	cum	1436.40
0286	Brick Aggregate (Single size) 50 mm nominal size	cum	1378.65
A	For Urban Patna	cum	1470.00
B	For Purnea, Saharsa, Bhagalpur, Munger & Darabhaga	cum	1407.00
C	For other places	cum	1378.65
D	For Patna Rural	cum	1436.40
0287	Brick Aggregate (Single size) 40 mm nominal size	cum	1378.65
A	For Urban Patna	cum	1470.00
B	For Purnea, Saharsa, Bhagalpur, Munger & Darabhaga	cum	1407.00
C	For other places	cum	1378.65
D	For Patna Rural	cum	1436.40
0291	Stone Aggregate (Single size) 63 mm nominal size	cum	458.12
0292	Stone Aggregate (Single size) 50 mm nominal size.	cum	458.12
0293	Stone Aggregate (Single size) 40 mm nominal size	cum	472.54
0294	Stone Aggregate (Single size) 25 mm nominal size	cum	563.31
0295	Stone Aggregate (Single size) 20 mm nominal size	cum	590.84
0296	Stone Aggregate (Single size) 12.5 mm nominal size	cum	689.78
0297	Stone Aggregate (Single size) 10 mm nominal size	cum	659.07
0298	Stone Aggregate (Single size) 6 mm nominal size	cum	437.69
0302	Safeda bailies 125 mm diameter	metre	43.71
0303	Cowdung	cum	49.95
0304	Bajri	cum	1040.57
0305	Bamboo 25mm dia 2.5 meter long	score	364.20
0308	Bhusa	quintal	416.22
0309	Paving bitumen S-90 of approved quality	tonne	41622.58
0310	Bitumen emulsion	tonne	27365.10
0312	Bitumen grade PMB- 40	tonne	43079.37
0313	Blown type petroleum bitumen of Plnitrah on 85/25 of approved quality	tonne	38500.88
0314	Bitumen hot sealing compound Grade A	kilogram	27.05
0316	Bitumen hot sealing compound Bitumen solution primer of approved quality	litre	46.83
0317	Premoulded joint filler 12 mm thick	sqm	364.20
0318	Bitumen felt fibre base (vegetable or animal) :As per IS 7193 Grade I	sqm	62.43
0319	Bitumen felt as per IS 7193 Grade II	sqm	79.08
0322	Bitumen felt Type 3 grade I conforming to IS : 1322	sqm	62.43
0323	Separation Membrane of impermeable plastic sheeting 125 micron thick	sqm	12.48
0324	Coal tar	litre	31.21
0325	Blasting Material Blasting powder	kilogram	36.42
0326	Blasting Material Blasting fuse (fuse wire)	each	15.61
0328	White face insulating board: 12 mm thick	sqm	374.61
0332	Natural colour insulating board: 12 mm thick	sqm	280.95
0336	Flame retardant face insulating board: 12 mm thick	sqm	327.78

Code No	Description	Unit	Present Approved rate
1	2	3	4
0339	Flame retardant face insulating board: Impregnated fibre board 12 mm thick	sqm	364.20
0341	Flat pressed 3 layer particle board (medium density) Grade I 12 mm thick	sqm	338.18
0346	Extra for veneered particle board with Teak veneering on one side and commercial veneering on other side	sqm	270.55
0347	Extra for veneered particle board with Commercial veneering on both sides	sqm	176.89
0348	Extra for veneered particle board with Teak veneering on both sides	sqm	520.28
0349	Curing compound	litre	52.02
0362	Brick bats	cum	1135.05
A	For Urban Patna	cum	1236.90
B	For Purnea, Saharsa, Bhagalpur, Munger & Darabhaga	cum	1168.65
C	For other places	cum	1135.05
D	For Patna Rural	cum	1185.45
0364	Wire brush	each	20.81
0365	Soft brush	each	18.73
0367	Portland Slag cement (P.S.C.)	tonne	6131.27
0367A	Patna	tonne	6405.94
0367B	Muzaffarpur	tonne	6405.94
0367C	Darbhanga	tonne	6405.94
0367D	Bhagalpur	tonne	6405.94
0367E	Munger	tonne	6156.24
0367F	Saharsa	tonne	6405.94
0367G	Purnea	tonne	6405.94
0367H	Gaya	tonne	6131.27
367 I	Saran	tonne	6308.33
0367	Portland pozaiona cement (P.P.C.)	tonne	4676.20
0367A	Patna	tonne	5336.77
0367B	Muzaffarpur	tonne	5336.77
0367C	Darbhanga	tonne	5425.30
0367D	Bhagalpur	tonne	5336.77
0367E	Munger	tonne	5284.56
0367F	Saharsa	tonne	5425.30
0367G	Purnea	tonne	5425.30
0367H	Gaya	tonne	4676.20
367 I	Saran	tonne	5216.46
0368	White cement	tonne	14567.90
0369	Plastic sheath, 1.25 mm thick for dowel bars	sqm	31.21
0370	Coal (Steam)	quintal	416.22
0371	Sealant primer	kg	130.07
0373	Cramp Gun metal 25x6x300 mm	each	83.25
0374	Pre moulded Joint filler, 25 mm thick for expansion joint.	sqm	520.28
0378	Brass butt hinges (Light/Ordinary type) 125x70x4 mm	ten	884.48
0379	Brass butt hinges (Light/Ordinary type) 100x70x4 mm	ten	728.39
0380	Brass butt hinges (Light/Ordinary type) 75x40x2.5 mm	ten	447.44
0381	Brass butt hinges (Light/Ordinary type) 50x40x2.5 mm	ten	187.30
0382	Brass butt hinges (heavy type) 125x85x5.5 mm(0.70kg)	ten	3225.75
0383	Brass butt hinges (heavy type; 100x85x5.5 mm(0.56kg)	ten	2861.55
0384	Brass butt hinges (heavy type) 75x65x4.0 mm(0.20kg)	ten	988.53
0385	Brass parliamentary hinges 150x125x27x5 mm	ten	2965.61

Code No	Description	Unit	Present Approved rate
1	2	3	4
0386	Brass parliamentary hinges 125x125x27x5 mm	ten	2601.42
0387	Brass parliamentary hinges 100x125x27x5 mm	ten	2393.30
0388	Brass parliamentary hinges 75x100x20x3.2 mm	ten	1820.99
0389	Brass single acting spring hinges 150 mm	each	322.57
0390	Brass single acting spring hinges 125 mm	each	280.95
0391	Brass single acting spring hinges 100 mm	each	176.89
0392	Brass double acting Spring Hinges 150mm	each	520.28
0393	Brass double acting Spring Hinges 125mm	each	385.01
0394	Brass double acting Spring Hinges 100mm	each	332.98
0400	Brass tower bolts (barrel type) 250x10 mm	each	239.33
0401	Brass tower bolts (barrel type) 200x10 mm	each	187.30
0402	Brass tower bolts (barrel type) 150x10 mm	each	150.89
0403	Brass tower bolts (barrel type) 100x10 mm	each	98.85
0404	Brass flush bolts 250 mm	each	156.08
0405	Brass flush bolts 150 mm	each	135.27
0406	Brass flush bolts 100 mm	each	93.65
0408	Brass handles 125mm with plate 175x32 mm	each	145.68
0409	Brass handles 100mm with plate 150x32 mm	each	135.27
0410	Brass handles 75mm with plate 125x32 mm	each	104.06
0411	Brass door latch 300x16x5 mm (0.380 Kg)	each	171.70
0412	Brass door latch 250x16x5 mm (0.350 Kg)	each	166.49
0413	Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	385.01
0414	Brass mortice latch 100x65 mm with a pair of brass level handles	each	332.98
0417	Brass 150mm floor door stopper (0.357 Kg)	each	176.89
0418	Brass hard drawn hooks and eyes 300mm	10 nos	780.42
0419	Brass hard drawn hooks and eyes 250 mm	ten	728.39
0420	Brass hard drawn hooks and eyes 200 mm	ten	671.17
0421	Brass hard drawn hooks and eyes 150 mm	ten	645.15
0422	Brass hard drawn hooks and eyes 100 mm	ten	546.30
0423	Brass casement window fastener	each	52.02
0424	Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	140.48
0425	Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	114.46
0426	Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg	each	104.06
0427	Brass quadrant stays 300 mm	each	130.07
0428	Brass fanlight catch	each	182.10
0429	Brass fanlight pivot	ten	202.91
0430	Brass chain with hook for fan light catch	each	41.62
0431	Brass hasps and Staples (Safety type) 300 mm	ten	806.44
0432	Brass hasps and Staples (Safety type) 115 mm	ten	676.37
0433	Brass hasps and Staples (Safety type) 90 mm	ten	582.71
0438	Brass Night latch	each	515.08
0442	Brass helical Spring 150 mm	each	322.57
0443	Brass curtain rod 12 mm dia 1.25 mm thick	metre	87.39

Code No	Description	Unit	Present Approved rate
1	2	3	4
0444	Brass curtain rod 20 mm dia 1.25 mm thick	metre	119.66
0445	Brass curtain rod 25 mm dia 1.25 mm thick	metre	140.48
0446	Brass brackets (curtain rods) 20 mm	each	43.71
0447	Brass cupboard knob or ward robe knob 50 mm	each	36.42
0449	Brass screws 50 mm	cent	218.52
0450	Brass screws 40 mm	cent	176.89
0451	Brass screws 30 mm	cent	140.48
0452	Bras screws 25 mm	cent	98.85
0453	Brass screws 20 mm	cent	93.65
0524	Chromium plated Brass butt hinges (heavy) type 75x65x4.0 mm (200gms)	10Nos.	1040.57
0525	Chromium plated Brass butt hinges (light / ordinary) type 125x70x4.0 mm	10 Nos.	884.48
0526	Chromium plated Brass butt hinges (light / ordinary) type 100x70x4.0 mm	10Nos.	728.39
0527	Chromium plated Brass butt hinges (light / ordinary) type 75x40x2.5 mm	10 Nos.	478.66
0528	Chromium plated Brass butt hinges (light / ordinary) type 50x40x2.5 mm	10 Nos.	208.12
0555	Chromium plated Brass handles 125mm with plate 175x32mm	each	182.10
0556	Chromium plated Brass handles 100mm with plate 150x32mm	each	156.08
0557	Chromium plated Brass handles 75mm with plate 125x32mm	each	135.27
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	561.90
0568	Chromium plated Brass casement window fastner	each	98.85
0569	Chromium plated Brass casement stays (straight peg type) 300mm weighing not less than 0.33 Kg.	each	156.08
0570	Chromium plated Brass casement stays (straight peg type) 250mm weighing not less than 0.28 Kg.	each	135.27
0571	Chromium plated Brass casement stays (straight peg type) 200mm weighing not less than 0.24 Kg	each	119.66
0583	Chromium plated Brass single acting spring hinges Night latch	each	551.50
0584	Chromium plated Brass .Wardrobe Knob 50 mm	each	49.95
0585	Chromium plated Brass screws 50mm	100 Nos	249.74
0586	Chromuim plated Brass screws 40mm	100 Nos	208.12
0587	Chromium plated Brass screws 30mm	100 Nos	161.29
0588	Chromium plated Brass screws 25mm	100 Nos	124.87
0589	Chromium plated Brass screws 20mm	100 Nos	104.06
0590	Chromium plated brass curtain rod 12 mm dia 1.25 mm thick	meter	197.70
0591	Chromium plated brass curtain rod 20 nm dia 1.25 mm thick	meter	270.55
0592	Chromiurr: plated brass curtain rod 25 mm dia 1.25 mm thick	meter	364.20
0594	Brigh finish or black enameted mild steel butt hinges 125x65x2.12mm	10 Nos	145.68
0595	Brigh finish or black enameted mild steel butt hinges 100x58x1.90mm	10 Nos	88.45
0596	Brigh finish or black enameted mild steel butt hinges 75x47x1.70 mm	10 Nos	62.43
0597	Brigh finish or black enameted mild steel butt hinges 50x37x1.50 mm	10 Nos	52.02

Code No	Description	Unit	Present Approved rate
1	2	3	4
0598	150x125x27x2.80 mm porliamentary hinges	10 Nos	384.98
0599	125x125x27x2.80 mm porliamentary hinges	10 Nos	346.49
0600	100x125x27x2.80 mm popliamentary hinges	10 Nos	230.99
0601	75x100x20x2.24 mm parliomentory hinges	10 Nos	183.60
0602	150 mm single acting spring hinges	each	111.05
0603	125 mm single acting spring hinges	each	96.25
0604	100 mm single acting spring hinges	each	77.00
0605	150 mm double acting spring hinges	each	134.75
0606	125 mm double acting spring hinges	each	109.57
0607	100 mm double acting spring hinges	each	69.58
0608	Nickel plated mild steel piano hinges 1 mm thick 35 mm wide	metre	41.62
0614	300x20x6 mm door latch	each	38.50
0615	250x20x6 mm door latch	each	31.10
0620	125 mm handles	each	7.41
0621	100 mm handles	each	5.92
0622	75 mm handles	each	4.44
0632	115 mm hasper & stopler (safety type)	10 Nos	87.37
0633	90 mm hasper & stopler (safety type)	10 Nos	68.11
0635	Brigh finish or black enameled mild steel screws 50 mm	100 Nos	67.64
0636	Oxidiged mild steel 45 mm screw	100 Nos	48.85
0637	Bright finish or black enameled mild steel screws 40 mm	100 Nos	52.02
0638	Bright finish or black enameled mild steel screws 30 mm	100 Nos	41.62
0639	Bright finish or black enameled mild steel screws 25 mm	100 Nos	36.42
0640	Bright finish or black enameled mild steel screws 20 mm	100 Nos	31.21
0641	Mild steel fittings bright finished or black enameled bolts and nuts 50 X 6mm	each	7.28
0642	Oxidised mild steel butt hinges 125x65x2.12mm	10 Nos	145.68
0643	Oxidised mild steel butt hinges 100x58x1.90mm	10 Nos	93.65
0644	Oxidised mild steel butt hinges 75x47x1.70mm	10 Nos	67.64
0645	Oxidised steel mild butt hinges 50x37x1.50mm	10 Nos	57.23
0646	Oxidised steel mild parliamentary hinges 150x125x27x2.80 mm	10 Nos	353.80
0647	Oxidised steel mild parliamentary hinges 125x125x27x2.80 mm	10 Nos	327.78
0648	Oxidised steel mild parliamentary hinges 100x125x27x2.80 mm	10 Nos	244.53
0649	Oxidised steel mild parliamentary hinges 75x100x20x2.24 mm	10 Nos	208.12
0650	Oxidised mild steel Single acting spring hinges 150mm	each	119.66
0651	Oxidised mild steel Single acting spring hinges 125 mm	each	114.46
0652	Oxidised mild steel Single acting spring hinges 100 mm	each	93.65
0653	Oxidised mild steel double acting spring hinges 150 mm	each	119.66
0654	Oxidised mild steel double acting spring hinges 125 mm	each	114.46
0655	Oxidised mild steel double acting spring hinges 100 mm	each	93.65
0656	Nickel plated mild steel piano, hinges 1 mm thick 35mm wide	metre	46.83
0660	Oxidised mild steel sliding door bolts 300x16mm	each	98.85
0661	Oxidised mild steel sliding door bolts 250x16mm	each	93.65
0662	Oxidised mild steel door latch 300x20x6 mm	each	49.95

Code No	Description	Unit	Present Approved rate
1	2	3	4
0663	Oxidised mild steel door latch 250x20x6 mm	each	41.62
0664	Oxidised mild steel tower bolts (barrel type) 250x10 mm	each	46.83
0665	Oxidised mild steel lower bolts (barrel type) 200x10 mm	each	41.62
0666	Oxidised mild steel tower bolts (barrel type) 150x10 mm	each	31.21
0667	Oxidised mild steel tower bolts (barrel type) 100x10 mm	each	26.02
0668	Oxidised mild steel handles 125 mm	each	19.77
0669	Oxidised mild steel handles 100 mm	each	16.65
0670	Oxidised mild steel handles 75 mm	each	15.61
0679	Oxidised mild steel hasps and staples (safety type) 150 mm	10 Nos	130.07
0680	Oxidised mild steel hasps and staples (safety type) 115 mm	10 Nos	104.06
0681	Oxidised mild steel hasps and staples (safety type) 90 mm	10 Nos	78.04
0682	Oxidised mild steel screws 50 mm	100 Nos	78.04
0683	Oxidised mild steel screws 40 mm	100 Nos	62.43
0684	Oxidised mild steel screws 30 mm	100 Nos	57.23
0685	Oxidised mild steel screws 25 mm	100 Nos	46.83
0686	Oxidised mild steel screws 20 mm	100 Nos	36.42
0687	Anodised Aluminium butt hinges 125x75x4 mm	10 Nos	593.12
0688	Anodised Aluminium butt hinges 125x63x4 mm	10 Nos	551.50
0689	Anodised Aluminium butt hinges 100x75x4 mm	10 Nos	541.09
0690	Anodised Aluminium butt hinges 100x63x3.2 mm	10 Nos	520.28
0691	Anodised Aluminium butt hinges 100x63x4 mm	10 Nos	530.69
0692	Anodised Aluminium butt hinges 75x63x4 mm	10 Nos	520.28
0693	Anodised Aluminium butt hinges 75x63x3.2 mm	10 Nos	489.07
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	405.82
0695	Anodised Aluminium butt hinges 50x35x3.2 mm	10 Nos	106.62
0696	Anodised Aluminium silding door bolt 300x16 mm	each	166.49
0697	Anodised Aluminium silding door bolt 250x16 mm	each	135.27
0698	Anodised Aluminium tower bolt (barrel type)300xi0 mm	10 Nos	780.42
0699	Anodised Aluminium tower bolt (barrel type)250x10 mm	10 Nos	624.34
0700	Anodised Aluminium tower bolt (barrel type)200x10 mm	10 Nos	499.47
0701	Anodised Aluminium tower bolt (barrel type) 150x10 mm	10 Nos	395.41
0702	Anodised Aluminium tower bolt (barrel type) 100x10 mm	ten	312.17
0703	Anodised Aluminium handles 125 mm with plate 175x32 mm	ten	520.28
0704	Anodised Aluminium nandies 100 mm with plate 150x32 mm	ten	395.41
0705	Anodised Aluminium handles 75 mm with plate 125x32 mm	ten	332.98
0706	Anodised Aluminium kicking plate 50cm long 100x3.15 mm	each	135.27
0713	Block Board Construction flush door with teak wood ply on both faces 35 mm thick	sqm	1768.96
0714	Block Board Construction flush door with teak wood ply on both faces 30 mm thick	sqm	1612.87
0715	Block Board Construction flush door with teak wood ply on both faces 25 mm thick	sqm	1456.79
0717	Block board construction flush door with Commercial ply on both faces 35 mm thick	sqm	1196.65
0718	Block board construction flush door with Commercial ply on both faces 30 mm thick	sqm	1040.57

Code No	Description	Unit	Present Approved rate
1	2	3	4
0719	Block board construction flush door with Commercial ply on both faces 25 mm thick	sqm	936.51
0752	Block board construction flush door lipping	sqm of door area	312.17
0753	Square vision Panel in Block board construction flush door	sqm of door area	119.66
0754	Circular Vision Panel in block board construction flush door	sqm of door area	187.30
0755	Decorative type Louvers in Block board construction flush door	sqm of door area	322.57
0757	Rebate cutting in Block board construction flush door	sqm of door area	88.45
0759	Decorative Plywood 4 mm	sqm	437.03
0761	Fuel Wood	quintal	520.28
0763	Glue	kilogram	70.76
0765	Hessian cloth	sqm	26.02
0768	Jali (cement concrete) 50mm thick	sqm	218.52
0769	Jali (cement concrete) 40mm thick	sqm	187.30
0770	Jali (cement concrete) 25mm thick	sqm	156.08
0771	Kerosene oil	litre	46.83
0773	Lime Unslaked lime	quintal	312.17
0775	Lime Dehradun white lime	quintal	499.47
0776	Lime Satna lime	quintal	312.17
0777	Lime Dry hydrated lime (factory made)	quintal	239.33
0784	Marble dust / powder	cum	1040.57
0785	Marble chips upto 4mm and down size White & black	quintal	208.12
0786	Marble chips upto 4mm and down size Chocolate, grey or yellow	quintal	170.29
0787	Marble chips upto 4mm and down size Baroda green	quintal	170.29
0788	Marble chips Large size above 4mm. white & black	quintal	208.12
0801	Silicon and acrylic emulsion	litre	208.12
0802	Acrylic distemper 1st quality , having VOC content less than 50gm/litre	Kg	39.54
0803	Acrylic emulsion , having VOC content less than 50 gm/litre	litre	260.14
0804	Premium acrylic emulsion of interior grade, having VOC content less than 50 gm/litre	litre	364.20
0805	Synthetic enamel paint , having VOC (Volatile Organic Compound) content less than 150 gm/litre	litre	228.93
0806	Ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 gms/litre	litre	124.87
0807	Ready mixed red oxide zinc chromatic on steel/ iron work, having VOC content less than 250 gms/litre	litre	135.27
0808	Water thinnable cement primer for interior wall surface, having VOC content less than 50 gms/litre	litre	62.43
0809	Exterior Primer	kg	41.62
0810	Moorum	cum	139.95
0811	Mud (dry)	cum	62.43
0815	Dry Distemper	kilogram	37.46
0816	Oil bound washable distemper / Acrylic distemper	kilogram	46.83
0818	Oil / Fuel Linseed oil (double boiled)	litre	114.46

Code No	Description	Unit	Present Approved rate
1	2	3	4
0820	Primers Cement primer	litre	93.65
0821	Primers Distemper primer	litre	93.65
0823	Primers Pink primer (for wood)	litre	93.65
0824	White cement based putty	kg	24.97
0826	Aluminium paint	litre	135.27
0827	Acid proof paint (chocolate or black)	litre	156.08
0828	Anti-corrosive bituminous paint (black)	litre	93.65
0829	Black Japan	litre	98.85
0830	Enamel paint	litre	166.49
0831	Floor enamel paint in all shades except green	litre	124.87
0833	Synthetic enamel paint black or chocolate shade	litre	135.27
0834	Synthetic enamel paint in ail shades except black or chocolate	litre	145.68
0835	Plastic emulsion paint	litre	187.30
0845	Roofing paint for iron sheets in red colour	litre	124.87
0850	White lead	kilogram	93.65
0851	Water proofing cement paint Snowcem Plus	kilogram	46.83
0855	Polish Wax polish (ready made)	kilogram	208.12
0856	Varnishes Ordinary varnish	litre	78.04
0857	Varnishes Superior copal varnish	litre	130.07
0858	Varnishes Superior spar varnish	litre	130.07
0859	Oil type wood preservative	litre	83.25
0863	Polish Putty for wood work	kilogram	31.21
0865	Pigments Pig lead	kilogram	130.07
0868	Premixed super white gypsum plaster.	kg	7.28
0869	Plaster of Paris	kilogram	4.16
0870	Pigments Plug	each	10.40
0873	Pigments Pins - Copper pins 6 mm dia 7.5cm long	each	10.40
0874	Pigments black colour dark shade	kilogram	57.23
0875	Pigments Red chocolate orange buff or yellow (red oxide of iron) light shade	kilogram	78.04
0876	Pigments green or blue medium shade	kilogram	67.64
0886	standard holdar bat clamps for sand cast iron or cast iron pipes 150mm dia	each	26.02
0966	sand cast iron plain shoe 150mm dia	each	338.18
0967	pigments plate -copper	kilogram	280.95
0969	Pulleys 25mm dia	each	36.42
0973	Rolling shutters and its parts Rolling shutter made of 80X1.25mm machine rolled laths	sqm	1300.71
0974	Rolling shutters and its parts Top cover for rolling shutters	metre	624.34
0975	Rolling shutters and its parts 27.5cm long wire spring grade No 2 for rolling Shutters	each	291.36
0976	Rolling shutters and its parts ball bearing for rolling shutters	each	343.39
0977	Extra for mechanical devices chain and cranked operation for operating rolling shutters Exceeding 10.00 sqm and upto 16.80 sqm area of door	sqm	572.31
0978	Extra for mechanical devices chain and cranked operation for operating rolling shutters Exceeding 16.80 sqm area of door	sqm	603.53

Code No	Description	Unit	Present Approved rate
1	2	3	4
0979	Royalty for good earth	cum	31.21
0980	Royalty for sludge	cum	93.65
0982	Sand Coarse sand Doriganj equivalent to Koilwar/Sone sand	cum	286.70
982A	Sand Coarse sand quarry at Koilwar/Sone		146.67
0983	Fine sand (zone IV)	cum	124.54
0992	Galvanised steel plain sheets	quintal	5410.94
0994	Standard quality hard board sheet 3mm thick	sqm	130.07
0996	Sheets standard quality had board sheet 4.5mm thick	sqm	156.08
0999	Polish shellac	kilogram	218.52
1000	Oil/Fuel spirit	litre	72.84
1003	<u>Mild steel round bar above 12mm dia</u>	quintal	3606.75
1001	Spun yarn	kilogram	41.62
1002	<u>Mild steel round bar 12mm dia and below</u>	quintal	3606.75
1004	<u>Mild steel wire rod</u>	quintal	3591.00
1004A	5.5mm	quintal	3606.75
1004B	6.0mm	quintal	3591.00
1004C	6.5mm	quintal	3575.25
1004D	7.0mm	quintal	3559.50
1004E	8.00mm	quintal	3543.75
1004F	10.0mm	quintal	3606.75
1004G	12.0/12.7mm	quintal	3606.75
1005	<u>Steel T.M.T. Bars Fe 500</u>	quintal	3496.50
1005A	TMTC-500-8mm	quintal	3685.50
1005B	TMTC-500-10mm	quintal	3580.50
1005C	TMTC-500-12mm	quintal	3528.00
1005D	TMT FE-500-16mm	quintal	3554.25
1005E	TMT FE-500-20mm	quintal	3496.50
1005F	TMT FE-500-25mm	quintal	3496.50
1005G	TMT FE-500-28mm	quintal	3496.50
1005H	TMT FE-500-32mm	quintal	3496.50
1005 I	TMT FE-500-36mm	quintal	3496.50
1006	Mild steel square bars	quintal	3936.99
1007 A	<u>STEEL JOIST</u>	quintal	4195.21
a	200X100	quintal	4195.21
b	225X110	quintal	4195.21
c	250X125	quintal	4259.46
d	300X140	quintal	4259.46
e	350X140	quintal	4390.39
f	400X140	quintal	4518.75
g	450X150	quintal	4637.00
h	500X180	quintal	4755.25
i	600X210	quintal	5110.22
1007B	<u>STEEL CHANNEL</u>	quintal	3344.25
a	75X40	quintal	3344.25
b	100X50	quintal	3344.25

Code No	Description	Unit	Present Approved rate
1	2	3	4
c	125X65	quintal	3344.25
d	150X75	quintal	3344.25
e	175X75	quintal	3344.25
f	200X75	quintal	3344.25
g	250X82	quintal	3344.25
h	300X90	quintal	3344.25
i	400X100	quintal	3344.25
1007C	STEEL ANGLES	quintal	4126.50
a	50x50x6	quintal	4126.50
b	60X60X6	quintal	4126.50
c	65X65X6	quintal	4126.50
d	75X75X6	quintal	4126.50
e	80X80X8/10/12	quintal	4126.50
f	90X90X6	quintal	4126.50
g	100X100X8/10/12	quintal	4126.50
h	110X110X8/10/12	quintal	4126.50
i	130X130X10/12	quintal	4126.50
j	150X150X12/16/20	quintal	4126.50
k	200X200X16/18/26	quintal	4126.50
1008	Flats upto 10mm in thickness	quintal	4370.37
1009	Flats exceeding 10mm in thickness	quintal	4682.54
1010	Mild steel plates	quintal	4890.66
1011	Steel glazed door,window/ ventilator, all members viz. F7D, F4B,K11 and K12B etc.	kg	49.95
1013	Mild steel sheets for tanks	quintal	5098.76
1015	Mild steel expanded metal 20x60 mm strands	sqm	301.76
1019	Mild steel hooks	each	36.42
1020	Mild steel rivets	quintal	5202.82
1021	Hard drawn steel wire fabric	sqm	447.44
1022	Galvanised steel bolts and nuts 6mm dia. And 25mm long round head with slots	ten	26.02
1023	Galvanised steel J or L hooks 8mm dia.	Ten	114.46
1024	Galvanised steel bolts and nuts 10mm dia. and 125mm long	each	12.48
1025	Mild steel bolts 6mm dia and 25mm long with hexagonal head	ten	31.21
1028	Straining bolts	each	72.84
1029	Galvanised steelL barbed wire	quintal	5410.94
1030	Galvanised steel turn buckles	each	17.69
1031	Galvanised steel bolts & nut 10mm dia 27cm long both sides threaded with 4 galvanised steel nuts	each	26.02
1032	Galvanised steel bolts 10mm dia 7cm long with nuts	each	20.81
1034	Bolts and nuts upto 300mm in length	quintal	5827.16
1035	Bolts and nuts above 300mm in length	quintal	5827.16
1036	Iron Pintels including welded pin	each	41.62
1143	Steel Beading	metre	26.02
1145	Aluminium Plain Strip edging 38x12x3 mm	metre	104.06
1149	Glass strips 4mm thick 40mm deep	metre	9.36
1151	Boundry stone top chisel dressed 15x15x90cm	each	62.43

Code No	Description	Unit	Present Approved rate
1	2	3	4
1154	Through and bond stone	100 nos	1248.67
1157	Stone for masonry work	cum	728.39
1158	Stone for pitching 15cm x 22.5cm	cum	468.26
1159	Stone dust	cum	104.67
1160	Red sand stone block	10 cudm	67.64
1161	White sand stone block	10 cudm	72.84
1163	White sand stone slab 75mm thick (un-dressed)	sqm	312.17
1164	Red sand stone slab 40mm thick (undressed)	sqm	166.49
1165	White sand stone slab 40mm thick (undressed)	sqm	187.30
1166	Red sand stone slab 30mm thick (undressed)	sqm	135.27
1168	Kota stone slab 20mm to 25mm thick (semi-polished)	sqm	301.76
1169	Kota stone slab 25mm thick (rough chiselled)	sqm	218.52
1174	Red sand stone slab 45/50mm thick (un-polished)	sqm	178.98
1175	White sand stone slab 45/50mm thick (undressed)	sqm	234.12
1177	Stone grit 6 mm and down size or pia sized grand	cum	962.52
1179	Crushed stone 2.36 mm to 12.5 mm size	cum	988.53
1182	Surkhi	cum	1941.45
A	Uraban Patna	cum	1941.45
B	For Purnia, Bhagalpur, Saharasa, Munger, Darabhanga	cum	1861.65
C	For other places	cum	1797.60
D	For Patna Rural	cum	1874.25
1186	Superior class teak wood such as Dandeli, Balarshah or Malabar in planks	10 cudm	1144.62
1187	First class teak wood in scantling	10 cudm	832.45
1188	First class teak wood in planks	10 cudm	884.48
1189	Second class teak wood in scantling	10 cudm	686.77
1190	Second class teak wood in planks	10 cudm	754.41
1194	Second class deodar wood in planks	10 cudm	520.28
1196	First class kail wood in planks	10 cudm	322.57
1197	Second class kail wood in scantling	10 cudm	270.55
1198	Second class kail wood in planks	10 cudm	270.55
1199	Sal wood in scantling	10 cudm	541.09
1195	Local wood in scantling	10 cudm	332.53
1200	Kiln seasoned selected sheesham wood planks	10 cudm	676.37
1201	Precast terrazo tiles 22 mm thick (light shade)	sqm	270.55
1202	Precast terrazo tiles 22 mm thick (medium shade)	sqm	249.74
1203	Precast terrazo tiles 22 mm thick (dark shade)	sqm	228.93
1204	Precast heat resistant terrace tiles (size 300x300 mm) and 20 mm thick	sqm	501.55
1207	Washers Cadmium coated G.I. limpet washer	cent	36.42
1208	Washers Bitumen washer	cent	31.21
1209	Washers G.I. plain washer thick	cent	36.42
1210	Washers G.I. plain washer thin	cent	33.30
1211	Washers G.I. plain washer for seam bolts	cent	31.21
1213	Water proofing compound 'Impermo' of Snowcem India Ltd.	kilogram	33.30
1214	Welding By gas plant	cm	2.08

Code No	Description	Unit	Present Approved rate
1	2	3	4
1215	Welding By electric plant	cm	1.87
1216	Whiting	quintal	520.28
1219	Wire nails	kilogram	62.43
1220	Wire mesh (Rabbit)	sqm	46.83
1221	20 mm dia holding down bolts	quintal	6035.27
1222	Mild steel sheets with bolts and nuts to rest on lintels	each	135.27
1224	Hard drawn steel wire	quintal	5723.10
1225	Mild steel flat strap fitting	quintal	4630.51
1227	Chequered terrazo tiles 22mm thick (light shade)	sqm	338.18
1228	Chequered terrazo tiles 22mm thick (medium shade)	sqm	296.56
1229	Chequered terrazo tiles 22mm thick (dark shade)	sqm	260.14
1231	Extra for selected planks of second class teak wood	10 cudm	145.68
1234	Aluminium plain strip edging 57x12x3 mm	metre	140.48
1235	Oil / Fuel Diesel oil	litre	50.60
1237	Cutting marble or sand stone slab upto 50mm thick by mechanical device	metre	9.36
1238	Extra for selected planks of first class teak wood	10 cudm	145.68
1239	18 mm thick Flamed finish granite stone slab	sqm	1763.76
1240	18 mm thick Italian Marble stone slab,(slab area up to 0.5 sqm).	sqm	3465.08
1241	Oil / Fuel LPG (Commercial Cylinder)	kg	72.84
1242	Glass mosaic tiles (20 mm x 20 mm x 4 mm).	sqm	1092.59
1243	Tile fixing chemical adhesive	kg	35.38
1244	Cement Polymer Grout Compound	kg	35.38
1245	Acid for cleaning tiles	litre	16.65
1301	Bleaching powder	quintal	1820.99
1304	Surface box for stop cock	each	130.07
1305	Surface box for sluice valve	each	218.52
1307	Surface box for water meter	each	260.14
1309	C.I. bracket for wash basin and sinks	pair	72.84
1314	C.P. brass chain with 32 mm dia rubber plug	each	41.62
1315	C.P. brass chain with 40 mm dia rubber plug	each	41.62
1330	Clamps and M.S. stays including bolts and nuts for 100 mm pipe	each	36.42
1331	M.S. Holder bat clamp of approved design for 10 mm S.C.I.pipe	each	20.81
1332	M.S. Holder bat clamp of approved design for 75mm S.C.I.pipe	each	18.73
1334	Clamps and M.S. stays including bolts and nuts for 50 mm pipe	each	29.14
1335	Clamps and M.S. stays including bolts and nuts for 75 mm pipe	each	31.21
1336	Clearing eye with chain and lid 100 mm dia	each	45.78
1337	Clearing eye with chain and lid 150 mm dia	each	52.02
1339	Brass bib-cock 15 mm dia	each	218.52
1340	Brass bib-cock 20mm dia	each	234.12
1342	Brass stop-cock 15 mm dia	each	218.52
1343	Brass stop-cock 20 mm dia	each	291.36
1350	Mosquito proof coupling of approved design	each	31.21

Code No	Description	Unit	Present Approved rate
1	2	3	4
1352	C.I. cover and frame 300x300 mm inside	each	312.17
1353	C.I. cover without frame 300x300 mm inside i/c cover of 4.50kg	each	234.12
1354	Rectangular cover 455x610 mm with frame (low duty)	each	1560.85
1355	Rectangular cover 455x610 mm without frame (low duty)	each	1040.57
1356	500mm dia cover with frame (medium duty)	each	4942.68
1357	500mm dia cover without frame (medium duty)	each	2393.30
1360	C.I.mouth ,brass ferrule 15 mm dia	each	145.68
1361	C.I.mouth ,brass ferrule 20 mm dia	each	166.49
1362	C.I.mouth ,brass ferrule 20 mm dia	each	228.93
1363	Vitreous china foot rests 250x130x30 mm	pair	104.06
1364	C.I. grating 100x100 mm	each	15.61
1366	C.I. grating 150x150 mm	each	26.02
1367	C.I. grating 180x180 mm	each	31.21
1369	S.C.I. gully or nahani grating 100 mm dia	each	18.73
1373	Rubber insertions for 80 mm dia pipe joints	each	15.61
1374	Rubber insertions for 100 mm dia pipe joints	each	18.73
1375	Rubber insertions for 125 mm dia pipe joints	each	20.81
1376	Rubber insertions for 150 mm dia pipe joints	each	20.81
1377	Rubber insertions for 200 mm dia pipe joints	each	26.02
1378	Rubber insertions for 250 mm dia pipe joints	each	41.62
1379	Rubber insertions for 300 mm dia pipe joints	each	46.83
1380	Rubber insertions for 350 mm dia pipe joints	each	52.02
1381	Rubber insertions for 400 mm dia pipe joints	each	75.96
1382	Rubber insertions for 450 mm dia pipe joints	each	95.73
1383	Rubber insertions for 500 mm dia pipe joints	each	114.46
1384	Rubber insertions for 600 mm dia pipe joints	each	130.07
1392	Mirror of superior make glass 60x45 cm	each	322.57
1396	Vitreous china pedestal for wash basin	each	728.39
1397	Pig lead	kilogram	93.65
1464	S & S.C.I. standard specials up to 300 mm dia (heavy class)	quintal	3746.03
1466	S & S.C.I. standard specials over 300 mm dia (heavy class)	quintal	3850.09
1468	Flanged C.I. standard specials up to 300 mm dia(heavy class)	quintal	5723.10
1470	Flanged C.I. standard specials over 300 mm dia(heavy class)	quintal	6035.27
1472	Casing pipe 100 mm dia	metre	348.59
1532	Flush pipe with union spreaders and clamps all in C.P. brass for single stall	each	280.95
1533	Flush pipe with union spreaders and clamps all in C.P. brass for double stall	each	416.22
1534	Flush pipe with union spreaders and clamps all in C.P. brass for range of three stall	each	541.09
1535	Flush pipe with union spreaders and clamps all in C.P. brass for range of four stall	each	624.34
1540	Flush pipe and spreaders G.I. for single set of one squatting plate urinal	each	182.10
1541	Flush pipe and spreaders G.I. for range of two squatting plates urinal	each	260.14

Code No	Description	Unit	Present Approved rate
1	2	3	4
1542	Flush pipe and spreaders G.I.for range of three squatting plates urinal each	each	312.17
1543	Flush pipe and spreaders G.I.for range of four squatting plates urinal	each	405.82
1545	G.I. pipes 15 mm dia	metre	88.45
1546	G.I. pipes 20 mm dia	metre	114.46
1547	G.I. pipes 25 mm dia	metre	156.08
1548	G.I. pipes 32 mm dia	metre	187.30
1549	G.I. pipes 40 mm dia	metre	228.93
1550	G.I. pipes 50 mm dia	metre	286.16
1551	G.I. pipes 65 mm dia	metre	379.80
1552	G.I. pipes 80 mm dia	metre	478.66
1555	G.I. back (jam) nuts 25 mm dia	each	10.40
1559	G.I. back (jam) nuts 65 mm dia	each	22.90
1608	G.I. tees (equal) 25 mm	each	46.83
1612	G.I. tees (equal) 65 mm	each	291.36
1614	G.I. inlet connection	each	67.64
1616	S.C.I. soil, waste and vent single socketed pipe1.80 metres long: 75mm dia	each	988.53
1617	S.C.I. soil, waste and vent single socketed pipe1.80 metres long:100mm dia	each	1196.65
1618	S.C.I. soil, waste and vent single socketed pipe1.80 metres long: 150mm dia	each	1820.99
1620	S.C.I. plain bend 75 mm dia	each	176.89
1621	S.C.I. plain bend 100 mm dia	each	364.20
1622	S.C.I. plain bend 150 mm dia	each	624.34
1624	S.C.I. bend with access door 75 mm dia	each	208.12
1625	S.C.I. bend with access door 100 mm dia	each	262.22
1627	S.C.I. plain single equal junctions 75x75x75 mm dia	each	275.75
1628	S.C.I. plain single equal junctions 100x100x100 mm dia	each	468.26
1630	S.C.I. single equal junctions75x75x75 mm dia with access door	each	289.28
1631	S.C.I. single equal junctions 100x100x100 mm dia with access door	each	391.25
1633	S.C.I. plain double equal junctions 75x75x75x75 mm dia	each	360.04
1634	S.C.I. plain double equal junctions100x100x100x100 mm dia	each	541.09
1636	S.C.I. double equal junctions75x75x75x75 mm dia with access door	each	442.24
1637	S.C.I. double equal junctions 100x100x100x100 mm dia with access door	each	572.31
1639	Slotted cowl (terminal guard) 75 mm dia	each	157.13
1640	Slotted cowl (terminal guard) 100 mm dia	each	197.70
1641	G.I. Union 15 mm nominal bore	each	57.23
1642	G.I. Union 20 mm nominal bore	each	78.04
1643	G.I. Union 25 mm nominal bore	each	88.45

Code No	Description	Unit	Present Approved rate
1	2	3	4
1644	G.I. Union 32 mm nominal bore	each	124.87
1645	G.I. Union 40 mm nominal bore	each	192.50
1646	G.I. Union 50 mm nominal bore	each	228.93
1647	G.I. Union 65 mm nominal bore	each	447.44
1648	G.I. Union 80 mm nominal bore	each	530.69
1649	Polyethylene water storage tank with cover and suitable locking arrangement	pair litre	4.68
1653	Sand cast iron S&S plain single unequal junctions : 100x100x75 mm dia	each	385.01
1656	Sand cast iron S&S single unequal junctions: 100x100x75 mm dia with access door	each	416.22
1659	Sand cast iron S&S plain double unequal junctions : 100x100x75x75 mm dia	each	572.31
1662	Sand cast iron S&S double unequal junctions: 100x100x75x75 mm dia with access door	each	572.31
1666	Sand cast iron heel rest bend 75 mm dia	each	228.93
1667	Sand cast iron heel rest bend 100 mm dia	each	260.14
1669	S.C.I. single equal invert branch of required degree 75x75x75 mm dia	each	332.98
1670	S.C.I. single equal invert branch of required degree 100x100x100 mm dia	each	426.63
1672	S.C.I. double equal invert branch of required degree 75x75x75x75 mm dia	each	426.63
1673	S.C.I. double equal invert branch of required degree 100x100x100x100 mm dia	each	572.31
1674	S.C.I. single unequal invert branch of required degree 100x100x75 mm dia	each	515.08
1677	S.C.I. double unequal invert branch of required degree 100x100x75x75 mm dia	each	593.12
1682	S.C.I. door pieces 75 mm dia	each	286.16
1683	S.C.I. door pieces 100 mm dia	each	416.22
1685	S.C.I. collar 75 mm dia	each	117.58
1686	S.C.I. collar 100 mm dia	each	148.80
1687	Unplasticised P.V.C. connection pipe with brass union 30 cm long 15 mm bore	each	31.21
1688	Unplasticised P.V.C. connection pipe with brass union 30 cm long 20 mm bore	each	36.42
1689	Unplasticised P.V.C. connection pipe with brass union 45 cm long 15 mm bore	each	36.42
1690	Unplasticised P.V.C. connection pipe with brass union 45 cm long 20 mm bore	each	49.95
1693	S.C.I. hand pump	each	697.18
1700	R.C.C. pipes NP2 class 100 mm dia	metre	208.12
1701	R.C.C. pipes NP2 class 150 mm dia	metre	218.52
1702	R.C.C. pipes NP2 class 250 mm dia	metre	270.55
1703	R.C.C. pipes NP2 class 300 mm dia	metre	312.17
1704	R.C.C. pipes NP2 class 450 mm dia	metre	416.22

Code No	Description	Unit	Present Approved rate
1	2	3	4
1705	R.C.C. pipes NP2 class 500 mm dia	metre	603.53
1706	R.C.C. pipes NP2 class 600 mm dia	metre	957.32
1707	R.C.C. pipes NP2 class 700 mm dia	metre	1092.59
1709	R.C.C. pipes NP2 class 800 mm dia	metre	1217.46
1710	R.C.C. pipes NP2 class 900 mm dia	metre	1331.92
1711	R.C.C. pipes NP2 class 1000 mm dia	metre	1654.49
1712	R.C.C. pipes NP2 class 1100 mm dia	metre	1951.06
1713	R.C.C. pipes NP2 class 1200 mm dia	metre	2003.09
1714	R.C.C. pipes NP2 class 100 mm dia	each	31.21
1715	R.C.C. pipes NP2 class 150 mm dia	each	36.42
1716	R.C.C.collars NP2 class 250 mm dia	each	52.02
1717	R.C.C.collars NP2 class 300 mm dia	each	57.23
1718	R.C.C.collars NP2 class 450 mm dia	each	104.06
1719	R.C.C. collars NP2 class 500 mm dia	each	119.66
1720	R.C.C.collars NP2 class 600 mm dia	each	145.68
1721	R.C.C. collars NP2 class 700 mm dia	each	156.08
1723	R.C.C.collars NP2 class 800 mm dia	each	208.12
1724	R.C.C. collars NP2 class 900 mm dia	each	244.53
1725	R.C.C. collars NP2 class 1000 mm dia	each	291.36
1726	R.C.C. collars NP2 class 1100 mm dia	each	312.17
1727	R.C.C. collars NP2 class 1200 mm dia	each	364.20
1728	RCC pipe 450 mm dia NP-3 spigot	metre	1556.69
1729	RCC pipe 600 mm dia NP-3 spigot	metre	2075.92
1730	RCC pipe 900 mm dia NP-3 spigot	metre	3277.78
1731	RCC pipe 1000 mm dia NP-3 spigot	metre	4042.59
1732	RCC pipe 1200 mm dia NP-3 spigot	metre	5244.44
1733	RCC pipe 1800 mm dia NP-3 spigot	metre	9833.33
1734	RCC pipe 450 mm dia NP-4 spigot	metre	1803.30
1735	RCC pipe 600 mm dia NP-4 spigot	metre	2403.70
1736	RCC pipe 900 mm dia NP-4 spigot	metre	4781.39
1737	RCC pipe 1000 mm dia NP-4 spigot	metre	5790.74
1738	RCC pipe 1200 mm dia NP-4 spigot	metre	6774.08
1739	RCC pipe 1800 mm dia NP-4 spigot	metre	14203.71
1854	Stoneware pipes grade A (60 cm long) 100 mm dia	each	52.02
1855	Stoneware pipes grade A (60 cm long) 150 mm dia	each	83.25
1856	Stoneware pipes grade A (60 cm long) 200 mm dia	each	138.39
1857	Stoneware pipes grade A (60 cm long) 230 mm dia	each	176.89
1858	Stoneware pipes grade A (60 cm long) 250 mm dia	each	228.93
1859	Stoneware pipes grade A (60 cm long) 300 mm dia	each	249.74

Code No	Description	Unit	Present Approved rate
1	2	3	4
1863	Fire clay kitchen sink: 600x450x250 mm	each	1404.77
1871	White vitreous china laboratory sink 450x300x150 mm	each	853.26
1872	White vitreous china laboratory sink 600x450x200 mm	each	1586.86
1875	White plastic seat (solid) with lid C.P.brass hinges and rubber buffers	each	343.39
1876	Black plastic seat (solid) with lid C.P.brass hinges and rubber buffers	each	322.57
1878	Shower rose C.P.brass for 15 to 20 mm inlet 100 mm dia	each	52.02
1879	Shower rose C.P.brass for 15 to 20 mm inlet 150 mm dia	each	62.43
1881	Spun yarn	kilogram	52.02
1882	Strainer brass 40 mm dia 1.5 metre long	each	624.34
1885	15 mm C.P.brass tap	each	218.52
1889	C.P.brass toilet paper holder of standard size	each	176.89
1891	C.I. trap for standard urinal with vent arm with operating and other couplings in C.P.brass: 50 mm dia	each	176.89
1893	C.I. trap for standard urinal with vent arm with operating and other couplings in C.P.brass: 80 mm dia	each	234.12
1895	C.P.brass trap 40 mm dia	each	156.08
1896	100 mm S.C.I. trap with vent heel	each	327.78
1897	100 mm S.C.I. trap with 100 mm inlet and 100 mm outlet	each	286.16
1898	100 mm S.C.I. trap with 100 mm inlet and 75 mm outlet	each	226.84
1900	S.W. gully trap P type 100x100 mm	each	93.65
1902	S.W. gully trap P type 150x100 mm	each	135.27
1904	S.W. gully trap P type 180x150 mm	each	234.12
1913	Vitreous china lipped front urinal	each	478.66
1915	Vitreous china squatting plate urinal	each	790.83
1922	H.P. or L.P. ball valve with polythene floats: 15 mm dia	each	218.52
1923	H.P. or L.P. ball valve with polythene floats: 20 mm dia	each	317.37
1924	H.P. or L.P. ball valve with polythene floats: 25 mm dia	each	343.39
1927	Brass full way valve with C.I. wheel (screwed end) 25 mm dia	each	364.20
1928	Brass full way valve with C.I. wheel (screwed end) 32 mm dia	each	426.63
1929	Brass full way valve with C.I. wheel (screwed end) 40 mm dia	each	499.47
1930	Brass full way valve with C.I. wheel (screwed end) 50 mm dia	each	645.15
1931	Brass full way valve with C.I. wheel (screwed end) 65 mm dia	each	1123.81
1932	Brass full way valve with C.I. wheel (screwed end) 80 mm dia	each	1685.72
1933	Gunmetal non-return valve-horizontal (screwed end) 25 mm dia	each	343.39
1934	Gunmetal non-return valve-horizontal (screwed end) 32 mm dia	each	468.26
1935	Gunmetal non-return valve-horizontal (screwed end) 40 mm dia	each	582.71
1936	Gunmetal non-return valve-horizontal (screwed end) 50 mm dia	each	853.26
1937	Gunmetal non-return valve-horizontal (screwed end) 65 mm dia	each	1550.44
1938	Gunmetal non-return valve-horizontal (screwed end) 80 mm dia	each	2206.00
1940	C.I.slucice valve (with caps) class I : 100 mm dia	each	2507.76
1941	C.I.slucice valve (with caps) class I : 125 mm dia	each	2705.46
1942	C.I.slucice valve (with caps) class I : 150 mm dia	each	3746.03
1943	C.I.slucice valve (with caps) class I : 200 mm dia	each	7804.24

Code No	Description	Unit	Present Approved rate
1	2	3	4
1944	C.I.sluiice valve (with caps) class I : 250 mm dia	each	11425.40
1945	C.I.sluiice valve (with caps) class I : 300 mm dia	each	16128.75
1947	Vitreous china flat back wash basin 630x450 mm	each	754.41
1949	Vitreous china angle back wash basin 600x480 mm	each	754.41
1950	Vitreous china angle back wash basin 400x400 mm	each	442.24
1951	C.P. brass waste 32 mm	each	83.25
1952	C.P. brass waste 40 mm	each	98.85
1953	Vitreous china Indian type w.c. pan size 580 mm	each	468.26
1954	Vitreous china orrisa type w.c. pan size 580 mm	each	811.64
1955	Vitreous china pedestal type water closet	each	728.39
1956	Bolts and nuts 16 mm dia 60 mm long	each	12.48
1957	Bolts and nuts 16 mm dia 65 mm long	each	12.48
1958	Bolts and nuts 20 mm dia 65 mm long	each	15.61
1959	Bolts and nuts 20 mm dia 70 mm long	each	15.61
1960	Bolts and nuts 20 mm dia 75 mm long	each	16.65
1961	Bolts and nuts 20 mm dia 80 mm long	each	18.73
1962	Bolts and nuts 24 mm dia 85 mm long	each	29.14
1963	Bolts and nuts 24 mm dia 90 mm long	each	33.30
1964	Bolts and nuts 27 mm dia 100 mm long	each	39.54
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	1352.73
1970	Vitreous china foot rests 250x125x25 mm	pair	104.06
1980	Fly ash	cum	8.06
1984	Brick Tiles (300mm x 150mm x 50mm)	thousand	6727.35
A	Uraban Patna		7019.25
B	For Purnia, Bhagalpur, Saharasa, Munger, Darabhanga		7049.70
C	For Purnea		7373.10
D	For other places		6727.35
1986	Common burnt clay modular bricks class designation 12.5	1000 nos	7019.25
2391	Strips-Aluminium fluted 3.15 mm thick and 150 mm wide	metre	237.24
2392	Strips-Aiuminium fluted 3.15 mm thick and 200 mm wide metre	metre	336.11
2393	1 mm thick Stainless Steel Cover plate grade 304	Kg	286.16
2394	Coupler 16 mm dia	each	69.71
2395	Coupler 20 mm dia	each	91.57
2396	Coupler 25 mm dia	each	135.27
2397	Coupler 28 mm dia	each	199.79
2398	Coupler 32 mm dia	each	240.37
2399	Complete Roof Joint of 100 mm	metre	4682.54
2400	Complete Roof Joint of 150 mm	metre	4994.71

Code No	Description	Unit	Present Approved rate
1	2	3	4
2401	Complete Roof Joint of 200 mm	metre	5202.82
2402	Epoxy adhesive	kg	156.08
2403	Floor Joint of 100 mm	metre	4682.54
2404	Floor Joint of 150 mm	metre	5202.82
2405	Floor Joint of 200 mm	metre	5619.05
2406	Float glass sheet of nominal thickness 4 mm (weighing not less than 10 kg/sqm)	sqm	343.39
2407	Float Glass sheet of nominal thickness 5.5mm (weighing not less than 13.50 kg/sqm)	sqm	520.28
2408	Float glass sheet of nominal thickness 8 mm (weight not less than 20.00 kg/sqm)	sqm	728.39
2409	Wall Joint of 100 mm	metre	3537.92
2410	Wall Joint of 150 mm	metre	3850.09
2411	Wall Joint of 200 mm	metre	4162.25
2412	Ply wood 5 ply with commercial ply on both faces 6 mm thick	sqm	374.61
2413	12 mm commercial ply	sqm	603.53
2414	18 mm thick block board with commercial ply veneering on both side	sqm	728.39
2447	Hollock bailies 125 mm diameter	metre	36.42
2449	Oxidised mild steel Pull bolt lock of size 85mmx42mm with screws bolts and washers complete	each	52.02
2451	Brass Cupboard lock 6 levers (best make of approved quality) 40 mm size	each	72.84
2452	Brass Cupboard lock 6 levers (best make of approved quality) 50 mm size	each	78.04
2453	Brass Cupboard lock 6 levers (best make of approved quality) 65 mm size	each	83.25
2454	Brass Cupboard lock 6 levers (best make of approved quality) 75 mm size	each	104.06
2455	Brass Hanging type door stopper 150 mm	each	67.64
2456	Hydraulic door closer tubular type aluminium die cast body with necessary accessories and screws complete	each	613.94
2459	Anodised Aluminium hanging type door stopper	each	26.02
2464	Anodised Aluminium pull boit lock (locking bolt) of size 85x42 mm with screws, bolts, nuts and washers complete	each	52.02
2465	Anodised Aluminium Casement stay 250 mm	each	52.02
2466	Hollock wood in scantling	10 cud	338.18
2467	Chromium plated Brass Pull bolt lock (locking bolt) of size 85mm x 42mm with screws, bolts, nuts and washers complete	each	171.70
2468	Chromium Brass cupboard lock (Nickled) 40mm size	each	67.64
2469	Chromium Brass cupboard lock (Nickled) 50mm size	each	78.04
2470	Chromium Brass cupboard lock (Nickled) 65mm size	each	88.45
2471	Chromium Brass cupboard lock (Nickled) 75mm size	each	114.46
2480	PANELS Ply wood 5 ply with teak ply on both faces 9 mm thick	sqm	1071.78
2481	Ply wood 5 ply with teak ply n one face and commercial ply on another face 9 mm thick	sqm	874.08
2483	Ply wood 7 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	957.32

