

**GOVERNMENT OF BIHAR**  
**BUILDING CONSTRUCTION DEPARTMENT**

**SCHEDULE OF RATES**

**VOLUME-1**

**SEVENTH EDITION**

**EFFECTIVE FROM:- 15-09-2014**

**i**

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## प्रस्तावना

बिहार लोक निर्माण संहिता के कंडिका-103 एवं बिहार सरकार, पथ निर्माण विभाग द्वारा निर्गत संकल्प सह पठित पत्रांक-01/बी-12-2003-5762 (एस) 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 डी0एस0आर0-2007/2012 (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 एवं षष्ठम् संस्करण दिनांक-11.08.2013 से लागू किया गया था। राज्यस्तरीय अनुसूचित दर निर्धारण समिति द्वारा दिये गये सामग्रियों, श्रमदर के पुनरीक्षण एवं अन्य निर्णय के आलोक में दिनांक-11.08.2013 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-15.09.2014 से प्रभावी अनुसूचित दर का पुनरीक्षण 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) 30 अनु0 पटना, दिनांक-06.08.2014 के आलोक में सीमेंट, स्टील 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।

❖ संयोजक, राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख-सह-अपर आयुक्त-सह-विशेष सचिव, पथ निर्माण विभाग, बिहार, पटना के पत्रांक-30 अनु0 दिनांक-06.08.2014 के आलोक में श