Code No	Description	Unit	Present Approved rate
1	2	3	4
2484	Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587	sqm	719.97
2485	Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 18 mm thick confirming to IS:14587	sqm	959.92
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	1246.75
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	667.26
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	895.57
2489	PVC edge bending tape 2.00 mm thick	metre	29.71
2500	Extra for selected planks of second class deodar wood	10 cud	104.06
2504	Kiln seasoning of timber	cum	759.61
2505	Hollock wood in planks	10 cud	385.01
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 sleeve. Size 10 mm x 60 mm	10 cudm	260.14
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 sleeve. Size 10 mm x 80 mm	10 nos	304.88
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 sleeve. Size 10 mm x 120mm	10nos	378.77
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 sleeve. Size 10 mm x 140 mm	10 nos	468.26
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 sleeve. Size 10 mm x 160 mm	10 Nos	593.12
2602	Designation 100 A Brick	thousand	5603.85
2602A	Urban Patna	thousand	7019.25
2602B	Darbhangha	thousand	5923.05
2602C	Bhagalpur	thousand	5923.05
2602D	Munger	thousand	5923.05
2602E	Muzaffarpur	thousand	5923.05
2602F	Gaya	thousand	5603.85
2602G	Patna Rural	thousand	5844.30
2602H	Saran	thousand	5603.85
2602I	Saharsa	thousand	6083.70
2602J	Purnea	thousand	6406.05
2603	Designation 100 B Brick	thousand	5119.80

Code No	Description	Unit	Present Approved rate
1	2	3	4
2603A	Urban Patna	thousand	6514.20
2603B	Darbhanga	thousand	5440.05
2603C	Bhagalpur	thousand	5440.05
2603D	Munger	thousand	5440.05
2603E	Muzaffarpur	thousand	5440.05
2603F	Gaya	thousand	5119.80
2603G	Patna Rural	thousand	5340.30
2603H	Saran	thousand	5119.80
2603I	Saharsa	thousand	5603.85
2603J	Purnea	thousand	5923.05
2605	Structural sealant - 6 mm x 12 mm	metre	32.88
2606	Spacer tape 6.4 mm thick x 6 mm wide	metre	18.73
2607	Weather Sealant - Non Staining (600 ml)	each	477.77
2608	Weather Sealant - Normal (300 ml)	each	149.01
2609	MS Brackets/Aluminium Alloy Brackets	kg	104.06
2610	Silicon Gasket in Kg (Above 50 g / m)	kg	625.64
2611	EPDM Gasket in Kg (Above 60 g / m)	kg	166.49
2612	Anchor Fastner - M10	each	115.45
2613	SS Bolt with washer of sizes for structural glazing / ACP Cladding	each	36.42
2614	SS Screws of sizes for structural glazing / ACP Cladding	each	5.21
2615	Protective Tape	metre	26.02
2616	GI flashing - 1.2 mm Thick	kg	68.68
2617	6 mm thick High performance glass	sqm	1987.48
2618	6 mm thick clear heat strengthened glass	sqm	801.23
2619	6 mm thick clear heat strengthened glass	each	150.89
2620	ARMS GS HD -TOP HUNG -20"-TYPE P-COUPLE	pair	1634.52
2621	Connection Block	each	40.94
2622	Curtain wall striker	each	106.87
2623	Adjustable Fastening Pawl	each	39.80
2624	Corner drive	each	306.91
2625	Top wedge Block	each	142.08
2626	Glass wool Denisity 48 Kg / m3 with Black Glass Tissue (BGT)	sqm	239.33
2627	SS Screws - # 8 x 19	each	10.40
2628	Weather Sealant - DC 789	cartridge	140.48
2629	Cement Board	sqm	260.14
2630	Baker rod	metre	5.21
2631	4 mm thick ACP	sqm	1248.67
2632	Fire Stop	metre	584.75
2634	GI/Aluminium Sheet (0.8 mm thick)	kg	59.31
2704	Aluminium strip 40 mm wide and 2 mm thick	kilogram	228.93
2708	Truf Paver (500 x 500 x 40 mm)	sqm	1134.22
2709	Ceremic Tiles Pieces for Crazy Flooring	quintal	140.48
2710	White Marble Makrana second quality plain veined stone pieces for crazy flooring	quintal	145.68
2711	FS800H Grade Flooring Panel (Size 600 mm x600 mm x32 mm)	each	780.42

Code No	Description	Unit	Present Approved rate
1	2	3	4
2711'	Sheets Polyvinyl chloride sheet 1.5 mm thick	sqm	492.78
2712'	Sheets Polyvinyl chloride sheet 2.0 mm thick	sqm	683.35
2712	Zinc Electroplated Pedestals - 300 mm	each	145.68
2713	Zinc Electroplated Pedestals - 450 mm	each	156.08
2714	Zinc Electroplated Tube Stinger	each	72.84
2715	Machine Screw for Fixing	each	2.08
2717	Polyvinyl chloride tiles 1 5mm thick	sqm	562.09
2718	Polyvinyl chloride tiles 2.0mm thick	sqm	673.72
2723	Adhesive (rubber base)	ilogran	182.86
2736	Sheets Rubber tiles plain conforming to IS 809 1.5 mm thick	sqm	814.24
2737	Sheets Rubber tiles plain conforming to IS 809 2.0 mm .thick	sqm	941.28
2738	Sheets Rubber tiles LP stud conforming to IS 809 2.0 mm thick	sqm	814.24
2739	Sheets Rubber tiles LP stud conforming to IS 809 3.0 mm thick	sqm	1393.64
2740	Sheets Rubber tiles LP stud conforming to IS 809 4.0 mm thick	sqm	1847.91
2741	Sheets Anti static rubber tiles plain/LP stud conforming to BS : 2050 2.00 mm thick	sqm	1509.13
2742	Sheets. Rubber tiles plain/LP stud in skirting conforming to IS : 809 2.0mm thick	sqm	592.87
2750	8mm thick granite stone tiles (mirror polished of all shades)	sqm	728.39
2751	8mm thick marble tiles (polished) Raj Nagar	sqm	374.61
2901	Stone Aggregate (Single size) : 100 mm nominal size	cum	424.23
2902	Stone Aggregate (Single size) : 80 mm nominal size	cum	424.23
2903	Stone chippings/ screenings 4.75 mm nominal size	cum	213.24
2904	Stone chippings/ screenings 150 micron nominal size	cum	201.63
2908	Over burnt (Jhama) Brick Aggregate: 120 mm to 40 mm size	cum	1378.65
2909	Over burnt (Jhama) Brick Aggregate: 90 mm to 40 mm size	cum	1378.65
2910	Stone chippings/ screenings 12.5/ 13.2 mm nominal size	cum	689.78
2911	Stone chips/streining 10/11.2 mm nominal size	cum	659.07
2914	Solvent	kilogram	26.02
2916	Paving Asphalt VG -10 of approved quality	tonne	41622.58
3002	Sheets Polyvinyl chloride sheet 400 micron thick	sqm	36.42
3004	Stoneware spouts 100mm dia 60 em long	each	36.42
	GC Sheet		
3050	Galvanised steel corrugated sheets 0.63 mm thick	quintal	4827.90
3050A	Galvanised steel corrugated sheets 0.50 mm thick	quintal	5007.45
3050B	Gah-anised steel corrugated sheets 0.40 mm thick	quintal	6806.84
3050C	Galvanised steel corrugated sheets 0.35 mm thick	quintal	6806.84
3050D	Galvanised steel corrugated sheets 0.80 mm thick	quintal	4827.90
3080	Gunmetal non-return valve-vertical (screwed end) 25 mm dia	each	374.61
3084	Gunmetal non-return valve-vertical (screwed end) 32 mm dia	each	541.09
3088	Gunmetal non-return valve-vertical (screwed end) 40 mm dia	each	780.42
3092	Gunmetal non-return valve-vertical (screwed end) 50 mm dia	each	1050.97
3096	Gunmetal non-return valve-vertical (screwed end) 65 mm dia	each	1779.36
3213	Vitreous china Surgeon type wash basin of size 660x460 mm	each	1144.62
3214	Aluminium sheet 24 gauge	sqm	336.86

Code No	Description	Unit	Present Approved rate
1	2	3	4
3228	600x120 mm glass shelf with anodised aluminium angle frame, C.P. brass brackets and guard rail of standard size	each	260.14
3229	Vitreous china flat back wash basin 550x400 mm	each	572.31
3300	Gunmetal non-return valve-vertical (screwed end) 80 mm dia	each	3007.24
3311	C.I.sluiice valve (with caps) class II : 100 mm dia	each	3028.04
3314	C.I.sluiice valve (with caps) class II : 125 mm dia	each	3641.97
3317	C.I.sluiice valve (with caps) class II : 150 mm dia	each	4474.43
3320	C.I.sluiice valve (with caps) class II : 200 mm dia	each	9583.60
3321	C.I.sluiice valve (with caps) class II : 250 mm dia	each	15400.36
3326	C.I.sluiice valve (with caps) class II : 300 mm dia	each	19250.44
3327	15 mm Battery Based Sensor Pillar Cock	each	6058.17
3617	CP Brass Union 40 mm dia	each	202.91
3620	C.C.I.(spun) socketed soil, waste and vent pipe 1.80 metres long :100 mm dia	each	1300.71
3621	C.C.I. (spun) socketed soil, waste and vent pipe 1.80 metres long :75 mm dia	each	1076.99
3624	S.C.I. S&S bends with access door 100 mm dia	each	301.76
3625	S.C.I. S&S bends with access door 75 mm dia	each	249.74
3628	S.C.I. S&S bend 100 mm dia	each	275.75
3629	S.C.I. S&S bend 75 mm dia	each	202.91
3634	S.C.I. S&S heel rest sanitary bend 100 mm dia	each	308.01
3635	S.C.I. S&S heel rest sanitary bend 75 mm dia	each	260.14
3640	S.C.I. S&S single equal junctions 100x100x100 mm	each	491.15
3641	S.C.I. S&S single equal junctions 75x75x75 mm	each	343.39
3644	S.C.I. S&S single equal junctions with access door 100x100x100 mm	each	515.08
3645	S.C.I. S&S single equal junctions with access door 75x75x75 mm	each	388.13
3650	S.C.I. S&S double equal junctions 100x100x100x100 mm	each	645.15
3651	S.C.I. S&S double equal junctions 75x75x75x75 mm	each	480.74
3654	S.C.I. S&S double equal junctions with access door 100x100x100x100 mm	each	639.94
3655	S.C.I. S&S double equal junctions with access door 75x75x75x75 mm	each	499.47
3660	S.C.I. S&S single unequal junctions 100x100x75 mm	each	593.12
3664	S.C.I. S&S single unequal junctions with access door 100x100x75 mm	each	665.96
3670	S.C.I. S&S double unequal junctions 100x100x75x75 mm	each	832.45
3674	S.C.I. S&S double unequal junctions with access door 100x100x75x75 mm	each	884.48
3681	S.C.I. S&S single equal invert branch of required degree 100x100x75x75 mm dia	each	442.24
3682	S.C.I. S&S single equal invert branch of required degree 75x75x75 mm dia	each	336.11
3685	S.C.I. S&S double equal invert branch of required degree 100x100x100x100 mm dia	each	551.50
3686	S.C.I. S&S double equal invert branch of required degree 75x75x75x75 mm dia	each	442.24

Code No	Description	Unit	Present Approved rate
1	2	3	4
3690	S.C.I. S&S single unequal invert branch of required degree 100x100x75 mm dia	each	567.11
3695	S.C.I. S&S double unequal invert branch of required degree 100x100x75x75 mm dia	each	754.41
3699	S.C.I. S&S, 75 mm offset for 75 mm dia pipe	each	234.12
3707	S.C.I. S&S, 150 mm offset for 75 mm dia pipe	each	296.56
3708	S.C.I. S&S, 150 mm offset for 100 mm dia pipe	each	405.82
3712	S.C.I. S&S, 114 mm offset for 75 mm dia pipe	each	312.17
3713	S.C.I. S&S, 114 mm offset for 100 mm dia pipe	each	398.54
3716	S.C.I. S&S, 152 mm offset for 75 mm dia pipe	each	372.52
3717	S.C.I. S&S, 152 mm offset for 100 mm dia pipe	each	483.86
3728	S.C.I. S&S, door pieces 100 mm dia	each	416.22
3729	S.C.I. S&S, door pieces 75 mm dia	each	306.97
3733	S.C.I. S&S, Slotted Cowl (Terminal Guard) 100 mm	each	364.20
3734	S.C.I. S&S, Slotted Cowl (Terminal Guard) 75 mm	each	312.17
3738	S.C.I. S&S, Slotted collars 100 mm	each	260.14
3739	S.C.I. S&S, Slotted collars 75mm	each	176.89
3746	S.C.I. S&S, 75 mm offset for 75 mm dia pipe	each	226.84
3747	S.C.I. S&S, 75 mm offset for 100 mm dia pipe	each	377.73
3749	Vitreous china toilet paper holder of standard size	each	156.08
3860	560 mm dia cover with frame (Heavy duty)	each	9365.08
3861	561 mm dia cover without frame (Heavy duty)	each	5202.82
4001	Stainless steel (Grade-304)hollow section round/square tubes	kg	364.20
4002	Stainless steel bolts/square bar and plates	kg	135.27
4006	Pressed steel door frames (mild steel sheet 1.25mm) profile 'B'	metre	228.93
4007	Pressed steel door frames (mild steel sheet 1.25mm) profile 'C'	metre	249.74
4008	Pressed steel door frames (mild steel sheet 1.25mm) profile 'E'	metre	280.95
4009	Mild steel tubes, hot finished welded type	kilogram	54.11
4010	Mild steel tubes, hot finished seamless type	kilogram	67.64
4011	Mild steel tubes, electric resistant or induction butt welded	kilogram	72.84
4012	Circular C.I. box for ceiling fan	each	62.43
4013	Pulleys 40 mm dia	each	31.21
4014	Steel doors and windows Ready made steel door with necessary hinges, lugs and glazing clips excluding other fittings and their fixing	sqm	2081.86
4201	Aluminium primer	litre	104.06
4202	Primers Red Oxide Zinc Chromate primer	litre	72.84
4203	Copper Accetate	kilogram	312.17
4204	Hydrochloric Acid	kilogram	36.42
4205	Copper Chloride	kilogram	312.17
4206	Copper Nitrate	kilogram	228.93
4207	Ammonium Chloride	kilogram	20.81
5001	Oil / Fuel Mobil oil	litre	208.12
6001	White marble slab Makrana second quality plain veined 18mm thick	sqm	1945.86

Code No	Description	Unit	Present Approved rate
1	2	3	4
6007	Pink marble slab plain 18mm thick	sqm	671.17
6010	Udaypur green marble slab plain 18 mm thick	sqm	717.99
6019	Black zebra marble slab plain 18 mm thick	sqm	520.28
6501	Local Sand (Ganga)	cum	124.54
7001	Brass 100 mm mortice latch & lock with 6 levers with out pair of handles	each	270.55
7003	Pair of Anodised Aluminium lever handles for 100 mm mortice latch and lock	each	327.78
7004	Vitreous china flat back wash basin 550x400 mm	each	442.24
7005	Vitreous china 10 litres low level cistern without fittings	each	962.52
7006	Vitreous china 10 litres low level cistern with fittings	each	1664.91
7007	Fly Ash Bricks as per IS 12894(2002) & IS 3425(I to IV)	per 1000	5975.55
7008	F.P.S.(non modular) clay fly ash bricks class designation 7.5	1,000nos	4786.60
7009	Gypsum Board	sqm	208.12
7010	Ceiling sections	metre	40.59
7011	Perimetre channel	metre	28.09
7012	Intermediate channel	metre	43.71
7013	Ceiling angle	metre	19.77
7014	Connecting clips	each	6.46
7015	Soffit cleat	each	4.16
7016	Joint filler	kilogram	22.90
7017	Joint finisher	kilogram	24.97
7018	Joint tape roll	roll	150.89
7019	Dash fastner	each	15.61
7020	All drive screws(for gypsum board)	100 Nos.	62.43
7021	Primer (for gypsum uoard)	litre	88.45
7022	Chloropyriphos 20 % E.C. Lindane 20% E.C.	litre	166.49
7023	Chromium plated orackets (Curtain rod)	each	7.28
7024	Acid proof cement	tonne	8480.60
7027	M.S. Butt hinges 125x90x4 mm	ten	114.46
7028	12.5 mm thick Fully Perforated gypsum board	sqm	964.60
7029	Galvanised wire mesh of average width of aperture 1.4 mm and romin31 dia. of wire 0.63 mm	sqm	260.14
7030	12.5 mm thick tapered edge gypsum fire resistant board	sqm	246.62
7031	12.5 mm thick tapered edge gypsum moisture resistant board	sqm	281.99
7032	Frosted glass sheet of nominal thickness 4mm (weighing not less than 10 kg/sqm)	sqm	348.59
7033	Nickle plated M.S. pipe 25 mm dia.	metre	83.25
7034	Nickle plated M.S. pipe 20 mm dia.	metre	72.84
7035	Nickle plated M.S. Brackets for curtain rod 20 mm	each	7.28
7036	Nickle plated M.S. Brackets for curtain rod 25 mm	each	8.33
7040	Oxidised mild steel screws 35 mm	100 Nos.	52.02
7042	Mild steel conduit pipe (heavy type) ISI marked-20 mm dia.	metre	62.43
7043	Mild steel conduit pipe (heavy type) ISI marked-25 mm dia.	metre	72.84
7044	Rolling shutters of 80xO.90mm laths	sqm	1123.81
7045	Rolling shutters of 80x1.2mm laths	sqm	1196.65

Code No	Description	Unit	Present Approved rate
1	2	3	4
7046	Top cover of Rolling shutters 0.90mm thick	metre	332.98
7047	Top cover of Rolling shutters 1.20mm thick	metre	364.20
7048	Rawl plug 50 mm (designation 10 no.)	each	10.40
7049	Teak wood lipping of size 25x3mm in pelmets	metre	22.90
7050	PU Primer	sqm	42.66
7051	40 mm (average) PU spray having 40-45 kg/m ³ density	sqm	438.08
7052	GI wire netting 3/4" x 24 G	sqm	28.09
7053	400 G polythene sheet	sqm	15.61
7055	Flat pressed 3 layer and graded particle board (medium density) Grade 1 conforming to IS : 3087 - 18 mm thick	sqm	437.03
7056	Aluminium Tee channel (heavy duty) with rollers and stop end	metre	52.02
7059	Aluminium hanging floor door stopper with twin rubber & stopper	each	67.64
7060	Hydraulic door closer tubular type Aluminium extruded section body - Gazel	each	874.08
7063	Oxidised M.S. casement stay (straight peg type) 300 mm not less than 0.33 kg.	each	22.90
7064	Oxidised M.S. casement stay (straight peg type) 250 mm not less than 0.28 kg.	each	20.81
7065	Oxidised M.S. casement stay (straight peg type) 200 mm not less than 0.24 kg.	each	18.73
7068	Extra for providing grilled rolling shutters with 8mm dia. M.S.	sqm	280.95
7070	Chequerred precast cement concrete tiles 22mm thick using marble chips of size 6mm Light shade using white cement	sqm	489.07
7071	White marble Raj Nagar plain 18 mm thick upto 0.50 sqm area	sqm	624.34
7072	Wall mounted water closet	each	4838.62
7073	Adjustable Vetricious China Cistern with fittings	each	2601.42
7074	White Vetricious China Waterless Urinal	each	15608.46
7075	Cistern with fittings for Waterless Urinal	each	3537.92
7076	White Vetricious Urinal	each	14567.90
7077	Acid and alkali resistant tiles size 300x300mm 10mm thick	ten	593.12
7087	S.C.I. Tee 150 mm	each	624.34
7090	Expanded polystyrene type N - Normal	sqm	135.27
7091	Expanded polystyrene type SE	sqm	161.29
7095	Stainless steel kitchen sink - with drain board bowl depth 250 mm	each	5395.33
7096	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 225 mm.	each	5150.80
7097	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 200 mm.	each	4422.40
7098	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 178 mm.	each	3121.69
7101	Stainless steel kitchen sink - without drain board 610x510 mm bowl depth 200 mm	each	3277.78
7102	Stainless steel kitchen sink - without drain board 610x460 mm bowl depth 200 mm	each	2960.41
7103	Stainless steel kitchen sink - without drain board 470x420 mm bowl depth 178 mm	each	2206.00
7104	Coloured Orissa pattern W.C. pan 580x440 mm	each	1373.54
7105	Coloured Pedestal type W.C. pan 580x440 mm (European type)	each	1196.65

Code No	Description	Unit	Present Approved rate
1	2	3	4
7106	Coloured Vitreous china 10 lit. low level cistern	each	1789.77
7107	Coloured (other than black) solid P.V.C. seat in European W.C. pan	each	572.31
7112	Circular shape 450 mm dia Mirror with Plastic moulded frame	each	468.26
7113	Rectangular shape 453x357 mm Mirror with Plastic moulded frame	each	312.17
7114	Oval shape 450x350 mm (outer dimensions) Mirror with Plasticmoulded frame	each	364.20
7115	Rectangular shape 1500x450 mm Mirror with Plastic moulded frame	each	728.39
7116	Hard board 6 mm thick	each	182.10
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	31.21
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	36.42
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	29.14
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	31.21
7123	Coloured High density polyethylene/ poly propylene 10 lit. (full flush) capacity controlled low level flushing cistern with fittings	each	712.79
7126	White Vitreous china 10 lit. (full flush) capacity controlled low level flushing cistern with all fittings	each	1014.55
7127	Coloured Vitreous china 10 lit. (full flush) capacity controlled low level flushing cistern with all fittings	each	1560.85
7128	S.W. intercepting trap 100 mm dia	each	197.70
7129	S.W. intercepting trap 150 mm dia	each	260.14
7130	Rectangular shape 600x 450 mm precast R.C.C. manhole cover with frame - L.D. - 25	each	780.42
7131	Square shape 450x450 mm precast R.C.C. manhole cover with frame - L.D. - 25	each	676.37
7132	Circular shape 450 mm dia precast R.C.C. manhole cover with frame - L.D. - 25	each	624.34
7133	Rectangular shape 500x500 mm precast R.C.C. manhole cover with frame - M.D. - 10	each	728.39
7134	Circular shape 500 mm dia precast R.C.C. manhole cover with frame - M.D. - 10	each	686.77
7135	Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20	each	1144.62
7136	Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 35	each	1274.69
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	1925.04

Code No	Description	Unit	Present Approved rate
1	2	3	4
7139	Factory made 35 mm thick shutters with laminated 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	2112.35
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	2029.10
7151	Sheet glass using 10 kg l sqm glass panes 30 mm thick shutters	sqm	1716.93
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	1696.12
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	1508.81
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	738.81
7178	Chemical ASTM C-type I	kg	114.46
7181	C.I. pile shoe	kilogram	52.02
7182	M.S. clamps for pile shoe	kilogram	46.83
7183	Bentonite	tonne	3225.75
7184	Oxidised M.S. safety chain (weighing not less than 450 gms) for each door	each	62.43
7187	C.I. grating 150 mm dia. (Weighing not less than 440 gm)	each	26.02
7188	U-PVC pipes (working pressure 4 kg/cm ²) Single socketed ipe 75 mm dia	metre	69.71
7189	U-PVC pipes (working pressure 4 kg/cm ²) Single socketed ipe 100 mm dia.	metre	134.23
7190	U-PVC pipes (working pressure 4 kg/cm ²) Rubber (Seal) Ring 75 mm dia .	metre	16.65
7191	U-PVC pipes (working pressure 4 kg/cm ²) Rubber (Seal) Ring 100 mm dia .	metre	20.81
7192	UPVC coupler for UPVC drainage pipes 75 mm	each	35.38
7193	UPVC coupler for UPVC drainage pipes 110 mm	each	54.11
7194	UPVC pushfit coupler (single) 75 mm thick	each	52.02
7195	UPVC pushfit coupler (single) 110 mm thick	each	84.28
7196	UPVC single equal Tee (with door) 75x75x75 mm	each	98.85
7197	UPVC single equal Tee (with door) 110x110x110 mm	each	133.20
7198	UPVC single equal Tee (with door) 75x75x75 mm	each	119.66
7199	UPVC single equal Tee (with door) 110x110x110 mm	ecch	187.30
7208	UPVC bend 87.50 75 mm bend	each	58.28
7209	UPVC bend 87.50 110 mm bend	each	98.85
7212	UPVC plain shoe 75 mm	each	111.34

Code No	Description	Unit	Present Approved rate
1	2	3	4
7213	UPVC plain shoe 110 mm	each	215.40
7214	UPVC pipe clip 75 mm bend	each	16.65
7215	UPVC pipe clip 110 mm bend	each	32.26
7231	Resin Bonded Glass wool 16 kg/m ³ , 50mm thick	sqm	150.89
7232	Resin Bonded Glass wool 24 kg/m ³ , 50mm thick	sqm	212.27
7233	Bitumen felt fibre base (vegetable or animal) Fibre glass tissue reinforced bitumen Felt Type 2 grade I conforming to IS : 7193	sqm	74.92
7236	Precast chequered cement tiles 22mm thick dark shade using ordinary cement	sqm	239.33
7237	Precast chequered cement tiles 22mm thick medium shade using 50% white cement, 50% ordinary cement	sqm	385.01
7238	High Albedo paint	kg	255.98
7239	Epoxy paint	litre	260.14
7240	Fire retardant paint	litre	270.55
7241	Melamine polish	litre	312.17
7244	Table rubbed polished stone 18mm thick (75x50 cm) Agaria marble stone - 18 mm thick	sqm	1820.99
7245	Table rubbed polished stone 18mm thick (75x50 cm) Granite stone 18 mm thick	sqm	1873.02
7246	Verticle load testing (INITIAL) of piles in accordance with IS : 2911 (part-IV) including installation of loading platform and preperation 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	34546.74
7247	Verticle load testing (INITIAL) of piles in accordance with IS : 2911 (part-IV) including installation of loading platform and preperation 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	41934.74
7248	Verticle load testing (INITIAL) of piles in accordance with IS : 2911 (part-IV) including installation of loading platform and preperation 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	50467.37
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	15608.46
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	23932.98
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	30696.65
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	15608.46

Code No	Description	Unit	Present Approved rate
1	2	3	4
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	24557.32
7254	Hard crete compound	litre	41.62
7255	Road marking paint (spirit based)	litre	124.87
7256	Superior quality road marking paint	litre	176.89
7257	C.P. Brass bibcock 15 mm	each	390.21
7258	C.P. Brass long nose bibcock 15 mm	each	683.65
7259	C.P. Brass long body bibcock 15 mm	each	521.33
7260	C.P. Brass stop cock (concealed) 15 mm	each	533.81
7261	C.P. Brass angle valve 15 mm	each	433.91
7266	Pressed clay tiles	1000 nos.	12642.86
7267	Plain ceiling tiles (BWP type phenol formal dehyde synthetic resin bonded) (600x600x12mm)	each	124.87
7268	Semi perforated ceiling tiles (600x600x12mm)	each	124.87
7269	25 mm thick particle board	sqm	499.47
7270	30mm thick pre laminated flush door shutter	sqm	884.48
7271	Ilnd class teak wood lipping 25mm wide x 12mm thick	metre	41.62
7272	25 mm thick melamine faced prelaminated three layer particle board	sqm	978.13
7273	Resin Bonded Rockwool 48 kg/m3	sqm	219.56
7280	Waste plastic additive	tonne	41622.58
7281	Chemical ASTM C-type II	kg	176.89
7295	Granite of any colour, 18 mm thick (slab area upto 0.50 sqm)	sqm	1977.07
7296	Granite of any colour, 30 mm thick (slab area upto 0.50 sqm)	sqm	2393.30
7297	Granite of any colour, 18 mm thick (slab area above 0.50sqm)	sqm	2081.13
7306	Aluminium T or L sections	kilogram	208.12
7307	For flush door shutters Extra for providing teak veneering on one side instead of commercial veneering	sqm	353.80
7309	Paving Asphalt of grade VG-30 of approved quality	tonne	42663.14
7312	Expandable fastner with plastic sleeve and M.S. screws. 25 mm long	each	10.40
7313	Expandable fastner with plastic sleeve and M.S. screws. 32 long	mm each	11.45
7314	Expandable fastner with plastic sleeve and M.S. screws. 40 long	mm each	14.57
7315	Expandable fastner with plastic sleeve and M.S. screws. 50 long	mm each	15.61
7318	Plasticizer/super plasticizer	kilogram	39.54
7319	Wall form panel 1250X500mm	each	1092.59
7320	Tie bolt 12mm dia 100 mm length	each	52.02
7321	Tie bolt 12mm dia 150 mm length	each	62.43
7322	Tie bolt 20mm dia 150 mm length	each	78.04
7323	Tie bolt 20mm dia 225 mm length	each	93.65
7324	Spring coil 12mm	each	16.65
7325	Plastic cone 12mm dia	each	18.73
7326	Corner angle 45x45x5mm 1.50 m long	each	312.17
7327	100mm channel shoulder 2.5 m long	each	1207.05
7328	Double clip (bridge clip)	each	100.94

Code No	Description	Unit	Present Approved rate
1	2	3	4
7329	Single clip	each	80.12
7330	M.S. tube 40mm dia	metre	291.36
7331	Wall form panel 1250x450mm	each	1082.19
7332	Corner angle 45x45x5 mm 2.50 m long	each	353.80
7333	Column clamp 450x1070 mm	each	1269.49
7334	Prop 2 m (2-3.5m)	each	863.67
7335	Binding wire	kilogram	55.15
7338	Gun metal cramp	kilogram	343.39
7339	Stainless steel cramp	kilogram	353.80
7340	Stainless steel pin.	kg	197.70
7342	Adjustable span ESQ+SI (2.35-3.40)	each	1977.07
7343	Adjustable telescopic prop 3 m (2.00-3.75 m)	each	1248.67
7344	Beam clamp 300-380mm (450-1070mm)	each set	439.12
7345	Prop 4m	each	1217.46
7346	Double coupler	each	57.23
7347	Cadmium plated full threaded steel screws (30x4 mm dia.)	100 Nos.	29.14
7348	Aluminium Washer 2 mm thick 15 mm dia	100 Nos.	10.40
7349	12mm M.S. 'U' beading	metre	15.61
7350	M S tower bolt bright finished / black stone enamelled 250x10 mm .	each	34.06
7353	M S tower bolt bright finished / black stone enamelled 100x10 mm	each	23.69
7354	Plastic encapsulated M.S. foot rest 30x20x15 cm	each	119.66
7358	Flushing Cistern P.V.C. 10 lts capacity (low level) (White) (with fittings, accessories and flush pipe)	each	665.96
7359	P.V.C. automatic flushing cistern 5 lts capacity	each	509.88
7361	P.V.C. automatic flushing cistern 10 lts capacity	each	551.50
7363	15 mm C.P. brass tap with elbow operation lever	each	728.39
7364	White glazed fire clay draining board 600x450x25 mm	each	572.31
7366	Glass reinforced Gypsum (GRG) board 12.5 mm thick	sqm	249.74
7367	Galvanised M.S. sheet 0.50mm thick pressed channel section of size 50x32mm	metre	62.43
7369	Galvanised M.S. sheet 0.50mm thick pressed stud 48x34x36mm	metre	78.04
7375	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Single lipped urinal	each	483.86
7376	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of two lipped urinals	each	1092.59
7377	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of three lipped urinals	each	1300.71
7378	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of four lipped urinals	each	1977.07
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	1664.91
7380	Precast R.C.C. grating with frame 500x450 mm horizontal grating	each	676.37
7381	Precast R.C.C. grating with frame 450x100 mm vertical grating	each	338.18
7382	Bitumen emulsion rapid setting (R.S.) conforming to IS : 8887	each	31008.82

Code No	Description	Unit	Present Approved rate
1	2	3	4
7385	3 mm thick translucent white acrylic plastic sheet	sqm	593.12
7386	12 thick particle board ceiling tile	sqm	270.55
7387	Spigot for standard jointing		46.83
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt	each	52.02
7389	Anodising 15 microns on aluminium sections	kilogram	41.62
7390	Neoprene / EPDM rubber gasket	meter	26.02
7391	Anodising 25 microns on aluminium sections	kg	52.02
7392	Power coating 50 microns on aluminium sections	kg	66.59
7393	Polyster powder coating 50 microns on aluminium sections	kg	72.84
7394	Double action hydraulic floor spring with stainless steel cover plate	each	1612.87
7395	6 mm dia. M.S. adjustable hangers including clips (upto 1.2 m length)	each	29.14
7396	Double action hydraulic floor spring with brass cover plate	each	1768.96
7397	Base Jack	each	187.30
7398	Challies	each	832.45
7399	cup locks	each	83.25
7400	15 mm PTMT bib cock	each	104.06
7401	15 mm PTMT bib cock with flange (fancy)	each	145.68
7402	15 mm PTMT bib cock long body with flange	each	166.49
7403	15 mm dia PTMT stop cock(male thread)	each	104.06
7405	20 mm dia. PTMT stop cock	each	135.27
7406	PTMT pillar cock	each	166.49
7407	PTMT push cock 15 mm dia	each	93.65
7408	PTMT push cock 12 mm dia 20 mm BSP	each	83.25
7409	PTMT grating 100 mm dia	each	32.26
7410	PTMT Pillar cock (fancy) 15mm foam flow	each	234.12
7411	125 mm grating with waste hole	each	43.71
7412	Rectangular type with openable circular lid 150 mm size 18 mm high with 100 mm dia (110 gm)	each	126.95
7415	Double acting air valve 50 mm	each	4162.25
7416	Double acting air valve 80 mm	each	5410.94
7417	Double acting air valve 100 mm	each	7075.84
7418	Water meter (including testing charges) 80 mm	each	2216.41
7419	Water meter (including testing charges) 100 mm	each	3433.86
7420	Water meter (including testing charges) 150 mm	each	5202.82
7421	Water meter (including testing charges) 200 mm	each	5619.05
7422	Dirt box strainer 80 mm	each	2923.99
7423	Dirt box strainer 100 mm	each	4765.79
7424	Dirt box strainer 150 mm	each	6045.67
7425	Dirt box strainer 200 mm	each	8584.66
7426	Cat's eye	each	187.30
7427	Water stop Serrated with central bulb (225 mm wide, 8-11 mm thick)	metre	431.84
7428	Water stop Dumb bell with central bulb	metre	405.82

Code No	Description	Unit	Present Approved rate
1	2	3	4
7429	Water stop Kicers	metre	390.21
7430	Wedge expansion hold fastner 1/4" or 6 mm	each	14.57
7431	Wedge expansion hold fastner 3/8" or 10 mm	each	15.61
7432	Wedge expansion hold fastner 1/2" or 12 mm	each	29.14
7439	8mm thick (mirror polished tiles machine cut edge) Raj Nagar white	sqm	520.28
7442	Wheel 75mm dia. 40mm wide	each	67.64
7443	Aluminium single cleat of size 30x32x3 mm	each	14.57
7444	Aluminium grip strip of size 50x12x2 mm	each	11.45
7445	25 mm prelaminated flush door both side decorative	sqm	863.67
7449	Aluminium U beading	kilogram	228.93
7451	Glass sheet (Pin headed) 4mm thick	sqm	312.17
7452	Raj Nagar plain- White Marble (table rubbed and polished 18mm thick slab area upto 0.50 sqm	sqm	676.37
7453	Raj Nagar plain- White Marble (table rubbed and polished 18mm thick slab area more than 0.50 sqm	sqm	780.42
7466	Second class deodar teak wood lipping 30mm width x 12mm	metre	31.21
7468	Veneered particle board with commercial veneering on both sides 12 mm thick	sqm	520.28
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	770.02
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	884.48
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	967.72
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	811.64
7485	Oxidised M.S. hinges finished with nickle plating 50mm (Over all width)	metre	43.71
7486	Oxidised M.S. hinges finished with nickle plating 65mm (Over all width)	metre	56.19
7491	PTMT - Waste Coupling 31/32 mm	each	53.07
7492	PTMT - Waste Coupling 38/40 mm	each	66.59
7493	PTMT - Bottle Trap 31/32 mm	each	329.86
7494	PTMT - Bottle Trap 38/40 mm	each	358.99
7495	PTMT - Ball Cock 15 mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	139.44
7496	PTMT - Ball Cock 20mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	202.91

Code No	Description	Unit	Present Approved rate
1	2	3	4
7497	PTMT - Ball Cock 25 mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	437.03
7498	PTMT - Ball Cock 40 mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	811.64
7499	PTMT - Ball Cock 50 mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	1196.65
7500	PTMT - Angle Stop cock with Flange 15 mm	each	135.27
7501	PTMT - Swiveling shower 15 mm	each	90.53
7503	PTMT - Liquid Soap Container of 400 ml capacity	each	150.89
7504	PTMT - Towel Ring 215x200x37 mm	each	120.70
7505	PTMT - Towel Rail (450 mm)	each	199.79
7506	PTMT - Towel Rail (600 mm)	each	235.17
7507	PTMT - Shelf 450x124x36 mm	each	268.47
7508	PTMT - Urinal Spreader 15 mm	each	132.15
7509	PTMT - Soap Dish/Holder 138x102x75 mm	each	124.87
7512	PTMT - handle 125x34x24 mm	each	31.21
7513	PTMT - handle 150x34x24 mm	each	35.38
7514	PTMT - butt hinges 75x60x10 mm	each	43.71
7515	PTMT - butt hinges 100x75x10 mm	each	58.28
7516	PTMT - Tower bolt 152x42x18 mm	each	67.64
7517	PTMT - Tower bolt 202x42x18 mm	each	83.25
7518	PTMT - door catcher 72x42 mm	each	28.09
7552	Coir Veneered board 4 mm thick	sqm	301.76
7553	Coir Veneered board 6 mm thick	sqm	405.82
7555	Coir Veneered board 12 mm thick	sqm	676.37
7556	Coir Veneered board 18 mm thick	sqm	1071.78
7651	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 100 mm dia	metre	832.45
7652	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 150 mm dia	metre	1248.67
7653	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 200 mm dia	metre	1716.93
7654	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 250 mm dia	metre	2393.30
7655	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 300 mm dia	metre	2976.01
7656	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 350 mm dia	metre	3652.38
7657	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 400 mm dia	metre	4682.54
7658	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 450 mm dia	metre	5410.94
7659	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 500 mm dia	metre	6846.91
7660	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 600 mm dia	metre	8251.68
7661	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 700 mm dia	metre	11446.21
7662	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 750 mm dia	metre	12382.72
7663	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 800 mm dia	metre	12486.77
7664	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 900 mm dia	metre	15088.18
7665	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 1000 mm dia	metre	16961.19

Code No	Description	Unit	Present Approved rate
1	2	3	4
7666	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 100 mm dia	ench	31.21
7668	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 150mm dia	ench	39.54
7669	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 200mm dia	ench	68.68
7670	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 250mm dia	ench	81.16
7671	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 300 mm dia	ench	119.66
7672	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 350 mm dia	ench	137.35
7673	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 400 mm dia	ench	249.74
7674	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 450 mm dia	ench	291.36
7675	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 500 mm dia	ench	317.37
7676	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 600 mm dia	ench	395.41
7677	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 700 mm dia	ench	598.32
7678	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 750 mm dia	ench	717.99
7679	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 800 mm dia	ench	790.83
7680	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 900 mm dia	ench	1040.57
7681	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 1000 mm dia	ench	1248.67
7682	Ductile Iron K - 12 specials suitable for push on jointing upto 600 mm dia	quintal	13527.34
7683	Ductile Iron K - 12 specials suitable for push on jointing over 600 mm dia	quintal	18730.16
7684	Ductile Iron specials suitable for mechanical jointing as per I.S. 9523 - upto 600 mm dia	quintal	14255.73
7685	Ductile Iron Specials suitable for mechanical jointing as per I.S. 9523 over 600 mm dia	quintal	20447.09
7686	Ductile Iron Pipe Class K-9 flanges and welding 100 mm dia	metre	2268.43
7687	Ductile Iron Pipe Class K-9 flanges and welding 150 mm dia	metre	3641.97
7688	Ductile Iron Pipe Class K-9 flanges and welding 200 mm dia	metre	4276.72
7689	Ductile Iron Pipe Class K-9 flanges and welding 250 mm dia	metre	3563.93
7690	Ductile Iron Pipe Class K-9 flanges and welding 300 mm dia	metre	7242.32
7691	Ductile Iron Pipe Class K-9 flanges and welding 350 mm dia	metre	9156.97
7692	Ductile Iron Pipe Class K-9 flanges and welding 400mm dia	metre	11040.39
7693	Ductile Iron Pipe Class K-9 flanges and welding 450 mm dia	metre	13423.28
7694	Ductile Iron Pipe Class K-9 flanges and welding 500mm dia	metre	15712.52
7695	Ductile Iron Pipe Class K-9 flanges and welding 600mm dia	metre	21466.84
7696	Ductile Iron Pipe Class K-9 flanges and welding 700 mm dia	metre	26638.45
7697	S&S Centrifugally (Spun) C.I. Pipe class LA 100 mm dia	metre	936.51
7698	S&S Centrifugally (Spun) C.I. Pipe class LA 125mm dia	metre	1165.43

Code No	Description	Unit	Present Approved rate
1	2	3	4
7699	S&S Centrifugally (Spun) C.I. Pipe class LA 150 mm dia	metre	1404.77
7700	S&S Centrifugally (Spun) C.I. Pipe class LA 200 mm dia	metre	2393.30
7701	S&S Centrifugally (Spun) C.I. Pipe class LA 250 mm dia	metre	3121.69
7702	S&S Centrifugally (Spun) C.I. Pipe class LA 300 mm dia	metre	4214.29
7703	S&S Centrifugally (Spun) C.I. Pipe class LA 350mm dia	metre	5046.74
7704	S&S Centrifugally (Spun) C.I. Pipe class LA 400mm dia	metre	6659.61
7705	S&S Centrifugally (Spun) C.I. Pipe class LA 450 mm dia	metre	8064.38
7706	S&S Centrifugally (Spun) C.I. Pipe class LA500 mm dia	metre	9365.08
7707	S&S Centrifugally (Spun) C.I. Pipe class LA 600 mm dia	metre	13105.91
7708	S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing up to 300 mm dia	quintal	5671.08
7709	S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing over 300 mm dia	quintal	8532.63
7710	S&S Centrifugally (Spun) C.I. Pipe specials suitable for mechanical joint as per I.S. 13382 up to 300 mm dia	quintal	9365.08
7711	S&S Centrifugally (Spun) C.I. Pipe Specials suitable for mechanical joint as per IS 13382 over 300 mm dia	quintal	9885.36
7712	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 100 mm dia	metre	1430.77
7713	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 150 mm dia	metre	2237.22
7714	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 200 mm dia	metre	3537.92
7715	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 250 mm dia	metre	4266.31
7716	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 300 mm dia	metre	5452.56
7717	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 350 mm dia	metre	6867.73
7718	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 400 mm dia	metre	8896.83
7719	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 450 mm dia	metre	11342.15
7720	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 500 mm dia	metre	14110.05
7721	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 600 mm dia	metre	19562.61
7722	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 100 mm dia	metre	806.44
7723	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 150 mm dia	metre	1165.43
7724	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 200 mm dia	metre	1612.87
7725	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 250 mm dia	metre	2185.18
7726	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 300 mm dia	metre	3017.64
7727	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 350 mm dia	metre	3584.74
7728	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 400 mm dia	metre	4177.87

Code No	Description	Unit	Present Approved rate
1	2	3	4
7729	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 450 mm dia	metre	5048.81
7730	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 500 mm dia	metre	5967.63
7731	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 600 mm dia	metre	7783.42
7732	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 700 mm dia	metre	10002.94
7733	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 800 mm dia	metre	12590.83
7734	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 900 mm dia	metre	16721.87
7735	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 1000 mm dia	metre	17722.90
7736	Extruded burnt flyash clay sewer bricks conforming to I.S 4885	1000nos	5619.05
7737	Fly ash lime bricks (FALG Bricks) conforming to I.S. 12894 - 1989	1000nos	4890.66
7738	Calcium Silicate Bricks machine moulded confirming to I.S. 4139	1000nos	5202.82
7739	Modified Bitumen Refinery produced CRMB - 55	toone	42559.08
7741	Modified Bitumen Refinery produced CRMB - 60	toone	42455.03
7742	Bitumen emulsion medium setting (M.S.) conforming to IS : 8887	toone	31216.94
7743	M.S. pipe 150 mm dia casing pipe	metre	1103.00
7744	M.S. pipe 200 mm dia casing pipe	metre	1352.73
7745	PVC blind pipe 150 mm dia as per IS: 12818	metre	520.28
7746	PVC blind pipe 200 mm dia as per IS: 12818	metre	780.42
7747	M.S. cap 150 mm dia	each	166.49
7748	M.S. cap 200 mm dia	each	208.12
7749	M.S bail plug 150 mm dia	each	208.12
7750	M.S bail plug 200 mm dia	each	228.93
7751	PVC slotted pipe 150 mm dia as per IS: 12818	metre	468.26
7752	PVC slotted pipe 200 mm dia as per IS: 12818	metre	728.39
7753	Boulder 50 mm to 200 mm	cum	364.20
7754	Gravel 5 mm to 10 mm	cum	728.39
7755	Gravel 1.5 mm to 2 mm	cum	676.37
7756	Gravel 3 mm to 6 mm	cum	707.58
7757	M.S. pipe 100 mm dia casing pipe	metre	801.23
7758	UPVC blind pipe 100 mm dia as per IS: 12818	metre	374.61
7759	UPVC slotted pipe 100 mm dia as per IS: 12818	metre	395.41
7760	M.S. cap 100 mm dia	each	135.27
7761	M.S. bail plug 100 mm dia	each	166.49
7762	Precast R.C.C. perforated slab	each	832.45
7763	Water supply tanker of 5000 litre capacity	each	832.45
7764	M.S. socket 100 mm dia	each	187.30
7765	M.S. socket 150 mm dia	each	228.93
7766	M.S. socket 200 mm dia	each	291.36
7767	Stone cleaning chemical approved by ASI	litre	171.70
7768	Water repellent chemical approved by ASI	litre	1651.37

Code No	Description	Unit	Present Approved rate
1	2	3	4
7769	Stone surface strengthening chemical approved by ASI	litre	1061.38
7770	Turpentine oil	litre	70.76
7771	Liquid Amonia 5%	litre	167.53
7772	Pea Gravel	cum	780.42
7773	Coloured inter locking C.C. paver Block	sqm	520.28
7774	Stone size 10x10x7.50cm	each	9.36
7775	Sodium pentachlorophenate	kilogram	655.56
7800	Ceramic Glazed Tiles 1st Quality minimum thickness 5mm in all colours shades except Burgandy, Bottle Green, Black	sqm	312.17
7801	Ceramic Glazed Tiles 1st quality 300x300 mm in all shades & designs of White, Ivory, Fume Red Brown etc.	sqm	379.80
7802	Ceramic Glazed Tiles 1st quality 300x300 mm in all shades & designs except White, Ivory, Grey and Fume Red Brown etc.	sqm	390.21
7803	Ceramic Glazed Tiles 1st quality 300x300 or more in all shades designs White, Ivory, Grey and Fume Red Brown etc.	sqm	535.90
7804	Ceramic Glazed Tiles 1st quality 300x300 or more mm hi all shades designs except White, Ivory, Grey and Fume Red brown etc.	sqm	567.11
7805	Salem Stainless steel AISI - 304 (18/8) Orrisa pattern W.C. pan 724 mm X 578 mm	each	3954.15
7806	Salem Stainless steel AISI - 304 (18/8) Round basin 405 mm X355 mm	each	1925.04
7807	Salem Stainless steel AISI - 304 (18/8) Wash basin 530 mm X 345 mm each	each	1716.93
7808	Centrifugally cast (spun) iron S&S 100 mm inlet and 100 mm outlet	each	452.65
7809	Centrifugally cast (spun) iron S&S 100 mm inlet and 75 mm outlet	each	486.98
7850	Agaria White marble slab plain 18 mm thick	each	1165.43
7857	P.T.M.T. Grating square slit 150 mm	each	80.12
7858	P.T.M.T. Urinal cock 15mm dia	each	124.87
7859	P.T.M.T. Bib cock with nozzle 15 mm	each	150.89
7861	P.T.M.T. Stop cock (conceaed) 15 mm	each	164.41
7862	15 mm nominal bore and 30 cm length PVC connection pipe with P.T.M.T. Nuts	each	33.30
7863	15 mm nominal bore and 45 cm length PVC connection pipe with P.T.M.T. Nuts	each	41.62
7864	P.T.M.T. extension nipple 15 mm	each	33.30
7865	P.T.M.T. extension nipple 20 mm	each	39.54
7866	P.T.M.T. extension nipple 25 mm	each	59.31
7893	Tactile tile	sqm	903.21
7895	Matt finished vitrified tile 100x100 x16 mm	sqm	967.72
7896	Vitrified tile	sqm	530.69
7900	Modular common burnt clay bricks of class designation 7.5	1,000nos	4682.54
7901	Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5	1,000nos	4786.60
7902	Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1,000nos	4786.60
7903	Machine moulded common burnt clay FPS (non modular) bricks of class designation 12.5	1,000nos	4682.54
7904	Machine moulded common burnt clay tile bricks of class designation 12.5	1,000nos	5202.82

Code No	Description	Unit	Present Approved rate
1	2	3	4
8001	24 mm thick Factory made shutters with styles, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	2237.22
8002	30 mm thick Factory made shutters with styles, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	2341.27
8003	Factory made PVC rigid foam panelled door shutter 30 mm thick	sqm	2237.22
8004	Factory made PVC rigid foam panelled shutters as per I S: 4020 i/c carriage	sqm	2653.44
8006	Factory made PVC rigid foam sheet 1 mm thick	sqm	192.50
8007	Factory made PVC rigid foam sheet 5 mm thick	sqm	657.63
8008	Factory made Prelaminated PVC rigid foam sheet 5 mm thick	sqm	782.50
8010	Factory made PVC Door frame 48x40x1.5 mm in white , grey or wooden finish	metre	156.08
8011	Factory made door frame PVC extruded sheet i/c carriage	metre	364.20
8012	Adhesive Solvent cement	litre	171.70
8014	Factory made door frame of size 50x47 mm with wall thickness 5mm made of single piece extruded profile	metre	509.88
8100	Powder coated M.S. Butt Hinges 100x58x1.9mm	10 Nos	88.45
8200	APP modified Polymeric felt 1.5 mm thick	sqm	62.43
8201	APP modified Polymeric felt 2.0 mm thick	sqm	103.02
8203	A P.P. modified 2 mm thick membrane reinforced with glass fibre matt.	sqm	173.77
8204	A.P.P. modified 3 mm thick membrane reinforced with glass fibre matt.	sqm	215.40
8205	A.P.P. modified 3 mm thick membrane reinforced with polyester matt.	sqm	254.93
8206	Bitumen primer for bitumat membrane.	litre	85.33
8207	Geotextile 120 gsm membrane	sqm	39.54
8210	Stainless Steel 50mm long Screws	100 Nos.	260.14
8211	Stainless Steel 40mm long Screws	100 Nos.	208.12
8212	Stainless Steel 30mm long Screws	100. Nos.	156.08
8214	Stainless Steel 20mm long Screws	100 Nos.	104.06
8215	Stainless Steel 125x64x1.90mm Butt Hinge IS: 12817 marked	10 Nos.	260.14
8216	Stainless Steel 100x58x1.90mm Butt Hinge IS : 12817 marked	10 Nos.	239.33
8217	Stainless Steel 75x47x1.80mm Butt Hinge IS : 12817 marked	10 Nos.	156.08
8218	Stainless Steel 50x37x1.50mm Butt Hinge IS: 12817 marked	10 Nos.	135.27
8219	Stainless Steel 125x64x2.50mm Butt Hinge IS: 12817 marked	10 Nos.	343.39
8220	Stainless Steel 100x60x2.50mm Butt Hinge IS:12817 marked	10 Nos.	249.74
8221	Stainless Steel 75x60x2.50mm Butt Hinge IS: 12817 marked	10 Nos.	202.91
8222	M. S. heavy weight butt hinges 125x90x4.00mm (heavy weight) IS: 1341 marked	10 Nos.	343.39
8223	M. S. heavy weight butt hinges 100x75x3.50mm (heavy weight) IS: 1341 marked	10 Nos.	176.89
8224	M.S. heavy weigh butt hinges 75x60x3.10mm (heavy weight) IS: 1341 marked	10 Nos.	93.65
8225	M.S. heavy weight butt hinges 50x40x2.50mm (heavy weight) IS: 1341 marked	10 Nos.	78.04
8300	1216 mm PE-AL-PE Composite pressure pipe	metre	98.85

Code No	Description	Unit	Present Approved rate
1	2	3	4
8301	1620 mm PE-AL-PE Composite pressure pipe	metre	130.07
8302	2025 mm PE-AL-PE Composite pressure pipe	metre	166.49
8303	2532 mm PE-AL-PE Composite pressure pipe	metre	213.31
8304	3240 mm PE-AL-PE Composite pressure pipe	metre	353.80
8305	4050 mm PE-AL-PE Composite pressure pipe	metre	390.21
8501	Polymer modified cementation coating	kilogram	140.48
8502	Fibre glass cloth	sqm	45.78
8503	Fibre glass cloth	sqm	48.85
8504	Multi surface paint	litre	286.16
8505	Acralyc exterior paint	litre	145.68
8506	Premium Acralyc exterior paint	litre	244.53
8507	Textured exterior paint	litre	208.12
8508	Primer for cement paint	litre	81.16
8509	Special Primer (C.W.)	litre	86.37
8510	Metal Primer (U.G.)	litre	124.87
8589	Calcium Silicate tegular edged ceiling tiles 595x595 mm and 15mm thick	sqm	892.80
8590	Galvanised Steel main Tee ceiling section Size 24x38x0.33 mm(3 metre long)	each	199.79
8591	Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long)	each	130.07
8592	Galvanised Steel intermediate cross T section Size 24 x 25 x0.33 mm (1.2 metre long)	each	80.12
8593	Galvanised Steel intermediate cross T section Size 24 x 25 x0.33 mm (0.6 metre long)	each	40.59
8594	Galvanised Steel soffit cleat size 25x35x1.60 mm	each	3.12
8595	Wooden screws with plastic rawl plugs 35x8 mm	each	0.62
8597	GI Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	931.30
8598	GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	1040.57
8599	GI Metal Tile Lay-in Plain Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick	sqm	841.82
8600	GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick	sqm	942.75
8601	PVC Laminated Gypsum Tiles (Square edge) of Size 595x595 mm and 12.5 mm thick	sqm	486.98
8602	Gypsum Tiles Fully Perforated Square edge of Size 595x595 mm and 12.5 mm thick	sqm	503.64
8604	Spring T-section 24x34x0.45 mm (3.00 meter long)	metre	187.30
8605	C Wall angle section 20x30x20x0.50 mm (3.00 meter long)	metre	161.29
8606	Main C Carrier Size 10x38x10x0.70 mm (3.00 meter long)	metre	170.65
8607	Spring T-connector	each	5.21
8608	C Carrier Connector	each	11.45
8609	C Suspension Clip	each	11.45
8610	Wire Coupling Clip	each	9.36
8611	Main T ceiling sections 24x38x0.3 mm (3 meter long)	each	194.58
8612	Perimeter Wall angle 21 x21 mm (3 meter long)	each	122.79

Code No	Description	Unit	Present Approved rate
1	2	3	4
8613	Intermediate Cross Channel (1.2 mtrs)	each	74.92
8614	Intermediate Cross Channel (1.6 mtrs)	each	35.38
8615	Hanger rod 0.5 mm thick	each	8.33
8616	Adjustment clip	each	6.24
8617	Soffit Cleat	each	3.12
8618	Dash fastener 6 mm dia 50 mm long	each	11.45
8620	Vitrified floor tiles 50x50 cm	sqm	775.22
8621	Vitrified floor tiles 60x60 cm	sqm	915.70
8622	Vitrified floor tiles 80x80 cm	sqm	1129.01
8623	Vitrified floor tiles 1 00x1 00 cm	sqm	1716.93
8625	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 16 mm Outer dia	metre	38.50
8626	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 20mm Outer dia	metre	59.31
8627	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 25mm Outer dia	metre	91.57
8628	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 32mm Outer dia	metre	147.76
8629	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 40mm Outer dia	metre	221.64
8630	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 50mm Outer dia	metre	346.51
8631	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 63mm Outer dia	metre	533.81
8632	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 75mm Outer dia	metre	728.39
8633	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 90mm Outer dia	metre	1109.25
8634	Poly propylene- Random - Co - Polymer (PPR) pipes SDR -11- 110 mm Outer dia	metre	1248.67
8635	Poly propylene- Random - Co - Polymer (PPR) pipes SDR-11 - 160mm Outer dia	metre	2601.42
8636	Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm outer dia	metre	57.23
8637	Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm outer dia	metre	70.76
8638	Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm outer dia	metre	98.85
8639	Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia	metre	135.27
8640	Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm outer dia	metre	192.50
8641	Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm outer dia	metre	312.17
8642	Chlorinated Polyvinyl - chloride (CPVC) pipe 62.5 mm inner dia	metre	946.91
8643	Chlorinated Polyvinyl - chloride (CPVC) pipe 75 mm inner dia	metre	1352.73
8644	Chlorinated Polyvinyl - chloride (CPVC) pipe 100 mm inner dia	metre	1873.02
8645	Chlorinated Polyvinyl - chloride (CPVC) pipe 150 mm inner dia	metre	2237.22
8646	Silicon sealant	cartridge	319.45
8647	Stainless steel screws 30mmx4mm	cent	30.18
8648	Hermetically sealed double glazed unit made with 6mm thick clear float glass both side having 12 mm air gap	sqm	2382.89
8649	Stainless steel (ss 304 grade) adjustable friction windows stay 205x19mm	each	178.98

Code No	Description	Unit	Present Approved rate
1	2	3	4
8650	Stainless steel (ss 304 grade) adjustable friction window stay 255x19mm	each	223.72
8651	Stainless steel (ss 304 grade) adjustable friction window stay 355x19mm	each	286.16
8652	Stainless steel (ss 304 grade) adjustable friction window stay 510x19mm	each	509.88
8653	Stainless steel (ss 304 grade) adjustable friction window stay 710x19mm	each	884.48
8654	Masking tape	metre	2.60
8655	Autoclaved aerated cement (AAC) blocks.	cum	2453.37
8656	Gypsum panel 666x500x100 mm size	sqm	499.47
8657	Bonding laster for gypsum panel.	kg	57.23
8658	Mechanised autoclaved fly ash lime bricks.	1000 nos	4765.79
8659	Water proof ply 12 mm thick.	sqm	676.37
8660	Aluminium casement window fastener(anodised ac 15)	each	41.62
8661	A'uminium casement window fastener(powder coated).	each	42.66
8662	Aluminium casement window fastener (polyester powder coated).	each	41.62
8663	Aluminium round shpe handle (anodised ac" 15)	each	50.99
8664	Aluminium round shpe handle (powder coated)	each	56.19
8665	Aluminium round shape handle (polyester powder coated).	each	61.40
8666	Stainless steei ocrews 25mmx4mm	cent	33.30
8667	UV-stabilised 2 mm thick plain frp sheet.	sqm	483.86
8668	UV stabilised 2 mm thick corrugated frp sheet.	sqm	559.83
8669	Mangalore ridgetiles 20 mm thick	each	30.18
8670	Mangalore tiles 20 mm thick.	each	10.92
8671	Precoated galvanised iron rfilesheet 0.50 mm tct	sqm	452.65
8672	Precoated galvanised steel plain ridges.	metre	457.84
8673	Precoated galvanised steel flashings/aprons.	metre	457.84
8674	Precoated galvanised steel gutter	metre	473.46
8675	Precoated galvanised steel north light curves.	metre	473.46
8676	Precoated galvanised steel barge board	metre	463.05
8677	Precoated galvanised steel crimp curve	sqm	494.27
8678	1 mm thick 35 mm wide bright finished stainless steel paino hinges.	metre	41.62
8682	Epoxy Grout	kg	530.69
8683	Red sand stone gang saw cut 30 mm thick.	sqm	478.66
8684	White sand stone gang saw cut 30 mm thick.	sqm	499.47
8685	Delineator	each	322.57
8686	Precast c.c. kerb stone M-25	cum	4266.31
8687	Thermoplastic paint	kg	65.56
8688	glass beads	kg	64.52
8689	Interlocing c.c. paverblock (60 mm thick, m-30)	sqm	338.18
8690	High intensity retro-reflective sheet.	sqm	1586.86
8691	Punched tape concertina coil 600 m dia. 10m openable length (total length 90 m)	bundle	780.42

Code No	Description	Unit	Present Approved rate
1	2	3	4
8692	RBT reinforced barbed wire.	metre	9.36
8693	Turn buckle and strengthening bolte	each set	41.62
8694	Precast pavement slab 450x450x50 mm (m-30).	each	62.43
8695	Chain link fabric fencing mesh of size 50x50xmm made of G.I wire of dia. 4mm, pvc coated to outer dia. 5mm.	sqm	268.47
8696	Chain lind fabric fencing mesh of size 25x25xmm made of G.I wireof dia. 3 mm.	sqm	296.56
8697	Chain link fencing mesh of size 25x25 mm made of g.i. wire of dia. 3 mm.	sqm	353.80
8698	Stainless steei cramps with nuts, bolts and washer for dry stone cladding.	each	93.65
8699	8 mm thick tapered edge calcium silicated board.	sqm	382.92
8700	10 mm thick calcium silicate board.	sqm	405.82
8701	SS pipe 304 grades with press fit technology as per JIS 3448 standard 48.60 mm outer dia	metre	707.58
8702	Coupling/Socket fittings for 15.88 mm outer dia SS pipe	each	59.31
8703	Telescopic drawer channels 300 mm long.	set	145.68
8704	Stainless steel roller for sliding arrangement in racks/cupboards/cabinets shutter.	each	8.33
8705	50 mm x42mm x2 mm thick factory made door frame of pvc extruded sections in whiter, grey or wooden finish	metre	145.68
8706	25mm thick factory made pvc flush door shutter i/c carriage.	sqm	2237.22
8707	Factory made glass reinforced plastic door frame 90x45 mm i/c carriage.	metre	395.41
8708	30 mm thick factory made glass fiber reinforced plastic panel door shutter i/c carriage.	sqm	1925.04
8709	30 mm thick factory made solid PVC profile panelled door single piece extruded profile decorative finish (wood grain printed on both side)	sqm	2757.50
8710	Factory made solid PVC door frame 60x30xmm i/c cariage.	metre	301.76
8711	28 mm factory made solid pvc panel door shutter i/c carriage.	sqm	2341.27
8712	30 mm thick factory made solid PVC profile panelled door single piece extruded profile non decorative finish	sqm	2193.51
8713	Fiber glass reinforced plastic chajja.	sqm	3746.03
8714	Magnetic catcher triple strip horizontal type.	each	20.81
8715	Magnetic catcher double strip horizontal type.	each	15.61
8716	100 mm mortice lock with 6 levers for aluminium door.	each	343.39
8717	12.5 mm thick glass fibre reinforced gypsum board.	sqm	176.89
8719	2nd class teak wood lipping/moulded beading or taj beading of size,18x5mm	metre	31.21
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	41.62
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	26.02

Code No	Description	Unit	Present Approved rate
1	2	3	4
8722	Nylon sleeves & wooden screws (40mm)	each	2.08
8723	Counter sunk ribbed head screw 25 mm.	cent	78.04
8724	12 mm thick marine plywood conforming to is: 710	sqm	884.48
8725	12 mm thick fire retardant plywood conforming to is:5509.	sqm	915.70
8726	1.5 mm thick decorative laminated sheet	sqm	509.88
8727	1.0 mm thick decorative laminated sheet	sqm	395.41
8730	30 mm thick factory made glass fibre reinforced plastic flush door shutter i/c carriage.	sqm	2237.22
8731	High polymer modified quickset tile adhesive.	per kg	17.69
8732	Synthetic polyester triangular fibre of length 12 mm, effective diameter 10-40 microns and specific gravity of 1:34 to 1:40	kg	379.80
8733	Synthetic polyester triangular fibre of length 6 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40	kg	379.80
8734	P.V.C. Single piece extruded door frame of profile size 50 mm x 47 mm with wall thickness of 5 mm	metre	364.20
8735	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile non decorative finished (Matt finished)	sqm	2185.18
8736	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile decorative finished (Wood grain finished)	sqm	2705.46
8737	Stainless steel wire gauge (Grade-304) aperture 1.4 mm and 0.50 mm dia wire	sqm	863.67
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 vermiculite based concrete mix	metre	1040.57
8739	Fire rated door shutter made with 16 SWG G.I. sheet (60 minutes) without panel	sqm	5462.96
8740	Fire seal Putty	kg	728.39
8741	Clear fire resistant glass panes 6mm thick (60 minutes)	sqm	21851.85
8742	G.I. U beading of 16 SWG G.I. sheet (zinc coating >120gm/m ²) with ceramic tape of suitable thickness and fire resistant primer coating	metre	270.55
8743	Matrix Mineral Board	metre	67.64
8744	Panic Bar / latch (Double point)	each	5202.82
8745	65 mm x 55 mm x 2 mm thick Factory made door frame of PVC extruded section in white, grey or wooden finish	metre	343.39
8746	37 mm thick Factory made shutter with style, rails and panels of PVC extruded section in white or grey finish i/c carriage	sqm	2445.32
8747	75 mm x 53 mm x 2.0 mm thick Factory made door frame of PVC extruded section in white, grey or wooden finish	metre	364.20
8748	37 mm thick Factory made fusion welded shutter with style, rails and panels of PVC extruded section in wooden finish	sqm	2549.38
8750	Zinc alloy (white powder coated) casement handle for uPVC windows	each	166.49
8751	Zinc alloy (white powder coated) Touch Lock for UPVC windows	each	114.46
8752	Zinc alloy rollers for UPVC windows	each	52.02

Code No	Description	Unit	Present Approved rate
1	2	3	4
8753	Zinc alloy rollers for UPVC door	each	88.45
8754	Zinc alloy (white powder coated) casement lock for UPVC windows	each	104.06
8755	Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for UPVC windows	each	239.33
8756	Stainless steel friction hinge of size 250 mm x 19 x 1.9 mm for UPVC windows	each	301.76
8757	Stainless steel friction hinge of size 300 mm x 19 x 1.9 mm for UPVC windows	each	385.01
8758	Stainless steel friction hinge of size 350 mm x 19 x 1.9 mm for UPVC windows	each	437.03
8759	Stainless steel friction hinge of size 400 mm x 19 x 1.9 mm for UPVC windows	each	551.50
8760	UPVC extruded profile casement window Frame (50 mm x 50 mm)	metre	171.70
8761	UPVC extruded profile casement window sash (Style and Rail) (62 mm x 34 mm)	metre	156.08
8762	UPVC extruded profile casement window mullion (intermediate section) (66 mm x 50 mm)	metre	192.50
8763	UPVC extruded profile casement window 'T' profile (one vertical length in between two shutters) (24 mm x 34.5 mm)	metre	52.02
8764	UPVC extruded profile casement window glazing bead (12 mm x 18 mm)	metre	52.02
8765	UPVC extruded profile casement window Frame (67 mm x 62 mm)	metre	244.53
8766	UPVC extruded profile casement Window Sash/Mullion (67 mm x 75 mm) (Style, rail and intermediate section)	metre	275.75
8767	UPVC extruded profile casement window glazing bead (35 mm x 18 mm)	metre	88.45
8768	UPVC extruded profile Two Track Sliding frame (67 mm x 52 mm)	metre	254.93
8769	UPVC extruded profile Sliding window Sash (60 mm x 44 mm)	metre	239.33
8770	UPVC extruded profile Sliding Interlock for Window (one vertical length in each shutter) (45.5 mm x 28 mm)	metre	52.02
8771	UPVC extruded profile Sliding Door Sash (80 mm x 44 mm)	metre	301.76
8772	Aluminium Track on bottom rail for uPVC window	metre	26.02
8773	Wool Pine for uPVC window	metre	18.73
8774	Aluminium Grill	metre	260.14
8775	Steel Galvanised tubular reinforcement for uPVC door/ window	metre	52.02
8776	Stainless steel dash fastener of 8 mm dia and 75 mm long bolt	each	20.81
8778	Toughened glass 12 mm thickness	sqm	1977.07
8779	SS pipe 304 grades with press fit technology as per JIS 3448 standard 15.88 mm outer dia	metre	149.84
8780	SS pipe 304 grades with press fit technology as per JIS 3448 standard 22.22 mm outer dia	metre	264.31

Code No	Description	Unit	Present Approved rate
1	2	3	4
8781	SS pipe 304 grades with press fit technology as per JIS 3448 standard 28.58 mm outer dia	metre	343.39
8782	SS pipe 304 grades with press fit technology as per JIS 3448 standard 34.00 mm outer dia	metre	486.98
8783	SS pipe 304 grades with press fit technology as per JIS 3448 standard 42.70 mm outer dia	metre	605.61
8784	8 mm thick Calcium silicate perforated tiles of size 595 x595 mm	sqm	715.91
8786	Coupling/Socket fittings for 22.22 mm outer dia SS pipe	each	91.57
8787	Coupling/Socket fittings for 28.58 mm outer dia SS pipe	each	112.38
8788	Coupling/Socket fittings for 34.00 mm outer dia SS pipe	each	240.37
8789	Coupling/Socket fittings for 42.70 mm outer dia SS pipe	each	343.39
8790	Coupling/Socket fittings for 48.60 mm outer dia SS pipe	each	464.09
8791	Reducer for 22.22 mm X 15.88 mm outer Dia SS pipe	each	107.18
8792	Reducer for 28.58 mm X 15.88 mm outer Dia SS pipe	each	146.72
8793	Reducer for 28.58 mm X 22.22 mm outer Dia SS pipe	each	150.89
8794	Reducer for 34.00 mm X 15.88 mm outer Dia SS pipe	each	226.82
8795	Reducer for 34.00 mm X 22.22 mm outer Dia SS pipe	each	246.62
8796	Reducer for 34.00 mm X 28.58 mm outer Dia SS pipe	each	246.62
8797	Reducer for 42.70 mm X 15.88 mm outer Dia SS pipe	each	373.56
8798	Reducer for 42.70 mm X 22.22 mm outer Dia SS pipe	each	376.68
8799	Reducer for 42.70 mm X 28.58 mm outer Dia SS pipe	each	376.68
8800	Reducer for 42.70 mm X 34.00 mm outer Dia SS pipe	each	402.70
8801	Reducer for 48.60 mm X 15.88 mm outer Dia SS pipe	each	486.98
8802	Reducer for 48.60 mm X 22.22 mm outer Dia SS pipe	each	489.07
8803	Reducer for 48.60 mm X 28.58 mm outer Dia SS pipe	each	493.23
8804	Reducer for 48.60 mm X 34.00 mm outer Dia SS pipe	each	498.43
8805	Reducer for 48.60 mm X 42.70 mm outer Dia SS pipe	each	543.17
8806	Slip Coupling / Socket 15.88 mm outer dia SS pipe	each	117.58
8807	Slip Coupling / Socket 22.22 mm outer dia SS pipe	each	191.46
8808	Slip Coupling / Socket 28.58 mm outer dia SS pipe	each	245.57
8809	Slip Coupling / Socket 34.00 mm outer dia SS pipe	each	363.16
8810	Slip Coupling / Socket 42.70 mm outer dia SS pipe	each	509.88
8811	Slip Coupling / Socket 48.60 mm outer dia SS pipe	each	633.70
8812	Elbow 90o for 15.88 mm outer dia SS pipe	each	89.49
8813	Elbow 90o for 22.22 mm outer dia SS pipe	each	159.20
8814	Elbow 90o for 28.58 mm outer dia SS pipe	each	219.56
8815	Elbow 90o for 34.00 mm outer dia SS pipe	each	446.41
8816	Elbow 90o for 42.70 mm outer dia SS pipe	each	683.65
8817	Elbow 90o for 48.60 mm outer dia SS pipe	each	840.78
8818	Reducing Elbow 90o for 22.22 mm X 15.88 mm outer dia SS pipe	each	154.01

Code No	Description	Unit	Present Approved rate
1	2	3	4
8819	Reducing Elbow 90o for 28.58 mm X 15.88 mm outer dia SS pipe	each	224.76
8820	Reducing Elbow 90o for 28.58 mm X 22.22 mm outer dia SS pipe	each	229.96
8821	Reducing Elbow 90o for 34.00 mm X 22.22 mm outer dia SS pipe	each	334.02
8822	Reducing Elbow 90o for 34.00 mm X 28.58 mm outer dia SS pipe	each	412.06
8823	Reducing Elbow 90o for 42.70 mm X 34.00 mm outer dia SS pipe	each	726.31
8824	Equal Tee for 15.88 mm outer dia SS pipe	each	165.45
8825	Equal Tee for 22.22 mm outer dia SS pipe	each	240.37
8826	Equal Tee for 28.58 mm outer dia SS pipe	each	308.01
8827	Equal Tee for 34.00 mm outer dia SS pipe	each	642.03
8828	Equal Tee for 42.70 mm outer dia SS pipe	each	899.05
8829	Equal Tee for 48.60 mm outer dia SS pipe	each	1069.70
8830	Reducing Tee for 22.22 mm X 15.88 mm outer dia SS pipe	each	234.12
8831	Reducing Tee for 28.58 mm X 15.88 mm outer dia SS pipe	each	291.36
8832	Reducing Tee for 28.58 mm X 22.22 mm outer dia SS pipe	each	302.80
8833	Reducing Tee for 34.00 mm X 15.88 mm outer dia SS pipe	each	570.23
8834	Reducing Tee for 34.00 mm X 22.22 mm outer dia SS pipe	each	580.64
8835	Reducing Tee for 34.00 mm X 28.58 mm outer dia SS pipe	each	586.88
8836	Reducing Tee for 42.70 mm X 15.88 mm outer dia SS pipe	each	852.23
8837	Reducing Tee for 42.70 mm X 22.22 mm outer dia SS pipe	each	854.30
8838	Reducing Tee for 42.70 mm X 28.58 mm outer dia SS pipe	each	855.35
8839	Reducing Tee for 42.70 mm X 34.00 mm outer dia SS pipe	each	863.67
8840	Reducing Tee for 48.60 mm X 15.88 mm outer dia SS pipe	each	930.27
8841	Reducing Tee for 48.60 mm X 22.22 mm outer dia SS pipe	each	950.03
8842	Reducing Tee for 48.60 mm X 28.58 mm outer dia SS pipe	each	957.32
8843	Reducing Tee for 48.60mm X 34.00 mm outer dia SS pipe	each	996.86
8844	Reducing Tee for 48.60mm X 42.70mm outer dia SS pipe	each	1033.28
8845	Male thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded	each	297.60
8846	Male thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded	each	357.95
8847	Male thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded	each	382.92
8848	Male thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded	each	430.79
8849	Male thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	449.53
8850	Male thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	502.59
8851	Male thread Tee for 34.00 mm outer dia X 15 mm nominal dia	each	626.42

Code No	Description	Unit	Present Approved rate
1	2	3	4
8852	Male thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded	each	677.41
8853	Male thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded	each	808.52
8854	Male thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded	each	1020.79
8855	Male thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded	each	956.27
8856	Male thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded	each	979.17
8857	Male thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded	each	1065.54
8858	Male thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded	each	1183.12
8859	Male thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded	each	1437.02
8860	Male thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded	each	1040.57
8861	Male thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded	each	1071.78
8862	Male thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded	each	1117.56
8863	Male thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded	each	1342.33
8864	Male thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded	each	1489.05
8865	Male thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded	each	1819.95
8866	Female thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded	each	303.85
8867	Female thread Tee for 22.22 mm outer dia X 15 mm nominal dia	each	357.95
8868	Female thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded	each	370.44
8869	Female thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded	each	463.05
8870	Female thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	473.46
8871	Female thread Tee for 28.58 mm outer dia X 25 mm nominal dia threaded	each	518.20
8872	Female thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded	each	695.10
8873	Female thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded	each	706.55
8874	Female thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded	each	797.07
8875	Female thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded	each	946.91

Code No	Description	Unit	Present Approved rate
1	2	3	4
8876	Female thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded	each	930.27
8877	Female thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded	each	946.91
8878	Female thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded	each	1063.45
8879	Female thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded	each	1110.28
8880	Female thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded	each	1209.13
8881	Female thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded	each	1108.20
8882	Female thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded	each	1119.65
8883	Female thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded	each	1160.23
8884	Female thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded	each	1232.03
8885	Female thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded	each	1283.02
8886	Female thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded	each	1421.41
8887	Female threaded Connector/Adapter for 15.88 mm outer dia X 15mm nominal threaded	each	197.70
8888	Female threaded Connector/Adapter for 22.22 mm outer dia X 15mm nominal threaded	each	239.33
8889	Female threaded Connector/Adapter for 22.22 mm outer dia X 20mm nominal threaded	each	246.62
8890	Female threaded Connector/Adapter for 28.58 mm outer dia X 15mm nominal threaded	each	288.24
8891	Female threaded Connector/Adapter for 28.58 mm outer dia X 20mm nominal threaded	each	297.60
8892	Female threaded Connector/Adapter for 28.58 mm outer dia X 25mm nominal threaded	each	350.67
8893	Female threaded Connector/Adapter for 34.00 mm outer dia X 25mm nominal threaded	each	425.59
8894	Female threaded Connector/Adapter for 34.00 mm outer dia X 32mm nominal threaded	each	559.83
8895	Female threaded Connector/Adapter for 42.70 mm outer dia X 32mm nominal threaded	each	599.37
8896	Female threaded Connector/Adapter for 42.70 mm outer dia X 40mm nominal threaded	each	708.62
8897	Female threaded Connector/Adapter for 48.60 mm outer dia X 40mm nominal threaded	each	871.99
8898	Female threaded Connector/Adapter for 48.60 mm outer dia X 50mm nominal threaded	each	1004.14
8899	Male threaded Connector/Adapter for 15.88 mm outer dia X 15mm nominal threaded	each	200.83

Code No	Description	Unit	Present Approved rate
1	2	3	4
8900	Male threaded Connector/Adapter for 22.22 mm outer dia X 15mm nominal threaded	each	236.21
8901	Male threaded Connector/Adapter for 22.22 mm outer dia X 20mm nominal threaded	each	258.06
8902	Male threaded Connector/Adapter for 28.58 mm outer dia X 20mm nominal threaded	each	325.70
8903	Male threaded Connector/Adapter for 28.58 mm outer dia X 25mm nominal threaded	each	332.98
8904	Male threaded Connector/Adapter for 34.00 mm outer dia X 25nominal dia threaded	each	479.70
8905	Male threaded Connector/Adapter for 34.00 mm outer dia X 32nominal dia threaded	each	587.92
8906	Male threaded Connector/Adapter for 42.70 mm outer dia X 32nominal dia threaded	each	675.32
8907	Male threaded Connector/Adapter for 42.70 mm outer dia X 40 nominal dia threaded	each	755.45
8908	Male threaded Connector/Adapter for 48.60 mm outer dia X 40	each	874.08
8909	Male threaded Connector/Adapter for 48.60 mm outer dia X 50 nominal dia threaded	each	1184.16
8910	Valve Connector for 15.88 mm outer dia X 15 mm nominal dia nominal dia threaded	each	243.50
8911	Valve Connector for 22.22 mm outer dia X 15 mm nominal dia nominal dia threaded	each	287.19
8912	Valve Connector for 22.22 mm outer dia X 20 mm nominal dia nominal dia threaded	each	306.97
8913	Valve Connector for 28.58 mm outer dia X 25 mm nominal dia nominal dia threaded	each	441.20
8914	Valve Connector for 34.00 mm outer dia X 32 mm nominal dia nominal dia threaded	each	654.51
8915	Valve Connector for 42.70 mm outer dia X 40 mm nominal dia nominal dia threaded	each	910.49
8916	Valve Connector for 48.60 mm outer dia X 50 mm nominal dia nominal dia threaded	each	1223.70
8917	Female Threaded Elbow 90o for 15.88 mm outer dia X 15 mm nominal dia threaded	each	213.31
8918	Female Threaded Elbow 90o for 22.22 mm outer dia X 15 mm nominal dia threaded	each	286.16
8919	Female Threaded Elbow 90o for 22.22 mm outer dia X 20 mm nominal dia threaded	each	295.52
8920	Female Threaded Elbow 90o for 28.58 mm outer dia X 25 mm nominal dia threaded	each	438.08
8921	Female Threaded Elbow 90o for 34.00 mm outer dia X 32 mm nominal dia threaded	each	762.74
8922	Female Threaded Elbow 90o for 42.70 mm outer dia X 32 mm nominal dia threaded	each	957.32
8923	Female Threaded Elbow 90o for 42.70 mm outer dia X40 mm nominal dia threaded	each	1035.36

Code No	Description	Unit	Present Approved rate
1	2	3	4
8924	Female Threaded Elbow 90o for 48.60 mm outer dia X 40 mm nominal dia threaded	each	1147.75
8925	Female Threaded Elbow 90o for 48.60 mm outer dia X 50 mm nominal dia threaded	each	1338.16
8926	Male Threaded Elbow 90o for 15.88 mm outer dia X 15 mm nominal dia threaded	each	224.76
8927	Male Threaded Elbow 90o for 22.22 mm outer dia X 15 mm nominal dia threaded	each	284.07
8928	Male Threaded Elbow 90o for 22.22 mm outer dia X 20 mm nominal dia threaded	each	299.68
8929	Male Threaded Elbow 90o for 28.58 mm outer dia X 25 mm nominal dia threaded	each	392.29
8930	Male Threaded Elbow 90o for 34.00 mm outer dia X 25 mm nominal dia threaded	each	629.54
8931	Male Threaded Elbow 90o for 34.00 mm outer dia X 32 mm nominal dia threaded	each	765.86
8932	Male Threaded Elbow 90o for 42.70 mm outer dia X 32 mm nominal dia threaded	each	971.89
8933	Male Threaded Elbow 90o for 42.70 mm outer dia X 40 mm nominal dia threaded	each	1103.00
8934	Male Threaded Elbow 90o for 48.60 mm outer dia X 40 mm nominal dia threaded	each	1238.27
8935	Male Threaded Elbow 90o for 48.60 mm outer dia X 50 mm nominal	each	1507.78
8936	Cap for 15.88 mm outer dia pipe	each	46.83
8937	Cap for 22.22 mm outer dia pipe	each	66.59
8938	Cap for 28.58 mm outer dia pipe	each	87.40
8939	Cap for 34.00 mm outer dia pipe	each	180.01
8940	Cap for 42.70 mm outer dia pipe	each	263.26
8941	Cap for 48.60 mm outer dia pipe	each	343.39
8942	Pipe Bridge for 15.88 mm outer dia pipe	each	222.68
8943	Pipe Bridge for 15.88 mm outer dia pipe	each	281.99
8944	Pipe Bridge for 28.58 mm outer dia pipe	each	423.51
8945	4 Point facade glass bracket	Nos	3452.60
8946	2 Point facade glass bracket	Nos	1726.29
8947	1 Point facade glass bracket	Nos	1460.95
8948	Flate head bolt	Nos	677.41
8949	400 fin plate at top	pair	6171.59
8953	Micro Silica	kg	33.30
8954	Stop end tubes for diaphragm wall 600 mm dia.	sqm	4.68
8955	Driving end tubes for diaphragm wall 600 mm dia.	sqm	74.92
9999	Sundries	L.S.	1.76
0842	Ready mix paint for wood work	Per litre	211.77
0843	Ready mix paint for steel work	Per litre	211.77
0288	Brick Khoa	Per m3	1523.55
1002	Mild steel round bar 12mm dia and below	quintal	3606.75
1007	Structural steel	quintal	3711.75
0993	Plain A.C sheet standard quality(6mm thick)	sqm	190.51

NEW CODES

Code No	Description	Unit	Present Approved rate
1	2	3	4
0303	Cowdung	cum	49.95
0801	Silicon and acrylic emulsion	litre	208.12
0802	Acrylic distemper 1st quality , having VOC content less than 50gm/litre	Kg	39.54
0803	Acrylic emulsion , having VOC content less than 50 gm/litre	litre	260.14
0804	Premium acrylic emulsion of interior grade, having VOC content less than 50 gm/litre	litre	364.20
0805	Synthetic enamel paint , having VOC (Volatile Organic Compound) content less than 150 gm/litre	litre	228.93
0806	Ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 gms/litre	litre	124.87
0807	Ready mixed red oxide zinc chromatic on steel/ iron work, having VOC content less than 250 gms/litre	litre	135.27
0808	Water thinnable cement primer for interior wall surface, having VOC content less than 50 gms/litre	litre	62.43
0809	Exterior Primer	kg	41.62
0824	Cement base wall care putty	kg	24.97
1011	Steel glazed door,window/ ventilator, all members viz. F7D, F4B,K11 and K12B etc	kg	49.95
1200	Kiln seasoned selected sheesham wood planks	10 cudm	676.37
1204	Precast heat resistant terrace tiles (size 300x300 mm) and 20 mm thick	sqm	501.55
2393	1 mm thick Stainless Steel Cover plate grade 304	kg	286.16
2394	Coupler 16 mm dia	sqm	69.71
2395	Coupler 20 mm dia	sqm	91.57
2396	Coupler 25 mm dia	sqm	135.27
2397	Coupler 28 mm dia	sqm	199.79
2398	Coupler 32 mm dia	sqm	240.37
2408	Float glass sheet of nominal thickness 8 mm (weight not less than 20.00 kg/ sqm)	sqm	728.39
2413	12 mm commercial ply	sqm	603.53
2414	18 mm thick block board with commercial ply veneering on both side	sqm	728.39
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 sleeve. Size 10 mm x 60 mm	10nos	260.14
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 sleeve. Size 10 mm x 80 mm	10nos	304.88

Code No	Description	Unit	Present Approved rate
1	2	3	4
2508	Carben Steel galvanised dash fastner (min 5 micron) of 10 mm diadouble threaded 6.8 grade counter sunk head screw comprising of 10 mmdia polyamide PA 6 grade sleeve. Size 10 mm x120 mm	10nos	378.77
2509	Carben Steel galvanised dash fastner (min 5 micron) of 10 mm diadouble threaded 6.8 grade counter sunk head screw comprising of 10 mmdia polyamide PA 6 grade sleeve. Size 10 mm x140 mm	10nos	468.26
2510	Carben Steel galvanised dash fastner (min 5 micron) of 10 mm diadouble threaded 6.8 grade counter sunk head screw comprising of 10 mmdia polyamide PA 6 grade sleeve. Size 10 mm x160 mm	10nos	593.12
2708	Truf Paver (500 x 500 x 40 mm)	sqm	1134.22
2709	Ceremic Tiles Pieces for Crazy Flooring	quintal	140.48
3327	15 mm Battery Based Sensor Pillar Cock	each	6058.17
4001	Stainless steel (Grade-304)hollow section round/square tubes	kg	364.20
4002	Stainless steel bolts/square bar and plates	kg	135.27
7007	Fly Ash Bricks as per IS 12894(2002) & IS 3425(I to IV)	per 1000	5975.55
7028	12.5 mm thick Fully Perforated gypsum board	sqm	964.60
7030	12.5 mm thick tapered edge gypsum fire resistant board	sqm	246.62
7031	12.5 mm thick tapered edge gypsum moisture resistant board	sqm	281.99
7050	PU Primer	sqm	42.66
7051	40 mm (average) PU spray having 40-45 kg/m3 density	sqm	438.08
7052	GI wire netting 3/4" x 24 G	sqm	28.09
7053	400 G polythene sheet	sqm	15.61
7072	Wall mounted water closet	each	4838.62
7073	Adjustable Vetrious China Cistern with fittings	each	2601.42
7074	White Vetrious China Waterless Urinal	each	15608.46
7075	Cistern with fittings for Waterless Urinal	each	3537.92
7076	White Vetrious Urinal	each	14567.90
7178	Chemical ASTM C-type I	kg	114.46
7280	Waste plastic additive	tonne	41622.58
7281	Chemical ASTM C-type II	kg	176.89
7743	M.S. pipe 150 mm dia casing pipe	metre	1103.00
7744	M.S. pipe 200 mm dia casing pipe	metre	1352.73
7745	PVC blind pipe 150 mm dia as per IS: 12818	metre	520.28
7746	PVC blind pipe 200 mm dia as per IS: 12818	metre	7804.24
7747	M.S. cap 150 mm dia	each	166.49
7748	M.S. cap 200 mm dia	each	208.12
7749	M.S bail plug 150 mm dia	each	208.12
7750	M.S bail plug 200 mm dia	each	228.93
7751	PVC slotted pipe 150 mm dia as per IS: 12818	metre	468.26

Code No	Description	Unit	Present Approved rate
1	2	3	4
7752	PVC slotted pipe 200 mm dia as per IS: 12818	metre	728.39
7753	Boulder 50 mm to 200 mm	cum	364.20
7754	Gravel 5 mm to 10 mm	cum	728.39
7755	Gravel 1.5 mm to 2 mm	cum	676.37
7756	Gravel 3 mm to 6 mm	cum	707.58
7757	M.S. pipe 100 mm dia casing pipe	metre	801.23
7758	UPVC blind pipe 100 mm dia as per IS: 12818	metre	374.61
7759	UPVC slotted pipe 100 mm dia as per IS: 12818	metre	395.41
7760	M.S. cap 100 mm dia	each	135.27
7761	M.S. bail plug 100 mm dia	each	166.49
7762	Precast R.C.C. perforated slab	each	832.45
7763	Water supply tanker of 5000 litre capacity	each	832.45
7764	M.S. socket 100 mm dia	each	187.30
7765	M.S. socket 150 mm dia	each	228.93
7766	M.S. socket 200 mm dia	each	291.36
7767	Stone cleaning chemical approved by ASI	litre	171.70
7768	Water repellent chemical approved by ASI	litre	1651.37
7769	Stone surface strengthening chemical approved by ASI	litre	1061.38
7770	Turpentine oil	litre	70.76
7771	Liquid Amonia 5%	litre	167.53
7772	Pea Gravel	cum	780.42
8014	Factory made door frame of size 50x47 mm with wall thickness 5 mm made of single piece extruded profile	metre	509.88
8589	Calcium Silicate tegular edged ceiling tiles 595x595 mm and 15 mm thick	sqm	892.80
8590	Galvanised Steel main Tee ceiling section Size 24 x 38 x 0.33 mm(3 metre long)	each	199.79
8591	Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00metre long)	each	130.07
8592	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm(1.2 metre long)	each	80.12
8593	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm (0.6 metre long)	each	40.59
8594	Galvanised Steel soffit cleat size 25x35x1.60 mm	each	3.12
8595	Wooden screws with plastic rawl plugs 35x8 mm	each	0.62
8597	GI Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	931.30
8598	GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	1040.57
8599	GI Metal Tile Lay-in Plain Tegular edge global white color tiles of Size595x595 mm and 0.5 mm thick	sqm	841.82

Code No	Description	Unit	Present Approved rate
1	2	3	4
8600	GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick	sqm	942.75
8601	PVC Laminated Gypsum Tiles (Square edge) of Size 595x595 mm and 12.5 mm thick	sqm	486.98
8602	Gypsum Tiles Fully Perforated Square edge of Size 595x595 mm and 12.5 mm thick	sqm	503.64
8604	Spring T-section 24x34x0.45 mm (3.00 meter long)	metre	187.30
8605	C Wall angle section 20x30x20x0.50 mm (3.00 meter long)	metre	161.29
8606	Main C Carrier Size 10x38x10x0.70 mm (3.00 meter long)	metre	170.65
8607	Spring T-connector	each	5.21
8608	C Carrier Connector	each	11.45
8609	C Suspension Clip	each	11.45
8610	Wire Coupling Clip	each	9.36
8682	Epoxy Grout	kg	530.69
8709	30 mm thick factory made solid PVC profile panelled door single piece extruded profile decorative finish (wood grain printed on both side)	sqm	2757.50
8712	30 mm thick factory made solid PVC profile panelled door single piece extruded profile non decorative finish	sqm	2193.51
8734	P.V.C. Single piece extruded door frame of profile size 50 mm x 47 mm with wall thickness of 5 mm	metre	364.20
8735	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile non decorative finished (Matt finished)	sqm	2185.18
8736	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile decorative finished (Wood grain finished)	sqm	2705.46
8737	Stainless steel wire guage (Grade-304) aperture 1.4 mm and 0.50 mm dia wire	sqm	863.67
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 vermiculite based concrete mix	metre	1040.57
8739	Fire rated door shutter made with 16 SWG G.I. sheet (60 minutes) without panel	sqm	5462.96
8740	Fire seal Putty	kg	728.39
8741	Clear fire resistant glass panes 6mm thick (60 minutes)	sqm	21851.85
8742	G.I. U beading of 16 SWG G.I. sheet (zinc coating >120gm/m ²) with ceramic tape of suitable thickness and fire resistant primer coating	metre	270.55
8743	Matrix Mineral Board	metre	67.64
8744	Panic Bar / latch (Double point)	each	5202.82
8745	65 mm x 55 mm x 2 mm thick Factory made door frame of PVC extruded section in white, grey or wooden finish	metre	343.39
8746	37 mm thick Factory made shutter with style, rails and panels of PVC extruded section in white or grey finish i/c carriage	sqm	2445.32
8747	75 mm x 53 mm x 2.0 mm thick Factory made door frame of PVC extruded section in white, grey or wooden finish	metre	364.20

Code No	Description	Unit	Present Approved rate
1	2	3	4
8748	37 mm thick Factory made fusion welded shutter with style, rails and panels of PVC extruded section in wooden finish	sqm	2549.38
8750	Zinc alloy (white powder coated) casement handle for uPVC windows	each	166.49
8751	Zinc alloy (white powder coated) Touch Lock for UPVC windows	each	114.46
8752	Zinc alloy rollers for UPVC windows	each	52.02
8753	Zinc alloy rollers for UPVC door	each	88.45
8754	Zinc alloy (white powder coated) casement lock for UPVC windows	each	104.06
8755	Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for UPVC windows	each	239.33
8756	Stainless steel friction hinge of size 250 mm x 19 x 1.9 mm for UPVC windows	each	301.76
8757	Stainless steel friction hinge of size 300 mm x 19 x 1.9 mm for UPVC windows	each	385.01
8758	Stainless steel friction hinge of size 350 mm x 19 x 1.9 mm for UPVC windows	each	437.03
8759	Stainless steel friction hinge of size 400 mm x 19 x 1.9 mm for UPVC windows	each	551.50
8760	UPVC extruded profile casement window Frame (50 mm x 50 mm)	metre	171.70
8761	UPVC extruded profile casement window sash (Style and Rail) (62 mm x 34 mm)	metre	156.08
8762	UPVC extruded profile casement window mullion (intermediate section) (66 mm x 50 mm)	metre	192.50
8763	UPVC extruded profile casement window 'T' profile (one vertical length in between two shutters) (24 mm x 34.5 mm)	metre	52.02
8764	UPVC extruded profile casement window glazing bead (12 mm x 18 mm)	metre	52.02
8765	UPVC extruded profile casement window Frame (67 mm x 62 mm)	metre	244.53
8766	UPVC extruded profile casement Window Sash/Mullion (67 mm x 75 mm) (Style, rail and intermediate section)	metre	275.75
8767	UPVC extruded profile casement window glazing bead (35 mm x 18 mm)	metre	88.45
8768	UPVC extruded profile Two Track Sliding frame (67 mm x 52 mm)	metre	254.93
8769	UPVC extruded profile Sliding window Sash (60 mm x 44 mm)	metre	239.33
8770	UPVC extruded profile Sliding Interlock for Window (one vertical length in each shutter) (45.5 mm x 28 mm)	metre	52.02
8771	UPVC extruded profile Sliding Door Sash (80 mm x 44 mm)	metre	301.76
8772	Aluminium Track on bottom rail for uPVC window	metre	26.02
8773	Wool Pine for uPVC window	metre	18.73
8774	Aluminium Grill	metre	260.14

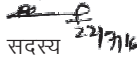
Code No	Description	Unit	Present Approved rate
1	2	3	4
8775	Steel Galvanised tubular reinforcement for uPVC door/ window	metre	52.02
8776	Stainless steel dash fastener of 8 mm dia and 75 mm long bolt	each	20.81
8778	Toughened glass 12 mm thickness	sqm	1977.07
8779	Paver Block		
A	M35 grade 60mm thick		
	White	sqm	480.12
	Red	sqm	488.73
	Yellow	sqm	504.09
B	M40 grade 80mm thick		
	White	sqm	551.04
	Red	sqm	565.43
	Yellow	sqm	583.63
8780	Kerb Stone Block M30 Grade of Size 375mm x 300mm	each	80.63

Note:-

* Rate based on DSR 2013

** Approved rate by State level Schedule rate committee with Vat 5.0%

*** Approved rate of cement by State level schedule rate committee with vat 13.5%


सदस्य, 22/7/16

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


सदस्य,

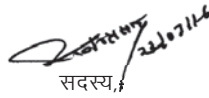
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख (मध्य), जल संसाधन विभाग, बिहार, पटना।

सदस्य,

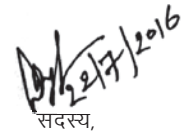
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख, लघु जल संसाधन विभाग, बिहार, पटना।

सदस्य,

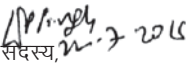
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियंता (असै0), बिहार स्टेट पावर होल्डिंग कंपनी लिमिटेड, बिहार, पटना।


सदस्य, 22/7/16

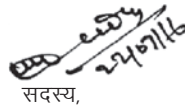
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियंता (विद्युत), भवन निर्माण विभाग, बिहार, पटना।


सदस्य, 22/7/16

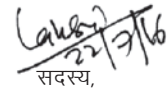
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख, तकनीकी परीक्षण कोषांग, निगरानी विभाग, बिहार, पटना।


सदस्य, 22/7/16

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


सदस्य, 22/7/16

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


सदस्य, 22/7/16

राज्यस्तरीय 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 1115 DATED 12.07.85

S. No	Materials	Truck Capacity		Net payable Volume or weight col 3*col 4
1	2	3	4	5
1	line, 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
(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

S. No	Materials	Truck Capacity		Net payable Volume or weight col 3*col 4
1	2	3	4	5
(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
	G.I crates 1*1.5*0.75 M	80 No	1.00	80 No
18	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
19	Empty bags of cement length	3000 Nos	1.00	280 Nos
20	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
20	Stone chips and sand	5.4 cum	0.92	5.00 cum
21	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	783.00	258.39	P &M 048
		Front end-loader 1 cum bucket capacity @ 25 cum/hour	hour	0.330	1056.0	348.48	P &M 017
		b) Overhead charges @ 0.1 on (a)				60.69	
		c) Contractor's profit @ 0.1 on (a+b)				66.76	
		Cost for 5.5 cum = a+b+c				734.31	
		Rate per cum = (a+b+c)/ 5.5				133.51	
	Note Unloading will be by tipping.			say	Rs.133.60		
1.2		Loading and Unloading of Boulders by Manual Means					
		Unit = cum					
		Taking output = 5.5 cum					
		a) Labour					
		Mate	day	0.110	222.00	24.42	L-12
		Mazdoor for loading and unloading	day	0.750	206.00	154.50	L-13
		b) Machinery					
		Tipper 5.5 tonne capacity	hour	0.750	783.00	587.25	
		c) Overhead charges @ 0.1 on (a+b)				76.62	
		d) Contractor's profit @ 0.1 on (a+b+c)				84.28	
		Cost for 5.5 cum = a+b+c+d				927.07	
		Rate per cum = (a+b+c+d)/5.5				168.56	
					say	Rs.169.00	
	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	222.00	17.76	L-12
	Mazdoor for loading and unloading	day	2.000	206.00	412.00	L-13	

Sr no.	Ref. to M.O.R.T Spec.	Description	Unit	Quantity	Rate Rs.	Cost Rs	Remarks/ Input ref.
		b) Machinery					
		Truck 10 tonne capacity	hour	2.000	805.00	1610.00	
		c) Overhead charges @ 0.1 on (a+b)				203.98	
		d) Contractor's profit @ 0.1 on (a+b+c)				224.37	
		Cost for 10 tonnes = a+b+c+d				2468.11	
		Rate per tonnes = (a+b+c+d)/10				246.81	
					say	Rs.247.00	
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	783.00	313.20	
		Time taken for empty return trip.	hour	0.290	783.00	227.07	
		b) Overhead charges @ 0.1 on (a)				54.03	
		c) Contractor's profit @ 0.1 on (a+b)				59.43	
		cost for 100 t km = a+b+c				653.73	
		Rate per t.km = (a+b+c)/100				6.54	
					say	Rs.6.50	
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	783.00	391.50	
		Time taken for empty return trip	hour	0.330	783.00	258.39	
		b) Overhead charges @ 0.1 on (a)				64.99	
		c) Contractor's profit @ 0.1 on (a+b)				71.49	
		Cost for 100 t .km = a+b+c				786.37	
		Rate per t.Km = (a+b+c)/100				7.86	
					say	Rs.7.90	
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	783.00	783.00	
		Time taken for empty return trip	hour	0.670	783.00	524.61	
		b) Overhead charges @ 0.1 on (a)				130.76	
		c) Contractor's profit @ 0.1 on (a+b)				143.84	
		Cost for 100 t .km = a+b+c				1582.21	
		Rate per t.Km = (a+b+c)/100				15.82	
					say	Rs.15.80	

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	222.00	6.66	L-12
		Mazdoor for loading and unloading	day	0.720	206.00	148.32	L-13
		Total		6 Min			
		a) Machinery					
		Tractor 3.6 tonnes tonnes capacity	hour	0.100	402.00	40.20	P & M 048
		Front end-loader 1 cum bucket capacity @ 25 cum/hour	hour	0.083	1056.0	87.65	P & M 017
		c) Overhead charges @ 0.1 on (a+b)				28.28	
		d) Contractor's profit @ 0.1 on (a+b+c)				31.11	
		Cost for 2.25 cum = a+b+c+d				342.22	
		Rate per cum = (a+b+c+d)/2.25				152.10	
						say	Rs.152.00
	Note	Unloading will be by tipping.					
1.2		Loading and Unloading of Boulders by Manual Means					
		Unit = cum					
		Taking output = 2.25 cum					
		a) Labour					
		Mate	day	0.050	222.00	11.10	L-12
		Mazdoor for loading and unloading	day	0.310	206.00	63.86	L-13
		b) Machinery					
		Tipper 3.6 tonne capacity	hour	0.310	402.00	124.62	
		c) Overhead charges @ 0.1 on (a+b)				19.96	
		d) Contractor's profit @ 0.1 on (a+b+c)				21.95	
		Cost for 2.25 cum = a+b+c+d				241.49	
		Rate per cum = (a+b+c+d)/2.25				107.33	
		Note	Unloading will be by tipping.			say	Rs.107.00
	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	222.00	6.66	L-12
		Mazdoor for loading and unloading	day	0.720	206.00	148.32	L-13
	b) Machinery						
	Tractor of 3.6 tonnes capacity	hour	0.720	402.00	289.44		

Sr no.	Ref. to M.O.R.T Spec.	Description	Unit	Quantity	Rate Rs.	Cost Rs	Remarks/ Input ref.
1.3		c) Overhead charges @ 0.1 on (a+b)				44.44	
		d) Contractor's profit @ 0.1 on (a+b+c)				48.89	
		Cost for 10 tonnes = a+b+c+d				537.75	
		Rate per tonnes = (a+b+c+d)/2.25				149.37	
					say	<u>Rs.149.00</u>	
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	402.00	268.13	
		Time taken for empty return trip.	hour	0.400	402.00	160.80	
		b) Overhead charges @ 0.1 on (a)				42.89	
		c) Contractor's profit @ 0.1 on (a+b)				47.18	
		cost for 36 t km = a+b+c				519.01	
		Rate per t.km = (a+b+c)/36				14.42	
					say	<u>Rs.14.40</u>	
	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	402.00	334.87	
		Time taken for empty return trip	hour	0.500	402.00	201.00	
		b) Overhead charges @ 0.1 on (a)				53.59	
		c) Contractor's profit @ 0.1 on (a+b)				58.95	
		cost for 36 t km = a+b+c				648.40	
		Rate per t.km = (a+b+c)/36				18.01	
				say	<u>Rs.18.00</u>		
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	402.00	402.00	
		Time taken for empty return trip	hour	0.667	402.00	268.13	
		b) Overhead charges @ 0.1 on (a)				67.01	
		c) Contractor's profit @ 0.1 on (a+b)				73.71	
		cost for 36 t km = a+b+c				810.86	
		Rate per t.km = (a+b+c)/36				22.52	
				say	<u>Rs.22.50</u>		

Note : वैसे स्थल जहाँ पर Truck एवं Tipper के द्वारा ढुलाई किया जाना संभव नहीं है तथा Tractor से ढुलाई Economical हो केवल वैसे ही स्थलों के लिए Tractor से ढुलाई का प्रावधान किया जाय।

SUB HEAD : 2.0
EARTH WORK

BUILDING WORK - Contd.

2.0 Earth Work

Code No.	Description	Unit	Rate Rs.
2.1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m disposed soil to be leveled and neatly dressed :		
2.1.1	All Kinds of soil	100sqm	3274.40
2.2	Earth work in rough excavation , banking excavated earth in layer not exceeding 20 cm in depth , breaking clods watering , rolling each layer with 1/2 tonne roller or wooden or steel rammers and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks , marginal banks and guide banks or filling up ground depressions. lead upto 50 m and lift upto 1.5 m.		
2.2.1	All Kinds of soil	cum	248.40
2.3	Banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering .rolling each layer with 1/2 tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up ; in embankments for roads, flood banks, marginal banks, and guide banks etc . lead upto 50 m and lift upto 1.5 m.		
2.3.1	All Kinds of soil	cum	159.00
2.4	Deduct for not rolling with power roller of minimum 8 tonnes for banking excavated earth in layers not exceeding 20 cm in depth.	cum	2.90
2.5	Deduct for not watering the excavated earth for banking.	cum	10.70
2.6	Earth work in excavation over areas (exceeding 30 cm in depth. 1.5 m in width as well es 10 sqm on plan) including disposal of excavated earth , lead upto 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed.		
2.6.1	AH Kinds of soil	cum	225.40
2.7	Earth work in excavation over areas (exceeding 30 cm in depth, 1.5 in width as well as 10 sqm on plan) including disosal of excavated earth, lead upto 50 m and lift upto 1.5 m , disposed earth to be levelled and neatly dressed :		
2.7.1	Ordinary rock	cum	336.80
2.7.2	Hard rock (requiring blasting)	cum	453.80
2.7.3	Hard rock (blasting prohibited)	cum	721.60
2.8	Earth work in excavation in foundation trenches or drains(not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m . including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.		
2.8.1	All Kinds of soil	cum	230.50

Code No.	Description	Unit	Rate Rs.
2.9	Excavation work in foundation trenches or drains not exceeding 1.5 m in width or 10 sq.m on plan including dressing of sides and ramming of bottoms lift upto 1,5m, including getting cut the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m .		
2.9.1	Ordinary rock	cum	372.00
2.9.2	Hard rock (requiring blasting)	cum	502.60
2.9.3	Hard rock (Blasting Prohibited)	cum	745.30
2.10	Excavating trenches of required width for pipes cables, etc, including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil , and then returning the soil as required , in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed , within a lead of 50 m.		
2.10.1	All kinds of soil.		
2.10.1.1	Pipes, cables etc, not exceeding 80 mm dia.	m	144.10
2.10.1.2	Pipes, cables etc. exceeding 80 mm dia . But not exceeding 300mm dia.	m	235.40
2.10.1.3	Pipes , cables etc. exceeding 300m dia.	m	367.50
2.11	"Extra for excavating trenches for pipes, cables etc.in all kinds of soil for depth exceeding 1.5 m , but not exceeding 3 m.(Rate is over corresponding basic item for depth upto 1.5 meter.)	metre	131.60
2.12	*Extra for excavating trenches for pipes, cables etc.in all kinds of soil exceeding 3 m in depth , but not exceeding 4.5 m.(Rate is over corresponding basic item for depth upto 1.5 meater.)	m	337.00
2.13.	Excavating trenches of required width for pipes cables, etc, including excavation for sockets, depth upto 1.5 m including getting out the excavated materials , returning the soil as required in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. stacking serviceable material for measurements and disposed ' of unserviceable material as directed, within a lead of 50 m:		
2.13.1	Ordinary rock :		
2.13.1.1	Pipes, cables etc. not exceeding 80 mm dia	m	211.30
2.13.1.2	Pipes, cables etc exceeding 80 mm dia but not exceeding 300 mm dia	m length of pipe	523.30
2.13.1.3	Pipes, cables etc exceeding 300 mm dia	m length	602.30
2.13.2	Hard rock (requiring blasting)		
2.13.2.1	Pipes, cables etc. not exceeding 80 mm dia.	m length	275.50
2.13.2.2	Pipes, cablets etc. exceeding 80 mm dia, but not exceeding 300 mm dia.	m length of pipe	682.20
2.13.2.3	Pipes, cables tec. Exceeding 300 mm dia.	m length	785.20
2.13.3	Hard rock (blasting prohibited)		
2.13.3.1	Pipe, cables etc. not exceeding 80 mm dia.	m length	387.80
2.13.3.2	Pipes, cables etc. exceeding 80 mm dia. But not exceeding 300 mm dia.	m length of pipe	960.10
2.13.3.3	Pipes, cables etc. exceeding 300 mm dia.	m length	1105.20

Code No.	Description	Unit	Rate Rs.
2.14	Extra for excavating trenches for pipes, cables, etc.in ordinary/hard rock exceeding 1.5 m in depth but not exceeding 3 m.(Rate is over corresponding basic item for depth upto 1.5 metre.)	m length of pipe	102.70
2.15	Extra for excavating trenches for pipes, cables, etc.in ordinary/hard rock exceeding 3m in depth but not exceeding 4.5 m. (Rate is over corresponding basic item. For depth upto 1.5 metre.)	m length of pipe	254.30
2.16	Close timbering in trenches including strutting. Shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered):		
2.16.1	Depth not exceeding 1.5 m.	sqm	108.60
2.16.2	Depth exceeding 1.5 m but not exceeding 3 m.	sqm	111.80
2.16.3	Depth exceeding 3m but not exceeding 4.5 m	sqm	120.00
2.17	Close timbering in case of shafts, wells, cesspits, manholes and the like including strutting, shoring and packing cavities (wherever required) complete (Measurements to be taken of the face area timbered):		
2.17.1	Depth not exceeding 1.5 m.	sqm	111.20
2.17.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	119.50
2.17.3	Depth exceeding 3 m but not exceeding 4.5 m	sqm	128.10
2.18	Close timbering over areas including strutting, shoring and packing, cavities (wherever required) etc. complete (Measurements to be taken of the face area timbered):		
2.18.1	Depth not exceeding 1.5 m.	sqm	96.20
2.18.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	100.60
2.18.3	Depth exceeding 3 m but not exceeding 4.5 m.	sqm	105.50
2.19	Extra for planking, strutting and packing materials for cavities i(in close timbering) if required to be left permanently in position (Face area of timber permanently left to be measured)	sqm	1451.00
2.20	Open timbering in trenches including strutting and shoring complete (Measurements to be taken of the face area timbered).		
2.20.1	Depth not exceeding 1.5 m.	sqm	56.00
2.20.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	58.50
2.20.3	Depth exceeding 3 m but not exceeding 4. m.	sqm	62.40
2.21	Open timbering in case of shafts, wells, cesspits, manholes and the like including strutting and shoring complete (measurements to be taken of the face area timbered):		
2.21.1	Depth not exceeding 1.5 m	sqm	47.50
2.21.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	51.30
2.21.3	Depth exceeding 3 m but not exceeding 4.5 m	sqm	56.30
2.22	Open timbering over areas including strutting, shoring and use and waste of raking shores, complete (Measurements to be taken of the face area timbered)		
2.22.1	Depth not exceeding 1.5	sqm	32.40
2.22.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	35.20
2.22.3	Depth exceeding 3 m but not exceeding 4.5 m	sqm	39.60

Code No.	Description	Unit	Rate Rs.
2.23	Extra for planking and strutting in open timbering if required to be left permanently in position (face area of the timber permanently left to be measured).	sqm	747.50
2.25	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	Kl	68.50
2.26	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth: consolidating each deposited layer by ramming and watering lead	cum	74.50
2.27	Extra for every additional lift of 1.5 m or part thereof in :		
2.27.1	Ali kinds of soil.	cum	29.20
2.27.2	Ordinary or hard rock	cum	52.40
2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	cum	204.40
2.29	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m		
2.29.1	All kinds of soil.	100sqm	806.00
2,30	Ploughing the existing ground to a depth of 15 cm to 25 cm and watering the same:		
2.30.1	All kinds of soil .	100sqm	798.90
2.31	Excavating holes upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layer not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil; as directed within a lead of 50 m and lift upto 1.5m:		
2.31.1	All kinds of soil.	hole	70.20
2.31.3	Ordinary rock	hole	113.10
2.31.4	Hard rock(requiring blasting)	hole	151.20
2.31.5	Hard rock (blasting prohibited)	hole	223.90
2.32	Clearing jungle including uprooting of rank vegetation ,grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	100sqm	414.40
2.33	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	100sqm	212.70
2.34	Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable material and disposal of unserviceable material:		
2.34.1	Beyond 30cm girth upto and including 60 cm girth	tree	128.90
2.34.2	Beyond 60 cm girth upto and including 120 cm girth	tree	565.60
2.34.3	Beyond 120 cm girth upto and including 240 cm girth	tree	2603.40
2.34.4	Above 240 cm girth	tree	5229.00
2.35	Supplying chemical emulsion in sealed containers including delivery as specified.		
2.35.1	Chlorpyriphos/Lindone emulsifiable concentrate of 20%	litre	195.40

Code No.	Description	Unit	Rate Rs.
2.37.	Diluting and injecting chemical emulsion for POSTCONSTRUCTIONAL anti-termites' treatment(including the cost of chemical emulsion)		
2.37.1	Along external wall where the apron is not provided using chemical imulsion @ 7.5 liters / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete:		
2.37.1.1	With chlorpyriphos/Lindone E.C. 20% with 1% concentration	m	32.70
2.37.2	Along the external wall below concrete or masonry apron using chemical emulsion @ 2.55 litres per linear metre including drilling and plugging holes etc.		
2.37.2.1	With chlorpyriphos E.C. 20% with 1% concentration	m	39.10
2.37.3	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling and plugging 12 mm diameter holes with cement mortar 1:2 (1 cement: 2 coarse sand) to match the existing floor.		
2.37.3.1	With Chlorpyriphos EC 20% with 1% concentration	sqm	186.70
2.37.4	Treatment of existing masonry using chemical emulsion@ one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2(1 cement:2 coarse sand) to the full depth of the hole.		
2.37.4.1	With chlorpyriphos EC 20% with 1% concentration	m	45.60
2.37.5	Treatment at points of contact ot wood work by chemical emulsion chlordane. (in oil or kerosene based solution)@ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	m	222.80
2.38	Deduct for disposed soil not levelled and neatly dressed.	cum	22.50
2.39	Supply and stacking of Fly ash conforming to IRC- 58 at site, excluding carriage,loading , unloading & stacking up to any lead (measured stacks will be reduced by20% for payment).	cum	9.50
2.40	Filling with available fly ash and earth (excluding rock) in trenches or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer – in-charge, including compacting each layer by rolling/ ramming and watering , all complete as per drawing and direction of Engineer -in - charge.	cum	74.50

SUB HEAD : 3.0
MORTARS

BUILDING WORK - Contd.

3.0 Mortars

Code No.	Description	Unit	Rate Rs.
2103	Lime mortar 1:1:1 (1 lime putty:1Surkhi:1 coarse sand)	cum	2337.00
2144	Lime mortar 1:1:2(1 lime putty:1 surkhi:2coarse sand)	cum	1932.60
2104	Lime mortar 1:2(1 lime putty:2 surkhi)	cum	3130.80
2145	Lime mortar 1:3(1 lime putty:3 surkhi)	cum	3122.60
2146	Lime mortar 1:3(1 lime putty :3 coarse sand)	cum	1337.60
2110	Cement Mortar 1:1 (1 cement : 1 fine sand).	cum	6766.80
2111	Cement mortar 1:2 (1 cement :2 coarse sand)	cum	4730.10
2112	Cement mortar 1:3(1 cement:3 coarse sand)	cum	3712.20
2113	Cement mortar 1:4(1 cement:4 coarse sand)	cum	2907.10
2114	Cement mortar1:5(1 cement:5 coarse sand)	cum	2473.60
2115	Cement mortar 1:6(1 cement:6 coarse sand)	cum	2102.10
2128	White cement mortar 1:2 (1 White cement :2 marble dust)	cum	11350.10
2128A	Cement mortar 1:2 (1 cement : 2 marble dust).	cum	5555.80
2125	Cement lime mortar 1:1:3(1 cement :1 lime putty:3 coarse sand)	cum	3691.50
2126	Cement lime mortar 1:1:6 (1 cement:1 lime putty:6 coarse sand)	cum	2551.60

SUB HEAD : 4.0
CONCRETE WORK

BUILDING WORK - Contd.

4.0 Concrete work

Code No.	Description	Unit	Rate Rs.
4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.		
4.1.1	1:1:2 (1 cement: 1 coarse sand:2 graded stone aggregate 20 mm nominal size)	cum	4964.40
4.1.2	1:1.5:3(1 Cement :1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	cum	3741.30
4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	3323.10
4.1.4	1:2:4 (1 Cement: 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	cum	3219.70
4.1.5	1:3:6 (1 Cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	2775.70
4.1.6	1:3:6 (1 Cement; 3 coarse sand :6 graded stone aggregate 40 mm nominal size)	cum	2640.90
4.1.8	1.4.8 (1 Cement :4 coarse sand :8 graded stone agregate 40 mm nominal size)	cum	2346.90
4.1.10	1:5:10(1 Cement :5 coarse sand:10 graded stone aggregate 40 mm nominal size)	cum	2111.70
4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, post. struts,buttresses, string or lacing courses, parapets, coping,bed blocks, anchor blocks, plin window sills, fillets etc. upt floor five level excluding the cost of centring,shuttering and finishing:		
4.2.1	1:1:2 (1 Cement:1 coarse sand : 2 graded stone aggregate 20 mm nominal size)	cum	5662.50
4.2.2	1:1.5:3(1 Cement: 1:5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	4434.10
4.2.3	1:2:4 (1 Cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size)	cum	3991.90
4.2.4	1:2:4(1 Cement :2 coarse sand :4 graded stone aggregate 40 mm nominal size)	cum	3888.50
4.2.5	1:3:6 (1 Cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size)	cum	3444.50
4.2.6	1:3:6 (1 Cement :3 coarse sand:6 graded stone aggregate 40 mm nominal size)	cum	3309.60
4.3	Centring and shuttering including strutting,propping etc. and removal or form work for		
4.3.1	Foundations, footings, bases Columns	sqm	166.30
4.3.2	Retaining walls,return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets etc.	sqm	424.00
4.3.3	Columns, piers.abutments, pillars,posts and struts	sqm	344.40

Code No.	Description	Unit	Rate Rs.
4.3.3	Columns, piers,abutments, pillars,posts and struts	sqm	357.60
4.4	Providing and faying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centring, shuttering and finishing.		
4.4.1	1:2:4 (1 Cement :2 coarse sand :4 grade stone aggregate 20 mm nominal size)	cum	3850.50
4.4.2	1:3:6 (1 Cement:3 coarse sand:6 graded stone aggregate 20 mm nominal size)	cum	3174.30
4.5	Providing and fixing up to floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc. including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete.		
4.5.1	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	cum	5718.40
4.5.2	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	cum	5111.30
4.5.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	cum	4325.80
4.6	Providing and fixing at or near ground level precast cement concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), including the cost of required centering, shuttering complete.		
4.6.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	cum	3408.00
4.7	Providing and fixing up to floor five level precast cement concrete solid block,including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete.		
4.7.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	cum	5736.50
4.8	Providing and fixing up to floor five level precast cement concrete hollow block,including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete.		
4.8.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mmnominal size).	cum	5047.10
4.11	Providing and laying damp-proof Course 50 mm thick with cement concrete 1:2:4(1cement:2:2 coarse sand :4 graded stone aggregate 20mm nominal size)	sqm	251.20

Code No.	Description	Unit	Rate Rs.
4.12	Extra for providing and mixing water proofing material in cement concrete work in the proportion recommended by the manufacturers.	per 50 kg cement	46.58
4.13	Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7 kg. per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	sqm	105.40
4.14	Extra for concrete work in superstructure above floor V level for each four floors of part thereof.	cum	383.60
4.15	Extra for laying concrete in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete (The quantity will be calculated by multiplying the depth measured from the sub-soil water level upto centre of gravity of concrete under sub-soil water level with quantity of concrete in cum executed under sub-soil water. The depth of centre of gravity shall be reckoned correct to 0.1 m. 0.05 m or more shall be taken as 0.1 m and less than 0.05 m ignored.)	cum per m depth	293.00
4.16	Extra for laying concrete in or under foul positions.	cum	111.20
4.17	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement :3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	sqm	359.80
4.19	Extra for using 12.5/10 mm nominal size graded/single size stone aggregate instead of 20 mm nominal size graded stone aggregate in cement concrete/reinforced cement concrete 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	53.60

SUB HEAD : 5.0
REINFORCED CEMENT
CONCRETE

5.0 Reinforced Cement Concrete

Code No.	Description	Unit	Rate Rs.
5.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement-All work upto plinth level		
5.1.1	1:1:2 (1 cement:1 coarse sand:2 graded stone aggregate 20mm nominal size)	cum	6035.20
5.1.2	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	cum	4530.30
5.1.3	1:2:4 (1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	3984.50
5.2	Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upto floor five level excluding cost of centring, shuttering, finishing and reinforcement.		
5.2.1	1:1:2 (1 cement: 1 coarse sand: 2 graded stone aggregate 20 mm nominal size)	cum	6644.60
5.2.2	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	cum	5139.70
5.2.3	1:2:4(1 cement :2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	4593.90
5.3	Reinforced cement concrete work in beams,suspended floors, roofs having slope upto 15°, landings,balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size).	cum	4671.80
5.4	Providing and laying upto floor five level reinforced cement concrete in kerbs, steps and the like excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20mm nominal size).	cum	4444.30
5.5	Reinforced cement concrete work in arches, arch ribs, domes, vaults, shells, folded plate and roofs having slope more than 15° upto floor five level excluding the cost of centring. Shuttering. Finishing and reinforcement with 1:2:4(1 cement:2 coarse sand :4 graded stone aggregate 20mm nominal size)	cum	4850.80
5.6	Reinforced cement concrete work in chimneys shafts, upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	4660.30
5.7	Reinforced cement concrete work in well-steining excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	3870.90

Code No.	Description	Unit	Rate Rs.
5.8	Reinforced cement concrete work in Vertical and Horizontal fins individually or forming box louvers, facias and eaves boards upto floor five level eciuding the cost of centring, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement:1.5coarse sand: 3graded stone aggregate 20mm nominal size)	cum	4879.00
5.9	Centring and shuttering including strutting,propping etc. and removal of form for.		
5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	169.00
5.9.2	Walls (any thickness) including attached pilasters. Butteresses, plinth and string courses etc.	sqm	262.30
5.9.3	Suspended floors, roots, landings, balcnies and access platform.	sqm	291.00
5.9.4	Shelves (Cost in situ)	sqm	291.00
5.9.5	Lintels, beams, plinth bams, griders, bressumers and contilevers.	sqm	261.70
5.9.6	Columns,Pillars, Piers, Abutments, Posts and Struts	sqm	357.60
5.9.7	Stairs,(excluding landings) except spiral-staircases.	sqm	328.90
5.9.8	Spiral staircases (including landing)	sqm	283.40
5.9.9	Arches,domes,vaults upto 6m span	sqm	820.10
5.9.10	Extra for arches,domes, vaults exceeding 6 m span	sqm	262.60
5.9.11	Chimneys and shafts	sqm	432.50
5.9.12	Well steining	sqm	243.30
5.9.13	Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards	sqm	446.10
5.9.14	Extra for shuttering in circular work (20% of respective centring and shuttering items)	sqm	20.20
5.9.15	Small lintels not exceeding 1.5 m clear span, mouldings as in cornoces, window sills, string, courses, bands, copings, bed plates, anchor blocks and the like.	sqm	183.20
5.9.16	Edges of slabs and breaks in floors and walis-		
5.9.16.1	Under 20 cms wide	m	83.50
5.9.16.2	Above 20cm wide	sqm	393.20
5.9.17	Cornices and mouldings	sqm	443.40
5.9.18	Small surfaces such as cantilever ends,brackets and ends of steps, caps and bases to pilasters and columns and the like	sqm	381.30
5.9.19	Weather shade,Chajjas, corbels etc. including edges	sqm	395.60
5.9.20	Suspended floors, roofs, landings, balconies and access platform with water proofply 12 mm thick.	sqm	392.70
5.9.21	Lintels, beams, plinth beams, girders, bressumers and cantilevers with water proof ply 12 mm thick.	sqm	371.80
5.10	Providing and fixing tie bolt, spring coil and plastic cone in wall shuttering complete as per the direction of engineer-in charge		
5.10.1	12 mm dia & 100 mm length	sets	147.40
5.10.2	12 mm dia & 150 mm length	sets	159.60
5.10.3	20 mm dia & 150mm length	sets	153.20
5.10.4	20 mm dia & 225 mm length	sets	170.80

Code No.	Description	Unit	Rate Rs.
5.11	Extra for additional height in centring, shuttering where ever required with adequate bracing, propping etc. including cost of de-shuttering and de centring at all levels over a height of 3.5 m ,for every additional height of 1 metre or part thereof (Plan area to be measured)		
5.11.1	Suspended floors, roots, laning, beams and balconies (Plan area to be measured)	sqm	113.50
5.12	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but excluding cost of reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	cum	5224.30
5.13	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete in small lintels not exceeding 1.5 m clear span up to floor five level,including the cost of required centering, shuttering but excluding the cost of reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	cum	6622.30
5.14	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete in mouldings as in cornices, windows sills etc. including setting in cement mortar 1:3 (1 cement : 3 coarse sand) cost of required centering, shuttering but excluding the cost of reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	cum	7335.00
5.15	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete in lintels, beams and bressumers including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering and shuttering but excluding the cost of reinforcement with, 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	cum	6174.10
5.16	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete in shelves including setting in cement mortar 1:3 (1 cement : 3 coarsesand), cost of required centering, shuttering and finishing with neat cement punning on exposed surfaces but excluding the cost of reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size).	cum	9581.50
5.17	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete in vertical & horizontal fins individually or forming box louvers setting in cement mortar 1:2 (1 cement : 2 coarse sand), including the cost of required centering, shuttering but excluding the cost of reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	cum	5237.80
5.18	Providing,precast cement concrete Jali 1:2:4(1 cement:2 coarse sand:4 stone aggregate 6mm nominal size) reinforced with 1.6 mm dia mild steel wire including roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement:3 fine sand) etc.complete excluding plastering of the jambs, sills and soffits.		

Code No.	Description	Unit	Rate Rs.
5.18.1	50 mm thick	sqm	571.40
5.18.2	40 mm thick	sqm	500.00
5.18.3	25 mm thick	cum	463.40
5.19	Encasing rolled steel sections, in beams and columns, with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size), including centering and shuttering complete but excluding cost of reinforcement.	cum	6585.30
5.21	Extra for providing and fixing expanded metal mesh of size 20x60mm and strands 3.25 mm wide 1:6 mm thick weighing 3.64 kg. er sqm for encasing of roiled steel sections in beams, columns and grillages excluding cost of hangers	sqm	391.50
5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.		
5.22.1	Mild steel 6.00 mm dia	kg	54.30
5.22.1A	Mild steel 5.5 mm dia	kg	54.40
5.22.1B	Mild steel 6.0 mm dia	kg	54.30
5.22.1C	Mild steel 6.5 mm dia	kg	54.10
5.22.1D	Mild steel 7.0 mm dia	kg	53.90
5.22.1E	Mild steel 8.0 mm dia	kg	53.70
5.22.1F	Mild steel 10.0 mm dia	kg	54.40
5.22.1G	Mild steel 12.0/12.7 mm dia	kg	54.40
5.22.7	Thermo-Mechanically Treated bars (FE-500) 20mm dia.	kg	53.60
5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	kg	56.00
5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	54.70
5.22.7C	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	kg	53.40
5.22.7D	Thermo-Mechanically Treated bars TMT Fe-500-16mm dia.	kg	54.40
5.22.7E	Thermo-Mechanically Treated bars TMT Fe-500-20mm dia.	kg	53.60
5.22.7F	Thermo-Mechanically Treated bars TMT Fe-500-25mm dia.	kg	53.60
5.22.7G	Thermo-Mechanically Treated bars TMT Fe-500-28mm dia.	kg	53.60
5.22.7H	Thermo-Mechanically Treated bars TMT Fe-500-32mm dia.	kg	53.60
5.23	Extra for RCC work in superstructure above floor V level for each four floors or part thereof.	cum	383.60
5.24	Extra for rendering smooth the top of suspended floors, landings and staircases (treads and risers) with cement mortar 1:2(1 cement:2 coarse sand) including a floating coat of neat cement and protecting the surface with a layer of 7.5cm of earth laid over 15 mm of fine sand in case of suspended floor and bricks laid in mud mortar in case of landings and steps including subsequent removal and cleaning of the same.	sqm	65.20
5.25	Providing and fixing in position copper plate as per design for expansion joints.	kg	337.70
5.26	Providng and filling in position, blown bitumen in expansion joints.	100m (Length)x 1cm(Wide) x1cm (Depth)	544.40

Code No.	Description	Unit	Rate Rs.
5.27	Providing and filling in position bitumen mix filler of Proportion 80 kg of hot bitumen, 1 kg, of cement and 0.25 cubicmetre of coarse sand for expansion joints,	100m (Length)x 1cm(Wide)x 1cm(Depth)	173.29
5.28	Providing and fixing in position 12 mm thick bitumen impregnated fibre board conforming to IS: 1838 including cost of primer, sealing compound in expansion joints.	100m (Length)x 1cm(Depth)	445.00
5.29	Providing and fixing sheet covering over expansion joints with iron screws as per design to match the colour/shade of wall treatment,		
5.29.1	Asbestos sheet 6 mm thick		
5.29.1.1	150 mm wide	m	101.80
5.29.1.2	200mm wide	m	136.60
5.29.2	Aluminium fluted strips 3.15 mm thick		
5.29.2.1	150 mm wide.	m	322.50
5.29.2.2	200 mm wide	m	451.90
5.30	Add for plaster drip course/groove in plastered surface or moulding to R.C.C. projections.	m	20.70
5.31	Extra for laying reinforced cement concrete in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete.(Rate same as per item No, 4.29) Note:- The quantity will be calculated by multiplying the depth measured from the subsoil water level upto the centre of gravity of the R.C.C. under subsoil water with the quantity of R.C.C. in cubic metre executed under subsoil water. The depth of centre of gravity shall be reconed correct to 0.1 m. 0.05 m or more shall be taken as 0.1 and less than 0.05 m ignored. No extra payment shall be made for placing reinforcement or centering & shuttering under subsoil water conditions.	cum	293.00
5.32	Extra for laying reinforced cement concrete in or under foul positions.	cum	111.20
5.33A	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grade reinforced cement concrete		
5.33A.1	All work upto plinth level	cum	4533.30
5.33A.2	All works above plinth level upto floor V level		
5.33A.2.1	Walls columns, pillars, posts and struts	cum	4860.50
5.33A.2.2	Beams, planth beams, girders, bressumers, cantilevers, Suspended floors lintels roofs and staircases including spiral staircases, shelves etc.	cum	5083.80
5.33A.3	Extra for R.C.C work above floor V level for each four floors or part thereof.	cum	383.60
5.33B	Add or deduct for providing richer or leaner mixes respectively at all floor levels.		
5.33B.1	Providing M-25 grade R.C.C. instead of M-20 grade R.C.C.	cum	194.20
5.33B.2	Providing M-30 grade R.C.C. instead of M-20 grade R.C.C.	cum	266.10
5.33B.3	Providing M-35 grade R.C.C. instead of M-20 grade R.C.C.	cum	323.67
5.33B.4	Providing M-15grade R.C.C instead of M-20 grade R.C.C.	cum	453.10

Code No.	Description	Unit	Rate Rs.
5.33 :	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and including retard setting of concrete, improve workability without impairing strength and admixtures in recommended proportions as per IS: 9103 to accelerate, reinforcement, durability as per direction of Engineer-in-charge. Note:- Cement content considered in this item is @ 330 kg/cum. Excess or less cement used as per design mix is payable or recoverable separately.		
5.33.1	All works up to plinth level	cum	4621.50
5.33 .2:	All work above Plinth level upto floor V Level.	cum	5102.30
5.34	Add or deduct for providing richer or leaner mixes respectively at all floor levels.		
5.34.1 :	Providing M-30 grade concrete by using 340kg /m ³ of Cement per cum of concrete instead of M-25 grade B.M.C./RMC	cum	76.6
5.34.2	Providing M-35 grade concrete by using 350kg /m ³ of Cement per cum of concrete instead of M-25 grade	cum	153.30
5.34.3	Providing M-40 grade concrete by using 360kg /m ³ of Cement per cum of concrete instead of M-25 grade B.M.C./RMC	cum	226.70
5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.	quintel	719.3
5.37.1	Providing and laying in position ready mixed concrete manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. M-25 grade Reinforced cement concrete by using 330 kg of cement per cum of concrete. All works up to Plinth level	cum	5010.2
5.37.2	All works above Plinth level up to floor five level.	cum	5867.70
5.38	Extra for R.C.C/ B.M.C/ R.M.C. work above floor V level for each four floors or part thereof.	cum	176.00
5.41	Supplying and applying pre tested and approved water based concrete curing compound to concrete/ masonry surface, all as per manufacturer's specification and direction of Engineer-in-charge.		
5.41.1	Non pigmented wet curing compound.	sqm	85.20
5.41.2	Pigmented wet curing compound.		99.80

Code No.	Description	Unit	Rate Rs.
5.42/5.51	Providing and fixing tapered / parallel threaded couplers conforming to IS code on Reinforcement Couplers for Mechanical Splices of Bars for Concrete Reinforcement – Specification, to reinforcement bars including threading, enlargement at connection by forging, protecting the prepared reinforcement bars and related operations as required to complete the works as per direction of Engineer-in-Charge . (The length of the bars in which coupler is to be provided should not be less than 4 metre, no deduction for labour and binding wire saved for not providing lap length shall be made).		
5.42.1/ 5.51.1	Coupler for 16 mm diameter reinforcement bar.	each	126.30
5.42.2/5.5 1.2	Coupler for 20 mm diameter reinforcement bar.	each	171.60
5.42.3/ 5.51.3	Coupler for 25 mm diameter reinforcement bar.	each	237.80
5.42.4/ 5.51.4	Coupler for 28 mm diameter reinforcement bar.	each	328.10
5.42.5/ 5.51.5	Coupler for 32 mm diameter reinforcement bar.	each	381.20
5.43	Providing and fixing in position Stainless steel Grade 304 plate-1.0 mm thick as per design for expansion joints.		
5.43.1/ 5.52.1	200 mm wide.	metre	582.50
5.43.2/ 5.52.2	300 mm wide.	metre	851.10
5.44	Providing and fixing of expansion joint system related with floor location as per drawings and direction of Engineer-In-Charge. The joints system will be of extruded aluminum base members, self aligning / self centering arrangement and support plates etc. as per ASTM B221-02. The system shall be such that it provides floor to floor /floor to wall expansion control system for various vertical location in load application areas that accommodates multi directional seismic movement without stress to it's components. System shall consist of metal profiles with a universal aluminum base member designed to accommodate various project conditions and finish floor treatments. The cover plate shall be designed of width and thickness required to satisfy projects movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self – centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. Provision of Moisture Barrier Membrane in the Joint System to have watertight joint is mandatory requirement all as per the manufactures design and as approved by Engineer -in-Charge .(Material shall confirm to ASTM 6063).		
5.44.1	Floor Joint of 100 mm gap.	metre	6614.60
5.44.2	Floor Joint of 150 mm gap.	metre	7270.70
5.44.3	Floor Joint of 200 mm gap.	metre	7804.70

Code No.	Description	Unit	Rate Rs.
5.45	Providing and fixing of expansion joint system related with wall joint (internal/external) location as per drawings and direction of Engineer-In-Charge. The joints shall be of extruded aluminum base members, self aligning / centering arrangement and support plates as per ASTM B221-02. The material shall be such that it provides an Expansion Joints System suitable for vertical wall to wall/ wall to corner application, both new and existing construction in office Buildings & complexes with no slipping down tendency amongst the components of the Joint System. The Joint System shall utilize light weight aluminum profiles exhibiting minimal exposed aluminum surfaces mechanically snap locking the multicellular to facilitate movement. (Material shall confirm to ASTM 6063).		
	5.45.1 Wall Joint of 100 mm gap.	metre	5271.80
	5.45.2 Wall Joint of 150 mm gap.	metre	5683.80
	5.45.3 Wall Joint of 200 mm gap.	metre	6095.70
5.46	Providing and fixing of expansion joint system of approved make and manufactures for various roof locations as per approved drawings and direction of Engineer-In-Charge. The joints shall be of extruded aluminum base members with, self aligning and self centering arrangement support plates as per ASTM B221-02. The system shall be such that it provides watertight roof to roof/roof to corner joint cover expansion control system that is capable of accommodating multidirectional seismic movement without stress to its components. System shall consist of metal profile that incorporates a universal aluminum base member designed to accommodate various project conditions and roof treatments. The cover plate shall be designed of width and thickness required to satisfy movement and loading requirements and secured to base members by utilizing manufacturer's preengineered self-centering arrangement that freely rotates / moves in all directions. The Self centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. The Joint System shall resist damage or deterioration from the impact of falling ice, exposure to UV, airborne contaminants and occasional foot traffic from maintenance personnel. Provision of Moisture Barrier Membrane in the Joint System to have water tight joint is mandatory requirement. Material shall confirm to ASTM 6063.		
	5.46.1 Roof Joint of 100 mm gap.	metre	6614.60
	5.46.2 Roof Joint of 150 mm gap.	metre	7026.50
	5.46.3 Roof Joint of 200 mm gap.	metre	7316.50
5.47	Providing and fixing in position factory made precast RCC M-40 doors and windows frames having excellent smooth finish as per IS: 6523 with reinforcement of 3 Nos, 6 mm dia main bars tied with 3 mm M.S stirrups placed @ 200 mm C/C and 6 numbers high strength polymer blocks of required size for fixing hinges including providing 6 no specially designed M.S. galvanised sleeves for accommodating 6 mm dia fully threaded bolts for fixing hold fast on vertical members, providing suitable arrangement for receiving sliding door bolts and tower bolt etc all complete, as per the direction of Engineer in charge. (The cost of hold fast and cc block of 1:3:6 mix is also included in the item.) The frame shall be measured in running meter correct to two places of decimal.		

Code No.	Description	Unit	Rate Rs.
5.47.1	Door frame 125 mm x 60 mm.	metre	421.50
5.47.2	Door frame 100 mm x 60 mm.	metre	392.30
5.47.3	Door frame 85 mm x 60 mm.	metre	377.30
5.48	Providing and laying Reinforced cement concrete for construction of piers,abutments, portal frames, pier caps and bearing pedestals and seismic arresters over pier/ abutment caps at all locations with specified grade using Ordinary Portland Cement (conforming to strength requirement of IS:8112) including the cost of steel centering and shuttering etc. complete including testing of materials etc. for casting pier & pier cap in one/two stage, necessary tools, plants, machinery and all related operations as required to complete the work as per drawings and Specifications with all leads, lifts and depths true to level and position but excluding the cost of providing reinforcement. Reinforcement shall be measured and paid separately. Cement content considered in this item is 480 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately.		
5.48.1	Reinforced Cement Concrete M50.	cum	5601.5
5.48.2	Reinforced Cement Concrete M60.	cum	6910.2
5.48.3	Extra for using M50/M60 grade self-compacting Reinforced Cement Concrete.	cum	612.8
5.49	Constructing cast-in situ RCC diaphragm wall byproviding and laying machine batched, machine mixed, self compacting, ready mix reinforced cement concrete, tramie controlled, of M 30 grade using minimum 400 kg. cement per cum of concrete including providing and mixing required admixtures in recommended proportions as per IS : 9103, as approved by the Engineer-in-charge, for achieving 150- 200mm slump, for diaphragm wall having thickness as per approved structural design not exceeding 600 mm, in pannels of required depth and lengths as per approved drawing, including constructing necessary guide walls as required and as specified including boring in all kinds of soils and rocks, including working in or under water and / or liquid mud, in foul conditions and pumping or bailing out of water and removing slush, including disposal of earth/ rock / slush etc. for all leads and all lifts, including preparing, providing and re-circulating bentonite slurry in the trench as and when required for all depths, including agitating bentonite slurry during trenching etc., providing and fixing stop ends or form tubes, upto the required depth of diaphragm wall including extracting the same after casting, including chipping off the bentonite adulterated concrete or unsound concrete up to the cut off level for obtaining the sound concrete, dressing undulations on the exposed face of diaphragm wall after excavation by chipping / chiseling etc. including filling the depression/ cavities with sound concrete etc. complete and as directed by the Engineer-in-charge, including providing recess for bearing plates and fixing insert boxes for inclined rock anchors etc. complete as per the specifications and approved design and as directed by the Engineer-in- charge, .but excluding the cost of reinforcement and inserts. (rates include cost of all inputs of labour, material and T & P, cost of handling, lifting & placing in position the reinforcement cage in the trench, including the additional cost of welding the reinforcement bars etc. involved in the work and all other incidental expenditure for completing the work as directed by the Engineer-in-charge), However, the actual area of the diaphragm wall, correct to two places of decimal, from design bottom level to the design cut off level (including portion anchored in the rock upto the design bottom level) only shall be measured for payment.		
5.49.1	Excess/less cement used for design mix including the extra cement required for under water concreting is payable / recoverable separately.	cum	11756.1

SUB HEAD : 6.0
BRICK WORK

6.0 Brick Work (A)

Code No.	Description	Unit	Rate Rs.
6.1A	Brick work with bricks of class designation 100A in foundations and plinth in :		
6.1.12/1	Cement mortar 1 :4 (1 cement: 4 coarse sand)	cum	4724.40
6.1.14A	Cement mortar 1:6 (1 cement: 6 coarse sand)	cum	4490.60
6.3A	Extra for Brick work in superstructure above plinth level upto floor V cum	cum	513.30
6.4A	Extra for brick work in superstructure above floor V level for each four floors or part thereof.	cum	383.60
6.11A	Extra for forming cavity 5cm to 7.5cm wide in cavity wall with necessary weep and vent holes including use of cores and cast of providing and fixing bitumasttc coted m.s. toles 300mmlong of 25mmx3mmsection at not less than 3 tiles per sqm as per approved design.	sqm	76.60
6.12A	Providing half brick masonry with bricks of class designation 100A in cement mortar 1:3 (1 cement: 3 coarse sand) in supersturcture for closing cavity 5 to 7.5 cm wide in cavity wall complete with 10cmm/11.4cm wide bitumen felt type 3 grade 1.	per m	165.30
6.13A	Brick work 7cm thick with brick of class designation 100A cement mortar 1:3 (1 cement: 3 coarse sand) in super structure	sqm	426.60
6.15A	Brick work in plain arches in superstructure including centring and shuttering complete for span upto 6 metres with bricks of class designation 100A in cement mortar 1:3(1 cement:3 coarse sand)	cum	7164.70
6.16A	Brick work in gauged arches in superstructure in cement mortar 1:3 (1 cement:3 coarse sand) including centring and shutierning complete. Span upto 6 metres with	cum	8370.40
6.17A	Extra for additionalcost of centring for arches exceeding 6 mspan including all shuttering , Bolting , wedging and removal(Area of the soffit to be measured) .	sqm	267.40
6.18A	Half brick masonry with bricks of class designation 100A in foundations and plinth in :		
6.18.3A	Cement mortar 1:3 (1 cement: 3 coarse sand)	sqm	581.30
6.18.4A	Cement mortar 1:4 (1 cement: 4 coarse send)	sqm	555.10
6.19A	Extra for half Brick masonry in superstructure above pinth level upto floor V level.	sqm	53.30
6.20A	Extra for half brick masonry in superstructure. Above floor V level for every four floors or part there of	sqm	43.80
6.21A	Extra for providing and placing in position 2 Nos, 6 mm dia , MS bars at every third course of half brick masonry (with F. P. S. bricks)	sqm	55.40
6.23A	Tile brick masonry with tile bricks of class desgnation 100 in foundation and plinth in :		
6.23.7A	Cement mortar 1:4 (1 cement :4 coarse sand)	cum	8373.20
6.23.8A	Cement mortar 1.6 (1 cement :6 coarse sand)	cum	7999.20

Code No.	Description	Unit	Rate Rs.
6.24A	Extra for tile bricks masonry with tile bricks of class designation 100A in superstructure from plinth level upto floor five level.	cum	506.20
6.25A	Extra for tile brick masonry with tile bricks of class designation 100A in superstructure above floor five level for every four floor or part thereof,	cum	383.60
6.29A	Tile brick masonry with bricks of class designation 100 in plain arch work superstructure in cement mortar 1:4 (1 cement: 4 coarse sand)	cum	10555.10
6.30A	Tile brick masonry with tile bricks of class designation 100A in gauged arch work in superstructure in cement mortar 1:4 (1 cement: 4 coarse sand) including centring and shuttering complete.	cum	11623.60
6.31A	Tile brick masonry work 5 cm thick with tile bricks of class designation 100A in cement mortar 1:3 (1 cement: 3 coarse sand) in superstructure .	sqm	479.00
6.32 A	Honey- comb brick work 10/11.4 cm thick with bricks of class designation 100A in cement mortar 1:4 (1 cement: 4 coarse sand)	sqm	384.80
6.39A	Extra for brick work in under water mud or liquid mud including cost of pumping or bailing out water - slush etc	cum	293.00
6.41A	Brick work with selected bricks of class designation 100A in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level up to plinth level in cement mortars 1:6(1 cement: 6 coarse sand)	cum	4556.70
6.45A	Extra for exposed brick work in superstructure above plinth level and upto floor level. $0.75 \times 1.5 = 1.13$	cum	645.80
6.47A	Providing 250mm wide brick drain in cement mortar (1:6) with av. 150mm. Clear depth and 250mm apron including cost of E/W. involved with 75mm cement concrete (1:4:8) over one brick designation 100-A flat soling in proper grade and slope at the base.the drain duly.plastered in CM. (1:3) with punning over exposed surface all complete as per building specification and	Per m	970.50
6.48A	Providing 150mm wide brick drain in cement mortar (1:6) with av. 150mm clear depth and 125mm apron concrete (1: 4:8), over one brick designation 100-A flat soling in proper grade and slope at the base, the drain duly plastered in CM. (1:3) with punning over exposed surface all complete as per building specification and	Per m	512.80
6.38	Providing and laying autoclaved aerated cement blocks masonry with 100 mm thick AAC blocks in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand).The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work.	cum	4870.60
6.4	Providing and laying Gypsum panel partitions 100 mm thick with water proof Gypsum panels of size 666x500x100 mm, made of calcite phosphor Gypsum fixed with tongue and groove, jointed with bonding plaster as per manufacturers specifications in superstructure above plinth level up to floor V level. Gypsum	sqm	797.10
6.41	Extra for Gypsum panel partitions in superstructure above floor V level for every four floors or part there of.	sqm	44.20

6.0 Brick Work (B)

Code No.	Description	Unit	Rate Rs.
6.1B	Brick work with bricks of class designation 100B in foundations and plinth in :		
6.1.12B	Cement mortar 1.:4 (1 cement: 4 coarse sand)	cum	4440.50
6.1.14B	Cement mortar 1:6 (1 cement: 6 coarse sand)	cum	4206.70
6.3B	Extra for Brick work in superstructure above plinth level upto floor V cum	cum	484.80
6.4B	Extra for brick work in superstructure above floor V level for each four floors or part thereof.	cum	383.60
6.11B	Extra for forming cavity 5cm to 7.5cm wide in cavity wall with necessary weep and vent holes including use of cores and cast of providing and fixing bitumanstic coted m.s. toles 300mm long of 25mm x 3mm section at not less than 3 tiles per sqm as per approved design.	sqm	74.30
6.12B	Providing half brick masonry with bricks of class designation 100B in cement mortar 1:3 (1 cement: 3 coarse sand) in supersturcture for closing cavity 5 to 7.5 cm wide bitumen felt	m	165.30
6.13B	Brick work 7cm thick with brick of class designation 100B cement mortar 1:3 (1 cement: 3 coarse sand) in super structure	sqm	404.40
6.15B	Brick work in plain arches in superstructure including centring and shuttering complete for span upto 6 metres with bricks of class designation 100B in cement mortar 1:3(1 cement: 3 coarse sand	cum	6856.90
6.16B	Brick work in gauged arches in superstructure in cement mortar 1:3 (1 cement:3 coarse sand) including centring and shuttering complete. Span upto 6 metres with	cum	8037.40
6.17B	Extra for additionalcost of centring for arches exceeding 6 mspan ' including allshuttering . Bolting , wedging and removai (Area of the soffit to be measured) .	sqm	267.40
6.18B	Half brick masonry with bricks of class designation 100B in foundations and plinth in :		
6.18.3B	Cement mortar 1:3 (1 cement: 3 coarse sand)	sqm	547.50
6.18.4B	Cement mortar 1:4 (1 cement: 4 coarse send)	sqm	521.30
6.19B	Extra for half Brick masonry in superstructure above pinth level upto floor V level.	sqm	53.30
6.20B	Extra for half brick masonry in supersrructure. Above floor V level for every four floors or part there of	sqm	43.80
6.21B	Extra for providing and placing in position 2 Nos, 6 mm dia , MS bars at every third course of half brick masonry (with F. P. S.	sqm	55.20
6.23B	Tile brick masonry with tile bricks of class desgnation 100 in foundation and plinth in :		
6.23.7B	Cement mortar 1:4 (1 cement :4 coarse sand)	cum	8367.50
6.23.8B	Cement mortar 1.6 (1 cement :6 coarse sand)	cum	7993.40

Code No.	Description	Unit	Rate Rs.
6.24B	Extra for tile bricks masonry with tile bricks of class designation 100B in superstructure from plinth level upto floor five level.	cum	506.20
6.25B	Extra for tile brick masonry with tile bricks of class designation 100B in superstructure above floor five level for every four floor or part thereof.	cum	383.60
6.29B	Tile brick masonry with bricks of class designation 100 in plain arch work superstructure in cement mortar 1 :4 (1 cement: 4 coarse sand) including centring and shuttering complete.	cum	10542.40
6.30B	Tie brick masonry with tile bricks of class designation 100B in gaude arch work in superstructure in cement mortar 1:4 (1 cement: 4 coarse sand) including centring and shuttering	cum	11634.80
6.31B	Tile brick masonry work 5 cm thick with tile bricks of class designation 100B in cement mortar 1:3 (1 cement: 3 coarse sand) in superstructure ,	sqm	473.30
6.32B	Honey- comb brick work 10/11.4 cm thick with bricks of class designation 100B in cement mortar 1:4 (1 cement: 4 coarse sand)	sqm	358.50
6.39B	Extra for brick work in or under water mud or liquid mud including cost of pumping or bailing out water — slush etc	cum	293.00
6.41 B	Brick work with selected bricks of class designation 100B in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level up to plinth level in cement mortars 1:6(1 cement: 6 coarse sand)	cum	4255.50
6.45B	Extra for exposed brick work in superstructure above plinth level and upto floor level. $0.75 \times 1.5 = 1.13$	cum	624.96

6.0 FLY ASH Brick Work (C)

6.1C	Brick work with fly ash bricks as per IS 12894(2002) & IS 3495 in foundations and plinth in :		
6.1.12C	Cement mortar 1.:4 (1 cement: 4 coarse sand)	cum	4936.30
6.1.14C	Cement mortar 1:6 (1 cement: 6 coarse sand)	cum	4706.00
6.3C	Extra for Brick work in superstructure above plinth level upto floor V cum	cum	513.30
6.4C	Extra for brick work in superstructure above floor V level for each four floors or part thereof.	cum	383.60

6.0 Brick Work with Lime Mortar (D)

6.1D	Brick work with bricks of class designation 100A in foundations and plinth in :		
6.1.12D	Lime mortar (1:1:1) (1 limeputty: 1shukhi:1coarse sand)	cum	4644.40
6.1.14D	lime mortar mortar 1:1:2(1 limeputty: 1 surkhi:2 coarse sand) Details of cost for 1 cum	cum	4511.60

SUB HEAD : 7.0
STONE WORK

BUILDING WORK - Contd.

7.0 Stone Work

Code No.	Description	Unit	Rate Rs.
A7.1	Dressing of sand stone for ashlar cyclopean-	10cudm	47.20
A7.2	Dressing of sand stone for moulded work	10cudm	97.80
A7.3	Dressing of sand stone for ashlar puncheol ordinary work	10cudm	40.03
A7.4	Dressing of sand stone m arch dome's or circular moulded work	10cudm	118.20
A7.5	Dressing of sand stone for ashlar moulded and currved colonic	10cudm	160.60
A7.6	Dressing of sand stone -----	sqm	465.40
A7.7	Fixing charges for stone work including pointing	10cudm	50.90
A7.8	Fixing charges for stone in veneer work .	sqm	582.40
7.1	Random rubble masonry with hard stone in foudration and plinth including leveling up with cement concrete 1:6:12 (1 cement: 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) at plinth level with .		
7.1.1	Cement mortar 1:6 (1 cement: 6 coarse sand)	cum	2643.20
7.2	Extra for random rubble masonry with hard stone in spuerstructure above plinth level and upto floor five level, including leveling up with cement concreter 1:6:12 (1 cement: 6 coarse sand : 12 graded . stone aggregate 20 mm nomiinal size) at window sills , ceiling level and the like.	cum	521.70
7.3	Extra for random rubble masonry with hard stone in superstructure above floor V levei for every four floors or part therof .	cum	483.30
7.4	Extra for random rubble masonry with hard stone in .		
7.4.1	Square or rectangular pillars	cum	238.50
7.4.2	Circular pillars	cum	752.10
7.5	Extra for random rubble masonry with hard stone curved on plan for ad mean radius not exceeding 6 m .	cum	299.90
7.6	Coursed rubble masonry (fist sort) with hard stone in foundation and plinth with .		
7.6.1	Cement mortar 1:6(1 cement: 6 coarse sand)	cum	3021.50
7.7	Coursed rubble masonry (second sort) with hard stone in foundation & plinth with >		
7.7.1	Cement mortar 1:6 (1 cement: 6 coarse sand)	cum	2822.40
7.8	Extra for coursed rubble masonry with hard stone (first or second sort) in superstrucue above plinth level and upto floor five level .	cum	594.10
7.9	Extra for coursed rubble masonry with hard stone (first or second sort) in superstructure above floor V level for every four floor's or part thereof.	cum	483.30
7.10	Extra for coursed rubble masonry with hard stone (first or second sort) in :		
7.10.1	Square or rectangular pillars	cum	264.80
7.10.2	Circular pillars	cum	850.80

Code No.	Description	Unit	Rate Rs.
7.11	Extra for coursed rubble masonry with hard stone (first or second sort) curved on plan for a mean radius not exceeding 6 m .	cum	325.90
7.12	Stone work in plain ashlar in super structure upto floor five level in cement mortar 1:6{1 cement: 6 coarse sand) including pointing with cement mortar 1 2 (1 white cement: 2 stone dust) with an admixture of pigment matching the stone shade .		
7.12.1	Red sand stone	cum	22469.20
7.12.2	White sand stone	cum	22900.40
7.13	Stone work plain ashlar in arches in cement mortar 1:3 (1 cement: 3 coarse sand) including centring, shuttering and pointing with white cement mortar 1:2(1 white cement: 2 stone dust) with an admixture of pigment matching the stone shade .		
7.13.1	Red sand stone	cum	25237.10
7.13.2	White sand stone	cum	24612.40
7.14	Stone work plain ashlar in domes in cement mortar 1:3 {1 cement: 3 coarse sand) including centring, shuttering and pointing with white cement mortar 1:2(1 white cement: 2 stone dust) with an admixture of pigment matching the stone shade .		
7.14.1	Red sand stone	cum	33690.60
7.14.2	White sand stone	cum	34455.80
7.15	Stone work ashlar punched (ordinary} in superstructure upto floor five level in cement mortar 1:6(1 white cement: 6 coarse sand) including pointing with cement mortar 1:2(1 cement: 2 stone dust) with an admixture of pigment matching the stone shade . '		
7.15.1	Red sand stone	cum	21360.60
7.15.2	White sand stone	cum	23469.70
7.16	Extra for stone work , plain ashlar or ashlar punched above floor V for every four floors or part thereof.	cum	482.70
7.17	Extra for plain ashlar or ashlar punched in :		
7.17.1	Square or rectangular pillars	cum	711.40
7.19	Extra for additional cost of centring for arches exceeding 6m span including all strutting , bolting, wedging etc , and removal (area of soffit to be measured).	sqm	267.40
7.2	Stone work sunk or moulded or sunk and moulded upto floor five level in cement mortar 1:6 (1 cement: 6 coarse sand) including pointing with white cement mortar 1:2 (1 cement: 2 stone dust) with an admixture of pigment matching the stone shade:		
7.20.1	Red sand stone	cum	30877.70
7.20.2	White sand stone	cum	34284.50
7.21	Extra for stone work sunk or moulded or sunk and moulded or carved in :		
7.21.1	Triangular or Square or rectangular pillars	cum	2412.60
7.21.2	Circular or polygonal pillars	cum	6835.60

Code No.	Description	Unit	Rate Rs.
7.22	Extra for stone work sunk or moulded in cornices .	metre per cm	14.50
7.23	Stone work (machine cut edge) for wall lining etc. (vener work) over 12 mm thick bed of cement lime mortar 1:1:6 (1 cement: 1 lime putty : 6 fine sand) including pointing in white cement mortar 1:2(1 white cement: 2 stone dust) with an admixture of pigment matching the stone shade: (To be secured to the backing by means of cramps which shall be paid for seperately)		
7.23.1	Red sand stone- exposed face fine dressed with rough backing		
7.23.1.1	70 mm thick	0.1 sqm	2022.70
7.23.1.2	60 mm thick	0.1sqm	1917.10
7.23.1.3	50 mm thick	0.1 sqm	1811.70
7.23.1.4	40 mm thick	0.1 sqm	1705.70
7.23.2	White sand stone		
7.23.2.1	70 mm thick	0.1sqm	2079.60
7.23.2.2	60 mm thick	0.1sqm	1965.80
7.23.2.3	50 mm thick	0.1sqm	1852.30
7.23.2.4	40 mm thick	0.1sqm	1738.00
7.24	Extra for stone work (vener work) curved on plan with a mean radius not exceeding 6 m .	cum	1853.30
7.25	Providing and fixing gun metal cramps of required shape for anchoring stone wall lining to the backing or securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement: 2 fine sand) including making the necessary chases.		
7.25.1	25x6 mm - 30 long	each cramp	107.20
7.26	Providing and fixing stone dowels 10x5x2.50 cm cut to double wedge shape as per design in cement mortar 1:2 (1 cement: 2 fine sand) including making the necessary chases .	dowel	35.20
7.27	Providing and fixing copper pins 7.5 cm long 6 mm diameter for securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement: 2 fine sand) including making the necessary chases .	copper pin	25.80
7.29	Providing and fixing horizontal chajja of stone 400 mm thick and upto 80 cm projection in cement mortar 1:4(1 cement: 4 coarse sand) including pointing in white cement mortar 1:2 (1 white cement: 2 stone dust) with an admixture of pigment matching the stone shade.		
7.29.1	Red sand stone	sqm	610.90
7.29.2	White sand stone	sqm	641.50
7.30	30 mm red sand stone sun-shade (chisel-dressed) supported on red sand stone brackets, fixed in walls with cement mortar 1:4 (1 cement: 4 coarse sand) including finishing complete.	sqm	678.70

Code No.	Description	Unit	Rate Rs.
7.31	Providing and fixing red sand stone brackets 55x22.5x45 cm sunk and moulded including providing and fixing with 4 Nos. gun metal cramp 25x6 mm. 30 cm long and dowel bars 7.5 cm long 6 mm dia as per design.	bracket	2228.60
7.32	Stone work , plain in copings , cornices, string courses and plinth courses, in cement mortar 1: 6 (1 cement: 6 coarse sand) including pointing with white cement mortar 1:2 (1 white cement: 2 stone dust) with an admixture of pigment matching the stone shade .		
7.32.1	Red sand stone	cum	29634.80
7.32.2	White sand stone	cum	30066.10
7.38	Providing and fixing stone jali 40 mm thick throughout(without sunking or moulding in jali slab) in cement mortar 1:3(1 cement: 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement: 2 stone dust) with an admixture of pigment, matching the stone shade, jali slab without any chamfers etc.		
7.38.1	Red sand stone	sqm	6125.40
7.38.2	White sand stone	sqm	6152.20
7.36	Wall lining butch work with Dholpur stone 40 mm thick rough taching on the exppsed surface with stone strips of minimum length 230 mm and required with including embedding every lenth layer and bottom most layer in masonry or concrete after making necessary chases of size 75 x 75 mm and by providing layer or 75 mm thick strips i/c 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand) i/c ruled pointing in cement mortar 1:2 (1 white cement: 2 stone dust) with an admixture of pigment to match the shade of stone complete as per direction of	sqm	1311.70
7.37	Stone work (machine cut edges veneer work) for wall lining upto 10 m height, backing filled with a grout of 12 mm thick cement mortar 1:3 (1 Cement : 3 coarse sand) and jointed with Cement mortar 1:2 (1 cement : 2 stone dust), including rubbing and polishing complete. (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately)		
7.37.1	Kota stone slabs exposed face dressed and rubbed.		
7.37.1.1	25 mm thick	sqm	1227.00
7.37.1.A	Dressing of sand stone in veneer work	sqm	1697.00
7.37.1.B	Dressing of sand stone in ashlar punched (ordinary work)	sqm	1265.10
7.38	Stone tile work for wall lining upto 10.0m height with special adhesive like araldite or equivalent over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand) including pointing in-white cement with an admixture of pigment to match the stone		
7.38.1	8 mm thick (mirror polished and machine cut edge)		
7.38.1.1	Granite black stone	sqm	1498.80
7.38.1.2	Raj Nagar plain white marble / Udaipur green marble / Zebra black marbleGranite black stone	sqm	1248.90

Code No.	Description	Unit	Rate Rs.
7.39	Extra for stone work for wall lining on exterior walls of height more than 10 m from ground level for every additional height of 3 m or part there of.	sqm	71.50
7.40	Providing and fixing dry cladding upto 10 metre heights with 30 mm thick gang saw cut stone with (machine cut edges) of uniform colour and size upto 1mx1m, fixed to structural steel frame work and / or with the help of cramps, pins etc. and sealing the joints with approved weather sealant as per Architectural drawing and direction of Engineer-in-Charge. (The steel frame work, stainless steel cramps and pins etc. shall be paid for separately.)		
7.40.1	Red sand stone	sqm	2124.40
7.40.2	White sand stone	sqm	2159.80
7.41	Providing and fixing structural steel frame (for dry cladding with 30 mm thick gang saw cut with machine cut edges sand stone) on walls at all heights using M.S. square / rectangular tube in the required pattern as per architectural drawing, including cost of cutting, bending, welding etc. The frame work shall be fixed to the wall with the help of MS brackets / lugs of angle iron / flats etc. which shall be welded to the frame and embedded in brick wall with cement concrete block 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) of size 300x230x300 mm, including cost of necessary centring and shuttering and with approved expansion hold fasteners on CC/RCC surface, including drilling necessary holes. Approved cramps / pins etc. shall be welded to the frame work to support stone cladding, the steel work will be given a priming coat of Zinc primer as approved by Engineer-in-Charge and painted with two or more coats of epoxy paint (Shop drawings shall be submitted by the contractor to the Engineer-in-Charge for approval before execution). The frame work shall be fixed in true horizontal & vertical lines/planes. (Only structural steel frame work shall be measured for the purpose of payment, stainless steel cramps shall be paid for separately and nothing extra shall be paid.)	Per Kg	119.40
7.42	Providing and fixing adjustable stainless steel cramps of approved quality, required shape and size, adjustable with stainless steel nuts, bolts and washer (total weight not less than 260 gms), for dry stone cladding fixed on frame work at suitable location, including making necessary recesses in stone slab, drilling required holes etc complete as per direction of the Engineer-in-charge.	Each	177.20

SUB HEAD : 8.0
MARBLE WORK

8.0 Marble Work

Code No.	Description	Unit	Rate Rs.
A8.1	Dressing of Marble for steps, jambs, walls, pillars and other plain work	10cudm	153.40
A8.2	Dressing of marble for moulded jambs and heads, straight mouldings and plain arces or domes.	10cudm	244.40
A8.3	Dressing of marble in moulded arches or domes and circular mouldings.	10cudm	525.40
A8.4	Dressing of marble veneer work	sqm	671.20
A8.5	Labour for fixing marble in veneer work 2.5 cm to 5 cm thick.	sqm	972.20
8.1	Marble work gang saw cut (polished and machine cut) of thickness 18mm for wall lining (veneer work) in cement mortar 1:3 (1 cement :3 coarse sand) including pointing with white cement mortar 1:2(1 white cement:2 marble dust) with an admixture of pigment to match the marble shade:(To be secured to the backing by means of cramps, which shall be paid for separately)		
8.1.1	White Marble-Raj Nagar Plain/Udaipur green marble/ Zebra block marble		
8.1.1.1	Area of slab upto 0.50 sqm	sqm	2196.10
8.1.1.2	Area of slab over 0.50 sqm	sqm	2337.20
8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations, of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.		
8.2.1	Rajnagar plain white marble /Udaipur green marble/ Zebra block marble		
8.2.1.1	Area of slab upto 0.50 sqm	sqm	1923.90
8.2.1.2	Area of slab over 0.50 sqm	sqm	2052.00
8.2.2	Granite of any colour and shade		
8.2.2.1	Area of slab upto 0.50 sqm	sqm	3539.50
8.2.2.2	Area of slab over 0.50 sqm	sqm	3573.70
8.3	Providing edge moulding to 18 mm thick marble stone counters, vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.		
8.3.1	Marble work	m	108.40
8.3.2	Granite work	m	182.10

Code No.	Description	Unit	Rate Rs.
8.4	Extra for fixing marble/granite stone over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based (Araldite or equivalent) adhesive including cleaning etc. complete.	m	181.50
8.5	Extra for providing opening of required size & shape for wash basins/kitchen sink in kitchen platform. Vanity counters and similar location in marble/granite/stone work including necessary holes for pillar taps etc. including rubbing,moulding and polishing of cut edges etc. complete.	Each	259.20
8.6	Mirror polishing on marble work/stone work where ever required to give high gloss finish complete.	sqm	155.20
8.7	Providing and fixing cramps of required size & shape in RCC/ CC / Brick masonry backing with cement mortar 1:2 (1 cement :2 coarse sand), including drilling necessary hole in stones and embedding the cramp in the hole (fastener to be paid separately).		
	8.7.1 Gunmetal cramps	Per Kg	565.80
	8.7.2 Stainless steel cramps	Per Kg	594.10
8.8	Providing and fixing expansion hold fasteners on CC/R.C.C. surface backing including drilling necessary holes and the cost of bolt etc complete.		
	8.8.1 wedge expansion type		
	8.8.1.1 Fastner with-threaded dia. 1/4" or 6mm	Each	25.10
	8.8.1.2 Fashtner with threaded dia. 3/8" or 10 mm	Each	26.70
	8.8.1.3 Fastner with threaded dia. 1/2" or 12mm	Each	43.00
8.9	Stone tile (polished) work for wall lining over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3 kg/ sqm including pointing in white cement complete.		
	8.9.1 8 mm thick		
	8.9.1.1 Raj nagar plain white marble / Udaipur green marble / Zebra black marble	sqm	1199.00
	8.9.1.2 Granite of any colour and shade	sqm	1624.40
8.10	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone finished smooth.aggregate 6 mm nominal size) as per direction of Engineer-in-Charge and		
	8.10.1 White Agaria Marble Stone	sqm	3038.70
	8.10.2 Granite Stone of approved shade	sqm	3112.0

Code No.	Description	Unit	Rate Rs.
8.11	Providing and fixing machine cut, mirror / eggshell polished , Marble stone work for wall lining (veneer work) including dado, skirting, risers of steps etc., in required design and pattern wherever required,stones of different finished surface texture, on 12 mm (average) thick cement mortar 1:3 (1 cement :3 coarse sand) laid and jointed with white cement slurry @ 3.3 kg/sqm including pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing, polishing etc. all complete as per Architectural drawings, and as directed by the Engineer-in-Charge.		
(a.)	18 mm thick Italian Marble stone slab,Perlato, Rosso verona, Fire Red or Dark Emperadore etc.	sqm	6251.70
8.12	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20mm(average) thick base of cement mortar 1:4(1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge :		
a.)	Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	sqm	2808.30

SUB HEAD : 9.0
WOOD WORK

9.0 Wood Work

Code No.	Description	Unit	Rate Rs.
9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).		
9.1.1	Second class teak wood	cum	91504.80
9.1.2	Sal wood	cum	73465.50
9.1.3	Kiln seasoned and chemically treated hollock wood.	cum	49794.40
9.1.4	Local wood	cum	47639.70
9.2	Providing laminated veneer lumber conforming to IS:14616 and TAD 15: 2001(Part B) in factory made frames of doors, windows, clerestory windows and other frames, wrought framed and fixing in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).	cum	96269.70
9.3	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position :		
9.3.1	Sal wood	cum	70771.60
9.3.2	Kiln seasoned and chemically treated hollock wood.	cum	46936.80
9.4	Extra for additional labour for circular works,such as in frames of fan light.		
9.4.1	Second Class teakwood-	cum	9135.40
9.4.2	Sal wood-	cum	7331.50
9.4.3	Kiln seasoned and and chemically treated hollock wood.	cum	4964.50
9.5	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S.pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.		
9.5.1	Second Class teak wood-		
9.5.1.1	35 mm thick	sqm	2505.80
9.5.1.2	30 mm thick	sqm	2219.00
9.5.2	Kiln seasoned and chemically treated hollock wood.		
9.5.2.1	35 mm thick	sqm	1512.40
9.5.2.2	30 mm thick	sqm	1363.10
9.5.3	Kiln seasoned selected planks of sheesham wood.		
9.5.3.1	35 mm thick	sqm	2310.70
9.5.3.2	30 mm thick	sqm	2035.20
9.6	Providing and fixing 35 mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001 (Part B), including ISI marked M.S.pressed butt hinges bright finished of required size with necessary screws, all complete as per directions of Engineer-in-Charge and panelling with panels of:		

Code No.	Description	Unit	Rate Rs.
9.6.1	12 mm thick plain grade - 1, medium density flat pressed three layer particle board FPT - I or graded wood particle board FPT-I, IS :3087 marked, bonded with BWP type synthetic resin adhesive as per IS : 848:	sqm	2484.70
9.6.2	12 mm thick pre-laminated particle board (decorative lamination on both sides) grade - 1, medium density flat pressed, three layer particle board FPT - I or graded wood particle board FPT - I, conforming to IS : 3087, bonded with BWP type synthetic resin adhesive as per IS : 848 and prelaminated conforming to IS : 12823, Grade 1, Type - II marked :	sqm	2704.40
9.6.3	12 mm thick prelaminated (with decorative lamination on one side and balancing lamination on other side) particle board Grade -1 medium density flat pressed, three layer and graded (FPT-1) conforming to IS :3087 bonded with BWP type synthetic resin adhesive as per IS :848 and prelamination conforming to IS :12823 Grade-1 Type II	sqm	2606.80
9.7	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick:		
9.7.1	Second class teak wood	sqm	2029.10
9.7.2	Klin seasoned and chemically treated hollock wood for 40,35,30,25mm thick shutters	sqm	1227.60
9.7.3	Ply wood 5 ply, 9 mm thick.		
9.7.3.1	Decorative plywood both side decorative veneer (Type - I) conforming to IS 1328 BWR type.	sqm	1826.20
9.7.3.2	Decorative plywood one side decorative veneer and commercial veneer on other face (Type 1) conforming to IS 1328 BWR Type	sqm	1545.10
9.7.4	Ply wood 7 ply, 9 mm thick.		
9.7.4.1	Decorative plywood one side decorative veneer and commercial veneer on other face (Type 1) conforming to IS	sqm	1663.50
9.7.5	Particle Board 12 mm thick.		
9.7.5.1	Plain particle board flat pressed, 3 layer or graded wood particle board medium density Grade I, IS : 3087 marked	sqm	783.10
9.7.5.2	Veneered flat pressed three layer or graded wood particle board with commercial veneering on both sides conforming to IS :3097, grade I	sqm	1042.00
9.7.5.3	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side, Grade I, Type II, IS : 12823 marked	sqm	1397.10
9.7.5.4	Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II, IS :12823 marked	sqm	1456.30
9.7.6	Coir Veneer Board (conforming to IS 14842)		
9.7.6.1	12 mm thick.	sqm	1264.00

Code No.	Description	Unit	Rate Rs.
9.7.7	Float glass panes.		
9.7.7.1	4 mm thick glass pane.	sqm	943.00
9.7.7.2	5.5 mm thick glass pane.	sqm	1194.50
9.7.8	Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia wire and 1.4 mm wide aperture with matching wood beading	sqm	1499.90
9.9	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.		
9.9.1	Second class teak wood		
9.9.1.1	35 mm thick	sqm	3064.00
9.9.1.2	30 mm thick	sqm	2736.30
9.9.2	Kiln seasoned and chemically treated hollock wood		
9.9.2.1	35 mm thick	sqm	1933.00
9.9.2.2	30 mm thick	sqm	1762.50
9.9.3	Kiln seasoned selected planks of sheesham wood		
9.9.3.1	35 mm thick	sqm	2842.10
9.9.3.2	30 mm thick	sqm	2545.00
9.10	Providing and fixing factory made laminated veneer lumber glazed shutter conforming to IS: 14616 and TADS 15:2001 (Part B), using 4 mm thick float glass panes for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, all as per directions of Engineer-in-charge.		
9.10.1	30 mm thick shutters	sqm	2240.60
9.11	Extra for providing heavy sheet float glass panes instead of ordinary float glass in glazed doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).		
9.11.1	5.5 mm thick instead of 4 mm thick	sqm	207.50
9.12	Extra for providing frosted glass panes 4 mm thick instead of ordinary float glass panes 4 mm thick in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	sqm	6.10
9.13	Deduct for providing pin headed glass panes instead of ordinary float glass panes weighing 4 mm thick in doors, windows and clerestory window shutters (Area of opening for glass panes excluding portion inside rebate shall be measured).	sqm	36.60
9.14	Extra for providing ISI marked Stainless Steel butt hinges instead of M.S. pressed butt hinges bright finished of required size with necessary screws. (Shutter area to be measured).	sqm	105.50
9.15	Deduct for not providing hinges in doors, windows and clerestory window shutters with		
9.15.1	Stainless steel butt hinges with stainless steel screws.		

Code No.	Description	Unit	Rate Rs.
9.15.1.1	For 2nd class teak wood and other class of wood shutters.	sqm	154.90
9.15.2	ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.		
9.15.2.1	For 2nd class teak wood and other class of wood shutters.	sqm	49.40
9.16	Providing and fixing 25 mm thick shutters for cup board etc. :		
9.16.1	Panelled or panelled & glazed shutters :		
9.16.1.1	Second class teak wood including ISI marked anodised aluminium butt hinges with necessary screws	sqm	2521.30
9.16.1.2	Second class teak wood including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	sqm	2454.90
9.16.2	Glazed shutters:		
9.16.2.1	Second class teak wood including ISI marked anodised aluminium butt hinges with necessary screws	sqm	2541.80
9.16.2.2	Second class teak wood including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	sqm	2513.00
9.17	Providing and fixing flat pressed 3 layer particle board medium density exterior grade (Grade I) or graded wood particle board IS : 3087 marked, to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately) :		
9.17.1	12 mm thick	sqm	500.60
9.17.2	18 mm thick	sqm	624.20
9.18	Providing and fixing Pre-laminated flat pressed 3 layer (medium density) particle board or graded wood particle board IS : 3087 marked, with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 marked, in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer (fittings to be paid separately).		
9.18.2	18 mm thick	sqm	1197.20
9.18.3	25 mm thick	sqm	1302.80
9.20	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1 st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.		
9.20.1	35 mm thick including stainless steel butt hinges with necessary screws-	sqm	2369.60
9.20.2	30 mm thick including stainless steel butt hinges with necessary screws-	sqm	2186.50
9.20.3	25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS : 3818 marked with necessary screws	sqm	1992.20

Code No.	Description	Unit	Rate Rs.
9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1 st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:		
9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	1698.20
9.21.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	1515.10
9.21.3	25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	sqm	1381.80
9.22	Extra for Providing and fixing flush doors with decorative veneering instead of non decorative ISI marked flush door shutters conforming to I.S. 2202 (part I).		
9.22.1	On one side only	sqm	415.00
9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (overall area of door shutter to be measured)	sqm	366.20
9.23A	Providing and fixing 25 mm thick shutters for cupboards etc.including black enamelled M.S. butt hinges with necessary screws :		
9.23A.1	Panelled or panelled and glazed shutters		
9.23A.1.	Second class teak wood	sqm	2303.10
9.23A.2	Glazed shutters		
9.23A.2.1	Second class teak wood	sqm	2497.90
9.24	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of glas excluded)		
9.24.1	Rectangular or Square	sqm	140.40
9.24.2	Circular	sqm	219.70
9.25	Extra if louvers (not exceeding 0.2 sqm) are provided in flush door shutters (overall area of door shutters to be measured)		
9.25.1	Decorative type door	sqm	378.40
9.26	Extra for cutting rebate in flush door shutters {total area of the shutter to be measured)	sqm	103.80
9.27	Providing and fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws:		
9.27.1	35 mm thick shutters		
9.27.1.1	With ISI marked M.S. pressed butt hinges bright finished of required size		
9.27.1.1.1	Second class teak wood	sqm	2834.80
9.27.1.1.2	Kiln seasoned and chemically treated hollock wood	sqm	1833.40
9.27.1.1.3	Kiln seasoned selected class of shesham wood	sqm	2638.20
9.27.1.2	With ISI marked stainless steel butt hinges of required size		
9.27.1.2.1	Second class teak wood	sqm	2940.30
9.27.1.2.2	Kiln seasoned and chemically treated hollock wood	sqm	1938.90

Code No.	Description	Unit	Rate Rs.
9.27.1.2.3	Kiln seasoned selected class of sheesham wood	sqm	2743.60
9.27.2	30 mm thick shutters		
9.27.2.1	With ISI marked M.S. pressed butt hinges bright finished of required size		
9.27.2.1.1	Second class teak wood	sqm	2496.80
9.27.2.1.2	Kiln seasoned and chemically treated hollock wood	sqm	1640.90
9.27.2.1.3	Kiln seasoned selected class of sheesham wood	sqm	2328.50
9.27.2.2	With ISI marked stainless steel butt hinges of required size		
9.27.2.2.1	Second class teak wood	sqm	2602.30
9.27.2.2.2	Kiln seasoned and chemically treated hollock wood	sqm	1746.20
9.27.2.2.3	Kiln seasoned selected class of sheesham wood	sqm	2433.90
9.31	Providing and fixing wire gauge laminated veneer lumber shutters conforming to IS : 14616, and as per TADS 15 :2001 (Part B) using galvanised wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm as per IS :1568 for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, as per directions of Engineer-in-charge:		
9.31.1	35 mm thick shutters	sqm	2216.20
9.31.2	30 mm thick shutters	sqm	1996.40
9.32	Providing 50x50x50 mm 2nd class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement: 3 coarse sand)	Each	17.60
9.33	Providing and fixing expandable fasteners of specified size with necessary plastic sleeves and galvanised M.S. screws including drilling holes in masonry work / C.C / R.C.C. and making good etc. complete.		
9.33.1	25mm long	each	16.50
9.33.2	32 mm long	each	18.80
9.33.3	40 mm long	each	22.46
9.33.4	50 mm long	each	23.70
9.34	Providing and fixing 2nd class teak wood plain lining tongued and grooved, including wooden plugs complete with necessary screws and priming coat on unexposed surface.		
9.34.1	40 mm thick	sqm	4897.70
9.34.2	25 mm thick	sqm	3153.00
9.34.3	20 mm thick	sqm	2546.80
9.34.4	12 mm thick	sqm	1616.40
9.35	Providing and fixing in wall lining flat pressed three layer (medium density) particle board or graded wood Pre-laminated one side decorative lamination and other side balancing lamination Grade I, Type II, IS : 12823 marked, including priming coat on unexposed surface, with necessary fixing arrangement and screws etc. complete :		
9.35.1	12 mm thick	sqm	1168.00
9.35.2	18 mm thick	sqm	1315.70
9.35.3	25 mm thick	sqm	1423.10
9.36	Providing and fixing specified wood frame work consisting of battens 50x25 mm fixed with rawl plug and drilling necessary holes for rawl plug etc. including priming coat complete.		
9.36.1	Kiln seasoned and chemically treated hollock wood	cum	89981.60

Code No.	Description	Unit	Rate Rs.
9.37	Providing and fixing plywood 4 mm thick, one side decorative veneer conforming to IS: 1328 (type-1), for plain lining / cladding with necessary screws, including priming coat on unexposed surface with:		
9.37.1	Decorative veneer facings of approved manufacture	sqm	1002.20
9.38	Providing and fixing 4 mm thick coir veneer board, ISI marked IS : 14842, plain lining with necessary screws, priming coat on unexposed surface etc., complete.	sqm	811.80
9.39	Providing and fixing skirting with Pre-laminated (one side decorative and other side balancing lamination) flat pressed 3 layer or graded particle board (medium density) Grade I, Type II, IS :12823 marked, with necessary fixing arrangements and screws, including drilling necessary holes for rawl plugs etc. and priming coat on unexposed surface complete :		
9.39.1	18 mm thick	sqm	1513.90
9.39.2	25 mm thick	sqm	1621.30
9.40	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete:		
9.40.1	2nd class teak wood		
9.40.1.1	50x12mm	m	99.60
9.40.1.2	50x20mm	m	139.00
9.40.2	Hollock wood		
9.40.2.1	50x12mm	m	71.00
9.40.2.2	50x20mm	m	91.40
9.41	Providing and fixing plain jaffri of 35x10 mm laths placed 35 mm apart (frames to be paid separately), including fixing 50x12 mm beading complete with :		
9.41.1	Second class teak wood	sqm	1631.30
9.42	Providing and fixing 18 mm thick, 150 mm wide pelmet of flat pressed 3 layer or graded wood particle board medium density grade I, IS : 3087 marked, including top cover of 6 mm commercial ply wood conforming to IS: 303 BWR grade, nickel plated M.S. pipe 20 mm dia (heavy type) curtain rod with nickel plated brackets, including fixing with 25x3 mm M.S. flat 10 cm long fixed to pelmet with hollock wood cleats of size 100 mm x 40 mm x 40 mm on both inner side of pelmet and rawl plugs 75 mm long etc. all complete.	sqm	312.80
9.43	Providing and fixing 18 mm thick, 150 mm wide pelmet of coir veneer board ISI marked IS : 14842, including top cover of 6 mm coir veneer board, nickle plated M.S. Pipe 20 mm dia. (heavy type) curtain rod with nickel plated brackets, including fixing with 25x3 mm M.S. Flat 10 cm long fixed to pelmet with hollock wood cleats of size 100 mm x 40 mm x 40 mm on both inner side of pelmet and rawl plugs 75 mm long etc. all complete	m	436.90
9.44	Extra for using veneered particle board conforming to IS: 3097 Grade I, in item of pelmet 18 mm thick 150 mm wide.		
9.44.1	Commercial veneered on both sides.	m	33.20
9.44.2	Particle board with decorative veneering on both sides	m	97.70
9.45	Providing and fixing teak wood lipping of size 25x3 mm in pelmet.	m	40.20

Code No.	Description	Unit	Rate Rs.
9.46	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete:		
9.46.1	12 mm dia	m	268.40
9.46.2	20 mm dia metre	m	353.90
9.76.3	25 mm dia metre	m	463.80
9.47	Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets:		
9.47.1	20mm dia (heavy type)	m	118.90
9.79A.2	25 mm dia (heavy type)	m	132.40
9.48	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.		
9.48.1	Fixed to steel windows by welding	kg	86.00
9.48.2	Fixed to openings/ wooden frames with rawl plugs screws etc	kg	94.20
9.49	Providing and fixing expanded metal 20x60 mm strands 3.25 mm wide and 1.6 mm thick for windows etc. including 62 x19 mm beading of II nd class teak wood and priming coat with approved steel primer all complete.	sqm	897.22
9.50	Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight not less than 7.75 Kg per sqm to window frames etc. including 62x19 mm beading of second class teak wood and priming coat with approved steel primer all complete.	sqm	1075.20
9.51	Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete.		
9.51.1	With second class teak wood beading 62x19 mm	sqm	811.00
9.51.2	with mild steel U beading	sqm	525.10
9.52	Deduct for fixing 75x25 mm hard drawn steel wire fabric of weight not less than 7.75 kg per sqm in panelled and glazed door and window shutter instead of glass sheet 4 mm thick.	sqm	122.10
9.53	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts,nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	Each	94.90
9.54	Providing beams including hoisting, fixing in position and applying wood preservative for the unexposed surfaces,etc. complete with:		
9.54.1	Sal wood	cum	68863.30
9.88.3	Hollock wood	cum	44578.90
9.55	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete:		
9.55.1	125x65x2.12 mm	each	30.30
9.55.2	100x58x1.90 mm	each	22.10
9.55.3	75x47x1.70 mm	each	16.90
9.55.4	50x37x1.5mm	each	10.10

Code No.	Description	Unit	Rate Rs.
9.56	Providing and fixing ISI marked, IS : 1341, M.S. heavy weight butt hinges with necessary screws etc. complete :		
	9.56.1 125x90x4.00 mm	each	53.50
	9.56.2 100x75x3.50 mm	each	32.50
	9.56.3 75x60x3.10 mm	each	20.60
	9.56.4 50x40x2.50 mm	each	13.10
9.57	Providing and fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete.		
	9.57.1 125x65x2.12 mm	each	31.40
	9.57.2 100x58x1.90 mm	each	23.70
	9.57.3 75x47x1.70 mm	each	18.60
	9.57.4 50x37x1.50 mm	each	10.90
9.58	Providing and fixing ISI marked oxidised M.S. pressed Parliamentary hinges with necessary screws etc. complete:		
	9.58.1 150x125x27x2.80 mm	each	55.40
	9.58.2 125x125x27x2.80 mm	each	52.30
	9.58.3 100x125x27x2.80 mm	each	42.60
	9.58.4 75x100x20x2.24 mm	each	36.50
9.59	Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc.complete:		
	9.59.1 150 mm	each	164.80
	9.59.2 125 mm	each	158.70
	9.59.3 100 mm	each	132.80
9.60	Providing and fixing oxidised M.S. double acting spring hinges with necessary screws etc. complete.		
	9.60.1 150 mm	each	164.80
	9.60.2 125 mm	each	158.70
	9.60.3 100 mm	each	132.80
9.61	Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary screws etc., complete.		
	9.61.1 Overall width 35 mm	m	134.20
	9.61.2 Overall width 50 mm	m	130.50
	9.61.3 Overall width 65 mm	m	145.10
9.62	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete :		
	9.62.1 300x16 mm	Each	166.10
	9.62.2 250x16 mm	Each	158.70
9.63	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:		
	9.63.1 250x10 mm	each	65.30
	9.63.2 200x10 mm	each	57.70
	9.63.3 150x10 mm	each	44.10
	9.63.4 100x10 mm	each	37.50
9.64	Providing and fixing ISI marked 85x42mm oxidised M.S. pull bolt lock conforming to IS : 7534 with necessary screws bolts, nut and washers etc. complete.	each	69.60
9.65	Providing and fixing ISI marked oxidised MS door latches conforming to IS : 5930 with screws etc.complete.		
	9.65.1 300x20x6 mm	each	67.80
	9.65.2 250x20x6 mm	each	58.00

Code No.	Description	Unit	Rate Rs.
9.66	Providing and fixing ISI marked oxidised M.S. handles conforming to IS :4992 with necessary screws etc. complete:		
	9.66.1 125 mm	each	27.70
	9.66.2 100 mm	each	23.90
	9.66.3 75 mm	each	22.60
9.67	Providing and fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete:		
	9.67.1 150 mm	each	22.40
	9.67.2 115 mm	each	18.80
	9.67.3 90 mm	each	15.70
9.68	Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc.complete.		
	9.68.1 300 mm weighing not less than 200 gms	each	32.70
	9.68.2 250 mm weighing not less than 150 gms	each	29.70
	9.68.3 200 mm weighing not less than 120 gms	each	27.30
9.69	Providing and fixing oxidised M.S. Safety chain with necessary fixtures for doors, (weighting not less than 450 gms).	each	79.60
9.70	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc.complete:		
	9.70.1 125x64x1.90 mm	each	61.80
	9.70.2 100X58X1.90 mm	each	54.40
	9.70.3 75x47x1.80 mm	each	35.90
	9.70.4 50x37x1.50 mm	each	23.30
9.71	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete:		
	9.71.1 125x64x2.50 mm	each	71.50
	9.71.2 100x60x2.50 mm	each	55.70
	9.71.3 75x50x2.50 mm	each	41.40
9.72	Providing and fixing bright finished brass butt hinges with necessary screws etc. complete:		
	9.72.1 125x85x5.5 mm (heavy type)	each	411.80
	9.72.2 125x70x4 mm (ordinary type)	each	137.10
	9.72.3 100x85x5.5 mm (heavy type)	each	359.90
	9.72.4 100x70x4 mm (ordinary type)	each	109.60
	9.72.5 75x65x4 mm (heavy type)	each	133.40
	9.72.6 75x40x2.5 mm (ordinary type)	each	69.90
	9.72.7 50x40x2.5 mm (ordinary type)	each	29.40
9.73	Providing and fixing bright finished brass parliamentary hinges with necessary screws etc. complete:		
	9.73.1 150x125x27x5mm	each	373.00
	9.73.2 125x125x27x5mm	each	330.30
	9.73.3 100x125x27x5mm	each	305.90
	9.73.4 75x100x20x3.2mm	each	232.00
9.74	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete:		
	9.74.1 250x10mm	each	301.50
	9.74.2 200x10mm	each	236.70
	9.74.3 150x10mm	each	194.00
	9.74.4 100x10mm	each	129.70

Code No.	Description	Unit	Rate Rs.
9.75	Providing and fixing bright finished brass door latch with necessary screws etc. complete:		
	9.75.1 300x16x5mm	each	216.50
	9.137.2 250x16x5mm	each	210.40
9.76	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	each	514.80
9.77	Providing and fixing bright finished brass 100 mm mortice latch with one dead bolt and a pair of lever handles of approved quality with necessary screws etc. complete	each	453.80
9.78	Providing and fixing bright finished brass night latch of approved quality including necessary screws etc. complete.	each	667.40
9.79	Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.		
	9.79.1 40 mm	each	148.60
	9.79.2 50 mm	each	154.70
	9.79.3 65 mm	each	160.80
	9.79.4 75 mm	each	185.20
9.80	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with	each	47.90
9.81	Providing and fixing bright finished brass handles with screws etc. complete:		
	9.81.1 125 mm	each	178.10
	9.81.2 100 mm	each	165.50
	9.81.3 75 mm	each	128.90
9.82	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc.	each	83.20
9.83	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	each	760.10
9.84	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	each	1064.70
9.85	Providing and fixing bright finished brass casement window fastener with necessary screws etc. complete.	each	69.10
9.86	Providing and fixing bright finished brass casement stays (straight peg type) with necessary screws etc. complete:		
	9.86.1 300 mm weighing not less than 330 gms	each	174.90
	9.86.2 250 mm weighing not less than 280 gms	each	142.40
	9.86.3 200 mm weighing not less than 240 gms	each	130.20
9.87	Providing and fixing bright finished brass hasp and staple (safety type) with necessary screws etc. complete:		
	9.87.1 150 mm	each	106.90
	9.87.2 115 mm	each	90.00
	9.87.3 90 mm	each	79.00

Code No.	Description	Unit	Rate Rs.
9.88	Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	each	722.30
9.89	Providing and fixing chromium plated brass night latch of approved quality including necessary screws etc. complete.	each	710.10
9.90	Providing and fixing special quality chromium plated brass cupboard locks with six levers of approved quality including necessary screws etc. complete.		
9.90.1	Size 40 mm	each	142.50
9.90.2	Size 50 mm	each	154.70
9.90.3	Size 65 mm	each	166.90
9.90.4	Size 75 mm	each	197.40
9.91	Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.	each	63.70
9.92	Providing and fixing chromium plated brass handles with necessary screws etc. complete:		
9.92.1	125 mm	each	220.80
9.92.2	100 mm	each	189.90
9.92.3	75 mm	each	165.50
9.93	Providing and fixing chromium plated brass casement window fastener with necessary screws etc. complete.	each	125.30
9.94	Providing and fixing chromium plated brass casement stays (straight peg type) with necessary screws etc. complete :		
9.94.1	300 mm weighing not less than 330 gms	each	192.40
9.94.2	250 mm weighing not less than 280 gms	each	168.00
9.94.3	200 mm weighing not less than 240 gms	each	149.70
9.95	Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :		
9.95.1	125x75x4 mm	each	106.40
9.95.2	125x63x4 mm	each	101.50
9.95.3	100x75x4 mm	each	90.30
9.95.4	100x63x4 mm	each	89.10
9.95.5	100x63x3.2 mm	each	87.90
9.95.6	75x63x4 mm	each	79.50
9.95.7	75x63x3.2 mm	each	75.90
9.95.8	75x45x3.2 mm	each	66.10
9.96	Providing and fixing aluminium sliding door bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete:		
9.96.1	300x16 mm	each	218.70
9.96.2	250x16 mm	each	182.00
9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with necessary screws etc. complete:		
9.97.1	300x10 mm	each	111.70
9.97.2	250x10 mm	each	93.40
9.97.3	200x10 mm	each	78.40
9.97.4	150x10 mm	each	64.70
9.97.5	100x10 mm	each	51.20

Code No.	Description	Unit	Rate Rs.
9.98	Providing and fixing aluminium pull bolt lock, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour and shade, with necessary screws bolts, nut and washers etc. complete.	each	69.60
9.99	Providing and fixing 50 cm long aluminium kicking plate of size 100x3.15 mm, anodised (anodic coating not less than grade AC 10 as per IS :1868), transparent or dyed to required colour or shade, with necessary screws etc. complete.	each	169.20
9.100	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete:		
	9.100.1 125 mm	each	69.40
	9.100.2 100 mm	each	54.60
	9.100.3 75 mm	each	46.30
9.101	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.		
	9.101.1 Single rubber stopper	each	35.00
	9.101.2 Twin rubber stopper	each	83.80
9.102	Providing and fixing aluminium casement stays, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.	each	70.30
9.103	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete .	each	766.90
9.104	Providing and fixing aluminium tee channels (heavy duty) with rollers & stop end in pelmets as curtain rod.	m	65.30

Code No.	Description	Unit	Rate Rs.
9.105	Providing and fixing partition upto ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/ sqm(both side inclusive), consisting of floor and ceiling channel 50 mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete.		
9.105.1	75 mm overall thickness partition with 12.5 mm thick double skin fire rated board conforming to IS:2095: part I	sqm	1203.60
9.105.2	75 mm overall thickness partition with 12.5 mm thick double skin tapered edged plain Gypsum board conforming to IS: 2095: part I	sqm	1032.90
9.105.3	66 mm overall thickness Partition with 8 mm thick double skin Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process with Compressive Strength 225 kg/sq cm, Bending Strength 100 kg/ sq cm	sqm	1516.30
9.105.4	66 mm overall thickness partition using 8 mm thick double skin non- asbestos multipurpose cement board reinforced with cellulose fibre manufactured through autoclaving process (High pressure steam cured) as per IS: 14862 with suitable fibre cement screws	sqm	1228.30
9.106	Providing and fixing PTMT handles with necessary screws etc. complete.		
9.106.1	125x34x24 mm weighing not less than 23 gms	each	40.60
9.106.2	150x34x24 mm weighing not less than 26 gms	each	45.50
9.107	Providing and fixing PTMT Butt hinges with necessary screws etc. complete.		
9.107.1	75x60x10 mm fitted with 5.5 mm dia M.S. Bright Bar Rod	each	60.80
9.107.2	100x75x10 mm fitted with 5.5 mm dia MS Bright Bar Rod	each	80.10

Code No.	Description	Unit	Rate Rs.
9.108	Providing and fixing PTMT Tower Bolts with 12 mm one piece rod inside and necessary screws etc.,		
	9.108.1 152x42x18 mm weighing not less than 60 gms	each	85.20
	9.108.2 202x42x18 mm weighing not less than 78 gms	each	105.10
9.109	Providing and fixing PTMT door catcher of length 72 mm and dia. of 42 mm with suitable washers weighing not less than 33 gms.	each	35.40
9.110	Providing and fixing Bamboo jaffery/ fencing consisting of superior quality 25 mm dia (Average) half cut bamboo placed vertically and fixed together with three numbers horizontal running members of hallock wood in scantling of section 50X25 mm, fixed with nails and G.I wire on existing support, complete as per direction of Engineer-in-Charge.	sqm	369.10
9.111	Providing and fixing wooden moulded corner beading of triangular shape to the junction of panelling etc. with iron screws, plugs and priming coat on unexposed surface etc. complete 2nd class teak wood.		
	9.111.1 50x50 mm (base and height)	m	174.30
9.112	Providing and fixing 2nd class teak wood lipping / moulded beading or taj beading of size 18X5 mm fixed with wooden adhesive of approved quality and screws / nails on the edges of the Pre-laminated particle board as per direction of Engineer-in-Charge.	m	50.00
9.113	Providing and fixing bright finished 100 mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door, with necessary screws etc complete as per direction of Engineerin- charge.	each	446.20
9.114	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete .		
	9.114.1 Triple strip vertical type	each	29.80
	9.114.2 Double strip (horizontal type)	each	23.70
9.115	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer-in-charge.	each set	195.60
9.116	Providing and fixing sliding arrangement in racks/ cupboards/cabinets shutter by with stainless steel rollers to run inside C or E aluminium channel section (The payment of C or E channel shall be made separately)	each	11.90
9.117	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance ± 1 mm), with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1 mm (± 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer-in-charge		
	9.117.1 Extruded section profile size 48x40 mm	m	201.00
	9.117.2 Extruded section profile size 42x50 mm	m	188.80

Code No.	Description	Unit	Rate Rs.
9.118	Providing and fixing to existing door frames.		
9.118.1	24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (± 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (± 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multichambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).	sqm	2731.90
9.118.2	30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-incharge.	sqm	2854.00

Code No.	Description	Unit	Rate Rs.
9.118.3	25 mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mm X 25 mm or less as per requirement with an average wall thickness of 1 mm (\pm 0.3 mm). PVC foam end cap of size 23x10 mm are provided on both vertical edges to ensure the overall thickness of 25 mm. An M.S. tube having dimensions 19 mm x 19 mm and 1.0 mm (\pm 0.1 mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25mm X 11 mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufacturer's specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places.	sqm	2731.90
9.119	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm,made out of extruded 5 mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos. of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge.	m	446.50
9.120	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S.frame shall have a coat of steel primers of approved make and manufacture . M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick,95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing		
9.120.1	30 mm thick plain PVC door shutters	sqm	2762.90
9.120.2	30 mm thick pre laminated PVC door shutters	sqm	3251.10

Code No.	Description	Unit	Rate Rs.
9.121	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat . Door frame laminate shall be 2 mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.	m	483.10
9.122	Providing and fixing to existing door frames.		
9.122.1	30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.	sqm	2396.60
9.122.2	30 mm thick Fiber glass Reinforced Plastic (F.R.P.) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings and polyurethane foam (PUF) / Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS: 14856, complete as per direction of Engineer-in-charge.	sqm	2762.90
9.123	Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 62 mm width & 32 mm thickness, frame will be mitred & Jointed with self driven self tapping screws of size 38 mm x 4 mm & PVC solvent cement , including fixing the frame to wall with suitable dia & length	m	373.20
9.124	Providing and fixing factory made 30 mm thick door shutter made of solid PVC foam profile. The styles & rails shall be of size 75 mm x 30 mm having wall thickness 5 mm. The styles, top & bottom rails shall have one side wall thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power. The styles and rails shall be reinforced with M.S. tubes of size 33 mm x 17 mm x 1mm, painted with primer, all four corners of reinforcement to be welded or sealed. Solid PVC extruded bidding (push fit type) will be set inside the styles and the rails with a cavity, to receive single piece extruded 5 mm PVC sheet as panel. The styles and rails will be mitred cut and joint with the help of PVC solvent cement & self driven self tapping screws. Single piece extruded solid PVC lock rail of size 100 mm x 30 mm with wall thickness 5 mm & 15 mm integrally extruded in the middle of the lock rail & fixed with styles with the help of PVC solvent cement & self driven self tapping screws of size 100 mm x 8mm complete as per manufacturer's specifications and direction of Engineer-in-charge.		
9.124.1	Non decorative finish	sqm	2711.60
9.124.2	Decorative finish (both side wood grained finish)	sqm	3373.20

Code No.	Description	Unit	Rate Rs.
9.125	Providing and fixing PVC rigid foam sheet 1 mm thick on existing door shutters (bathroom and W.C.doors) using synthetic rubber based adhesive.	sqm	647.60
9.126	Providing and fixing 12 mm thick panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick.		
9.126.1	Marine plywood conforming to IS : 710	sqm	1536.60
9.126.2	Fire retardant plywood conforming to IS : 5509	sqm	1580.30
9.127	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.		
9.127.1	1.5 mm thick	sqm	816.90
9.127.2	1.0 mm thick	sqm	669.10
9.128	Providing and fixing factory made Fiber glass Reinforced plastics (F.R.P.) chajja 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1 nos horizontally 50x2 mm thick M.S. flat with 12 mm in built hole for grouting on the existing wall along with the 50 mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings. The FRP Chajja should be manufactured using unsaturated Polyester resin as per IS : 6746, duly reinforced with fibre glass chopped strand mat (CSM) as per IS : 11551 complete with protective Gel coat U/V coating on Top for complete resistance from the extreme of temperature, weather & sunlight.	sqm	5040.70
9.129	Providing and fixing cup board shutters 25 mm thick, with Pre-laminated flat pressed three layer particle board or graded wood particle board IS : 12823 marked, exterior grade (Grade I Type II), having one side decorative lamination and other side balancing lamination, including IInd class teak wood lipping of 25 mm wide x12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge.	sqm	1596.50
9.130	Providing and fixing cup board shutters with 25 mm thick veneered particle board IS : 3097 marked, exterior grade (Grade I), of approved make including IInd class teak wood lipping of 25 mm wide x 12mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of Engineer-in-Charge.		
9.130.1	With decorative veneering on one side and commercial veneering on other side	sqm	1352.40
9.130.2	With non decorative veneering on both sides	sqm	1242.50

Code No.	Description	Unit	Rate Rs.
9.131	Providing and fixing factory made shutters of pre-laminated particle board flat pressed three layer or graded wood particle board with one side decorative finish and other side balancing lamination conforming to IS : 12823 Grade I Type II, of approved design, and edges sealed with water resistant paint and lipped with aluminium 'U' type edge beading all-round the shutter, including fixing with angle cleat, grip strip, cadmium plated steel screws, including fixing of aluminium hinges 100x63x4mm etc. complete as per architectural drawing and direction of Engineer-in-Charge (Cost of 'U'beading and hinges will be paid for separately).		
9.131.1	25 mm thick	sqm	1291.80
9.132	Providing and fixing aluminum U beading of required size to Pre laminated / flush door shutter, including fixing etc. complete as per direction of Engineer-in-Charge.	Per Kg	456.50
9.133	Providing and fixing, in position concealed G.I. section for wall paneling using board of required thickness fixed on the 'W' profile (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, placed @ 610 mm C/C in perimeter channel having one flange of 20 mm and another flange of 30 mm with thickness of 0.55 mm and web of length 27 mm.Perimeter channel is fixed on the floor and the ceiling with the nylon sleeves @ 610 mm C/C with fully threaded self-tapping dry wall screws. Board is fixed to the 'W' profile with 25 mm countersunk ribbed head screws @ 200 mm C/C., all complete as per the drawing & directions of engineer-incharge, the joints of the boards are finished with specially formulated jointing compound and 48 mm wide jointing tape to provide seamless finish.		
9.133.1	Tapered edge calcium silicate board made with calcareous & siliceous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with compressive strength 225 kg/sqcm, Bending strength 100 kg/sqcm.		
9.133.1.1	10 mm thick	sqm	892.10
9.133.2	Non-asbestos multipurpose cement board reinforced with cellulose fibre manufactured through autoclaving process (high pressure steam cured) as per IS :14862 with suitable fibre cement screw		
9.133.2.1	8 mm thick	sqm	704.00
9.133.3	Gypsum board conforming to IS: 2095 Part - I		
9.133.3.1	12.5 mm thick	sqm	596.60
9.134	Providing and fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws:		
9.134.1	35 mm thick shutters		
9.134.1.1	with ISI marked M.S. pressed butt hinges bright finished of required size		
9.134.1.1.1	Second class teak wood	sqm	3297.00
9.134.1.1.2	Kiln seasoned and chemically treated hollock wood	sqm	2295.40

Code No.	Description	Unit	Rate Rs.
9.134.1.1.3	Kiln seasoned selected class of sheesham wood	sqm	3100.30
9.134.1.2	With ISI marked stainless steel butt hinges of required size		
9.134.1.2.1	Second class teak wood	sqm	3402.50
9.134.1.2.2	Kiln seasoned and chemically treated hollock wood	sqm	2401.00
9.134.1.2.3	Kiln seasoned selected class of sheesham wood	sqm	3205.80
9.134.2	30 mm thick shutters	sqm	
9.134.2.1	with ISI marked M.S. pressed butt hinges bright finished of required size		
9.134.2.1.1	Second class teak wood	sqm	2959.00
9.134.2.1.2	Kiln seasoned and chemically treated hollock wood	sqm	2102.90
9.134.2.1.3	Kiln seasoned selected class of sheesham wood	sqm	2790.60
9.134.2.2	With ISI marked stainless steel butt hinges of required size		
9.134.2.2.1	Second class teak wood	sqm	3064.40
9.134.2.2.2	Kiln seasoned and chemically treated hollock wood	sqm	2208.40
9.134.2.2.3	Kiln seasoned selected class of sheesham wood	sqm	2896.10
9.135	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.50 mm all complete.		
9.135.1	With 2nd class teak wood beading 62X19 mm	sqm	1587.40
9.135.2	With 12 mm mild steel U beading	sqm	1302.10
9.136	Providing and fixing fire resistant door frame of section 143 x 57 mm having built in rebate made out of 16 SWG G.I.sheet (zinc coating not less than 120 gm/sqm) duly filled with vermiculite based concrete mix, suitable for mounting 60 minutes fire rated door shutters. The frame is fitted with intumescent fire seal strip of size 10x4 mm (minimum) around the frame and fixing with dash fastener of approved size and make, including applying a coat of approved brand fire resistant primer etc. complete as per direction of Engineer-in-charge (Dash fastener to be paid for separately).	m	1251.20
9.137	Providing and fixing 50 mm thick glazed fire resistant door shutters of 60 minutes fire rating conforming to IS:3614 (Part-II), tested and certified as per laboratory approved by Engineer-in-charge, with suitable mounting on door frame, consisting of vertical styles, lock rail, top rail 100 mm wide, bottom rail 200 mm wide, made out of 16 SWG G.I. sheet (zinc coating not less than 120 gm/ m2) duly filled FR insulation material and fixing with necessary stainless steel ball bearing hinges of approved make, including applying a coat of approved fire resistant primer etc. all complete as per direction of Engineer-incharge (panneling to be paid for separately).	sqm	6520.80
9.138	Providing and fixing glazing in fire resistant door shutters, fixed panels, ventilators and partitions etc.,with G.I. beading of appropriate size, made out of 20 SWG G.I.sheet (zinc coating not less than 120 gm/m2), fire resistant sealant, including applying a coat of approved fire resistant primer on G.I. beading etc., complete all as per direction of Engineer-in-charge.		
9.138.1	With clear fire resistant glass panes 6 mm thick of approved brand, having minimum 60 minutes fire resistance	sqm	28328.20

Code No.	Description	Unit	Rate Rs.
9.139	Providing and fixing panic bar / latch (Double point) fitted with a single body, Trim Latch & Lock on backside of the Panic Latch of reputed brand and manufacture to be approved by the Engineer- in- charge,all complete.	Each	6166.70
9.140	Providing and fixing plain lining with necessary screws/nuts &		
9.140.1	12 mm thick commercial ply conforming to IS : 1328 BWR type	sqm	892.90
9.141	Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm (± 0.2 mm), made out of single piece extruded PVC profile, with mitred cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm & self driven self tapping screws,the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x100 mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.	m	619.00
9.142	35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded soild PVC profiles, 5 mm (± 0.2 mm) thick, having styles & rails (except lock rail) of size 95 mmx 35 mm x 5 mm,out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitered cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner. Single piece extruded 5mm thick solid PVC Lock rail of size 115 mm x 35 mm x 35 mm, out of which 95 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel,all complete as per manufacturer's specification and direction of Engineer-in-charge.		
9.142.1	Non decorative finish (matt finish)	sqm	2710.50
9.142.2	Decorative finish (wood grained finish)	sqm	3320.80
9.143	Providing and Fixing factory made uPVC door frame, made of uPVC exturded sections, of size 65 mm x 55 mm with wall thickness 2.0 mm (± 0.2 mm) , corners of the door frame to be mitred cut and jointed with plastic brackets and stainless steel screws, reinforcing hinge side vertical of the frames with PVC profile of Size 28 mm x 30 mm having wall thickness 2 mm (± 0.2 mm), including providing & fixing 3 nos of 125 mm long stainless steel hinges to the frame, fixing the frame with jamb with required number & size of anchor dash fastners, all complete as per manufacturer's specification and direction of Engineer-in-charge.	m	420.80

Code No.	Description	Unit	Rate Rs.
9.144	Providing and fixing 37 mm thick factory made PVC door shutter, styles and rails made of PVC hollow section of size 100 mm x 37 mm with wall thickness 2 mm (± 0.2 mm), with inbuilt bead on one side, styles and rails mitered cut and joint at the corners by means of 2 nos of plastic brackets of size 75 mm PVC profile of size 28 mm x 30 mm, with wall thickness 2 mm (± 0.2 mm). Lockrail of size 100 mm x 37 mm, wall thickness 2 mm (± 0.2 mm) will be fixed to the vertical styles. Providing with PVC snapfit beads and panel of size 100 mm x 20 mm, and inserting 2 nos tie bar of 6 mm dia and fastening with nuts and washers complete, all as per manufacturer's specification and direction of Engineer-incharge.	sqm	2976.00
9.145	Providing and Fixing factory made PVC door frame made of PVC extruded sections of size 75 mm x 53 mm, having wall thickness 2.0 mm (± 0.2 mm). Both verticals sides of the frame reinforced with PVC profile of cross section size 28 mm x 30 mm x 2 mm thickness (± 0.2 mm) and 75 mm x 200 mm long, including reinforcing both ends of the top frame with PVC profile. PVC Door Frame and PVC reinforcement profile to be mitred cut jointed and fusion welded together, including providing and fixing 3 nos of 125 mm long stainless steel hinges to frame, fixing the frame with jamb with required nos & sizes of anchor dash fastener, all complete as per manufacturer's specification and direction of engineer-incharge.	m	445.20
9.146	Providing and fixing 37 mm thick factory made PVC Door shutter, styles and rails made of PVC hollow extruded printed and laminated section having overall dimension 115 mm x 37 mm with wall thickness 2 mm (± 0.2 mm) with inbuilt beading on one side, the styles and rails mitred cut and joint at corners by inserting 2 nos PVC profile reinforcement of size 75 mm x 200 mm long with cross section size of 28 mm x 30 mm having wall thickness 2 mm (± 0.2 mm). Styles, rails and reinforcements to be fusion welded together. Only hinge side vertical style to be reinforced with PVC profile reinforcement in full length. Printed and laminated PVC lock rail of size 110 mm x 37 mm having wall thickness 2 mm (± 0.2 mm) to be welded horizontally with the vertical styles after inserting PVC profile reinforcement as in styles and rails, providing with PVC snap fit beading, panels of 100 x 20 mm printed & laminated and inserting 2 nos 6 mm dia bright steel rod horizontally with both side threaded and tightened with check nuts and washers complete, all as per manufacturer's specification and direction of engineer-incharge.	sqm	3098.10

Code No.	Description	Unit	Rate Rs.
9.147	Providing and Fixing factory made uPVC white colour casement/sliding window/ door, made of extruded profiles. Profiles of frames and sash will be mitered cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanised steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all complete as per direction of Engineer-in-charge (Glazing, hardware hinges and fitting etc. to be paid separately). Note:- Each member of window to be measured separately with clear length.		
9.147.1	Casement Window (Outward/Inward opening) with hinge System		
9.147.1.1	Frame (50 mm x 50 mm)	m	395.50
9.147.1.2	Sash (Style and Rail) (62 mm x 34 mm)	m	376.20
9.147.1.3	Mullion (intermediate Section) (66 mm x 50 mm)	m	421.10
9.147.1.4	'T' Profile (one vertical length in between two shutters) (24 mm x 34.5 mm)	m	92.00
9.147.1.5	Glazing bead (12 mm x 18 mm)	m	124.00
9.147.2	Casement Window (With friction hinge & outward opening)		
9.147.2.1	Casement Frame (67 mm x 62 mm)	m	453.10
9.147.2.2	Casement Window Sash/Mullion (67mm x 75mm) (style, rail and intermediate section)	m	491.60
9.147.2.3	Casement Glazing bead (35 mm x 18 mm)	m	168.90
9.147.3	Sliding Window (Two Track, 2/4 Shutters)		
9.147.3.1	Two Track Sliding Frame (67 mm x 52 mm)	m	540.40
9.147.3.2	Sliding window Sash (60 mm x 44 mm)	m	503.20
9.147.3.3	Sliding Interlock for Window (one vertical length in each shutter)(45.5 mm x 28 mm)	m	132.10
9.147.3.4	Sliding Glazing bead (35 mm x 18 mm)	m	168.90
9.147.4	Sliding Door (Two Track, 2/4 Shutters)		
9.147.4.1	Two Track Sliding Frame (67 mm x 52 mm)	m	518.70
9.147.4.2	Sliding Door Sash (80 mm x 44 mm)	m	634.90
9.147.4.3	Sliding Interlock for Door (one vertical length in each shutter) (45.5 mm x 28 mm)	m	132.10
9.147.4.4	Sliding Glazing bead (35 mm x 18 mm)	m	168.90
9.148	Providing and fixing stainless steel (SS-304 grade) friction hinges to the side/ top hung uPVC windows,of approved quality, with necessary stainless steel screws etc. as per direction of Engineer-incharge.		
9.148.1	200 x 19 x 1.9 mm	each	290.20
9.148.2	250 x 19 x 1.9 mm	each	363.50
9.148.3	300 x 19 x 1.9 mm	each	461.10
9.148.4	350 x 19 x 1.9 mm	each	522.10
9.148.5	400 x 19 x 1.9 mm	each	656.40

Code No.	Description	Unit	Rate Rs.
9.149	Providing and fixing casement handle made of zinc alloyed (white powder coated) for uPVC casement window with necessary screws etc. complete.	each	200.50
9.150	Providing and fixing zinc alloyed (white powder coated) touch lock for uPVC sliding window with necessary screws etc. complete.	each	139.50
9.151	Providing and fixing steel roller for uPVC sliding window with necessary screws etc. complete.	each	66.20
9.152	Providing and fixing steel roller for uPVC sliding door with necessary screws etc. complete.	each	108.90
9.153	Providing and fixing steel (white power coated) crescent lock for uPVC sliding window/ door with necessary screws etc. complete.	each	127.30
9.154	Providing and fixing frame work for partitions/ wall lining etc. made of 50x50x1.6 mm hollow MS tube, placed along the walls, ceiling and floor in a grid pattern with spacing @bolt, including making provision for opening for doors, windows, electrical conduits, switch boards 60 cm centre to centre both ways (vertically & horizontally) or at required spacing near opening, with necessary welding at junctions and fixing the frame to wall/ ceiling/ floors with steel dash fasteners of 8 mm dia, 75 mm long etc., including providing with two coats of approved steel primer etc. complete, all as per direction of Engineer-in-charge.	Per Kg	1063.30
9.155	Providing and fixing panelling or paneling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel grooves or rebated to be measured). Panelling for panelled and glazed shutters 25mm to 40mm inserts excluding portion inside thick:Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587	sqm	1326.00
9.156	Providing and fixing Pre -laminated medium density fibre board exterior grade (Grade-I) IS:14587:1998 marked, to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately).		
9.156.1	Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587	sqm	970.80
9.156.2	Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 18 mm thick confirming to IS:14587	sqm	1268.20
9.157	Providing and fixing Pre-laminated medium density fibre board IS: 14587:1998 marked, with one side decorative lamination other side balancing lamination Grade-I(exterior grade) in shelves with screws and fittings wherever required, edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand (fittings to be paid separately).		
9.157.1	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	1385.10
9.157.2	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	1820.80

Code No.	Description	Unit	Rate Rs.
9.158	Providing and fixing in wall lining medium density fibre board IS: 14587:1998 marked, Pre-laminated one side decorative lamination and other side balancing lamination, with necessary fixing arrangement and screws etc. complete.		
	9.158.1 12 mm thick.	sqm	1008.40
	9.158.2 18 mm thick.	sqm	1303.10
	9.158.3 25 mm thick.	sqm	1756.20
9.159	Providing and fixing 25mm thick pre-laminated medium density fibre board exterior grade (Grade-I) IS:14587:1998 marked one side decorative and other side balancing lamination for cupboard shutters edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand including ISI marked nickeled plated bright finishing M.S. piano hinges IS:3818 marked with necessary screwed complete.	sqm	1844.60
9.160	Providing and fixing skirting with Pre-laminated medium density fibre board exterior grade (Grade-I) IS: 14587:1998 marked, (one side decorative and other side balancing lamination) with necessary fixing arrangements and screws, including drilling necessary holes for rawl plugs etc. and edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand complete.		
	9.160.1 18 mm thick.	sqm	1675.50
	9.160.2 25 mm thick.	sqm	2128.70

SUB HEAD : 10.0
STEEL WORK

BUILDING WORK - Contd.

10.0 Steel Work

Code No.	Description	Unit	Rate Rs.
10.1	Structural steel work in singal section fixed without connecting plate including cutting,hoisting,fixing in position and applying a priming coat of approved steel primer all complete.	kg	59.20
10.3	Structural steel work riveted or bolted in built up sections, trusses and framed work, including cutting,hoisting,fixing in position and applying a priming coat of approved ateeef primer all complete.	kg	69.20
10.5	Providing and fixing in position collapsible steel shutters with vertical channes 20x10x2 mm and braced with flat iron diagonals 20x5 mm size with top and bottom rail of T-tron 40x40x6 mm with 40 mm dia steel pulleys complete with bots.nuts locking arrangement stoppers handies including applying a priming coat of approved steel primer.	sqm	4248.20
10.6	Providing and fixing 1 mm thick M.S.sheet sliding - shutters with frame and diagonal braces of 40x40x6 mm angle iron,3 mm M.S. gusset plates at the junction and corners, 25 mm dia pulley, 40x40x6 mm angle and T-iron guide at the top bottem respectively including applying a priming coat of approved steel primer.	sqm	2986.70
10.7	Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3mm MS gusset plates at the junction and corners.all necessary fittings completeincluding applying a priming coat of approved steel primer.	sqm	2617.00
	10.7.1 Using flats 30x6 mm for diagonal braces and central cross piece.	sqm	2503.00
10.8	Supplying and fixing-rolling shuters of approved make.made of required size of M.S.laths inter locked together through their intire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arragements for inside and outside locking with push and pull operation complete including the cost of prioviding and fixing necessary 27.5 cm long wire springs grade no. 2 and M.S. top cover of required thickness for rolling shutters.		
10.8.1	80x1.25mmM.S. Laths with 1.25mm thick top cover.	sqm	2052.00
10.8.2	80x1.20mm thick M.S. laths with 1.20 mm thick top cover.	sqm	1828.20
10.8.3	80x0.90 mm thick M.S. laths with 0.90 mm thick top cover.	sqm	1730.60
10.9	Providing and fixing ball bearing for rolling shutters	sqm	458.40
10.1	Extra for providing mechanical device chain and crank operation for operating rolling shutters:		
10.10.1	Exceeding 10.00 sqm and upto 16.80 sqm in area (say average 14 sqm)	sqm	699.30
10.10.2	Exceeding 16.80 sqm in area	sqm	735.90
10.10A	Extra for providing grilled rolling shutters manufactured out of 8 mm dia. M.S. bar instead of laths as per design approved by Engineer-in-charge (area of grill to be measured.)	sqm	329.60

Code No.	Description	Unit	Rate Rs.
10.11	Fixing standard steel glazed doors, windows and ventilators in walls with 15x3 mm lugs 10 cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6(1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required , including fixing of glass panes with glazing clips and special metal-sash putty of approved make, or metal beading with screws for steel windows with lugs, glass panes screws, shall be supplied by department free of cost)	Kg	29.80
10.11.1	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately).	kg	15.70
10.12	Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitered and welded with 15x3 mm lugs 10 cm long with steel lugs embedded in cement concrete blocks 15x10x10 cm of 1:3:6(1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal-sash putty of approved make complete including applying a priming coat of approved steel primer; excluding the cost of metal beading and other fitting except		
10.12.1	Doors	sqm	2843.00
10.13	Extra for providing and fixing steel beading of approved shape and section with screws instead of glazing clips and met. Sash putty in steel doors, windows, Ventilators and composite units.		
10.13A	Steel doors.	sqm	278.00
10.13B	Steel windows	sqm	332.00
10.13C	Steel ventilators	sqm	338.80
10.14.1	Providing and fixing T-iron frames for doors. windows and ventilators of mild steel Tee-sections, joints mitered and welded with 15x3 mm lugs 10 cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required including	kg	73.50
10.14.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately).	kg	70.90
10.15	Providing and fixing pressed steel door conforming IS code 4351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50 x 25 mm or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge:		
10.15.1	Profile B	metre	365.10

Code No.	Description	Unit	Rate Rs.
10.15	10.15.1 Profile B	metre	365.10
	10.15.2 Profile C	metre	389.60
	10.15.3 Profile E	metre	426.20
10.16	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete:		
	10.16.1 Hot finished welded type tubes	kg	92.30
	10.16.2 Hot finished seamless type tubes	kg	109.00
	10.16.3 Electric resistance or induction butt welded tubes	kg	115.40
10.17	Providing and fixing M.S. fan clamp type I or II of 16 mm dia. M.S. bar bent to shape with hooked ends in R.C.C slabs during laying including painting the exposed portion of loop, all as per standard design complete.	each	97.00
10.17	Providing and fixing circular/hexagonal cast iron or M.S. sheet box for ceiling fan clamp 140 mm internal dia, 73 mm height, 5 mm thick rim bottom and top lids, 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding top lid shall be screwed into the cast iron box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamps shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.	each	124.50
10.19	Providing and fixing M.S. round holding down bolts with nuts and washer plates complete.	kg	73.60
10.20(a)	providing and fixing bolts upto 300 mm in length	kg	89.00
10.20(b)	providing and fixing bolts above 300 mm in length	kg	68.72
10.21	Providing and fixing M.S. rivets of sizes in position.	kg	113.70
10.22(a)	Welding by gas plant including transportation of gas	cm	3.00
10.22(b)	Welding by electric plant including transportation of electric welding plant at site etc. complete.	cm	2.70
10.28	Providing and fixing bright finished brass casement window fasteners of minimum weight 200 gms to side hung steel windows with necessary welding and machine screws etc. complete.	each	71.30
10.29	Providing and fixing bright finished brass peg stays 300 mm long of minimum weight 330 gms. to side hung steel windows with necessary welding and machine screws etc. complete.	each	175.10
10.30	Providing and fixing bright finished brass peg stays to steel ventilators with necessary welding and machine screws etc. complete.		
	10.30.1 300 mm long of minimum weight of 330 grams.	each	175.10
	10.30.2 250 mm long of minimum weight of 240 grams.	each	144.50
10.31	providing and fixing 14 mm bright finished brass	each	223.90
10.32	Steel work welded in built up sections/framed work including cutting hoisting, rixing in position and applying a priming coat of approved steel primer using structural steel, etc. as required.		
	10.32.1 In stringers, treads landings etc. of stair cases including use of required plates wherever required all complete.	kg	66.10
	10.32.2 In gratings, frames, guard bar, ladders, railings, brackts. gates & similar works.	kg	76.70

Code No.	Description	Unit	Rate Rs.
10.33	Providing and fixing hand rail by welding etc. to steel ladder railings & staircases railing including applying a priming coat of approved steel primer		
10.33.1	MS tube (medium) 40mm nominal bore	kg	90.70
10.33.2	E.R.W tube 40 mm nominal dia	kg	119.70
10.33.3	G.I pipes 40 mm nominal bore (class B)	kg	102.40
10.33.4	Labour for fitting and fixing barbed wire fencing in six rows horizontal up to a height of 1.85m and two diagonals including fixing of post in cement concrete at 2.5m centres including cost of staples (but excluding the cost of cement concrete, angle, iron post, its cutting and making holes, nuts & bolts) all complete as per building specification and direction of E/I.	Per m	43.80
10.33.5	Labour for fitting and fixing barbed wire fencing in FOUR rows horizontal up to a height of 1.25m and two diagonals including fixing of post in cement concrete at 2.5m centres including cost of staples (but excluding the cost of cement concrete, angle, iron post, its cutting and making holes, nuts & bolts) all complete as per building specification and direction of E/I.	Per m	30.80
10.33.6	Drilling 6mm Dia. In M.S. angle iron for fixing of staples etc. as per building specification and direction of E/I.	Each	5.30
10.33.7	Labour for cutting of M.S. angle iron post to required length, one end splitted as fish tailed in a length of 150mm complete as per building specification and direction of E/I.	Each	16.50
10.35	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm ²), counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve,including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.		
10.35.1	10 x60 mm.	each	53.90
10.35.2	10 x80 mm.	each	59.20
10.35.3	10 x120 mm.	each	73.20
10.35.4	10 x140 mm.	each	83.70
10.35.5	10 x160 mm.	each	103.70
10.36	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes,channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.).	kg	623.90
10.37	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete.		
10.37.1	Galvanised M.S. Wire gauze with 0.63 mm dia wire and 1.4 mm aperture on both sides.	sqm	341.70
10.37.2	Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides.	sqm	984.40

Code No.	Description	Unit	Rate Rs.
10.38	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows all complete with.		
10.38.1	4.0 mm thick glass panes.	sqm	741.70
10.38.2	5.5 mm thick glass panes.	sqm	970.00
10.39	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side / top / centre hung, with beading and all members such as F7D, F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment).		
10.39.1	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	kg	101.30
10.39.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately).	kg	71.60
10.40	Extra for providing and fixing steel beading of size 10 x 10 x 1.6 mm (box type), approved shape and section with screws instead of glazing clips and metal sash putty, in steel doors, windows, ventilators and composite units.	metre	37.70
10.41	Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of		
10.41.1	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate	kg	212.30
10.41.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately).	kg	206.00
10.42	Providing and fixing bolts including nuts and washers complete.	kg	89.70
10.43	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 (2.5 mm 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)	metre	289.50

SUB HEAD : 11.0
FLOORING

BUILDING WORK - Contd.

11.0 Flooring

Code No.	Description	Unit	Rate Rs.
11.1	Brick on edge flooring with bricks of class designation 100A including cement slurry etc. complete in cement mortar.		
11.1.1	1:4 (1 cement: 4 coarse sand)	sqm	618.60
11.1.2	1:6(1 cement:6 coarse sand)	sqm	577.30
11.3	Cement concrete flooring 1:2:4(1 cement:2 coarse:sand:4 graded stone agregate) finished with a floating coat of neat cement including cement slurry, etc. but excluding the cost of nosing of steps etc. complete.		
11.3.1	40 mm thick with 20 mm nominal size stone aggregate	sqm	245.70
11.4	52 mm thick cement concrete flooring with metallic concrete hardener topping under layer 40 mm thick cement concrete 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick metallic concrete hardener consisting of mix 1:2 (1 cement hardener mix:2 stone aggregate 6 mm nominal size) by volume @ 2 liter per 50 kg of cement or as per manufacture specification. This includes cost of cement slurry, etc. but excluding the cost of nosing of steps etc. complete.	sqm	383.50
11.5	62 mm thick cement concrete flooring with metallic concrete hardener topping under layer 50 mm thick cement concrete 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size) and top layer 12mm thick metallic cement hardener consisting of mix 1:2(1 cement hardener mix:2 stone aggregate 6 rrr.. ominal size) by volume hardning compound is mixed @ 2 liter per 50 kg of cement or as per manufacture specification. This includes cost of cement slurry, etc. but excluding the cost of nosing of steps etc. complete.	sqm	420.60
11.6	Cement plaster skirting (upto 30 cm hieght) with cement mortar 1:3 (1 cement:3 coarse sand) finished with a floating coat of neat cement.		
11.6.1	18 mm thick	sqm	237.29
11.7	Cement concrete pavement with 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size) including finishing complete.	cum	4743.80
11.8	Extra for making chequers of approved pattern on cement concrete floors, steps, landing, pavemerts etc.	sqm	22.00
11.9	40 mm thick marble chips flooring rubbed and polished to granolithic finish, under layer 34 mm thick cement concrete 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 12.5 mm nominal size) and top layer 6 mm thick with white, blacm, chocolate, grey, yellow or Baroda green marble chips of sizes form 1 mm to 4 mm nominal size laid in cement marble powder mix 3:1(3 cement: 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix:7 marble chips) by volume including cement slurry etc. complete.		
11.9.1	Dark shade pigment with ordinary cement	sqm	446.60
11.9.2	Light shade pigment with white cement	sqm	493.60
11.9.3	Medium shade pigment with 50% white cement and 50% ordinary cement.	sqm	470.10
11.9.4	White cement without any pigment	sqm	475.90
11.9.5	Light shade pigment with ordinary cement.	sqm	453.50
11.9.6	Ordinary cement without any pigment	sqm	427.40

Code No.	Description	Unit	Rate Rs.
11.10	40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 31 mm thick cement concrete 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 12.5 mm nominal size) and top layer 9 mm thick with white, black.chocolate, grey, yellow or Baroda green marble chips of sizes from 4 mm to 7 mm nominal size laid in cement marble powder mix 3:1 (3 cement:1 marble powder) by weight in proportion of 4:7(4 cement marble powder mix:7 marble chips) by volume including cement slurry etc. complete.		
11.10.1	Dark shade pigment with ordinary cement	sqm	461.60
11.10.2	Light shade pigment with white cement	sqm	528.70
11.10.3	Medium shade pigment with 50% white cement and 50% ordinary cement	sqm	495.20
11.10.4	White cement without any pigment	sqm	505.90
11.10.5	Light shade pigment with ordinary cement	sqm	471.50
11.10.6	Ordinary cement without any pigment	sqm	443.20
11.11	40 mm thick marble chips flooring,rubbed and polished to granolithic finish, under layer 28 mm thick cement concrete 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 12.5 mm nominal size) and top layre 12 mm thick with white, balck, chocolate, grey, yellow or Baroda gren marble chips of sizes for 7 mm to 10 mm nominal size laid in cement marble powder mix 3:1(3 cement :1 marble powder mix :3marble chips) by volume including cement slurry etc. complete.		
11.11.1	Dark shade pigment with ordinary cement	sqm	488.20
11.11.2	Light shade pigment with white cement	sqm	582.20
11.11.3	Medium shade pigment with 50% white cement and 50% ordinary cement	sqm	546.60
11.11.4	White cement without any pigment	sqm	542.90
11.11.5	Light shade pigment with ordinary cement	sqm	580.90
11.11.6	Ordinary cement without any pigment	sqm	462.70
11.12	Marble chips skirting (up to 30 cm height) rubbed and polished to granolithic finish, top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4mm nominal size laid in cement marble powder mix 3:1 (3 cement: 1 marble powder) by weight in proportion of 4:7 94 cement marble powder mix: 7 barbie chips) by volume:		
11.12.1	18 mm thick with under layer 12 mm thick in cement plaster 1:3 (1 cement : 3coarse sand).	sqm	572.30
11.12.2	21 mm thick with under layer 15 thick cement plaster 1:3(1 cement:3 coarse sand)		
11.12.2.1	Dark shade pigment with ordinary cement	sqm	584.40
11.12.2.2	Light shade pigment with white cement	sqm	631.40
11.12.2.3	Medium shade pigment with 50 % white cement and 50% ordinary cement	sqm	607.90
11.18.2.4	White cement without any pigment	sqm	588.10
11.12.2.5	Light shade pigment with ordinary cement	sqm	591.30
11.12.2.6	Ordinary cement without any pigment	sqm	603.60
11.13	Providing and fixing glass strips in joints of terrazo/cement concrete floors.		
11.13.1	40 mm wide and 4 mm thick	meter	28.40

Code No.	Description	Unit	Rate Rs.
11.14	Extra for laying terrazo flooring on stair case treads not exceeding 30cm in width including cost of forming, nosising etc.	sqm	23.70
11.15	Crazy marble stone flooring, including filling the gaps with light shade pigment with white cement marble powder mixture (3 parts of white cement : 1 part of marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7white, black or white and black marble chips of sizes from 1 mm to 4 mm nominal size by volume), with under layer 25 mm thick cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size), including rubbing, polishing and cement slurry etc. complete.		
	11.15.1 18 mm thick crazy marble stone white, black or as specified.	sqm	760.20
11.16	Precast terrazo tiles 22 mm thick with marble chips of sizes upto 12 mm laid in floors and landings jointed with neat cement slurry mixed with pigment to match the shade of the tiles; including rubbing and polishing complete with precast tiles on 20 mm thick bed of cement mortar 1:4(1 cement:4 coarse sand)		
	11.16.1 Light shade using white cement	sqm	821.20
	11.16.2 Medium shade using 50% white cement and 50% ordinary cement	sqm	768.80
	11.16.3 Dark shade using ordinary cement	sqm	636.20
	11.16.4 Ordinary cement without any pigment	sqm	604.60
11.17	Extra if terrazo tiles are laid in treads of steps not exceeding 30 cm in width	sqm	31.00
11.18	Precast terrazo tiles 22 mm thick with marble chips of sizes upto 12 mm in skirting and risers of steps not exceeding 30 cm in height, on 12 mm thick cement plaster 1:3 (1 cement:3 coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete with tiles of		
	11.18.1 Light shade using white cement	sqm	1008.00
	11.18.2 Medium shade using 50% white cement and 50% ordinary cement	sqm	937.70
	11.18.3 Dark shade using ordinary cement	sqm	871.40
	11.18.4 Ordinary cement without any pigment	sqm	839.80
11.19	Chequered terrazo tiles 22 mm thick with marble chips of sizes upto 6 mm in floors jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete on 20 mm thick bed of cement mortar 1:4 (1 cement:4 coarse sand)		
	11.19.1 Light shade using white cement	sqm	908.50
	11.19.2 Medium shade using 50% white cement and 50% ordinary	sqm	829.30
	11.19.3 Dark shade using ordinary cement	sqm	752.50
	11.19.4 Ordinary cement without pigment	sqm	720.90
11.20	Chequered precast cement concrete tiles 22 mm thick with marble chips of size 6 mm in footpath & courtyard jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning etc. Complete on 20 mm thick bed of cement mortar 1:4(1 cement:4 coarse sand)		
	11.20.1 Light shade using white cement	sqm	1043.20

Code No.	Description	Unit	Rate Rs.
11.20	11.20.2 Medium shade using 50% white cement 50% grey cement	sqm	861.70
	11.20.3 Dark shade using ordinary cement	sqm	642.00
	11.20.4 Ordinary cement without any pigments	sqm	610.30
11.21	Providing and fixing 10 mm thick acid and / or alkali resistant tiles of approved make and colour using acid and / or alkali resisting mortar bedding, and joints filled with acid and / or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in-Charge.		
	11.21.1 In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand).		
	11.21.1.1 Acid and alkali resistant tile.	sqm	1189.50
	11.21.2 In dado/skirting on 12 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand).		
	11.21.2.1 Acid and alkali resistant tile.	sqm	1236.40
11.22	Tile work in skirting, risers of steps and dado(upto 2m height) over 12 mm thick bed of cement mortar 1:3(1 cement;3 coarse sand) and jointed with grey cement slurry@ 3.3 kg/sqm including pointing in .white cement mixed with pigment of matching shade complete.		
	11.22.1 Marble tiles (polished) Raj nagar 8 mm thick	sqm	1098.80
11.23	Marble stone flooring with 18 mm thick marble stone (sample of marble shall be approved by Engineer-in-charge) over 20 mm (average) thick base of cement mortar 1:4 (1 cement: 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with:		
	11.23.1 Makrana white second quality.	sqm	3169.40
	11.23.2 Rajnagar plain white marble 18mm thick above 0.10 sqm upto 0.20 sqm	sqm	1456.70
	11.23.2.1 Rajnagar plain white marble 18mm thick above 0.20 sqm upto 0.50 sqm	sqm	1597.10
	11.23.4 Black Zebra marble	sqm	1246.10
	11.23.5 Udaipur green marble	sqm	1512.90
	11.23.6 Pink marble	sqm	1449.70
11.24	Extra for nosing in marble stone for treads	sqm	185.80
11.25	Extra for marble stone flooring in treads of steps. Not exceeding 30 cm in width.	sqm	220.80
11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete . Base with 1:1:1 (1 lime : 1 surkhi: 1 coarse sand) / 1:4 (1 cement: 4 coarse sand)		
	11.26.1 20 to 25 mm thick -	sqm	998.30
11.27	Kota stone slabs 20 mm thick in risers of steps skirting. Dado & pillars laid on 12 mm (average (thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete. Details of cost for 10 sqm	sqm	973.00
	SAND STONE FLOORING		
11.28	Supplying sand stone 40 mm thick for flooring ,carriage to site and rough chisel dressing		
	11.28.1.1 Red sand stone	sqm	287.30
	11.28.1.2 white sand stone	sqm	314.20

Code No.	Description	Unit	Rate Rs.
11.28A.	40 mm thick rough chisel dressed stone flooring over 20 mm (average) thick base with joint base 1:1:1 (1 lime : 1 Surkhi : 1 coarse sand) or 1:5 (1 cement : 5 coarse sand) finished flush.		
	11.28A.1 Red sand stone	sqm	559.20
	11.28A.2 White sand stone	sqm	586.10
11.29	40 mm thick rough chisel dressed stone flooring over 20 mm (average) thick base including pointing with C.M 1:2 (1 cement :2 stone dust) with an admixture of pigment to match the shade of the stone with base 1:1:1 (1 lime : 1surkhi : coarse sand or 1:5 (1 cement : 5 coarse sand)		
	11.29.1 Red sand stone	sqm	584.20
	11.29.2 white sand stone	sqm	611.10
11.30	40 mm thick fine dressed stone flooring over 20 mm (average) thick base with joint finished flush:base 1:5 (1 cement: 5 coarse sand)		
	11.30.1 Red sand stone	sqm	577.40
	11.30.2 White sand Jtone	sqm	604.20
11.31	Extra for pre finished nosing in treads of steps of Kota stone / sand stone slab.	m	49.00
11.32	Extra for Kota stone / sand stone in treads of steps and risers using single up to 1.05 metre.length	sqm	10.70
11.33	25 mm wooden planking, tongued and grooved in flooring including fixing with iron screws complete .		
	11.33.2 2nd class teak wood	sqm	3298.10
11.34	38 mm thick parquet (wood block) flooring of 1st class teak wood laid over 25 mm thick levelling layer of cement concrete 1:2:4(1 cement:2 coarse sand:4 store aggregate 10 mm nominal size) to be paid separately coated with a thin layer of hot bitumen (blown type) @ 2.45 kg per sqm. including fixing blocks in position after dipping in hot bitumen (blown type) upto half depth,planed,levelled smooth and finished complete.	sqm	5974.00
11.35	Providing and fixing M.S. angle 50x50x5 mm to act as nosing with tugs of M.S. flat 10x5 mm 10 cm long forked at end 60 cm apart (minimum 3 lugs to be provided) including necessary welding and applying a priming coat of approved primer on exposed surfaces etc. complete	kg	75.20
11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	766.30
11.37	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of ist quality conforming to IS : 15622 of approved make in colours such as white , Ivory , Grey , Fume Red , Brown, laid on 20 mm thick Cement motar 1:4 (1 cement: 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	sqm	799.40

Code No.	Description	Unit	Rate Rs.
11.38	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of ist quality conforming to IS : 15622 of approved make in colours such shades except white , Ivory , Grey , Fume Red , Brown , laid on 20 mm thick Cement motar 1:4 (1 cement: 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	sqm	812.20
11.39	Providing and laying Ceramic glazed floor tiles 400x400 mm (thickness to be specified by the manufacturer) of 1 st quality conforming to IS : 13755 of NITCO , ORIENT , SOMANY , KAJARIA or equivalent make in colours such as white , Ivory , Grey , Fume , Red , Brown , laid on 20 mm thick cement motar 1:4 (1 cement: 4 Coarse sand) including grouting the joints with white cement and matching pigments etc, complete.	sqm	1226.50
11.40.	Providing and laying Ceramic glazed floor tiles 400x400 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 13755 of NITCO , ORIENT , SOMANY , KAJARIA or equivalent make in colours except white , Ivory , Grey , Fume , Red , Brown , laid on 20 mm thick cement motar 1:4 (1 cement: 4 Coarse sand) including grouting the joints with white cement and matching pigments etc, complete.	sqm	1264.90
11.41	Providing and laying vitrified floor tiles in different sizes {thickness to be specified by the manufactruer) with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joint with white cement and matching pigments etc., complete.		
1.1.41.1	Size of Tile 50x50 cm.	sqm	1521.30
11.41.2	Size of Tile 60x60 cm	sqm	1694.30
11.41.3	Size of Tile 80x80 cm	sqm	1957.10
11.41.4	Size of Tile 100x100 cm	sqm	2681.20
11.42	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles.	sqm	357.10
11.43	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3 mm thickness.	sqm	359.4
11.44	Crazy ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 grams per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement , all complete as per direction of Engineer-in-charge.	sqm	322.1
11.45	Providing and laying 500x500x40 mm thick Turf paver (Turfpave XD) on 150 mm thick sub grade of compacted bed of 20 mm thick nominal size stone aggregate and base course and filling with 150 mm thick jamuna sand, including spreading, well ramming, consolidating and finishing smooth etc. all complete as per direction of Engineer-in-charge.	sqm	1550.1

Code No.	Description	Unit	Rate Rs.
11.46	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete.		
11.46.1	Size of Tile 500 x 500 mm.	sqm	1234.7
11.46.2	Size of Tile 600 x 600 mm.	sqm	1403.6
11.46.3	Size of Tile 800 x 800 mm.	sqm	1660.1
11.46.4	Size of Tile 1000 x 1000 mm.	sqm	2367
11.47	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).		
11.47.1	Size of Tile 500 x 500 mm.	sqm	1417.8
11.47.2	Size of Tile 600 x 600 mm.	sqm	1586.7
11.47.3	Size of Tile 800 x 800 mm.	sqm	1843.2
11.47.4	Size of Tile 1000 x 1000 mm.	sqm	2550.2
11.48	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling/ grouting and finishing complete as per direction of Engineer-in-charge.		
11.48.1	Size of Tile 500x500 mm.	sqm	199.40
11.48.2	Size of Tile 600 x 600 mm.	sqm	169.00
11.48.3	Size of Tile 800 x 800 mm.	sqm	138.70
11.48.4	Size of Tile 1000 x 1000 mm.	sqm	102.10
11.49	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622 , of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).		
11.49.1	Size of Tile 500 x 500 mm.	sqm	1375.90
11.49.2	Size of Tile 600 x 600 mm.	sqm	1544.80
11.49.3	Size of Tile 800 x 800 mm.	sqm	1801.30
11.49.4	Size of Tile 1000 x 1000 mm.	sqm	2508.20
11.50	Deduct for not grouting the joints with white cement and matching pigment in the items of fixing of vitrified tiles.	sqm	8.50

Code No.	Description	Unit	Rate Rs.
11.51	Providing and laying machine cut, mirror polished, Italian Marble stone flooring laid in required pattern in linear portion of the building all complete as per architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.		
	a. 18 mm thick Italian Marble stone slab,Perlato, Rosso verona, Fire Red or Dark Emperadore etc.	sqm	5245.90
11.52	Providing and laying machine cut, mirror polished Marble stone flooring, in required design (Simple geometrical, abstract etc.) and in patterns in combination with Italian marble stones of different colours, shades and finished surface texture etc., in linear portions of the building, all complete as per the shades and finished surface texture etc., in linear portions of the building, all complete as per the architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.		
	a. 18 mm thick Italian Marble stone slab,Perlato, Rosso verona, Fire Red or Dark Emperadore etc.	sqm	5473.20
11.53	Providing and fixing Glass mosaaic tiles at finished plain wall surface of size 20 mm x 20 mm x 4 mm in all colour, design , fixing in customize design as per direction of Engineer-in- Charge. The glass mosaaic tiles to be fixed on the wall surface with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same. The rate is inclusive of all operation, material and required pattern approved by Engineer-in-Charge.	sqm	1615.60
11.54	Providing and fixing removable raised/false access flooring with system and its components of approved make for different plenum height with possible height adjustment upto 50 mm, comprising of modular load bearing floor panels supported on G.I. rectangular stinger frame work and G.I. Pedestal etc. all complete, as per the architectural drawings, as specified and as directed by Engineer-in-charge consisting of :		
	a) Providing at required spacing to form modular framework, pedestals made out of GI tube of thickness minimum 2 mm and 25 mm outer diameter, fully welded on to the G.I. Base plate of size 100mmx100mmx3mm at the bottom of the pedestal tube, G.I. pedestal head of size 75mmx75mmx3.5 mm welded with GI fullythreaded stud 16mm outer diameter with two GI Check nuts screwed on the stud for level adjustment upto 50mm, locking and stabilizing the pedestal head in for level adjustment upto 50mm, locking and stabilizing the pedestal head in position at the required level. The pedestals shall be fixed to the subfloor (base)through base plate using epoxy based adhesive of approved make or the machine through base plate using epoxy based adhesive of approved make or the machine screw with rawl plug.		

Code No.	Description	Unit	Rate Rs.
11.54	b) S stringers system in all steel construction hot dipped galvanized of rectangular size 570x20x30x0.80 mm thick having holes at both ends for securing the stringers on to the pedestal head using fully threaded screws ensuring maximum lateral stability in all directions, the grid formed by the pedestal and stringer assembly shall receive the floor panel, this system shall provide adequate solid,rigid support for access floor panel, the system shall provide a minimum clear uninterrupted clearance between the bottom of the floor for electrical conduits and wiring etc. all complete as per the architectural drawings, as specified and as directed by the Engineer-in-charge.		
	c) providing and fixing Access Floor panel of 600x600x32 mm medium grade Filled Steel anti static high pressure Lamination of 800H grade (FS800H). Access Floor panel shall finished with Anti-static High Pressure laminate with Non Warp technology upto be steel welded construction with an enclosed bottom pan with uniform pattern of 64 hemispherical cones. The top and bottom plates of Steel Gauges: top 0.6 mm and bottom 0.7 mm fused spot welded together (minimum 64 welds in each dome and 20 welds along each flange). The panel should be Corroresist epoxy coated for lifetime rust protection and cavity formed by the top and bottom plate is filled with Pyrogrip noncombustible Portland cementitious core mixed with lightweight foaming compound. The access floor shall be factory core mixed with lightweight foaming compound. The access floor shall be factory 1mm thickness for superior adhesion and Surface flatness within 0.75mm.The panel is to withstand a Concentrated Load of 363 kgs applied on area 25mm x 25mm The panel will withstand and Uniformly Distributed Load (UDL) minimum 1250 kg/sqm and an impact load of 50kg all complete as per the approved manufacturers specification and as per the direction of Engineer-in-charge. All specification must be printed on the side of the panel to ensure the quality of the product.		
11.54.1	300 mm Finished Floor Height (FFH).	sqm	4182.20
11.54.2	450 mm Finished Floor Height (FFH).	sqm	4182.20
11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	sqm	253.80
11.73	Providing designation 100 A one brick on edge soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	sqm	407.00
11.74	Providing designation 100 B one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I, but excluding carriage cost of bricks & sand.	sqm	235.60
11.75	Providing designation 100 B one brick on edge soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	sqm	376.80
11.76	Providing average 150mm thick dry rammed khoa beaten to 112mm (compacted with water) made of well burnt or jhama bricks including ramming properly till compacted thickness is achieved, curing and carriage of water with all leads, making proper slope and blinding the top with cement mortar (1: 10) all complete as per building specification and direction of E/I,	sqm	329.90

Code No.	Description	Unit	Rate Rs.
11.77	Providing and laying 60 mm 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 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.	sqm	475.40
11.78	Providing and laying factory made coloured chamfered edge Cement Concrete paver blocks 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 fine 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 jamuna sand and cutting of paver blocks as per required size and pattern,finishing and sweeping extra sand in footpath, parks, lawns, drive ways or light traffic parking etc.complete as per manufacturer's specifications & direction of Engineer-in-Charge. 60mm thick C.C.paver block of M-35 grade with approved colour, design & pattern.	sqm	690.70
11.79	Providing and laying factory made chamfered edge Cement Concrete paver blocks of required strength,thickness & size/shape, made by table vibratory method , to attain superior smooth finish using PU or equivalent moulds, laid in required Grey colour & pattern over 50mm thick compacted bed of coarse 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 jamuna sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand in footpath, parks,lawns, drive ways or light traffic parking etc. all complete as per manufacturer's specifications & direction of Engineer -in-Charge:		
11.79.1	(a) 80 mm thick c.c. paver block of M-35 grade with approved colour design and pattern.	sqm	763.40
11.79.2	(b) 80 mm thick c.c. paver block of M-35 grade with white colour design and pattern.	sqm	722.60

SUB HEAD : 12.0
ROOFING

BASIC RATES - Contd.

12.0 Roofing

Code No.	Description	Unit	Rate Rs.
12.1	Providing corrugated G.S. sheet roofing fixed with G.I.J. or hooks, bolts and nuts 8 mm diameter with bitumen and G. I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on over lapping of sheets complete (upto a pitch of 60°) excluding the cost of purlins, rafters and trusses.		
12.1.3	1.00 mm thick with zinc coating not less than 275 gm/m ²	sqm	859.80
12.1.4	0.8mm thick with zinc coating not less than 275 gm/m ²	sqm	729.70
12.1.5	0.63 mm thick with zinc coating not less than 275 gm/m ²	sqm	618.80
12.2	Extra for providing and fixing corrugated G. S. sheets vertically or to a pitch exceeding 60	sqm	6.50
12.3	Extra for providing and fixing curved C.G.S. sheets on roofing		
12.3.4	0.80 mm thick	sqm	7.40
12.3.5	0.63 mm thick	sqm	6.00
12.4	Extra for straight cutting in C.G. S. sheet roofing for making opening of area exceeding 40 dm ² for chimney stacks , sky light etc.		
12.4.3	1.00 mm thick	m	28.50
12.4.4	0.80 mm thick	m	22.80
12.4.5	0.63 mm thick	m	22.80
12.5	Extra for circular cutting in C. G. S. sheet roofing for making opening of area exceeding 40 square decimeter .		
12.5.3	1.0 mm thick	m	161.50
12.5.4	0.80 mm thick	m	129.00
12.5.5	0.63 mm thick	m	129.00
12.6	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with G.I.J. or L hooks . Bolts and nuts 8 mm dia. G. 1. limpet and bitumen washers complete. .		
12.6.1	0.80 mm thick with zinc coating not less than 275 gm/m ² Consider the length of the ridge 10.35 metres. The ridge will be made out of plain G. I. sheets 0.9 m x 1.8 m ,	m	499.90
12.6.2	0.63 mm thick with zinc coating not less than 275 gm/m ²	m	432.40
12.7	Providing valleys of 90 cm wide overall in plain G.S. sheet fixed with G.I.J. or L hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete.		
12.7.1	1.60 mm thick with zinc coating not less than 350 gm/m ²	m	982.20
12.8	Providing flashing of 40 cm over al width in plain, G.S. sheet fixed with G.I.J. or L. hooks, bolts and nuts G.I. limpet and bitumen washers complete, bent to shape and fixed in wall with cement mortar 1:3(1 cement:3 coarse sand).		
12.8.2	1.00 mm thick with zinc coating not less than 275 gm/m ³	m	359.00
12.9	Providing and fixing 15 cm wide 45 cm over all semi circular plain G.S. sheet gutter with iron brackets 40x3 mm size bolts, nuts and washers etc. including making necessary connections with rain water pipes complete.		
12.9.3	0.80 mm thick with zinc coating not less than 275 gm/m ²	m	463.70
12.9.4	0.63 mm thick with zinc coating not less than 275 gm/m ² consider a length of 9.04 metres.	m	407.50

Code No.	Description	Unit	Rate Rs.
12.10	Providing asbestos cement 6 mm thick corrugated sheets roofing and fixing with G.I. J or L hooks bolts and nuts 8 mm dia G. I. plain and bitumen washers complete excluding the cost of purlins, rafters and trusses corrugated sheet.		
12.10.1	upto 60 degree pitch	sqm	328.40
12.10.2	above 60 degree pitch	sqm	335.20
12.11	Extra for straight cutting in A.C. corrugated, semi corrugated 6 mm thick sheet roofing for making opening of area exceeding 40 dm ² for chimney stacks, skylights etc.	m	22.80
12.12	Extra for circular cutting in A.C. corrugated/semi corrugated 6 mm thick sheet roofing for making opening of area exceeding 40 dm ²	m	189.70
12.13	Extra for providing and fixing wind ties of 40x6mm flat iron section.	m	113.20
12.14	Providing and fixing ridges and hips in asbestos cement sheet roofing		
12.14.1	One piece plain angular ridges Consider a shed of 20x 10 m (external dimensions at plinth)	m	210.80
12.14.2	Serrated of plain wing adjustable ridges Consider a shed of 20x10 m (external dimension at plinth)	m	277.70
12.14.3	Close fitting adjustable ridges consider a shed 20x10 metre (External dimension at plinth).	m	355.50
12.14.5	Unserrated adjustable hips consider a shed with hip as 20.2 metres.	m	277.30
12.15	Providing and fixing asbestos cement roofing accessories with galvanised iron J or L hooks, bolts and nuts and of G.I. seam bolts and nuts. G.I. plain and bitumen washers complete.		
12.15.1	Approan flashing pieces	m	198.10
12.15.2	Eves filler pieces	m	148.80
12.15.3	North light and ventilator curves	m	367.90
12.15.4	Barge boards	m	237.40
12.15.6	Ridge finials	pair	143.70
12.15.8	Curved barge boards for north light curves	each	265.70
12.15.9	Roof lights	each	1429.40
12.15.10	Expansion joints for ridges	each	427.00
12.15.11	Expansion joints for north light curves	each	351.30
12.15.12	S type louvers	m	141.40
12.20	Providing flat iron brackets 50x3mm size, with necessary bolts, nuts and washers etc.for fixing asbestos cement /G.S sheet gutters with purlins.	m	62.00
12.29	Painting top of roofs with bitumen of approved quality at 17 kg per 10m ² impregnated with a coat of coarse sand at 60 cubic dm per 10m ² including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete:		
12.29.1	With residual type petroleum bitumen of VG10	sqm	110.50
12.33	Providing and laying brick tiles of class designation 100 over mummy root grouted with cement mortar 1:3 (1 cement:3 coarse sand) mixed with 2% if 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.		
12.33.2	With F.P. brick tiles	sqm	436.00

Code No.	Description	Unit	Rate Rs.
12.3	12.33A Providing and laying pressed clay tiles (as per approved pattern 20 mm nominal thickness and of approved size) on roofs jointed with cement mortar 1:4(1 cement :4 coarse sand)mixed with 2% integral water proofing compound laid over a bed of 20 mm thick cement mortar 1:4(1 cement::4 coarse sand)and finished neat complete	sqm	515.00
12.38	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement:2 coarse sand:4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3(1 cement::3 coarse sand)as per standard design		
	12.38.1 In 75x75 mm deep chase	sqm	94.70
12.39	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement:2 coarse sand:4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 mx1 mx400 micron, finished 12 mm cement plaster 1:3 (1 cement:3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete	each	150.10
12.40	Providing sand stone slabs for roofing and laying them in cement mortar 1:4 (1 cement:4 coarse sand) over wooden karries or R.C.C. battens (karries and battens to be paid separately) including pointing the ceiling joints with cement mortar 1:3 (1 cement:3 coarse sand) complete:		
	12.40.1 Red sand stcne slab		
	12.40.1.1 40 mm thick	sqm	376.00
	12.40.1.2 45mm thick	sqm	393.60
	12.40.1.3 50 mm thick	sqm	411.30
	12.40.2 White sand stone slab		
	12.40.2.1 40 mm thick	sqm	447.20
	12.40.2.2 45 mm thick	sqm	464.70
	12.40.2.3 50 mm thick	sqm	482.50
12.52	Grading roof for water proofing treatment with		
	12.52.2 Cement concrete 1:2:4(1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	3732.90
	12.52.3 Cement mortar 1:3(1 cement:3 coarse sand)	cum	6473.00
	12.52.4 Cement mortar 1:4 (1 cement: 4 coarse sand)	cum	5537.30
12.54	Providing and fixing 20 mm thick wooden planks ceiling (frame work for base to be paid separately) with M.S screws:		
	12.54.1 2nd class teak wood	sqm	1954.70
	12.54.3 1st class kail wood	sqm	890.80
12.55	Providing and fixing insulating board ceiling of approved quality with necessary nails etc complete (frame work to be paid separately)		
	12.55.1 Natural colour insulating board		
	12.55.1.1 12 mm thick	sqm	514.70
	12.55.2 White face insulating board		
	12.55.2.1 12 mm thick	sqm	624.30
	12.55.3 Flame retardant face insulating board		
	12.55.3.1 12mm thick	sqm	575.10
12.56	Providing and fixing hard board sheet ceiling of approved quality with necessary nails etc complete (frame work to be paid separately)		
	12.56.1 Standard quality boards		
	12.56.1.1 3 mm thick	sqm	306.10
	12.56.1.2 4.5 mm thick	sqm	339.80

Code No.	Description	Unit	Rate Rs.
12.57	Providing and fixing flat pressed 3 layer medium density particle board sheet Grade I conforming to IS: 3087 in ceiling with necessary nails etc. complete (frame work to be paid separately).		
12.57.2	12 mm thick	sqm	588.20
12.58	Providing and fixing plain A.C. sheet ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately):		
12.58.2	6 mm thick	sqm	384.40
12.59	Extra for circular cutting and waste in ceiling with		
12.59.1	2nd class teak wood planks 20 mm thick	m	335.00
12.59.4	Natural colour insulating board		
12.59.4.1	12 mm thick	m	153.50
12.59.5	White face insulating board		
12.59.5.1	12 mm thick	m	168.50
12.59.6	Flame retardant face insulating board		
12.59.6.1	12 mm thick	m	161.00
12.59.7	Standard quality hard board sheet		
12.59.7.1	3 mm thick	m	129.20
12.59.7.2	4.5 mm thick	m	133.40
12.60	Extra for providing and fixing ceiling to curved surfaces in narrow widths	sqm	110.30
12.60A	Providing and fixing false ceiling with 12 mm thick plain/or with design ceiling tiles of BWP type phenol formaldehyde synthetic resin bonded pressed particle board conforming to IS :3087 finished with a coat of aluminum primer on both sides & edges and two coats of synthetic enamel paint of approved quality on exposed face fixed to a grid made out of anodized aluminum (with 15 micron anodic coating) T-sections 35x15x1.5 mm size main runners and cross runners 23.5x19x1.5 mm fixed to main runners placed 600 mm centre to centre both ways so as to form a grid of 600 mm square. The frame work shall be suspended from ceiling by level adjusting hangers of 6 mm dia M.S. rod fixed to roof slab ny means of ceiling cleats. The suspenders shall be placed 600x1200 mm centre to centre including fixing to the frame with CP brass screws and applying a priming coat of zinc chromate yellow primer for steel members complete (Frame work and suspenders to be paid for separately)	sqm	591.10
12.60C	Extra for providing 3 mm thick translucent white acrylic plastic sheets of approved quality in false ceiling instead of 12 mm thick plain/or with design particle board ceiling tiles in item above.	sqm	378.40
12.61	Providing 10 mm thick plaster of Paris (Gypsum anhydrous) ceiling upto a height of 5 m above floor level over first class kail wood strips 25x6x mm with 10 mm gap in between and reinforced with rabbit wire mesh fixed to wooden frame (frame work to be paid separately)		
12.61.1	Flat surfaces	sqm	670.00
12.61.2	Curved surfaces	sqm	755.40
12.62	Extra for any sunk or raised moldings in the plaster of Paris (Gypsum anhydrous) ceiling	sqm	178.10
12.63	Extra for providing plaster of Paris (Gypsum anhydrous) ceiling above 5 metres height from floor level.	sqm	66.40
12.64	Providing and fixing 12 mm thick plaster of pairs (Gypsum anhydrous) ceiling tiles upto a height of 5 metres above floor level over wooden frames and rendered smooth with plaster of pans (frame work to be paid separately).	sqm	413.70

Code No.	Description	Unit	Rate Rs.
12.65	Extra for providing and fixing plaster of Paris (Gypsum anhydrous) ceiling tiles beyond 5 metres height from floor level.(Height beyond 5 m to be measured for extra payment)	sqm	31.20
12.67	Extra for making chamfered edges of beading		
12.67A	Thermal Insulation of roofing with bonded mineral wool, laid over false ceiling with suitable adhesive as per directions of the Engineer -in-charge.	sqm	245.40
12.67B	Thermal Insulation of roofing with Expanded polystyrene fixed with suitable adhesive to the false ceiling as per the directions of the Engineer-in charge		
12.67B.1	With Type N-Normal	sqm	304.20
12.67B.2	With Type SE Self Extinguishing type	sqm	304.20
12.68	Providing and fixing 100 mm diameter and 60 cm long rain water spout in cement mortar 1:4 (1 cement :4 fine sand)		
12.68.1	Stone ware spout	spout	70.80
12.68.2	Cement concrete spout	spout	70.80
12.71	Providing and fixing M.S. holder bat clamps of approved design to C.I. or S.C.I rain water pipes embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix(1ceme.it:2coarse sand:4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc.		
12.71.1	75 mm diameter	each	108.30
12.71.2	100 mm diameter ;	each	105.90
12.71.3	150 mm diameter	each	112.00
12.73	Providing lead caulked joints to sand cast iron rain water pipes and fittings:		
12.73.1	75 mm dia pipe	each	134.80
12.73.2	100 mm dia pipe	each	173.40
12.73.3	150 mm dia pipe	each	242.90
12.74	Providing and embedding sand cast iron accessories for rain water pipes in the masonry surrounded with 12 mm thick cement mortar of the same mix, as that of masonry (lead caulking will be paid for separately):		
12.74.2	Sand cast iron plain shoes		
12.74.2.3	150 mm diameter	shoe	296.30
12.78	Providing and fixing on wall face unplasticised-PVC(working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.		
12.78.1	75 mm diameter	metre	127.30
12.78.2	110 mm diameter	metre	212.40
12.79	Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes conforming to (S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.		
12.79.1	Coupler		
12.79.1.1	75 mm	each	105.50
12.79.1.2	110mm	each	140.20
12.79.2.1	Single pushfit coupler		
12.79.2.1	75 mm	each	125.10
12.79.2.2	110 mm	each	175.60
12.79.3	Single tee with door		

Code No.	Description	Unit	Rate Rs.	
12.79	12.79.3.1	75x75x75 mm	each	221.20
	12.79.3.2	110x110x110mm	each	306.10
	12.79.4	Single tee without door		
	12.79.4.1	75x75x75mm	each	196.80
	12.79.4.2	110x110x110 mm	each	257.30
	12.79.5	Band 87.5 ⁰		
	12.79.5.1	75 mm bend	each	112.90
	12.79.5.2	110 mm bend	each	168.30
	12.79.6	Shoe plain		
	12.79.6.1	75 mm shoe	each	175.10
	12.79.6.2	110m Shoe	each	305.02
12.80	Providing and fixing unplasticised -PVC pipe clip of approved design to unplasticised PVC rain water pipe by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing on cement mortar(1:4) 1 cement: 4corsa sand and making good the wall etc complete			
	12.80.1	75 mm	each	126.20
	12.80.2	110 mm	each	144.49
12.81	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	each	39.10	
12.82	Providing and fixing at all height false ceiling of 12.5 mm thick -tapered edge gypsum board conforming to IS : 2095 including -providing and fixing of frame work made of special sections power pressed from M.S. sheet and galvanized in accordance with zinc coating 120gm/sqm as per IS : 277 and consisting of angle cleats of size 25 mm wide x 16 mm thick with flanges of 22 mm and 27 mm at 1200 mm centre to centre one flange fixed to the ceiling with dash fastener 12.5 mm dia x 40 mm long with 6 mm dia bots to the angle hangers of 25x10x0.5 mm of required length, and other end of angle hanger being fixed with nut and bots to rate of 1200 mm centre to centre to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450 mm centre to centre shall be be fixed in a direction perpendicular to G. I. channel with connecting clips made out of 2.64 mm dia x 230 mm long G. I. wire at every junction including fixing the gypsum board with ceiling section and perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long . the perimeter of ceiling fixed to wall / partition with the help of rawl plugs at 450 mm centre to centre with 25 mm long dirve-all screws @ 230 mm interval including jointing and fixing to a flush of tapered and square edges of the gypsum board with recommended filler., paper tapes, finisher and two coats of primer suitable for gypsum board as per manufactures specification and also including the coat cutouts made with frame of perimeter channels suitably fixed all complete as per- drawing and specification and direction of the Engineer-in-Charge but excluding the cost of painting.	SQM	768.50	

Code No.	Description	Unit	Rate Rs.
12.45	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25 mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :		
12.45.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- Part I	SQM	745.60
12.45.2	12.5 mm thick tapered edge gypsum fire resistant board conforming to IS: 2095- Part I	SQM	792.60
12.45.3	12.5 mm thick tapered edge gypsum moisture resistant board	SQM	813.90
12.45.4	Fully Perforated Gypsum Plaster Board of size 1200 x 2400x12.5 mm having approx. 15 % perforated area with perforation size and pattern as approved by the Engineer-in-charge and as per manufacturer's specification, with all 4 side tapered and backed by acoustical tissue with NRC value not less than 0.60.	SQM	1646.40

SUB HEAD : 13.0
FINISHING

BASIC RATES - Contd.

13.0 Finishing

Code No.	Description	Unit	Rate Rs.
	Cement plaster in course sand		
13.11	12 mm cement plaster of mix:		
13.11.1	1:3 (1 cement:3 coarse sand)	sqm	128.20
13.11.2	1:4(1 cement :4 coarse sand)	sqm	114.70
13.11.3	1:5(1 cement: 5 coarse sand)	sqm	107.40
13.11.4	1:6(1 cement: 6 coarse sand)	sqm	101.20
13.12	15 mm cement plaster on rough side of single or half brick wall of mix.		
13.12.1	1:3 (1 cement :3 coarse sand)	sqm	149.20
13.12.2	1:4(1 cement: 4 coarse sand)	sqm	133.20
13.12.3	1:5 (1 cement: 5 coarse sand)	sqm	124.50
13.12.4	1:6 (1 cement: 6 coarse sand)	sqm	117.10
13.13	20 mm cement plaster of mix ;		
13.13.1	1:3 (1 cement: 3 coarse sand)	sqm	182.30
13.13.2	1: 4(1 cement: 4 coarse sand)	sqm	161.30
13.13.3	1:5(1 cement: 5 coarse sand)	sqm	150.10
13.13.4	1:6(1 cement: 6 coarse sand)	sqm	140.40
13.14	12 mm lime plaster of mix:		
13.14.1	1:1:1 (1 lime putty:1 surkhi:1sand)	sqm	103.90
13.14.2	1:1:2(1 limeputty :1surkhi:2 sand)	sqm	97.10
13.14.3	1:2(1 lime: 2surkhi)	sqm	117.40
13.14.4	1:3(1lime putty: 3surkhi)	sqm	117.20
	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT		
13.17.1	12 mm cement plaster 1:3(1 cement: 3 coarse sand) finished with a floating coat of near cement	sqm	159.00
13.17.2	12 mm cement plaster 1:4(1 cement: 4coarse sand) finished with a floating coat of near cement Details of cost for 10 sqm	sqm	145.50
13.18	15 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement on the rough side of single or half brick wall.	sqm	180.10
13.19	18 mm cement plaster in two coat under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) and a top layer 6mm thick cement plaster 1:3(1 cement: 3 coarse sand) finished rough with sponge	sqm	158.10
13.20	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement :5 coarse sand) and top layer 6 mm thick, cement plaster 1:3 (1 cement: 3 coarse sand) finished rough with sponge.	sqm	170.00
13.24	6 mm cement plaster to ceiling of mix :		
13.24.1	1:3(1 cement: 3 coarse sand)	sqm	94.10
13.24.2	1:4(1 cement: 4 coarse sand)	sqm	87.40
13.26	Neat cement punning	sqm	32.30

Code No.	Description	Unit	Rate Rs.
13.30	Rough cast plaster upto 10m height above ground level with a mixture of sand and gravel or crushed stone from 6 mm to 10 mm nominal size dashed over and including the fresh plaster in two layers, under layer 12 mm cement plaster 1:4(1 cement :4 coarse sand) and top layer 10 mm cement plaster 1:3 (1 cement :3 coarse sand) mixed with 10% finely grounded hydrated lime by volume of cement:		
	13.30.1 Ordinary cement finish using ordinary cement	sqm	285.00
13.31	Rough cast plaster with a mixture of sand and gravel or crushed stone from 2.36 to 12.5 mm nominal size dashed over and including the fresh plaster in two layers, under layer 12 mm cement plaster 1:5(1 cement:5 coarse sand) and top layer 10 mm cement plaster 1:3(1 cement:3 coarse sand) mixed with 10% finely grounded hydrated lime by volume of cement:		
	13.31.1 Ordinary cement finish using ordinary cement	sqm	277.70
13.32	Pebble dash plaster with a mixture of washed pebble or crushed stone 6 mm to 12.5 mm nominal size dashed over and including fresh plaster in two layers under layer 12 mm cement plaster 1:4(1 cement: 4 coarse sand) and top layer 10 mm cement plaster with cement mortar 1:3(1 cement :3 coarse sand) mixed with 10% finely grounded hydrated lime by volume of cement	sqm	271.70
13.36	Extra for providing and mixing water proofing material in proportion recommended by the manufacturers:		
	13.36.1 12 mm cement plaster 1:3(1 cement :3 sand)	sqm	7.30
	13.36.2 12 mm cement plaster 1:4(1 cement :4 sand)	sqm	5.80
	13.36.3 15 mm cement plaster 1:3(1 cement :3 sand)	sqm	8.40
	13.36.4 15 mm cement plaster 1:4(1 cement :4 sand)	sqm	6.60
	13.36.5 20 mm cement plaster 1:3(1 cement:3 sand)	sqm	10.50
	13.36.6 20 mm cement plaster 1:4(1 cement: 4 sand)	sqm	8.20
13.37	Extra for plastering exterior walls of height more than 10m from ground level for every additional height of 3 m or part there of	sqm	28.80
13.38	Extra for plastering on circular work not exceeding 6 m in radius :		
	13.38.1 In one coat	sqm	12.20
	13.38.2 In two coats	sqm	17.50
13.39	Extra for plastering done on moulding cornices or architraves including neat finish to line and level:		
	13.39.1 In one coat	sqm	171.00
	13.39.2 In two coats	sqm	281.30
13.40	Extra for plastering:		
	13.40.1 Spherical ceiling	sqm	45.30
	13.40.2 Groined ceiling	sqm	49.70
	13.40.3 Flying soffits	sqm	29.50
13.40A	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	sqm	81.10
13.45	Finishing walls with textured exterior paint of required shade :		
	13.45.1 New work (Two or more coats applied @ 3.28 ltr/ 10 sqm) over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm	sqm	122.60

Code No.	Description	Unit	Rate Rs.
13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :		
13.46.1	New work (Two or more coat applied @ 1.67 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	sqm	71.1
13.46A	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade :		
13.46A.1	New work (Two or more coat applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	sqm	83.6
13.48	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications.		
13.48.1	Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of special primer applied @ 0.75 ltr /10 sqm.	sqm	81.4
13.48.2	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.75 ltr/ 10 sqm of approved brand and manufacture.	sqm	69.6
13.48.3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture.	sqm	27.1
13.48.4	Extra for lining out plaster to imitate stone or concrete blocks walling	sqm	27.1
13.50	12 mm thick plain cement mortar bands in cement mortar 1:4(1 cement: 4 coarse sand):		
13.50.1	Flush Band	1 m long & 1cm wide	2.10
13.50.2	Sunk Band	1m long & 1cm wide	2.30
13.50.3	Raised Band	1m long & 1cm wide	2.60
13.50.4	Molded Band	1m long & 1cm wide	4.20
13.51	18 mm thick plain cement mortar band in cement mortar 1:4(1 cement :4 coarse sand):		
13.51.1	Flush Band	1m long & 1cm wide	2.60
13.51-2	Sunk Band	1m long & 1cm wide	2.90
13.51.3	Raised Band	1m long & 1cm wide	3.20
13.51.4	Molded Band	1m long & 1cm wide	5.70
13.52	18 mm thick molded cement mortar band in two coats, under layer 12 mm thick with cement mortar 1:5(1 cement:5 coarse sand top layer 6 mm thick with cement mortar 1:4(1 cement :4 coarse sand)	1m long & 1cm wide	5.60

Code No.	Description	Unit	Rate Rs.
13.56	Pointing on brick work with cement mortar 1:3(1 cement:3 coarse sand):		
	13.56.1 Flush pointing	sqm	72.30
	13.56.2 Ruled pointing	sqm	76.70
	13.56.3 Struck or weathered pointing	sqm	92.10
	13.56.4 Raised and cut pointing	sqm	116.10
13.57	Pointing on brick flooring with cement mortar 1:3(1 cement:3 coarse sand):		
	13.57.1 Flush pointing	sqm	60.30
	13.57.2 Ruled pointing	sqm	65.00
13.58	Pointing on brick flooring with cement mortar 1:4(1 cement :4 coarse sand):		
	13.58.1 Flush pointing	sqm	59.30
	13.58.2 Ruled pointing	sqm	60.20
13.63	Pointing on tile brick work with cement mortar 1:3(1 cement :3 coarse sand):		
	13.63.1 Flush pointing	sqm	96.10
	13.63.2 Ruled pointing	sqm	100.10
	13.63.3 Struck or weathered pointing	sqm	115.90
13.64	Pointing on stone work with cement mortar 1:3(1 cement:3 fine sand):		
	13.64.1 Flush pointing	sqm	98.70
	13.64.2 Ruled pointing	sqm	105.70
	13.64.3 Raised and cut pointing	sqm	179.20
13.68	Pointing on stone slab ceiling with cement mortar 1:2 (1 cement :2 coarse sand):		
	13.68.1 Flush pointing	sqm	56.70
	13.68.2 Ruled pointing	sqm	60.20
13.69	Extra for pointing on walls on the outside at height more than 10m from ground level for every additional height of 3 m or part there of	sqm	5.50
13.70	White washing with lime to give an ever shade		
	13.70.1 New work (three or more coats)	sqm	12.50
	13.70.2 Old work (two or more coats)	sqm	6.90
	13.70.3 Old work (one or more coats)	sqm	3.90
13.71	Satna lime wash on wads one coat	sqm	4.60
13.72	White washing with whiting to give an even shade :		
	13.72.1 New work (three or more goats)	sqm	11.20
	13.72.2 Old work (two or more coats)	sqm	6.70
	13.72.3 Old work (one or more coats)	sqm	4.00
13.73	Colour washing such as green, blue or buff to give an even shade		
	13.73.1 New work (two or more coats) with a base coat of white washing	sqm	16.90
	13.73.2 New work (two or more coats) with a base coat of whiting	sqm	16.60
	13.73.3 Old work (two or more coats) with lime	sqm	8.80
	13.73.4 Old work (two or more coats) with whiting	sqm	8.80
	13.73.5 Old work (one or more coats) with lime	sqm	5.00
	13.73.6 Old work (one or more coats) with whiting	sqm	5.00

Code No.	Description	Unit	Rate Rs.
13.74	Removing white or colour wash by scrapping and sand paper in and preparing the surface smooth including necessary repair scratches etc. complete	sqm	4.60
13.75	Distemping with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work , over and including priming coat of whitening to give an even shade.	sqm	46.70
13.76	Distemping with dry distemper of approved brand and manufacture (one or more coats) and of required shade on old work to give an even shade .	sqm	21.00
13.77	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade .		
13.77.2	New work (two or more coats) over and including priming coat with cement primer	sqm	69.10
13.77.3	Old work (one or more coats)	sqm	22.00
13.77A	Distemping with 1st quality washable distemper (ready made) of approved manufacturer and of required shade and colour complete. As per manufacture's specifications.		
13.77A.1	Two or more coats on new work	sqm	37.20
13.77A.2	One or more coats on old work	sqm	22.90
13.78	Applying one coat of cement primer of approved brand and manufacture on wall surface:		
13.78.1	Cement primer	sqm	26.90
13.78.2	Distemper primer	sqm	28.10
13.79	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade		
13.79.1	New work (three or more coats)	sqm	63.20
13.79.2	Old work (one or more coats)	sqm	42.80
13.80	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches etc. Complete	sqm	5.90
13.80 A.1	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	77.40
13.80 A.2	Providing and applying white cement based putty of average thickness 2 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	118.40
13.81 A	Distemping with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.		
13.81.1 A	One coat	sqm	21.70
13.81.2B	Two coats	sqm	34.20

Code No.	Description	Unit	Rate Rs.	
13.81	Applying priming coat:			
	13.81.1	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and softwood)	sqm	26.70
	13.81.2	with ready mixed aluminum primer of approved brand and manufacture on resinous wood and plywood.	sqm	27.60
	13.81.3	With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	sqm	22.80
	13.81.4	With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel work (second coat)	sqm	12.90
13.82	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade:			
	13.82.1	New steel work (two or more coats)	sqm	63.60
	13.82.2	New wood work (two or more coats)	sqm	63.60
	13.82.3	Old steel work (one or more coats)	sqm	40.70
	13.82.4	Old wood work (one more coats)	sqm	40.70
	13.82.A	Painting one thin coat with white lead of approved brand and manufacture on wet or patchy portion of plastered surfaces.	sqm	34.80
	13.82B	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacture's specifications including appropriate priming coat, preparation of surface, etc. complete.		
	13.82B.1	On steel work	sqm	93.80
	13.82B.2	On concrete work	sqm	95.50
13.83	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:			
	13.83.1	New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	sqm	58.00
	13.83.A	Applying a coat of mordant paint on G.S. sheet.		
	13.83A.1	1 With a solution of 38 gms of copper acetate in a litre of soft water	sqm	14.10
	13.83.A.2	2 With a solution made of 13 gms hydrochloric acid in a solution of 13 gms. Each of copper chloride, copper nitrate and ammonium chloride dissolved in a litre of soft water	sqm	14.20
13.84	Painting (two or more coats) on rain water, soil, waster and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture over and including a priming of ready mixed zinc chromate yellow primer on new work:			
	13.84.1	50 mm diameter pipes	sqm	12.30
	13.84.2	75 mm diameter pipes	sqm	17.40
	13.84.3	100 mm diameter pipes	sqm	23.20
	13.84.4	150 mm diameter pipes	sqm	34.50

Code No.	Description	Unit	Rate Rs.
13.85	Painting (one or more coats) on rain water, soil waste and vent pipes and fittings with black anticorrosive bitumastic paint approved brand and manufacture on old work:		
13.85.1	50 mm diameter pipes	sqm	5.60
13.85.2	75mm diameter pipes	sqm	7.90
13.85.3	100 mm diameter pipes	metre	10.40
13.85.4	150 mm diameter pipes	metre	15.10
13.86	Painting (two 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 over a priming coat of ready mixed zinc chromatic yellow primer on new work.		
13.86.1	50 mm diameter pipes	metre	13.10
13.86.2	75 mm diameter pipes	metre	18.20
13.86.3	100 mm diameter pipes	metre	24.20
13.86.4	150 mm diameter pipes	metre	36.00
13.87	Painting (one more coats) on rain water soil, waste and vent pipes and filings with synthetic enamel paint of approved brand and manufacture and required colour on old work:		
13.87.1	50 mm diameter pipes	metre	5.80
13.87.2	75 mm diameter pipes	metre	8.40
13.87.3	100 mm diameter pipes	metre	10.90
13.87.4	150 mm diameter pipes	metre	15.70
13.88	Painting with oil type wood preservative of approved brand and manufacture:		
13.88.1	New work (two or more coats)	sqm	20.20
13.88.2	Old work(one or more coats)	sqm	14.80
13.88 A	Providing and applying two coats of fire retardent paint FR 881 unthinned on cleaned wood/ply surface @ 3.5 sqm per litre per coat including preparation of base surface as per recommendationns of fmanufacturer to make the surface fire retardent.	sqm	212.70
13.89	Coal tarring two coats on new work using 0.16 and 0.12 litre coat sqm in the first coat and second coat respectively.	sqm	24.50
13.92	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:		
13.92.1	Two or more coats on new work	sqm	59.90
13.92.2	One or more coats on old work	sqm	38.50
13.93	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:		
13.93.1	Two or more coats on new work	sqm	54.10
13.93.2	One or more coats on old work.	sqm	34.80
13.94	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:		
13.94.1	Two or more coats on new work over an under coat of suitable shade with ordinary pain ⁺ of approved brand and manufacture	sqm	75.20
13.95	Painting with aluminum paint of approved brand and manufacture to give an even shade.		
13.95.1	Two or more coats on new work	sqm	45.90
13.95.2	One or more coats on old work.	sqm	29.40

13.96	Painting with acid proof paint of approved brand and manufacture of required colour to give an even shade:			
	13.96.1	Two or more coats on new work.	sqm	54.20
	13.96.2	One or more coats on old work.	sqm	35.00
13.97	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade:			
	13.97.1	Two or more coats on new work	sqm	42.80
	13.97.2	One or more coats on old work.	sqm	28.20
13.98	Floor painting with floor enamel paint of approved brand and manufacture of required colour to give an even shade:			
	13.98.1	Two or more coats on new work.	sqm	54.60
	13.98.2	One or more coats on ole work.	sqm	35.30
13.1	Varnishing with varnish of approved brand and manufacture:			
	13.100.1	Two or more coats of glue sizing with copal varnish over an under coat of flatting varnish.	sqm	78.40
	13.100.3	One or more coats with copal varnish.	sqm	32.40
	13.100.4	Two more coats glue sizing with spar varnish or an under coat of flatting varnish.	sqm	79.60
	13.100.6	One or more coats with sprit varnish.	sqm	33.10
13.101	French spirit polishing:			
	13.101.1	Two or more coats on works including a coat of wood filler.	sqm	138.60
	13.101.2	One or more coats on old work.	sqm	71.00
13.104	Polishing on wood work with ready made wax polish of approved brand and manufacture:			
	13.104.1	New work	sqm	59.40
	13.104.2	Old work	sqm	30.00
13.105	Floor polishing on masonry or concrete floors with wax polish off approved brand and manufacture.		sqm	26.60
13.106	Lettering with black Japan paint of approved brand and manufacture		1 letter of 1cm hight	1.70
13.107	Re-lettering with black Japan paint of approved brand and manufacture.		1 fetter of 1cm hight	1.10
13.112	Washed stone grit plaster in two layers, under layer 12 mm cement plaster 1:4 (1 cement :4 coarse sand) furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2 kg of cement per square metre, tope layer 15 mm cement plaster 1:1/2:2 (1 cement: 1/2 coarse sand :2 stone chipping 10 mm nominal size) in panels with groove all around as per approved pattern including scrubbing and washing, the top layer with brushes and water to expose the stone chippings, complete as per specification and direction of Engineer -in charges (Payment for providing grooves shall be made separately)		sqm	377.60

Code No.	Description	Unit	Rate Rs.
13.113	Forming groove of uniform size in the top layer of washed stone grit piaster as per approved pattern using wooden batten nailed to the under layer including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specifications and direction of the Engineer-in-charges.		
	13.113.1 15 mm wide and 15 mm deep groove	metre	19.50
	13.113.2 20 mm wide and 15 mm deep groove	metre	20.00
13.114	Extra for washed grit plaster on exterior walls of height more than 10 m from ground level for every additional hight of 3 m or part there of	sqm	40.50
13.115	Extra for washed stone grit plaster on circular work not exceeding 6m in radius (in coats).	sqm	32.70
13.116	Forming groove of uniform size from 12x12 mm and upto 25x15 mm in plastered surface as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repairs to the edges of plaster panel and finishing the groove complete as per specifications and direction of the Engineer-in-Charge.	metre	33.80
13.117	Extra for using white cement in place of ordinary cement in the top layer of the item washed stone grit plaster.	sqm	99.00

SUB HEAD : 14.0
REPAIRS TO BUILDINGS

14.0 Repairs to Buildings

Code No.	Description	Unit	Rate Rs.
14.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sqm and under including cutting the patch in proper shape and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead.		
14.1.2	With cement mortar 1:4(1 cement:4 coarse sand)	sqm	171.00
14.2	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts embedding holdfasts in cement concrete blocks with cement concrete 1:3:6(1 cement :3 coarse sand:6 grade stone aggregate 20 mm nominal size) painting two coats of coal tar to sides of chowkhats and making good the damages to walls and floors as required complete including disposal of rubbish to the dumping ground within 50 metres lead.		
14.2.1	Door chowkhats	each choukhat	531.90
14.2.2	Window chokhats	each choukhat	315.50
14.2.3	Clerestory window chowkhats	each choukhat	233.10
14.3	Making opening in brick masonry including dismantling, fixing chowk hats in floor or walls cutting masonry and fixing hold fasts in cement concrete 1:3:6(1 cement:3 coarse sand:6 stone aggregate 20 mm nominal size) painting two coats of coal tar io sides of choukhat and making good the damages to walls and floors complete to match the existing surface.		
14.3.1	For door	each choukhat	678.50
14.3.2	For window	each choukhat	452.10
14.3.3	For clerestory window	each choukhat	284.80
14.4	Providing and fixing wooden cleats of size 100 mm x75 mm x50 mm to doors and windows with approved fittings including removal of old cleats where necessary including painting, polishing or bees waxing to match the existing shade:		
14.4.1	2nd class teak wood cleats with brass hinges and screws	each	65.70
14.4.3	Sal wood cleats with brass with brass hinges and screws	each	59.20
14.4.5	Kind class teak wood cleats with iron hidings and screws	each	47.80
14.4.7	Sal wood cleats with iron hinges and screws	each	41.30
14.4.8	1st class kail wood cleats with iron hinges and screws	each	29.20
14.4.9	2nd class kail wood cleats with iron hinges and screws	each	29.20

Code No.	Description	Unit	Rate Rs.
14.5	Renewing glass panes, with putty and nails wherever necessary:		
14.5.2	Float glass panes weighing 10 kg/m ² (4mm thick glass)	sqm	618.10
14.5.3	Float glass panes weighing 13.75 kg/m ² (5.5mm thick glass)	sqm	846.40
14.6	Renewing glass, with wooden fillets wherever necessary:		
14.6.2	Float glass panes weighing 10kg/m ² (4mm thick)	sqm	715.30
14.6.3	Float glass panes weighing 13.75kg/m ² (5.5mm thick)	sqm	969.60
14.7	Renewing glass panes and re fixing existing wooden fillets:		
14.7.2	Float glass panes weighing 10 kg/m ² (4mm thick)	sqm	613.00
14.7.3	Float glass panes weighing 13.75kg/m ² (5.5 mm thick)	sqm	841.30
14.8	Supplying and fixing new wooden fillets wherever necessary		
14.8.1	Second class teak wood fillets	sqm	25.00
14.8.3	Hollock wood fillets	sqm	20.30
14.9	Renewal of old putty of glass panes (length)	metre	14.50
14.1	Refixing old glass panes with putty and nails	sqm	18.80
14.11	Fixing old glass panes with wooden fillets (excluding cost of fillets)	sqm	158.70
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 and making good and painting exposed portion of the clamps complete	each	180.20
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 within 50 metres lead:		
-	RED SAND STONE		
14.14.1	30 to 40 mm thick	sqm	370.30
14.14.2	45 mm thick	sqm	405.60
14.14.3	50 mm thick	sqm	424.90
-	WHITE SAND STONE		
14.14.4	30 TO 40mm thick	sqm	397.20
14.14.5	45 mm thick	sqm	476.70
14.14.6	50 mm thick	sqm	408.80
14.18	Renewing wooden battens in roos, including making good the holes in wall and painting with C type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 meters lead:		
14.18.1	Sal wood battens	cum	67502.00

Code No.	Description	Unit	Rate Rs.
14.19	Renewing wooden beams in roofs including making good the holes in wails and painting with oil type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 metres lead.		
14.19.1	Not exceeding 4.00 metres in length		
14:19.1.1	Sal wood beams	cum	72741.10
14.19.1.4	Hollock wood beams	cum	48213.40
14.19.2	Above 4.00 metres and upto 5.00 metres length		
14.19.2.1	Sal wood beams	cum	74076.00
14.19.2.4	Hollock wood beams	cum	73838.00
14.21	Raking out joints in lime or cement mortar and preparing the surface for repainting or re plastering including disposal of rubbish to the dumping within 50 metres lead	sqm	16.90
14.29	Taking out wind ties from roof including cutting out rusted bolts, nuts etc, and removing materials to any distance within compound and stacking.	Kg	0.50
14.3	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.	metre	63.20
14.31	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	kg	67.00

**SUB HEAD : 15.0
DISMANTLING AND
DEMOLISHING**

15.0 Dismantling and Demolishing

Code No.	Description	Unit	Rate Rs.
15.1	Demolishing lime concrete and disposal of material within 50 metre lead.	cum	203.10
15.2	Demolishing cement concrete including disposal of material within 50 metre lead:		
15.2.1	1:3:6 or richer mix	cum	578.30
15.2.2	1:4:8 or leaner mix	cum	357.30
15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	cum	839.00
15.4	Demolishing R.B. work including stacking of steel bars and disposal of unserviceable material within 50 metres lead:	cum	752.20
15.5	Extra for cutting reinforcement bars in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work)	Per RCC	294.50
15.6	Extra for scrapping, cleaning and straightening reinforcement from R.C.C. or R.B. work.	kg	2.30
15.7	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 meters lead:		
15.7.1	In mud mortal	cum	169.30
15.7.2	In lime mortar with old mugnal bricks	cum	419.40
15.7.3	In lime mortar	cum	203.10
15.7.4	In cement mortar	cum	491.30
15.8	Removing mortar form bricks and cleaning bricks including stacking within a lead of 50m (stacks of cleaned bricks shall be measured):		
15.3.1	From brick work in mud mortar	cum	1109.80
15.8.3	From brick work in lime mortar	cum	1286.90
15.3.1	From brick work in cement mortar	cum	1608.30
15.9	Demolishing stone rubble masonry including stacking of serviceable material and disposal of unserviceable material within 50 meters lead.		
15.9.1	In lime mortar	cum	276.80
15.9.2	In cement mortar	cum	585.80
15.10	Desman tiling 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	cum	350.10
15.10,2	In cement mortar	cum	684.50
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	cum	115.16
15.11.2	In cement mortar	cum	164.30

Code No.	Description	Unit	Rate Rs.
15.12	Desman tiling doors windows and clerestory windows (steel or wood) shutters including chowkhats, architrage, holdfasts etc. complete and stacking within 50 metres lead:		
	15.12.1 Of area 3 sqm and below	each	90.30
	15.12.2 Of area beyond 3 sqm	each	124.50
15.13	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 meters lead.		
	15.13.1 Of area 3 sqm and below	each	35.00
	15.13.2 Of area beyond 3 sqm	each	46.50
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* and above	cum	1095.20
	15.14.2 Of sectional area below 40cm ²	m	4.40
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 me res:		
	15.15.1 Of sectional area 40 cm ² and above	metre span	158.60
	15.15.2 Of sectional area below 40 cm ²	meter span	0.50
15.16	Extra for dismantling trusses, rafters purlins etc. of wood work for every additional height of one meter or part thereof beyond 5 meters.		
	15.16.1 Of sectional area 40 square centimeters and above	cum	221.50
	15.16.2 Of sectional area below 40 square centimeters	m	0.90
15.17	Dismantling steel work in single sections including dismembering and stacking within 50 meters lead in:		
	15.17.1 R.S. Joists	kg	0.80
	15.17.2 Channels.angles, tees and flats	kg	0.60
15.18	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plats, bolts, nuts, cutting hvets, welding etc. including dismem bering and stacking within 50 metres lead.	kg	1.40
15.19	Dismantling steel work in built up sections without dismembering and stacking within 50 metres lead	kg	1.00
15.2	Extra for dismantling trusses, rafters, purlins etc. Of steel work for every additional span of one metre or part thereof beyond 10 metres	kg	0.20
15.21	Extra for dismantling trusses, rafters, purlins etc. Of steel work for every additional height of one metre or part there of beyond 5 metres	kg	0.20
15.22	Extra for marking of structural steel work required to be re-erected.	kg	1.00

Code No.	Description	Unit	Rate Rs.
15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.		
	15.23.1 For thickness of tiles 10 mm to 25 mm	sqm	18.40
	15.23.2 For thickness of tiles above 25 mm and upto 40 mm	sqm	28.30
15.24	Demolishing dry brick pitching in floors, drains etc. including stacking serviceable material and disposal of unserviceable material within 50 metres lead.	cum	321.80
15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	sqm	63.60
15.26	Demolishing brick tile covering in terracing including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	sqm	26.30
15.27	Demolishing mud phaska in terracing and disposal of material within 50 metres lead	cum	221.10
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	sqm	40.20
	15.28.2 Asbestos sheet	sqm	19.00
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:	cum	636.20
15.3	Dismantling jack arch roofing and floors including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	sqm	61.40
15.31	Dismantling tiled roofing with battens boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	sqm	49.90
15.32	Demolishing thatch roofing including mats,bamboo,jaffari etc, complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead .	sqm	13.80
15.33	Dismantling wooden bailies in posts and struts including stacking within 50 metres lead	m	5.00
15.34	Dismantling and stacking 50 metres lead.tencing posts or struts including all earth work and dismantling of concrete etc. in base of:		
	15.34.1 T' or 'l.' iron or pipe	each	74.10
	15,34.2 R. C. C.	each	89.25
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.	each	8.60
15.36	Dis nantling barbed wire or flexible rope in fencing including making roll;; and stacking within 50 metres lead.	kg	8.60

Code No.	Description	Unit	Rate Rs.
15.37	Dismantling wooden trellis work excluding frames but including stacking the serviceable material within 50 metres lead.	sqm	15.90
15.38	Dismantling expanded metal or R.R.C. fabrics with necessary battens and beading including stacking the serviceable material within 50 metres lead.	sqm	18.60
15.39	Dismantling wooden boardings in lining of walls and partitions, excluding supporting members but including stacking within 50 metres lead.		
15.39.1	Upto 10 mm thick	sqm	15.40
15.39.2	Thickness above 10 mm upto 25 mm	sqm	19.70
15.39.3	Thickness above 25 mm upto 40 mm	sqm	23.50
15.4	Dismantling precast concrete or stone slabs in walls , partition walls etc. including stacking within 50 metres lead.		
15.40.1	Thickness upto 40 mm	sqm	69.70
15.40.2	Thickness above 40 mm upto 75 mm	sqm	104.30
15.41	Dismantling cement asbestos, Celotax or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.	sqm	14.20
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 .	m	18.10
15.42.2	100 mm dia pipe	m	18.70
15.42.3	150 mm dia pipe	m	19.40
15.43	Dismantling including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.		
15.43.1	Water bound macadam road	sqm	54.40
15.43.2	Bituminous road	sqm	104.70
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 including stacking of pipes , lead at site within 50 metres lead.		
15.45.1	Upto 150 mm diameter	m	102.20
15.45.2	Above 150 mm dia upto 300 mm dia	m	140.70
15.45.3	Above 300 mm diameter	m	184.80
15.46	Dismantling 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	m	183.40
15.46.2	Above 600 mm diameter	m	454.00

Code No.	Description	Unit	Rate Rs.
15.47	Dismantling asbestos cement pressure pipes including excavation and refilling trenches after taking out the pipes and stacking the pipes within 50 metres lead .		
	15.47.1 Upto 150 mm diameter	m	76.90
	15.47.2 Above 150 mm diameter	m	93.50
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 materials into municipal dumps within 50 metres lead.	each	172.10
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	each	101.80
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.	each	1127.40
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 materials into municipal dumps within 50 metres lead including refilling the excavated	each	232.30
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.	each	240.90
15.53	Dismantling of C.I. sluice valve including stacking of useful materials within a lead of 50 metres.		
	15.53. Upto 150 mm dia .	nos	88.80
	15.53.L Above 150 mm diameter	nos	297.80
15.54	Dismantling of spindle fire hydrant including stacking of useful materials within 50 metres lead	nos	175.70
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)	nos	256.70
	15.55.2 210x120 cm (outside to outside)	nos	393.90
	15.55.3 320x120 cm (outside to outside)	nos	557.20
15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	sqm	12.80

Code No.	Description	Unit	Rate Rs.
15.57	Dismantling aluminium/Gypsum 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.	sqm	14.20
BARRICADING WORK			
15.58	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.	Per m	150.20
15.58A	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.	Per cum	1084.10
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.	Per cum	162.70
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.	Per cum	124.90

SUB HEAD : 17.0
SANITARY INSTALLATIONS

17.0 Sanitary Installations

Code No.	Description	Unit	Rate Rs.
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 fixtures complete, including cutting and making good the walls and level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and floors wherever required :		
17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	each	3049.30
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	each	6735.90
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. flushing 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	each	2970.00
17.2.2	W.C. pan with ISI marked black solid plastic seat and lid	each	2903.00
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	each	4416.00
17.3.2	W.C. pan with ISI marked black solid plastic seat and lid	each	4391.50
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 brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :		
17.4.1	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	each	2859.90
17.4.2	Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern	each	4685.90
17.4.3	Range of three urinal basins with 10litre white P.V.C. automatic flushing cistern	each	6205.20
17.4.4	Range of four urinal basins with 10 litre white P.V.C. automatic flushing cistern	each	8579.90

Code No.	Description	Unit	Rate Rs.
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 lush 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 P.V.C. automatic flushing cistern	each	5460.00
17.5.2	Range of two half stall urinals with 5 litre P.V.C. automatic flushing cistern	each	8689.20
17.5.3	Range of three half stall urinals with 10 litre P.V.C. automatic flushing cistern	each	11542.20
17.5.4	Range of four half stall urinals with 10 litre P.V.C. automatic flushing cistern	each	14257.60
17.6	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. 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 P.V.C. automatic flushing cistern	each	3432.50
17.6.2	Range of two squatting plates with 5 litre P.V.C. automatic flushing cistern	each	5067.10
17.6.3	Range of three squatting plates with 10 litre P.V.C. automatic flushing cistern	each	6733.10
17.6.4	Range of four squatting plates with 10 litre P.V.C. automatic flushing cistern	each	8233.50
17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require :		
17.7.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	each	2093.50
17.7.2	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	each	1818.50
17.7.3	White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	each	1879.80
17.7.4	White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	each	1604.90
17.7.5	White Vitreous China Angle back wash basin size 600x480 mm with single 15 mm C.P. brass pillar tap	each	1818.50
17.7.6	White Vitreous China Angle back wash basin size 400x400 mm with single 15 mm C.P. brass pillar tap	each	1452.30
17.7.7	White Vitreous China Flat back wash basin size 450x300 mm with single 15 mm C.P. brass pillar tap	each	1452.30

Code No.	Description	Unit	Rate Rs.
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	each	3747.50
17.7.9	White Vitreous China Surgeon type wash basin of size 660x460 mm with single 15 mm C.P. brass pillar taps with elbow operated levers ISI marked	each	2874.40
17.7.10	Stainless Steel AISI-304(18/8) Round basin 405x355 mm with single 15 mm C.P. brass pillar tap	each	3191.80
17.7.11	Stainless Steel AISI-304(18/8) Wash basin 530x345 mm with single 15 mm C.P. brass pillar tap	each	2947.70
17.8	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	each	1021.20
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 600x450x250 mm	each	2351.50
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	each	7099.60
17.10.1.2	510x1040 mm bowl depth 225 mm	each	6812.80
17.10.1.3	510x1040 mm bowl depth 200 mm	each	5958.30
17.10.1.4	510x1040 mm bowl depth 178 mm	each	4432.40
17.10.2	Kitchen sink without drain board		
17.10.2.1	610x510 mm bowl depth 200 mm	each	4394.00
17.10.2.2	610x460 mm bowl depth 200 mm	each	3978.60
17.10.2.3	470x420 mm bowl depth 178 mm	each	3093.60
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 40mm C.P. brass trap with 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	each	2125.60
17.11.2	Size 600x450x200 mm	each	2986.20
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	each	1164.10
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	each	889.40
17.13.2	Orissa pattern W.C. pan of size 580x440 mm	each	1292.20
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	each	659.20

Code No.	Description	Unit	Rate Rs.
17.15	Providing and fixing white vitreous china pedestal type (European type/wash down type) water closet pan.	each	1194.50
17.16	Extra for using coloured pedestal type W.C pan (European type)with low level cistern of same colour instead of white vitreous china W.C pan and cistern.	each	1519.80
17.17	Providing and fixing a pair of white vitreous china foot rests of standard pattern for squatting pan water closet :		
	17.17.1 250x130x30 mm	pair	158.40
	17.17.2 250x125x25 mm	pair	158.40
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	each	859.40
	17.18.2 10 litre capacity - coloured	each	918.10
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	each	1487.90
	17.19.2 10 litre (full flush) capacity-coloured	each	2128.80
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	each	430.50
	17.20.2 Black solid plastic seat with lid	each	406.10
	17.20.3 Coloured (other than black & white) solid plastic seat with lid	each	699.00
17.21	Deleted.		
17.22	Providing and fixing G.I. inlet connection for flush pipe connecting with W.C. pan.	each	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.	each	786.20
17.24	Providing and fixing white vitreous china squatting plate urinal with integral rim longitudinal flush pipe.	each	1532.00
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	each	1015.70
	17.25.2 Flat back wash basin of size 550x400 mm	each	802.10
	17.25.3 Angle back wash basin of size 600x480 mm	each	1015.70
	17.25.4 Angle back wash basin of size 400x400 mm	each	649.50
	17.25.5 Flat back wash basin of size 450x300 mm	each	649.50
	17.25.6 Surgeon type wash basin of size 660x460 mm	each	1473.50
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	each	1753.70
17.27	Providing and fixing white vitreous china laboratory sink including making all connections excluding cost of fittings :		
	17.27.1 Size 450x300x150 mm	each	1106.70
	17.27.2 Size 600x450x200 mm	each	1967.30

Code No.	Description	Unit	Rate Rs.
17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.		
17.28.1	Semi rigid pipe		
17.28.1.1	32 mm dia	each	78.50
17.28.1.2	40 mm dia	each	84.60
17.28.2	Flexible pipe		
17.28.2.1	32 mm dia	each	76.10
17.28.2.2	40 mm dia	each	78.50
17.29	Providing and fixing 100 mm sand cast Iron grating for gully trap.	each	30.60
17.30	Providing and fixing in position 25 mm diameter mosquito proof coupling of approved municipal design.	each	40.40
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.	each	690.70
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 6 mm thick hard board backing :		
17.32.1	Circular shape 450 mm dia	each	801.30
17.32.2	Rectangular shape 453x357 mm	each	636.90
17.32.3	Oval shape 450x350 mm (outer dimensions)	each	695.80
17.32.4	Rectangular shape 1500x450 mm	each	1272.20
17.33	Providing and fixing 600x120x5 mm glass shelf with edges round off,supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	each	473.70
17.34	Providing and fixing toilet paper holder :		
17.34.1	C.P. brass	each	315.20
17.34.2	Vitreous china	each	296.70
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	metre	887.30
17.35.1.2	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	metre	989.60
17.35.2	75 mm diameter :		
17.35.2.1	Sand cast iron S&S pipe as per IS: 1729	metre	732.30
17.35.2.2	Centrifugally cast (spun) iron socketed pipe as per IS: 3989	metre	795.60
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 :		
17.36.1	75 mm dia pipe	each	43.70
17.36.2	100 mm dia pipe	each	51.50
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 aggregate 20 mm nominal size),including cost of cutting holes and making good the walls etc. :		
17.37.1	For 100 mm dia pipe	each	103.90
17.37.2	For 75 mm dia pipe	each	101.40

Code No.	Description	Unit	Rate Rs.
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	each	357.50
17.38.1.2	Sand cast iron S&S as per IS - 3989	each	403.90
17.38.2	75 mm dia		
17.38.2.1	Sand cast iron S&S as per IS - 1729	each	284.70
17.38.2.2	Sand cast iron S&S as per IS- 3989	each	348.20
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	each	455.20
17.39.1.2	Sand cast iron S&S as per IS : 3989	each	351.40
17.39.2	75 mm dia		
17.39.2.1	Sand cast iron S&S as per IS -1729	each	229.80
17.39.2.2	Sand cast iron S&S as per IS - 3989	each	260.30
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	each	333.10
17.40.1.2	Sand cast iron S&S as per IS - 3989	each	389.20
17.40.2	75 mm dia		
17.40.2.1	Sand cast iron S&S as per IS - 1729	each	290.80
17.40.2.2	Sand cast iron S&S as per IS - 3989	each	327.50
17.41	Providing and fixing double equal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete :		
17.41.1	100x100x100x100 mm		
17.41.1.1	Sand cast iron S&S as per IS - 1729	each	721.00
17.41.1.2	Sand cast iron S&S as per IS - 3989	each	800.30
17.41.2	75x75x75x75 mm		
17.41.2.1	Sand cast iron S&S as per IS - 1729	each	559.40
17.41.2.2	Sand cast iron S&S as per IS - 3989	each	626.50
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	each	662.70
17.42.1.2	Sand cast iron S&S as per IS - 3989	each	784.70
17.42.2	75x75x75x75 mm		
17.42.2.1	Sand cast iron S&S as per IS - 1729	each	444.60
17.42.2.2	Sand cast iron S&S as per IS - 3989	each	586.20
17.43	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete		
17.43.1	100x100x100 mm		
17.43.1.1	Sand cast iron S&S as per IS - 1729	each	508.90
17.43.1.2	Sand cast iron S&S as per IS - 3989	each	654.10
17.43.2	75x75x75 mm		
17.43.2.1	Sand cast iron S&S as per IS - 1729	each	379.90
17.43.2.2	Sand cast iron S&S as per IS - 3989	each	495.90

Code No.	Description	Unit	Rate Rs.	
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	each	577.20
	17.44.1.2	Sand cast iron S&S as per IS - 3989	each	604.10
	17.44.2	75x75x75 mm		
	17.44.2.1	Sand cast iron S&S as per IS - 1729	each	345.80
	17.44.2.2	Sand cast iron S&S as per IS - 3989	each	425.10
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	each	721.30
	17.45.1.2	Sand cast iron S&S as per IS - 3989	each	1087.50
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	each	699.30
	17.46.1.2	Sand cast iron S&S as per IS - 3989	each	1004.50
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	each	538.20
	17.47.1.2	Sand cast iron S&S as per IS - 3989	each	831.10
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	each	479.60
	17.48.1.2	Sand cast iron S&S as per IS - 3989	each	723.70
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	each	699.30
	17.49.1.2	Sand cast iron S&S as per IS 3989	each	674.90
	17.49.2	75x75x75x75 mm		
	17.49.2.1	Sand cast iron S&S as per IS - 1729	each	522.80
	17.49.2.2	Sand cast iron S&S as per IS - 3989	each	541.10
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 iron 1729	each	528.40
	17.50.1.2	Sand cast iron S&S as per IS - 3989	each	546.70
	17.50.2	75x75x75 mm		
	17.50.2.1	Sand cast iron S&S as per IS - 1729	each	412.90
	17.50.2.2	Sand cast iron S&S as per IS - 3989	each	416.60
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	each	723.70
	17.51.1.2	Sand cast iron S&S as per IS - 3989	each	912.90

Code No.	Description	Unit	Rate Rs.
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	each	632.20
	17.52.1.2 Sand cast iron S&S as per IS - 3989	each	693.20
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	each	288.40
	17.53.1.2 With 100 mm dia pipe	each	465.40
	17.53.2 114 mm off sets		
	17.53.2.1 With 75 mm dia pipe	each	394.10
	17.53.2.2 With 100 mm dia pipe	each	495.40
	17.53.3 152 mm off sets		
	17.53.3.1 With 75 mm dia pipe	each	474.00
17.53.3.2 With 100 mm dia pipe	each	604.70	
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	each	296.90
	17.54.2 150 mm off sets		
	17.54.2.1 With 75 mm dia pipe	each	381.20
	17.54.2.2 With 100 mm dia pipe	each	509.40
17.55	Providing and fixing door piece, insertion rubber washer 3mm thick, bolts & nuts complete :		
	17.55.1 100 mm		
	17.55.1.1 Sand cast iron S&S as per IS - 1729	each	538.20
	17.55.1.2 Sand cast iron S&S as per IS - 3989	each	538.20
	17.55.2 75 mm		
	17.55.2.1 Sand cast iron S&S as per IS - 1729	each	376.30
	17.55.2.2 Sand cast iron S&S as per IS - 3989	each	376.30
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	each	259.80
	17.56.1.2 Sand cast iron S&S as per IS - 3989	each	455.20
	17.56.2 75 mm		
	17.56.2.1 Sand cast iron S&S as per IS - 1729	each	206.60
	17.56.2.2 Sand cast iron S&S as per IS - 3989	each	388.50
17.57	Providing and fixing collar :		
	17.57.1 100 mm		
	17.57.1.1 Sand cast iron S&S as per IS - 1729	each	202.50
	17.57.1.2 Sand cast iron S&S as per IS - 3989	each	333.10
	17.57.2 75 mm		
	17.57.2.1 Sand cast iron S&S as per IS - 1729	each	160.20
	17.57.2.2 Sand cast iron S&S as per IS - 3989	each	229.80
17.58	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter :		
	17.58.1 100 mm	each	207.80
	17.58.2 75 mm	each	177.10
	17.58.3 50 mm	each	142.20

Code No.	Description	Unit	Rate Rs.
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	each	70.60
17.59.2	75 mm	each	58.90
17.59.3	50 mm	each	53.80
17.60	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :		
17.60.1	100 mm inlet and 100 mm outlet		
17.60.1.1	Sand cast iron S&S as per IS: 3989	each	849.00
17.60.1.2	Sand Cast Iron S&S as per IS: 1729	each	653.70
17.60.2	100 mm inlet and 75 mm outlet		
17.60.2.1	Sand cast iron S&S as per IS - 3989	each	889.30
17.60.2.2	Sand Cast Iron S&S as per IS- 1729	each	584.10
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 (1 cement : 4 coarse sand) :		
17.61.1	100 mm dia	metre	226.80
17.61.2	75 mm dia	metre	162.80
17.61.3	50 mm dia	metre	104.30
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. complete for new work	each	329.10
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.	each	241.80
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.	each	99.70
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	metre	30.20
17.65.2	75 mm diameter pipe	metre	23.10
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	metre	14.60
17.66.2	75 mm diameter pipe	metre	10.90

Code No.	Description	Unit	Rate Rs.
17.67	Repainting bath tub of size 1700x730x430 mm with enamel paint.	each	334.30
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 fitting 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 wherever 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.	each	6176.10
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 62mm breadth weighing not less than 45 gms	each	104.10
17.69.2	Waste coupling 38 mm dia of 83 mm length and 77mm breadth, weighing not less than 60 gms	each	120.00
17.70	Providing and fixing PTMT Bottle Trap for Wash basin and sink.		
17.70.1	Bottle trap 31mm 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	each	428.80
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	each	463.00
17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	each	191.00
17.72	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	each	183.50
17.73	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings 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	each	377.60
17.73.2	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms	each	419.10
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.	each	458.20

Code No.	Description	Unit	Rate Rs.
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.	each	169.00
17.76	Providing and fixing PTMT urinal cock of approved quality and colour.		
	17.76.1 15 mm nominal bore, 80 mm long, 42 mm high and 30mm wide with BSP female threads weighing not less than 48 gms	each	163.10
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 4nos, 6mm 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 x1.6 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 25x6 mm, one bolts on each side of the pipe.		
	17.77.1 Total bracket length 580 mm of approved shape and design (for single 100 mm dia pipe)	each	171.60
	17.77.2 Total bracket length 810 mm of approved shape and design (for two 100 mm dia pipes)	each	205.00
	17.77.3 Total bracket length 1040 mm of approved shape and design (for three 100 mm dia pipes)	each	238.40
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 (adjustable to 4 litre/8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	each	10052.00
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.	each	22767.90
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.	each	17396.90

SUB HEAD : 18.0
WATER SUPPLY

18.0 Water Supply

Code No.	Description	Unit	Rate Rs.
PE - AL - PE COMPOSITE PRESSURE PIPES			
18.1	Providing and fixing Polyethelene-Aluminium-Polyethelene (PE-ALPE) 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 OC, 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 metre spacing. This includes testing of joints complete as per direction of the Engineer in charge.		
Internal work - Exposed on wall			
18.1.1	1216 (16 mm OD) pipe	metre	197.50
18.1.2	1620 (20 mm OD) pipe	metre	249.80
18.1.3	2025 (25 mm OD) pipe	metre	310.00
18.1.4	2532 (32 mm OD) pipe	metre	389.40
18.1.5	3240 (40 mm OD) pipe	metre	621.50
18.1.6	4050 (50 mm OD) pipe	metre	677.10
18.2	Providing and fixing Polyethelene-Aluminium-Polyethelene (PE-ALPE) 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 OC, 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 metre spacing. This includes the costs of cutting chases and including testing 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	metre	306.90
18.2.2	1620 (20 mm OD) pipe	metre	370.90
18.2.3	2025 (25 mm OD) pipe	metre	445.70
18.2.4	2532 (32 mm OD) pipe	metre	541.80
18.3	Providing and fixing Polyethelene-Aluminium-Polyethelene (PE-ALPE) 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 OC, 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	metre	190.10
18.3.2	1620 (20 mm OD) pipe	metre	237.70
18.3.3	2025 (25 mm OD) pipe	metre	293.30
18.3.4	2532 (32 mm OD) pipe	metre	364.70
18.3.5	3240 (40 mm OD) pipe	metre	585.70
18.3.6	4050 (50 mm OD) pipe	metre	641.20
PP- R PIPES			

Code No.	Description	Unit	Rate Rs.
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	metre	105.50
	18.4.2 PN - 16 Pipe, 20 mm OD	metre	141.90
	18.4.3 PN - 16 Pipe, 25 mm OD	metre	195.70
	18.4.4 PN - 16 Pipe, 32 mm OD	metre	289.50
	18.4.5 PN - 16 Pipe, 40 mm OD	metre	420.00
18.4.6 PN - 16 Pipe, 50 mm OD	metre	610.40	
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 walls etc..		
	18.5.1 PN - 16 Pipe, 16 mm OD	metre	183.00
	18.5.2 PN - 16 Pipe, 20 mm OD	metre	225.70
	18.5.3 PN - 16 Pipe, 25 mm OD	metre	291.90
18.5.4 PN - 16 Pipe, 32 mm OD	metre	407.30	
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)	metre	98.10
	18.6.2 PN - 16 Pipe, 20 mm OD (SDR - 7.4)	metre	126.30
	18.6.3 PN - 16 Pipe, 25 mm OD (SDR - 7.4)	metre	182.50
	18.6.4 PN - 16 Pipe, 32 mm OD (SDR - 7.4)	metre	268.20
	18.6.5 PN - 16 Pipe, 40 mm OD (SDR - 7.4)	metre	384.10
	18.6.6 PN - 16 Pipe, 50 mm OD (SDR - 7.4)	metre	574.60
	18.6.7 PN - 16 Pipe, 63 mm OD (SDR - 7.4)	metre	871.20
	18.6.8 PN - 16 Pipe, 75 mm OD (SDR - 7.4)	metre	1167.90
	18.6.9 PN - 16 Pipe, 90 mm OD (SDR - 7.4)	metre	1767.20
	18.6.10 PN - 10 Pipe, 110 mm OD (SDR - 11)	metre	1979.80
18.6.11 PN - 10 Pipe, 160 mm OD (SDR - 11)	metre	4083.50	
	C.P.V.C. PIPES		

Code No.	Description	Unit	Rate Rs.
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	metre	138.70
	18.7.2 20 mm nominal outer dia Pipes	metre	164.00
	18.7.3 25 mm nominal outer dia Pipes	metre	206.80
	18.7.4 32 mm nominal outer dia Pipes	metre	270.40
	18.7.5 40 mm nominal outer dia Pipes	metre	375.60
18.7.6 50 mm nominal outer dia Pipes	metre	558.10	
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, 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.		
	Concealed work, including cutting chases and making good the walls etc.		
	18.8.1 15 mm nominal outer dia Pipes	metre	221.40
	18.8.2 20 mm nominal outer dia Pipes	metre	249.20
	18.8.3 25 mm nominal outer dia Pipes	metre	306.90
18.8.4 32 mm nominal outer dia Pipes	metre	381.60	
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	metre	126.60
	18.9.2 20 mm nominal outer dia Pipes	metre	147.30
	18.9.3 25 mm nominal outer dia Pipes	metre	193.60
	18.9.4 32 mm nominal outer dia Pipes	metre	249.10
	18.9.5 40 mm nominal outer dia Pipes	metre	339.70
	18.9.6 50 mm nominal outer dia Pipes	metre	522.20
	18.9.7 62.50 mm nominal inner dia Pipes	metre	1501.20
	18.9.8 75 mm nominal inner dia Pipes	metre	2120.10
	18.9.9 100 mm nominal inner dia Pipes	metre	2932.00
18.9.10 150 mm nominal inner dia Pipes	metre	3528.00	
18.10	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.		
	Internal work - Exposed on wall		
	18.10.1 15 mm dia nominal bore	metre	167.90
	18.10.2 20 mm dia nominal bore	metre	207.70
	18.10.3 25 mm dia nominal bore	metre	269.20
	18.10.4 32 mm dia nominal bore	metre	319.20
	18.10.5 40 mm dia nominal bore	metre	394.10
18.10.6 50 mm dia nominal bore	metre	489.10	

Code No.	Description	Unit	Rate Rs.
18.11	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c 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	metre	229.60
	18.11.2 20 mm dia nominal bore	metre	265.50
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	metre	146.40
	18.12.2 20 mm dia nominal bore	metre	177.60
	18.12.3 25 mm dia nominal bore	metre	231.30
	18.12.4 32 mm dia nominal bore	metre	268.70
	18.12.5 40 mm dia nominal bore	metre	322.40
	18.12.6 50 mm dia nominal bore	metre	391.10
	18.12.7 65 mm dia nominal bore	metre	515.10
18.12.8 80 mm dia nominal bore	metre	633.60	
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	each	267.40
	18.13.2 50 to 80 mm nominal bore	each	637.80
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).	each	212.50
	BRASS FITTINGS		
18.15	Providing and fixing brass bib cock of approved quality :		
	18.15.1 15 mm nominal bore	each	273.00
	18.15.2 20 mm nominal bore	each	294.20
18.16	Providing and fixing brass stop cock of approved quality :		
	18.16.1 15 mm nominal bore	each	273.00
	18.16.2 20 mm nominal bore	each	361.40
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	each	449.50
	18.17.2 32 mm nominal bore.	each	525.70
	18.17.3 40 mm nominal bore	each	613.90
	18.17.4 50 mm nominal bore	each	811.40
	18.17.5 65 mm nominal bore	each	1351.60
	18.17.6 80 mm nominal bore	each	2016.50
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	each	300.90
	18.18.2 20 mm nominal bore	each	427.90
	18.18.3 25 mm nominal bore	each	469.40

Code No.	Description	Unit	Rate Rs.
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	each	430.80
18.19.1.2	Vertical	each	467.40
18.19.2	32 mm nominal bore		
18.19.2.1	Horizontal	each	579.90
18.19.2.2	Vertical	each	665.40
18.19.3	40 mm nominal bore		
18.19.3.1	Horizontal	each	716.90
18.19.3.2	Vertical	each	948.80
18.19.4	50 mm nominal bore		
18.19.4.1	Horizontal	each	1037.20
18.19.4.2	Vertical	each	1269.10
18.19.5	65 mm nominal bore		
18.19.5.1	Horizontal	each	1857.80
18.19.5.2	Vertical	each	2126.30
18.19.6	80 mm nominal bore		
18.19.6.1	Horizontal	each	2629.80
18.19.6.2	Vertical	each	3569.70
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	each	254.10
18.20.2	20 mm nominal bore	each	281.80
18.20.3	25 mm nominal bore	each	365.40
18.21	Providing and fixing uplasticised PVC connection pipe with brass ions :		
18.21.1	30 cm length		
18.21.1.1	15 mm nominal bore	each	61.80
18.21.1.2	20 mm nominal bore	each	68.00
18.21.2	45 cm length		
18.21.2.1	15 mm nominal bore	each	70.60
18.21.2.2	20 mm nominal bore	each	86.50
18.22	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :		
18.22.1	100 mm diameter	each	75.00
18.22.2	150 mm diameter	each	89.90
	C.I./ DUCTILE IRON PIPES & SPECIALS		
18.23	Laying in position centrifugally cast (spun) iron S&S or flanged pipes (excluding cost of pipe).	quintal	89.60
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).	quintal	228.00
18.25	Providing and laying S&S C.I. standard specials such as tees, bends,collars, tapers, caps etc. (Heavy class) :		
18.25.1	Up to 300 mm dia	quintal	4633.70
18.25.2	Over 300 mm dia	quintal	4755.80

Code No.	Description	Unit	Rate Rs.
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	Up to 300 mm dia	quintal	6953.00
18.26.2	Over 300 mm dia	quintal	7319.20
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	metre	1119.10
18.27.2	125 mm dia pipe	metre	1394.00
18.27.3	150 mm dia pipe	metre	1681.40
18.27.4	200 mm dia pipe	metre	2857.30
18.27.5	250 mm dia pipe	metre	3729.60
18.27.6	300 mm dia pipe	metre	5030.20
18.27.7	350 mm dia pipe	metre	6031.10
18.27.8	400 mm dia pipe	metre	7949.90
18.27.9	450 mm dia pipe	metre	9626.50
18.27.10	500 mm dia pipe	metre	11175.50
18.27.11	600 mm dia pipe	metre	15631.90
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	each	142.8
18.28.2	125 mm diameter pipe	each	209
18.28.3	150 mm diameter pipe	each	214.4
18.28.4	200 mm diameter pipe	each	283.7
18.28.5	250 mm diameter pipe	each	354.4
18.28.6	300 mm diameter pipe	each	427.7
18.28.7	350 mm diameter pipe	each	446.1
18.28.8	400 mm diameter pipe	each	576.9
18.28.9	450 mm diameter pipe	each	645.7
18.28.10	500 mm diameter pipe	each	684.20
18.28.11	600 mm diameter pipe	each	916.90
18.29	Supplying pig lead at site of work.	quintal	10997.30
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	each	106.10
18.30.2	100 mm diameter pipe	each	179.70
18.30.3	125 mm diameter pipe	each	182.20
18.30.4	150 mm diameter pipe	each	217.10
18.30.5	200 mm diameter pipe	each	223.20
18.30.6	250 mm diameter pipe	each	340.70
18.30.7	300 mm diameter pipe	each	346.80
18.30.8	350 mm diameter pipe	each	481.10
18.30.9	400 mm diameter pipe	each	705.20
18.30.10	450 mm diameter pipe	each	876.20
18.30.11	500 mm diameter pipe	each	1001.30
18.30.12	600 mm diameter pipe	each	1177.40
	C.I. SLUICE VALVES/ FIRE HYDRANTS & FIXTURES		

Code No.	Description	Unit	Rate Rs.
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	each	3407.30
18.31.1.2	Class II	each	4046.30
18.31.2	125 mm diameter		
18.31.2.1	Class I	each	3672.80
18.31.2.2	Class II	each	4800.10
18.31.3	150 mm diameter		
18.31.3.1	Class I	each	5002.00
18.31.3.2	Class II	each	5890.00
18.31.4	200 mm diameter		
18.31.4.1	Class I	each	9892.30
18.31.4.2	Class II	each	12048.90
18.31.5	250 mm diameter		
18.31.5.1	Class I	each	14515.00
18.31.5.2	Class II	each	2494.70
18.31.6	300 mm diameter		
18.31.6.1	Class I	each	20194.20
18.31.6.2	Class II	each	24002.20
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 100x100 x75 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 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm 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	each	1018.40
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 100mm 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 nominalsize) and inside plastering with cement mortar 1:3 (1 cement : 3coarse 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	each	5807.50

Code No.	Description	Unit	Rate Rs.
18.34	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 100mm 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 nominalsize) and inside plastering with cement mortar 1:3 (1 cement : 3coarse 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	each	10657.50
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.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 :		
18.35.1	With common burnt clay F.P.S.(non modular) bricks of class designation 100A	each	14598.40
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 :		
18.36.1	With common burnt clay F.P.S.(non modular) bricks of class designation 100A	each	5917.10
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 100A	each	5229.80

Code No.	Description	Unit	Rate Rs.
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	metre	8.00
18.38.2	20 mm diameter pipe	metre	9.30
18.38.3	25 mm diameter pipe	metre	12.30
18.38.4	32 mm diameter pipe	metre	14.40
18.38.5	40 mm diameter pipe	metre	17.20
18.38.6	50 mm diameter pipe	metre	20.10
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	metre	4.00
18.39.2	20 mm diameter pipe	metre	4.60
18.39.3	25 mm diameter pipe	metre	5.90
18.39.4	32 mm diameter pipe	metre	6.90
18.39.5	40 mm diameter pipe	metre	8.10
18.39.6	50 mm diameter pipe	metre	9.40
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	metre	4.50
18.40.2	20 mm diameter pipe	metre	5.30
18.40.3	25 mm diameter pipe	metre	6.80
18.40.4	32 mm diameter pipe	metre	7.90
18.40.5	40 mm diameter pipe	metre	9.00
18.40.6	50 mm diameter pipe	metre	10.60
18.40.7	65 mm diameter pipe	metre	13.00
18.40.8	80 mm diameter pipe	metre	15.00
18.41	Providing and filling sand of grading zone V or coarser grade, allround the G.I. pipes in external work :		
18.41.1	15 mm diameter pipe	metre	14.50
18.41.2	20 mm diameter pipe	metre	14.70
18.41.3	25 mm diameter pipe	metre	15.10
18.41.4	32 mm diameter pipe	metre	15.50
18.41.5	40 mm diameter pipe	metre	15.70
18.41.6	50 mm diameter pipe	metre	16.30
18.41.7	65 mm diameter pipe	metre	25.70
18.41.8	80 mm diameter pipe	metre	26.50
18.41.9	100 mm diameter pipe	metre	28.00
18.41.10	150 mm diameter pipe	metre	41.70
18.42	Boring with 100 mm diameter casing pipe for hand pump / tubewell, in all soils except ordinary hard rocks requiring blasting, including removing the casing pipe after the hand pump / tube well is lowered and tested :		
18.42.1	Up to 6 metres depth	metre	239.80
18.42.2	Beyond 6 m and up to 12 m depth	metre	285.30
18.42.3	Beyond 12 m and up to 18 m depth	metre	333.00
18.43	Providing and placing in position filters of 40 mm diameter G.I. pipe with brass strainer of approved quality.	metre	581.70
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.	metre	306.30

Code No.	Description	Unit	Rate Rs.
18.45	Providing and placing in position hand pump of approved quality for 40 mm diameter G.I. pipe complete with all accessories.	each	912.30
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	each	134.00
18.46.2	20 mm nominal bore	each	158.40
18.46.3	25 mm nominal bore	each	170.60
18.46.4	32 mm nominal bore	each	213.30
18.46.5	40 mm nominal bore	each	292.70
18.46.6	50 mm nominal bore	each	358.40
18.46.7	65 mm nominal bore	each	614.70
18.46.8	80 mm nominal bore	each	712.40
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	each	260.20
18.47.2	20 mm nominal bore	each	284.60
18.47.3	25 mm nominal bore	each	296.80
18.47.4	32 mm nominal bore	each	328.30
18.47.5	40 mm nominal bore	each	407.70
18.47.6	50 mm nominal bore	each	515.20
18.47.7	65 mm nominal bore	each	771.50
18.47.8	80 mm nominal bore	each	869.20
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. C.P. BRASS FITTINGS	per litre	6.60
18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	481.60
18.50	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	each	835.60
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	each	640.30
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	each	650.10
18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore		
18.53.1	15 mm nominal bore	each	532.40
	PTMT FITTINGS		

Code No.	Description	Unit	Rate Rs.
18.54	Providing and fixing PTMT bib cock of approved quality and colour.		
18.54.1	15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	138.70
18.54.2	15 mm nominal bore, 122mm long, weighing not less than 99 gms	each	187.50
18.54.3	15 mm nominal bore, 165 mm long, weighing not less than 110 gms	each	212.00
18.54.4	15mm nominal bore, 90 mm long, weighing not less than 93 gms	each	193.70
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	each	138.70
18.55.2	20 mm nominal bore, 89 mm long, weighing not less than 88 gms	each	175.30
18.55.3	Concealed stop cock, 15 mm nominal bore, 108 mm long, weighing not less than 108 gms	each	209.50
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	each	214.90
18.56.2	15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	294.20
18.57	Providing and fixing PTMT, push cock of approved quality and colour.		
18.57.1	15 mm nominal bore, 98 mm long, weighing not less than 75 gms	each	126.50
18.57.2	15 mm nominal bore, 80 mm long, weighing not less than 46 gms	each	114.30
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	each	46.40
18.58.1.2	125 mm nominal dia with 25 mm waste hole	each	59.90
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	each	157.50
	AIR VALVE & WATER METER (BULK TYPE)		
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	each	5002.40
18.59.2	80 mm dia	each	6371.70
18.59.3	100 mm dia	each	8496.60
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	each	3215.00
18.60.2	100 mm dia nominal bore	each	4817.20
18.60.3	150 mm dia nominal bore	each	7074.50
18.60.4	200 mm dia nominal bore	each	7682.30

Code No.	Description	Unit	Rate Rs.
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	each	3776.60
	18.61.2 100 mm dia	each	6111.30
	18.61.3 150 mm dia	each	7741.10
	18.61.4 200 mm dia	each	10839.30
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	each	208.10
	18.62.2 20 mm nominal bore, 120 mm long, weighing not less than 198 gms	each	293.60
	18.62.3 25 mm nominal bore, 152mm long, weighing not less than 440 gms	each	579.30
	18.62.4 40 mm nominal bore, 206mm long, weighing not less than 690 gms	each	1018.70
	18.62.5 50 mm nominal bore, 242mm long, weighing not less than 1240 gms	each	1470.40
18.63	Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 gms	each	175.30
18.64	Providing and fixing PTMT swivelling shower, 15 mm nominal bore, weighing not less than 40 gms	each	120.20
18.65	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	each	160.40
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 Up to 300 mm dia	quintal	6892.00
	18.66.2 Above 300 mm dia	quintal	10248.90
18.67	Providing and laying S&S C.I. Standard specials suitable for mechanical jointing as per IS : 13382 :		
	18.67.1 Up to 300 mm dia	quintal	11225.50
	18.67.2 Above 300 mm dia	quintal	11835.80
18.68	Providing and laying D.I. specials of class K-12 suitable for push-on jointing as per IS : 9523 :		
	18.68.1 Up to 600 mm dia	quintal	16108.30
	18.68.2 Above 600 mm dia	quintal	22211.80
18.69	Providing and laying D.I. Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 :		
	18.69.1 Up to 600 mm dia	quintal	16962.80
	18.69.2 Above 600 mm dia	quintal	24225.90

Code No.	Description	Unit	Rate Rs.
18.70	Providing push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and the cost of rubber gasket :		
18.70.1	100 mm dia pipes	joint	53.90
18.70.2	150 mm dia pipes	joint	79.60
18.70.3	200 mm dia pipes	joint	124.90
18.70.4	250 mm dia pipes	joint	150.60
18.70.5	300 mm dia pipes	joint	206.80
18.70.6	350 mm dia pipes	joint	227.60
18.70.7	400 mm dia pipes	joint	381.60
18.70.8	450 mm dia pipes	joint	441.50
18.70.9	500 mm dia pipes	joint	477.50
18.70.10	600 mm dia pipes	joint	607.80
18.70.11	650 mm dia pipes	joint	872.40
18.70.12	700 mm dia pipes	joint	1012.80
18.70.13	800 mm dia pipes	joint	1116.00
18.70.14	900 mm dia pipes	joint	1442.20
18.70.15	1000 mm dia pipes	joint	1708.50
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	metre	1705.40
18.71.2	150 mm dia C.I. Double Flanged Pipe	metre	2668.70
18.71.3	200 mm dia C.I. Double Flanged Pipe	metre	4214.80
18.71.4	250 mm dia C.I. Double Flanged Pipe	metre	5092.00
18.71.5	300 mm dia C.I. Double Flanged Pipe	metre	6508.10
18.71.6	350 mm dia C.I. Double Flanged Pipe	metre	8196.60
18.71.7	400 mm dia C.I. Double Flanged Pipe	metre	10611.40
18.71.8	450 mm dia C.I. Double Flanged Pipe	metre	13516.80
18.71.9	500 mm dia C.I. Double Flanged Pipe	metre	16793.60
18.71.10	600 mm dia C.I. Double Flanged Pipe	metre	23277.5
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	metre	962.60
18.72.2	150 mm dia Ductile Iron Class K-7 pipes	metre	1392.20
18.72.3	200 mm dia Ductile Iron Class K-7 pipes	metre	1926.50
18.72.4	250 mm dia Ductile Iron Class K-7 pipes	metre	2609.20
18.72.5	300 mm dia Ductile Iron Class K-7 pipes	metre	3596.50
18.72.6	350 mm dia Ductile Iron Class K-7 pipes	metre	4282.70
18.72.7	400 mm dia Ductile Iron Class K-7 pipes	metre	4996.20
18.72.8	450 mm dia Ductile Iron Class K-7 pipes	metre	6035.20
18.72.9	500 mm dia Ductile Iron Class K-7 pipes	metre	7126.70
18.72.10	600 mm dia Ductile Iron Class K-7 pipes	metre	9300.70
18.72.11	700 mm dia Ductile Iron Class K-7 pipes	metre	11949.5

Code No.	Description		Unit	Rate Rs.
18.72	18.72.12	800 mm dia Ductile Iron Class K-7 pipes	metre	15034.4
	18.72.13	900 mm dia Ductile Iron Class K-7 pipes	metre	19938.5
	18.72.14	1000 mm dia Ductile Iron Class K-7 pipes	metre	21194.3
	18.72.15	100 mm dia Ductile Iron Class K-9 pipes	metre	995.2
	18.72.16	150 mm dia Ductile Iron Class K-9 pipes	metre	1492.9
	18.72.17	200 mm dia Ductile Iron Class K-9 pipes	metre	2054
	18.72.18	250 mm dia Ductile Iron Class K-9 pipes	metre	2861.2
	18.72.19	300 mm dia Ductile Iron Class K-9 pipes	metre	3558.5
	18.72.20	350 mm dia Ductile Iron Class K-9 pipes	metre	4374.4
	18.72.21	400 mm dia Ductile Iron Class K-9 pipes	metre	5603
	18.72.22	450 mm dia Ductile Iron Class K-9 pipes	metre	6477.5
	18.72.23	500 mm dia Ductile Iron Class K-9 pipes	metre	8178.7
	18.72.24	600 mm dia Ductile Iron Class K-9 pipes	metre	9877
	18.72.25	700 mm dia Ductile Iron Class K-9 pipes	metre	13653.1
	18.72.26	750 mm dia Ductile Iron Class K-9 pipes	metre	15271.8
	18.72.27	800 mm dia Ductile Iron Class K-9 pipes	metre	14979
	18.72.28	900 mm dia Ductile Iron Class K-9 pipes	metre	18079.4
18.72.29	1000 mm dia Ductile Iron Class K-9 pipes	metre	20329.4	
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	metre	2683.4
	18.73.2	150 mm dia Ductile Iron Double Flanged	metre	4306.2
	18.73.3	200 mm dia Ductile Iron Double Flanged	metre	5064.1
	18.73.4	250 mm dia Ductile Iron Double Flanged	metre	4244.7
	18.73.5	300 mm dia Ductile Iron Double Flanged	metre	8577.6
	18.73.6	350 mm dia Ductile Iron Double Flanged	metre	10842.3
	18.73.7	400 mm dia Ductile Iron Double Flanged	metre	13073.3
	18.73.8	450 mm dia Ductile Iron Double Flanged	metre	15892
	18.73.9	500 mm dia Ductile Iron Double Flanged	metre	18595.7
	18.73.10	600 mm dia Ductile Iron Double Flanged	metre	25407
18.74	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.			
	18.74.1	15 mm nominal bore with 30cm length	each	64.30
	18.74.2	15 mm nominal bore with 45 cm length	each	76.80
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	each	46.10
	18.75.2	20mm nominal bore, weighing not less than 40 gms	each	53.30
	18.75.3	25mm nominal bore, weighing not less than 62 gms	each	76.60
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) bricks	each	158.10

Code No.	Description	Unit	Rate Rs.
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.	each	138.50
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.	metre	57.70
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.	metre	95.20
18.80	Disinfecting C.I. water mains by flushing with water containing bleaching powder @ 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	100 metre	463.60
18.80.2	100 mm diameter C.I. pipe	100 metre	612.60
18.80.3	125 mm diameter C.I. pipe	100 metre	770.70
18.80.4	150 mm diameter C.I. pipe	100 metre	933.00
18.80.5	200 mm diameter C.I. pipe	100 metre	1260.10
18.80.6	250 mm diameter C.I. pipe	100 metre	1605.00
18.80.7	300 mm diameter C.I. pipe	100 metre	1814.80
18.80.8	350 mm diameter C.I. pipe	100 metre	2036.90
18.80.9	400 mm diameter C.I. pipe	100 metre	2278.10
18.80.10	450 mm diameter C.I. pipe	100 metre	2526.90
18.80.11	500 mm diameter C.I. pipe	100 metre	2794.00
18.80.12	600 mm diameter C.I. pipe	100 metre	3351.20
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. pipe	100 metre	170.50
18.81.2	100 mm diameter C.I. pipe	100 metre	208.50
18.81.3	125 mm diameter C.I. pipe	100 metre	256.60
18.81.4	150 mm diameter C.I. pipe	100 metre	302.50
18.81.5	200 mm diameter C.I. pipe	100 metre	464.60
18.81.6	250 mm diameter C.I. pipe	100 metre	540.70
18.81.7	300 mm diameter C.I. pipe	100 metre	616.00
18.81.8	350 mm diameter C.I. pipe	100 metre	730.70
18.81.9	400 mm diameter C.I. pipe	100 metre	848.00
18.81.10	450 mm diameter C.I. pipe	100 metre	971.50
18.81.11	500 mm diameter C.I. pipe	100 metre	1096.90
18.81.12	600 mm diameter C.I. pipe	100 metre	1357.40

Code No.	Description	Unit	Rate Rs.
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	metre	160.20
18.82.2	100 mm diameter C.I. pipe	metre	164.40
18.82.3	125 mm diameter C.I. pipe	metre	168.40
18.82.4	150 mm diameter C.I. pipe	metre	172.50
18.82.5	200 mm diameter C.I. pipe	metre	189.70
18.82.6	250 mm diameter C.I. pipe	metre	206.50
18.82.7	300 mm diameter C.I. pipe	metre	220.60
18.82.8	350 mm diameter C.I. pipe	metre	233.10
18.82.9	400 mm diameter C.I. pipe	metre	244.30
18.82.10	450 mm diameter C.I. pipe	metre	255.80
18.82.11	500 mm diameter C.I. pipe	metre	265.20
18.82.12	600 mm diameter C.I. pipe	metre	280.00
18.83	Labour for cutting C.I. pipe with steel saw.		
18.83.1	80 mm diameter C.I. pipe	Each cut	38.20
18.83.2	100 mm diameter C.I. pipe	Each cut	51.50
18.83.3	125 mm diameter C.I. pipe	Each cut	72.20
18.83.4	150 mm diameter C.I. pipe	Each cut	97.10
18.83.5	200 mm diameter C.I. pipe	Each cut	129.50
18.83.6	250 mm diameter C.I. pipe	Each cut	160.10
18.83.7	300 mm diameter C.I. pipe	Each cut	192.50
18.83.8	350 mm diameter C.I. pipe	Each cut	223.10
18.83.9	400 mm diameter C.I. pipe	Each cut	255.20
18.83.10	450 mm diameter C.I. pipe	Each cut	286.10
18.83.11	500 mm diameter C.I. pipe	Each cut	318.20
18.83.12	600 mm diameter C.I. pipe	Each cut	377.50
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	each	7123.60
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) Internal work - Exposed on wall		
18.85.1	15.88 mm outer dia pipe	metre	229.30
18.85.2	22.22 mm outer dia Pipe	metre	370.40
18.85.3	28.58 mm outer dia Pipe	metre	468.10
18.85.4	34.00 mm outer dia Pipe	metre	647.00
18.85.5	42.70 mm outer dia Pipe	metre	793.40
18.85.6	48.60 mm outer dia Pipe	metre	919.00

Code No.	Description	Unit	Rate Rs.
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.	metre	288.50
	18.86.2 22.22 mm Outer dia pipes	metre	429.50
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 Engineer-in-charge. Coupling/Socket		
	18.87.1 For 15.88 mm outer dia pipe	each	69.60
	18.87.2 For 22.22 mm outer dia pipe	each	107.40
	18.87.3 For 28.58 mm outer dia pipe	each	131.80
	18.87.4 For 34.00 mm outer dia pipe	each	282.00
	18.87.5 For 42.70 mm outer dia pipe	each	406.80
	18.87.6 For 48.60 mm outer dia pipe	each	544.40
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 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. Reducer		
	18.88.1 For 22.22 mm x 15.88 mm outer dia pipe	each	125.70
	18.88.2 For 28.58 mm x 15.88 mm outer dia pipe	each	172.10
	18.88.3 For 28.58 mm x 22.22 mm outer dia pipe	each	177.00
	18.88.4 For 34.00 mm x 15.88 mm outer dia pipe	each	266.10
	18.88.5 For 34.00 mm x 22.22 mm outer dia pipe	each	289.30
	18.88.6 For 34.00 mm x 28.58 mm outer dia pipe	each	289.30
	18.88.7 For 42.70 mm x 15.88 mm outer dia pipe	each	438.20
	18.88.8 For 42.70 mm x 22.22 mm outer dia pipe	each	441.90
	18.88.9 For 42.70 mm x 28.58 mm outer dia pipe	each	441.90
	18.88.10 For 42.70 mm x 34.00 mm outer dia pipe	each	472.40
	18.88.11 For 48.60 mm x 15.88 mm outer dia pipe	each	571.30
	18.88.12 For 48.60 mm x 22.22 mm outer dia pipe	each	573.70
	18.88.13 For 48.60 mm x 28.58 mm outer dia pipe	each	578.60
	18.88.14 For 48.60 mm x 34.0 mm outer dia pipe	each	584.70
18.88.15 For 48.60 mm x42.70 mm outer dia pipe	each	637.20	

Code No.	Description	Unit	Rate Rs.	
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 direction of Engineer-in-charge.			
	Slip Coupling/ Socket			
	18.89.1	For 15.88 mm outer dia pipe	each	137.90
	18.89.2	For 22.22 mm outer dia pipe	each	224.60
	18.89.3	For 28.58 mm outer dia pipe	each	288.10
	18.89.4	For 34.00 mm outer dia pipe	each	426.00
	18.89.5	For 42.70 mm outer dia pipe	each	598.10
18.89.6	For 48.60 mm outer dia pipe	each	743.40	
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 direction of Engineer-in-charge.			
	Elbow 90o			
	18.90.1	For 15.88mm outer dia pipe	each	105.00
	18.90.2	For 22.22 mm outer dia pipe	each	186.80
	18.90.3	For 28.58 mm outer dia pipe	each	257.60
	18.90.4	For 34.00 mm outer dia pipe	each	523.70
	18.90.5	For 42.70 mm outer dia pipe	each	802.00
18.90.6	For 48.60 mm outer dia pipe	each	986.30	
18.91	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 direction of Engineer-in-charge.			
	Reducing Elbow 90o			
	18.91.1	For 22.22 mm x 15.88 mm outer dia pipe	each	180.70
	18.91.2	For 28.58 mm x 15.88 mm outer dia pipe	each	263.70
	18.91.3	For 28.58 mm x 22.22 mm outer dia pipe	each	269.80
	18.91.4	For 34.00 mm x 22.22 mm outer dia pipe	each	391.80
	18.91.5	For 34.00 mm x 28.58 mm outer dia pipe	each	483.40
18.91.6	For 42.70 mm x 34.00 mm outer dia pipe	each	852.00	
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 direction of Engineer-in-charge.			
	Equal Tee			
	18.92.1	For 15.88 mm outer dia pipe	each	194.10
	18.92.2	For 22.22 mm outer dia pipe	each	282.00
	18.92.3	For 28.58 mm outer dia pipe	each	361.30
	18.92.4	Details of Cost for one no.	each	753.20
	18.92.5	For 42.70 mm outer dia pipe	each	1054.70
18.92.6	For 48.60 mm outer dia pipe	each	1254.90	

Code No.	Description	Unit	Rate Rs.	
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 direction of Engineer-in-charge.			
	Reducing Tee			
	18.93.1	For 22.22 mm x 15.88 mm outer dia pipe	each	274.60
	18.93.2	For 28.58 mm x 15.88 mm outer dia pipe	each	341.80
	18.93.3	For 28.58 mm x 22.22 mm outer dia pipe	each	355.20
	18.93.4	For 34.00 mm x 15.88 mm outer dia pipe	each	668.90
	18.93.5	For 34.00 mm x 22.22 mm outer dia pipe	each	681.20
	18.93.6	For 34.00 mm x 28.58 mm outer dia pipe	each	688.50
	18.93.7	For 42.70 mm x 15.88 mm outer dia pipe	each	999.80
	18.93.8	For 42.70 mm x 22.22 mm outer dia pipe	each	1002.20
	18.93.9	For 42.70 mm x 28.58 mm outer dia pipe	each	1003.40
	18.93.10	For 42.70 mm x 34.00 mm outer dia pipe	each	1013.20
	18.93.11	For 48.60 mm x 15.88 mm outer dia pipe	each	1091.30
	18.93.12	For 48.60 mm x 22.22 mm outer dia pipe	each	1114.50
	18.93.13	For 48.60 mm x 28.58 mm outer dia pipe	each	1123.00
	18.93.14	For 48.60 mm x 34.00 mm outer dia pipe	each	1169.40
18.93.15	For 48.60 mm x 42.70 mm outer dia pipe	each	1212.20	
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 direction of Engineer-in-charge.			
	Male Thread Tee			
	18.94.1	For 15.88 mm outer dia x 15 mm nominal dia threaded	each	349.10
	18.94.2	For 22.22 mm outer dia x 15 mm nominal dia threaded	each	419.90
	18.94.3	For 22.22 mm outer dia x 20 mm nominal dia threaded	each	449.20
	18.94.4	For 28.58 mm outer dia x 15 mm nominal dia threaded	each	505.40
	18.94.5	For 28.58 mm outer dia x 20 mm nominal dia threaded	each	527.40
	18.94.6	For 28.58 mm outer dia x 25 mm nominal dia threaded	each	589.60
	18.94.7	For 34.00 mm outer dia x 15 mm nominal dia threaded	each	734.90
	18.94.8	For 34.00 mm outer dia x 20 mm nominal dia threaded	each	794.70
	18.94.9	For 34.00 mm outer dia x 25 mm nominal dia threaded	each	948.50
	18.94.10	For 34.00 mm outer dia x 32 mm nominal dia threaded	each	1197.50
	18.94.11	For 42.70 mm outer dia x 15 mm nominal dia threaded	each	1121.80
	18.94.12	For 42.70 mm outer dia x 20 mm nominal dia threaded	each	1148.70
	18.94.13	For 42.70 mm outer dia x 25 mm nominal dia threaded	each	1250.00
	18.94.14	For 42.70 mm outer dia x 32 mm nominal dia threaded	each	1387.90
	18.94.15	For 42.70 mm outer dia x 40 mm nominal dia threaded	each	1685.80
	18.94.16	For 48.60 mm outer dia x 15 mm nominal dia threaded	each	1220.70
	18.94.17	For 48.60 mm outer dia x 20 mm nominal dia threaded	each	1257.30
	18.94.18	For 48.60 mm outer dia x 25 mm nominal dia threaded	each	1311.00
	18.94.19	For 48.60 mm outer dia x 32 mm nominal dia threaded	each	1574.70
	18.94.20	For 48.60 mm outer dia x 40 mm nominal dia threaded	each	1746.80
18.94.21	For 48.60 mm outer dia x 50 mm nominal dia threaded	each	2135.00	

Code No.	Description	Unit	Rate Rs.	
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 direction of Engineer-in-charge.			
	Female Thread Tee			
	18.95.1	For 15.88 mm outer dia x 15 mm nominal dia threaded	each	356.50
	18.95.2	For 22.22 mm outer dia x 15 mm nominal dia threaded	each	419.90
	18.95.3	For 22.22 mm outer dia x 20 mm nominal dia threaded	each	434.60
	18.95.4	For 28.58 mm outer dia x 15 mm nominal dia threaded	each	543.20
	18.95.5	For 28.58 mm outer dia x 20 mm nominal dia threaded	each	555.40
	18.95.6	For 28.58 mm outer dia x 25 mm nominal dia threaded	each	607.90
	18.95.7	For 34.00 mm outer dia x 15 mm nominal dia threaded	each	815.40
	18.95.8	For 34.00 mm outer dia x 20 mm nominal dia threaded	each	828.90
	18.95.9	For 34.00 mm outer dia x 25 mm nominal dia threaded	each	935.10
	18.95.10	For 34.00 mm outer dia x 32 mm nominal dia threaded	each	1110.80
	18.95.11	For 42.70 mm outer dia x 15 mm nominal dia threaded	each	1091.30
	18.95.12	For 42.70 mm outer dia x 20 mm nominal dia threaded	each	1110.80
	18.95.13	For 42.70 mm outer dia x 25 mm nominal dia threaded	each	1247.50
	18.95.14	For 42.70 mm outer dia x 32 mm nominal dia threaded	each	1302.50
	18.95.15	For 42.70 mm outer dia x 40 mm nominal dia threaded	each	1418.40
	18.95.16	For 48.60 mm outer dia x 15 mm nominal dia threaded	each	1300.00
	18.95.17	For 48.60 mm outer dia x 20 mm nominal dia threaded	each	1313.50
	18.95.18	For 48.60 mm outer dia x 25 mm nominal dia threaded	each	1361.10
	18.95.19	For 48.60 mm outer dia x 32 mm nominal dia threaded	each	1445.30
18.95.20	For 48.60 mm outer dia x 40 mm nominal dia threaded	each	1505.10	
18.95.21	For 48.60 mm outer dia x 50 mm nominal dia threaded	each	1505.10	
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 direction of Engineer-in-charge.			
	Female Thread Connector/ Adapter			
	18.96.1	For 15.88 mm outer dia x 15 mm nominal dia threaded	each	231.90
	18.96.2	For 22.22 mm outer dia x 15 mm nominal dia threaded	each	280.80
	18.96.3	For 22.22 mm outer dia x 20 mm nominal dia threaded	each	289.30
	18.96.4	For 28.58 mm outer dia x 15 mm nominal dia threaded	each	338.10
	18.96.5	For 28.58 mm outer dia x 20 mm nominal dia threaded	each	349.10
	18.96.6	For 28.58 mm outer dia x 25 mm nominal dia threaded	each	411.40
	18.96.7	For 34.00 mm outer dia x 25 mm nominal dia threaded	each	499.30
	18.96.8	For 34.00 mm outer dia x 32 mm nominal dia threaded	each	656.70
	18.96.9	For 42.70 mm outer dia x 32 mm nominal dia threaded	each	703.10
	18.96.10	For 42.70 mm outer dia x 40 mm nominal dia threaded	each	831.30
	18.96.11	For 48.60 mm outer dia x 40 mm nominal dia threaded	each	1022.90
18.96.12	For 48.60 mm outer dia x 50 mm nominal dia threaded	each	1022.90	

Code No.	Description	Unit	Rate Rs.	
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 direction of Engineer-in-charge.			
	Male Thread Connector/Adapter			
	18.97.1	For 15.88 mm outer dia x 15 mm nominal dia threaded	each	235.60
	18.97.2	For 22.22 mm outer dia x 15 mm nominal dia threaded	each	277.10
	18.97.3	For 22.22 mm outer dia x 20 mm nominal dia threaded	each	302.70
	18.97.4	For 28.58 mm outer dia x 20 mm nominal dia threaded	each	382.10
	18.97.5	For 28.58 mm outer dia x 25 mm nominal dia threaded	each	390.60
	18.97.6	For 34.00 mm outer dia x 25 mm nominal dia threaded	each	562.70
	18.97.7	For 34.00 mm outer dia x 32 mm nominal dia threaded	each	689.70
	18.97.8	For 42.70 mm outer dia x 32 mm nominal dia threaded	each	792.20
	18.97.9	For 42.70 mm outer dia x 40 mm nominal dia threaded	each	886.20
	18.97.10	For 48.60 mm outer dia x 40 mm nominal dia threaded	each	1025.40
18.97.11	For 48.60 mm outer dia x 50 mm nominal dia threaded	each	1389.20	
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 direction of Engineer-in-charge.			
	Valve Connector			
	18.98.1	For 15.88 mm outer dia x 15 mm nominal dia threaded	each	285.70
	18.98.2	For 22.22 mm outer dia x 15 mm nominal dia threaded	each	336.90
	18.98.3	For 22.22 mm outer dia x 20 mm nominal dia threaded	each	360.10
	18.98.4	For 28.58 mm outer dia x 25 mm nominal dia threaded	each	517.60
	18.98.5	For 34.00 mm outer dia x 32 mm nominal dia threaded	each	767.80
	18.98.6	For 42.70 mm outer dia x 40 mm nominal dia threaded	each	1068.10
	18.98.7	For 48.60 mm outer dia x 50 mm nominal dia threaded	each	1435.50
18.99	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 direction of Engineer-in-charge.			
	Female Threaded Elbow 90O			
	18.99.1	For 15.88 mm outer dia x 15 mm nominal dia threaded	each	250.20
	18.99.2	For 22.22 mm outer dia x 15 mm nominal dia threaded	each	335.70
	18.99.3	For 22.22 mm outer dia x 20 mm nominal dia threaded	each	346.70
	18.99.4	For 25.58 mm outer dia x 25 mm nominal dia threaded	each	513.90
	18.99.5	For 34.00 mm outer dia x 32 mm nominal dia threaded	each	894.80
	18.99.6	For 42.70 mm outer dia x 32 mm nominal dia threaded	each	1123.00
	18.99.7	For 42.70 mm outer dia x 40 mm nominal dia threaded	each	1253.00
	18.99.8	For 48.60 mm outer dia x 40 mm nominal dia threaded	each	1346.40
	18.99.9	For 48.60 mm outer dia x 50 mm nominal dia threaded	each	1569.80

Code No.	Description	Unit	Rate Rs.	
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 direction of Engineer-in-charge.			
	Male Threaded Elbow 90O			
	18.100.1	For 15.88 mm outer dia x 15 mm nominal dia threaded	each	263.70
	18.100.2	For 22.22 mm outer dia x 15 mm nominal dia threaded	each	333.20
	18.100.3	For 22.22 mm outer dia x 20 mm nominal dia threaded	each	351.60
	18.100.4	For 28.58 mm outer dia x 25 mm nominal dia threaded	each	460.20
	18.100.5	For 34.00 mm outer dia x 25 mm nominal dia threaded	each	738.50
	18.100.6	For 34.00 mm outer dia x 32 mm nominal dia threaded	each	898.40
	18.100.7	For 42.70 mm outer dia x 32 mm nominal dia threaded	each	1140.10
	18.100.8	For 42.70 mm outer dia x 40 mm nominal dia threaded	each	1293.90
	18.100.9	For 48.60 mm outer dia x 40 mm nominal dia threaded	each	1452.60
18.100.10	For 48.60 mm outer dia x 50 mm nominal dia threaded	each	1768.80	
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 direction of Engineer-in-charge.			
	Cap			
	18.101.1	For 15.88 mm outer dia pipe	each	54.90
	18.101.2	For 22.22 mm outer dia pipe	each	78.10
	18.101.3	For 28.58 mm outer dia pipe	each	102.50
	18.101.4	For 34.00 mm outer dia pipe	each	211.20
	18.101.5	For 42.70 mm outer dia pipe	each	308.80
18.101.6	For 48.60 mm outer dia pipe	each	402.80	
18.102	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 direction of Engineer-in-charge.			
	Pipe Bridge			
	18.102.1	For 15.88 mm outer dia pipe	each	261.20
	18.102.2	For 22.22 mm outer dia pipe	each	330.80
18.102.3	For 28.58 mm outer dia pipe	each	496.80	

SUB HEAD : 19.0
DRAINAGE

19.0 Drainage

Code No.	Description	Unit	Rate Rs.
	NOTE : - The rates given for all the items under sub-head ' Drainage' are applicable to work executed in soils above sub- soil water level. Extra allowance has to be made for work under sub- soil water level.		
STONE WARE PIPES AND FITTINGS			
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	metre	181.20
19.1.2	150 mm diameter	metre	281.90
19.1.3	200 mm diameter	metre	424.60
19.1.5	250 mm diameter	metre	660.30
19.1.6	300 mm diameter	metre	730.60
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	metre	352.70
19.2.2	150 mm diameter S.W. pipe	metre	431.30
19.2.3	200 mm diameter S.W. pipe	metre	502.80
19.2.4	250 mm diameter S.W. pipe	metre	581.40
19.3	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm 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	metre	167.60
19.3.2	150 mm diameter S.W. pipe	metre	271.60
19.3.3	200 mm diameter S.W. pipe	metre	319.30
19.3.4	250 mm diameter S.W. pipe	metre	371.70
19.3.5	300 mm diameter S.W. pipe	metre	428.90
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 300 x300 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 7.5	each	1415.00
19.4.1.2	With Sewer bricks conforming to IS : 4885	each	1442.50
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	each	1453.80
19.4.2.2	With sewer bricks conforming to IS : 4885	each	1481.30
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	each	1553.60
19.4.3.2	With Sewer bricks conforming to IS : 4885	each	1581.10

Code No.	Description	Unit	Rate Rs.
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	metre	21.00
19.5.2	150 mm diameter	metre	23.30
19.5.3	200 mm diameter	metre	24.90
19.5.4	250 mm diameter	metre	26.40
19.5.5	300 mm diameter	metre	28.00
19.5.6	350 mm diameter	metre	32.10
19.5.7	400 mm diameter	metre	35.10
19.5.8	450 mm diameter	metre	36.70
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	metre	305.50
19.6.2	150 mm dia. R.C.C. pipe	metre	329.40
19.6.3	250 mm dia. R.C.C. pipe	metre	430.40
19.6.4	300 mm dia. R.C.C. pipe	metre	471.10
19.6.5	450 mm dia. R.C.C. pipe	metre	646.40
19.6.6	500 mm dia. R.C.C. pipe	metre	881.60
19.6.7	600 mm dia. R.C.C. pipe	metre	1325.10
19.6.8	700 mm dia. R.C.C. pipe	metre	1507.20
19.6.9	800 mm dia. R.C.C. pipe	metre	1693.90
19.6.10	900 mm dia. R.C.C. pipe	metre	1876.80
19.6.11	1000 mm dia. R.C.C. pipe	metre	2320.60
19.6.12	1100 mm dia. R.C.C. pipe	metre	2739.80
19.6.13	1200 mm dia. R.C.C. pipe	metre	2897.00
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		
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 7.5	each	6958.90
19.7.1.2	With Sewer bricks conforming to IS : 4885	each	7031.00
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	each	15986.50

Code No.	Description	Unit	Rate Rs.	
19.7	19.7.2.2	With Sewer bricks conforming to IS : 4885	each	16183.60
	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	each	20772.20
	19.7.3.2	With Sewer bricks conforming to IS : 4885	each	20941.80
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	metre	5217.80
	19.8.1.2	With Sewer bricks conforming to IS : 4885	metre	5427.60
	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	metre	6242.60
	19.8.2.2	With Sewer bricks conforming to IS : 4885	metre	6492.70
19.9	Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56m 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 (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 :			
19.9.1	0.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 mm internal diameter conforming to I.S. 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 12mm 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 7.5	each	7136.80	
19.9.1.2	With Sewer bricks conforming to IS : 4885	each	7204.60	
19.10	Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91 m to 1.67 m			
	19.10.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	metre	4630.09
	19.10.2	With Sewer bricks conforming IS : 4885	metre	4630.09

Code No.	Description	Unit	Rate Rs.
19.11	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 :		
19.11.1	1.68 m deep with SFRC Cover and frame (heavy duty HD-20 grade designation) 560 mm internal diameter conforming to I.S. 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) :		
19.11.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	13391.90
19.11.1.2	With Sewer bricks conforming IS : 4885	each	14198.20
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	metre	5778.90
19.12.2	With Sewer bricks conforming IS : 4885	metre	6008.20
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 I.S. 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 designation 100A	each	29182.50
19.13.1.2	With Sewer bricks conforming IS : 4885	each	29873.30

Code No.	Description	Unit	Rate Rs.
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 100A	metre	13978.60
19.14.2	With Sewer bricks conforming IS : 4885	metre	14571.60
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	each	208.00
19.15.2	With 20 mm diameter round bar	each	173.30
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 mmx25 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 isible 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.	each	208.00
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	each	238.70
19.17.2	With 20 mm diameter round bar	each	204.00
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 less than 23 kg	each	1264.50
19.18.2	500 mm diameter C.I. cover (medium duty) the weight of the cover to be not less than 58 kg	each	2864.40
19.18.3	560 mm diameter C.I. cover (heavy duty) the weight of the cover to be not less than 108 kg	each	6165.80
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	each	1111.40
19.19.1.2	Square shape 450 mm internal dimensions	each	950.80
19.19.1.3	Circular shape 450 mm internal diameter	each	889.80
19.19.2	M D - 10		
19.19.2.1	Square shape 450 mm internal dimension	each	1056.80
19.19.2.2	Circular shape 500 mm internal diameter	each	969.50
19.19.3	H D - 20		
19.19.3.1	Circular shape 560 mm internal diameter	each	1528.10
19.19.4	EHD - 35		
19.19.4.1	Circular shape 560 mm internal dia	each	1680.70

Code No.	Description	Unit	Rate Rs.
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	each	287.50
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	each	254.60
19.21.2	For pipes 250 to 300 mm diameter	each	305.30
19.21.3	For pipes 350 to 450 mm diameter	each	445.30
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	each	4760.00
19.22.2	150 mm dia sand cast iron drop connection	each	6364.70
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	metre	1579.00
19.23.2	For 150 mm dia sand cast iron drop connection	metre	2131.10
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	each	684.30
19.24.2	Rectangular manhole 120x90 cm and 90 cm deep	each	1212.00
19.24.3	Rectangular arch type manhole 140x90 cm and 2.45 m deep	each	2035.60
19.24.4	Circular manhole 122 cm diameter and 1.68 m deep	each	1559.80
19.25	Extra for depth of manholes dismantled :		
19.25.1	Rectangular manhole 90x80 cm and beyond 45 cm depth	metre	490.10
19.25.2	Rectangular manhole 120x90 cm and beyond 90 cm depth	metre	583.50
19.25.3	Rectangular arch type manhole 140x90 cm and beyond 2.45 m depth (up to 4.25 m depth)	metre	470.90
19.25.4	Circular manhole 122 cm diameter and beyond 1.68 m depth (up to 2.29 m depth)	metre	531.60

Code No.	Description	Unit	Rate Rs.
19.26	Raising manhole cover and frame slab to required level including dismantling 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	each	1110.40
19.26.2	Rectangular manhole 120x90 cm with circular cover 500 mm dia of grade MD - 10	each	1738.00
19.26.3	Rectangular manhole 120x90 cm with circular cover 560 mm dia of grade HD - 20	each	1620.70
19.26.4	Circular manhole 140 cm dia with circular cover 600 mm dia of grade EHD - 35	each	166.60
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) bricks of class designation 7.5	each	3384.80
19.28	Constructing brick masonry road gully chamber 45x45x77.5 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) with precast 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 7.5	each	3831.50
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) bricks of class designation 7.5	each	6406.60
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 7.5	each	4147.30
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 7.5	each	4685.90
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 7.5	each	5352.70

Code No.	Description	Unit	Rate Rs.
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	metre	3645.80
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	metre	3972.10
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	metre	4618.60
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) bricks of class designation 7.5	each	28775.50
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.	each	3248.30
19.34	Providing and fixing S.W. intercepting trap in manholes with stiff mixture of cement mortar 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :		
19.34.1	100 mm dia	each	281.30
19.34.2	150 mm dia	each	380.30
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 proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete		
19.35.1	450 mm dia RCC pipes.	metre	1925.40
19.35.2	600 mm dia RCC pipes.	metre	2528.70
19.35.3	900 mm dia RCC pipes.	metre	3988.30
19.35.4	1000 mm dia RCC pipes. (Laying by manual/machanical means)	metre	4923.30
19.35.5	1200 mm dia RCC pipes. (Laying by manual/machanical means)	metre	6454.20
19.35.6	1800 mm dia RCC pipes. (Laying by manual/machanical means)	metre	11957.10
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.	metre	2214.70
19.36.2	600 mm dia RCC pipes.	metre	2913.20
19.36.3	900 mm dia RCC pipes.	metre	5752.20
19.36.4	1000 mm dia RCC pipes.(Laying machanical means)	metre	6974.10
19.36.5	1200 mm dia RCC pipes. (Laying machanical means)	metre	8248.70
19.36.6	1800 mm dia RCC pipes. (Laying machanical means)	metre	17077.30

SUB HEAD : 20.0
PILE WORK

20.0 Pile Work

Code No.	Description	Unit	Rate Rs.
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	metre	1725.10
20.1.2	450 mm dia piles	metre	2106.00
20.1.3	500 mm dia piles	metre	2531.60
20.1.4	550 mm dia piles	metre	2706.00
20.1.5	750 mm dia piles	metre	4503.20
20.1.6	1000 mm dia piles	metre	7323.10
20.1.7	1200 mm dia piles	metre	9260.10
20.1.8	1500 mm dia piles	metre	12758.50
20.2	Boring, providing and installing bored cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry a safe 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. 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	metre	884.70
20.2.2	400 mm dia piles	metre	1129.40
20.2.3	450 mm dia piles	metre	1388.10
20.2.4	500 mm dia. piles	metre	1642.70
20.2.5	600 mm dia piles	metre	2186.00
20.2.6	750 mm dia piles	metre	3263.50
20.2.7	1000 mm dia piles	metre	7349.80
20.2.8	1200 mm dia piles	metre	9411.60
20.2.9	1500 mm dia piles	metre	13254.50
20.3	Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M-25 cement concrete, to carry a safe working 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	metre	1978.90
20.3.2	400 mm dia piles	metre	2309.00
20.3.3	450 mm dia piles	metre	2505.00
20.3.4	550 mm dia piles	metre	2739.80

Code No.	Description	Unit	Rate Rs.
20.3A	20.3A.1 Making 25 cm (10") dia bore up to 4 mtr depth below ground with hand auger of approved quality in ordinary soil (vide classification of soil item A) true to plumb and without eccentricity in any stage of operation and disposal of the excavated earth up to 50 mtr , Lead including all lifts , all complete as per approved design and direction of E/I Details of cost for 4 piles of 4 m= 16 mtrs depth)	metre	107.10
	20.3A.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 item - A) true to plumb and without eccentricity in any stage of operation and disposal of the excavated earth up to 50 mts lead including all lifts , all complete as per approved design and direction of (E/I)	Each	114.30
20.4	Extra over item No. 23.3 for providing additional bulb in under reamed piles, under specified dia meter (Only the quantity of extra bulbs are to be paid).		
	20.4.1 300mm dia piles	each	1284.50
	20.4.2 400mm dia piles	each	1434.50
	20.4.3 450 mm dia piles	each	1525.20
	20.4.4 550 mm dia piles	each	1679.10
20.5	Providing, driving and installing driven Pre-cast reinforced cement concrete piles of specified diameter and length below the pile cap in M-25 cement concrete to 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	metre	2150.10
	20.5.2 450 mm dia piles	metre	2500.80
	20.5.3 500 mm dia piles	metre	2661.10
	20.5.4 550 mm dia piles	metre	2959.00
	20.5.5 750 mm dia piles	metre	5172.60
	20.5.6 1000 mm dia piles	metre	6913.20
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	per test	40527.30
	20.6.1.2 Routine test	per test	18310.50
	20.6.2 Single pile above 50 tonne and upto 100 tonne capacity		
	20.6.2.1 Initial test	per test	49194.30
	20.6.2.2 Routine test	per test	28076.10
	20.6.3 Group of two or more piles upto 50 tonne capacity		
	20.6.3.1 Initial test	per test	59204.00
	20.6.3.2 Routine test	per test	36010.70

Code No.	Description	Unit	Rate Rs.
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	per test	18310.50
	20.7.1.2 Above 50 tonne and upto 100 tonne capacity pile	per test	28076.10
	20.7.2 Group of two piles		
	20.7.2.1 Upto 50 tonne capacity each	per test	36010.70
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	per test	18310.50
	20.8.2 Above 50 tonne and upto 100 tonne capacity pile	per test	28808.60
20.9	Integrity testing of Pile using Low Strain/ Sonic Integrity Test/ Sonic Echo Test method in accordance with IS 14893 including surface preparation of pile top by removing soil, mud, dust & chipping lean concrete lumps etc. and use of computerised equipment and high skill trained personal for conducting the test & submission of results, all complete as per direction of Engineer-in-charge.	per test	749.80
	Note :- The inclusion of the above item in the schedule of work shall be judiciously decided by the technical sanctioning authority,keeping in view the quality control, type of soil strata & importance of the project.		

SUB HEAD : 21.0
ALUMINIUM WORK

21.0 Aluminium Work

Code No.	Description	Unit	Rate Rs.
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 / aneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (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)	kg	347.90
21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	378.70
21.1.1.3	Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	kg	386.40
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 be paid 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)	kg	395.00
21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	426.40
21.1.2.3	Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	kg	423.30
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	sqm	1032.60
21.2.2	Pre-laminated particle board with decorative lamination on both sides	sqm	1083.90

Code No.	Description	Unit	Rate Rs.
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	sqm	768.30
21.3.2	With float glass panes of 5.50 mm thickness	sqm	998.40
21.3.3	With float glass panes of 8 mm thickness	sqm	1299.80
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, embedding 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 Engineer-in-charge.		
21.4.1	With stainless steel cover plate minimum 1.25 mm thickness	each	2073.90
21.4.2	With brass cover plate minimum 1.25 mm thickness	each	2257.00
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 @ 450 mm centre to centre and fixing the frame work to G.I. level adjusting hangers 6 mm 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 fasteners to be paid for separately).	kg	454.90
21.6	Providing and fixing 6 mm dia. G.I. level adjusting hangers (upto 1200mm length), fixed to roof slabs by means of ceiling cleats made out of G.I. flat 40x3mm 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.	each	107.40
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 fasteners of 8 mm dia and 75 mm long bolt including providing aluminium washers 2 mm thick & 15 mm dia , at a staggered pitch of 200mm centre to centre including drilling holes in the receiving surface and providing expandable plastic sleeves in holes etc. complete as per direction of Engineer-in-charge.		
21.7.1	Anodised aluminium sheet 2.5mm thick (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg	478.00
21.7.2	Powder coated aluminium sheet 2.5mm thick (minimum thickness of powder coating 50 micron)	kg	508.80

Code No.	Description	Unit	Rate Rs.
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 5mm depth and 5 mm width	metre	87.00
21.9	Extra for applying additional anodic coating AC 25 instead of AC 15 to aluminium extruded sections.		
21.9.1	For fixed portion	kg	12.20
21.9.2	For shutters of doors, windows & ventilators	kg	12.20
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.	sqm	3464.40
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.		
21.11.1	205 X 19 mm	each	219.40
21.11.2	255 X 19 mm	each	271.90
21.11.3	355 X 19 mm	each	345.20
21.11.4	510 X 19 mm	each	607.60
21.11.5	710 X 19 mm	each	1047.00
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	each	484.00
21.12.2	Powder coated minimum thickness 50 micron aluminium tubular handle bar	each	531.90
21.12.3	Polyester powder coated minimum thickness 50 micron aluminium tubular handle bar	each	571.90
21.13	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	each	380.50
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).	kg	323.20
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	each	52.90
21.15.2	Powder coated minimum thickness 50 micron aluminium	each	54.10
21.15.3	Polyester powder coated minimum thickness 50 micron aluminium	each	52.90

Code No.	Description	Unit	Rate Rs.
21.16	Providing and fixing aluminium round shape handle of outer dia 100mm with SS screws etc. complete as per direction of Engineer in-charge		
21.16.1	Anodized (AC 15) aluminium	each	63.90
21.16.2	Powder coated minimum thickness 50 micron aluminium	each	70.00
21.16.3	Polyester powder coated minimum thickness 50 micron aluminium	each	76.10
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 grill to be easured for payment).	kg	404.90
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-in-charge (Door handle, lock and stopper etc.to be paid separately).	sqm	4761.50

SUB HEAD : 22.0
WATER PROOFING

22.0 Water Proofing

Code No.	Description	Unit	Rate 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: 1) 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 recommended proportion. Joints sealed and grouted with cement slurry mixed with water proofing compound conforming to IS: 12645 in proportions recommended by the manufacturer. II) 2nd class 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 spreading @ 8 cum/sqm thoroughly embedded in the 2nd layer.		
	22.1.1 Using rough kota stone.	sqm	1021.10
	22.1.2 Using rough red sand stone.	sqm	916.10
22.2	Providing and laying integral cement based treatment for water proofing on the vertical surface by fixing specified stone slab 20 mm thick with cement 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 mortar 1:4 (1 cement:4 coarse sand) 20 mm thick with neat cement punning mixed with water proofing compound in recommended proportion complete at all levels and as directed by Engineer-in-charge.		
	22.2.1 Using rough kota stone	sqm	1271.50
	22.2.2 Using rough red sand stone.	sqm	1164.10
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) 1st course of 20 mm cement plaster 1:3 (1 cement:3 coarse sand) mixed with water proofing compound in recommended proportion, (iii) 3rd course of applying blown or/residual bitumen applied hot at 1.7 kg. per sqm of area, (iv) 4th course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).	sqm	389.10
22.4	Providing and Placing in position suitable PVC water stops for construction/expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete		
	22.4.1 Serrated with central bulb (225 mm wide, 8-11 mm thick)	m	506.60
	22.4.2 Dumb bell with Central bulb (180 mm wide, 8 mm thick)	m	481.10
	22.4.3 Kickers (320 mm wide, 5 mm thick)	m	462.80

Code No.	Description	Unit	Rate Rs.
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 fibre tissue course as specified, fifth, the top most layer of stone grit 6 mm and down size or pea-sized gravel spread @ 6 dm ³ per sqm including preparation of surface excluding grading for slope etc. complete.	sqm	342.10
22.6	Providing and laying in situ seven 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 & 6th courses of bonding material @ 1.60 kg, per sqm , which shall consist of blown type bitumen of grade 55/25 conforming to IS : 702 , third and fifth layers of glass fibre tissue course as specified , seventh , the top pea-sized gravel spread @ 6 dm ³ per sqm , including preparation of surface excluding grading for slope etc. complete.	sqm	536.50
22.7	Providing and laying in situ nine 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 , 6th , 8th courses of bonding material @ 1.60 kg. per sqm , which shall consist of blown type bitumen of grade 55/25 conforming to IS -702 , third , fifth and seventh courses of glass fibre tissue , as specified , ninth, the top most layer of stone grit 6 mm and down size or pea-sized gravel spread @ 6 dm ³ per sqm including preparation of surface ' excluding grading for slope etc, complete.	sqm	729.90
22.8	Providing and laying integral cement based water proofing treatment including preparation 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 kg/sqm of cement admixed with proprietary water proofing compound cleaning the surface before treatment, (b) Laying cement concrete using broken bricks / 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 proofing compound conforming to IS 2545 to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions, or walls and slabs. (c) After two days of proper curing applying a second 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 specified by the Engineer-in-Charge.		
	22.8.1 With average thickness of 120 mm and minimum thickness at khurras point to be 65 ..	sqm	714.20

Code No.	Description	Unit	Rate Rs.
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 sandwiched 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 (Icement: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 .	sqm	409.70
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 100micron HMHDPE film sandwiched 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.	sqm	313.50
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 00micron HMHDPE film sandwiched 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 .	sqm	514.40

Code No.	Description	Unit	Rate Rs.
22.18	Providing and fixing APP (Atactic Polypropylene Polymer) modified prefabricated five layer 2 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 manufacture of density at 25°C, 0.87 - 0.89 kg/ litre and viscosity 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).	sqm	339.50
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 viscosity 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.	sqm	393.20
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 viscosity 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.	sqm	444.20
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.	sqm	62.40

**SUB HEAD : 23.0
HORTICULTURE
& LANDSCAPING**

23.0 Horticulture & Landscaping

Code No.	Description	Unit	Rate 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 (enclusing cost of imported earth,sludge or manure).	cum	26.70
23.2	Supplying and stacking of good earth at site including royalty but excluding carriage (earth measused in stacks will be reduced by 20% for payment).	cum	85.50
23.3	Supplying and stacking Sludge at site including royalty and carriage (Sludge measused in stacks will be reduced by 8% for payment).	cum	241.60
23.4	Supplying and stacking a' site dump manure from approved source, excluding carriage (manure measured in stacks will be reduced by 8% for payment)		
23.4.1	Screened through sieve of I.S. designation 20 mm	cum	25.00
23.4.2	Screened through sieve of I.S. Designation 16 mm	cum	37.10
23.4.3	Screened through sieve of I.S. designation 4.75 mm	cum	46.70
23.5	Rough dressing the trenched ground including breaking clods.	100sqm	51.30
23.6	Uprooting weeds form the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation.	100sqm	169.80
23.7	Fine dressing the ground	100sqm	123.80
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).	cum	18.00
23.9	Mixing earth and sjudge or manure in porportion specified or directed.	cum	12.40
23.10	Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more tili the grass forms a thick lawn free form weeds and fit for mowing including supplying good earth if needed.		
23.10.1	In rows 15 cm apart in either direction.	100sqm	192.00
23.10.2	In rows 7.5 cm apart in either direction.	100sqm	402.90
23.10.3	In rows 5 cm apart in either direction.	100sqm	616.50
23.11	Renovating lawns including weeding.cheeling the grass,forking the ground, top dressing with sludge or manure,mixing the same with forked soil,watering and maintaining the lawn for 30 days or more till 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.	100 sqm	1169.60

Code No.	Description	Unit	Rate Rs.
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 all rubbish with all leads and lifts.	100sqm	2051.80
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 directed, within a lead of 50 m lift upto 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately).	cum	75.50
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 m dia, And 1.2 m deep.	each	324.30
	23.14.2 Holes 60 cm dia. And 60 cm deep.	each	42.20
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 lime mortar 1:2(1 lime putty:2 surkhi) or cement mortar 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	each	1556.20
23.16	Providing and fixing M.S. flat 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 hvetted to 3 nos. 25x6 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.	each	2547.90
23.19	Edging with bricks laid dry length wise including excavation, refilling, consolidating with hand packing and spreading neatly surplus earth within a lead of 50 m:		
	23.19.1 100A class designation.		
	23.19.1.1 F.P.S.Bricks	m	38.40
	23.19.1.2 100Bclass designation.	m	35.60

Code No.	Description	Unit	Rate Rs.
23.20	Filling mixture of earth and sludge or manure in the desired proportion in trenches, flooding with water and levelling (cost of supplying earth and sludge or manure and mixing excluded).	m	5.70
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.	cum	174.10
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,	cum	193.40
23.23	Excavation in water bound macadam road including stacking the 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.	cum	235.70
23.24	Flooding the ground with water including making kiaries and dismantelling the same.	100sqm	115.20

SUB HEAD : 24.0
RAIN WATER HARVESTING
& TUBE WELLS

24.0 Rain Water Harvesting & Tube Wells

Code No.	Description	Unit	Rate Rs.
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 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, upto 90 metre depth below ground level.		
24.1.1	All types of soil		
24.1.1.1	300 mm dia	metre	378.00
24.1.1.2	350 mm dia	metre	413.50
24.1.1.3	400 mm dia	metre	529.30
24.1.2	Rocky strata including Boulders		
24.1.2.1	300 mm dia	metre	833.10
24.1.2.2	350 mm dia	metre	859.70
24.1.2.3	400 mm dia	metre	953.00
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	metre	441.10
24.2.1.2	350 mm dia	metre	509.40
24.2.1.3	400 mm dia	metre	691.80
24.2.2	Rocky strata including Boulders		
24.2.2.1	300 mm dia	metre	881.20
24.2.2.2	350 mm dia	metre	904.70
24.2.2.3	400 mm dia	metre	1128.50
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	metre	444.20
24.3.2	150 mm nominal size dia	metre	615.30
24.3.3	200 mm nominal size dia	metre	921.70
24.3.4	50 mm nominal size dia	metre	190.10
24.3.5	75 mm nominal size dia	metre	328.50

Code No.	Description	Unit	Rate Rs.
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	metre	468.80
24.4.2	150 mm nominal size dia	metre	554.30
24.4.3	200 mm nominal size dia	metre	861.00
24.4.4	50 mm nominal size dia	metre	310.00
24.4.5	75 mm nominal size dia	metre	420.30
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.	cum	489.70
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.	cum	917.00
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, all complete as per direction of Engineer -in-charge.	cum	855.90
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.	cum	990.10
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 8 mm dia four nos longitudinal & 9nos cross sectional T.M.T. hoop bars, including 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.	each	1007.50
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 direction of Engineer-in-charge.		

24.10	24.10.1	100 mm nominal size dia having minimum wall thickness 5.00 mm	metre	1010.10
	24.10.2	150 mm nominal size dia having minimum wall thickness 5.00 mm	metre	1381.20
	24.10.3	200 mm nominal size dia having minimum wall thickness 5.40 mm	metre	1696.20
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	metre	1072.40
	24.11.2	150 mm nominal size dia	metre	1464.30
	24.11.3	200 mm nominal size dia	metre	1780.10
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 approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved 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.		hour	649.40
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	each	166.60
	24.13.2	150 mm dia	each	205.10
	24.13.3	200 mm dia	each	256.40
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	each	974.60
	24.14.2	150 mm clamp	each	1031.10
	24.14.3	200 mm clamp	each	1169.50
24.15	Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I).			
	24.15.1	100 mm dia	each	205.60
	24.15.2	150 mm dia	each	254.50
	24.15.3	200 mm dia	each	278.90

SUB HEAD : 25.0
CONSERVATION OF
HERITAGE BUILDING

25.0 Conservation of Heritage Building

Code No.	Description	Unit	Rate Rs.
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.	sqm	17.00
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 40mm 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 chalis, 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, wherever required, 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.	sqm	126.20
	Note:- (1) The elevational area of the scaffolding shall be measured for payment purpose.		
	(2) The payment will be made once only for execution of all items for such works.		
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 chaeological Survey of India/ Engineer-incharge, 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).	sqm	51.00

Code No.	Description	Unit	Rate Rs.
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).	sqm	23.50
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).	sqm	92.90
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).	sqm	92.90
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).	sqm	268.40
25.8	Applying breathable, non-reactive, antifungal, and water repellent 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 nclusive of all materials & labours involved except scaffolding).	sqm	78.00

SUB HEAD : 26.0
STRUCTURAL GLAZING AND
COMPOSITE ALUMINIUM PANEL

26.0 Structural Glazing and Composite Aluminium Panel

Code No.	Description	Unit	Rate Rs.
26.1	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 BS74, 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).	kg	355.50
26.2	<p>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:</p> <p>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)-cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against fire hazard including:</p> <p>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 Dimensional 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 separator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers.</p> <p>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.</p>	kg	2584.70

Code No.	Description	Unit	Rate Rs.
26.2	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 the structural and functional design including shop drawings checked by a structural designer, 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 subhead. 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 accredited by BL(National Accreditation Board for Testing and Calibration boratories), 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. Performance Testing of Structural glazing system Tests to be conducted in the NBL Certified laboratories		

Code No.	Description	Unit	Rate Rs.
26.2	<p>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”</p> <p>2. Static Water Penetration Test. (50pa to 1500pa) as per ASTM E-331-09 testing method for a range up to 2000 ml.”</p> <p>3. Dynamic Water Penetration (50pa to 1500pa) as per AAMA 501.01-05 testing method for a range upto 2000 ml”</p> <p>4. Structural Performance Deflection and deformation by static air pressure test (1.5 times design wind pressure without any failure) as per ASTM E-330-10 testing method for a range upto 50 mm”</p> <p>5. Seismic Movement Test (upto 30 mm) as per AAMA 501.4-09 testing method for Qualitative test” Tests to be conducted on site</p> <p>6. Onsite Test for Water Leakage for a pressure range 50 kpa to 240 kpa (35psi) upto 2000ml”</p>	sqm	
26.3	<p>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 strengthened 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.</p> <p>(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.</p>	sqm	4146.50

Code No.	Description	Unit	Rate Rs.
26.4	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 necessary stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineerin- Charge.	sqm	3184.30
26.5	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. The insulation 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.	sqm	1712.10
26.6	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 colour and shade of the IGUs in the vision panels etc. ,all complete for the required performances 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 glass on face # 1 of the glass panels (but excluding the area of grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm.(Payment for fixing of Spandrel Glass Panels in the curtain glazing is included in cost of relevent Item*). (i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, 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.	sqm	3005.50

Code No.	Description	Unit	Rate Rs.
26.7	<p>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:</p> <p>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.</p> <p>b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based 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.</p> <p>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</p> <p>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 with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items 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.</p>	sqm	3876.30

Code No.	Description	Unit	Rate Rs.
26.8	<p>"Design supply & installation of suspended Spider Glazing 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 using SS channel of 50x25x2mm using fastener & anchor bolts, non staining weather sealants of approved make, Teflon/ nylon bushes and separators to prevent bi-metallic contacts, all complete to perform as per specification and approved drawings. 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 erimeter & 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.</p> <p>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.</p> <p>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. "</p>	sqm	3604.70

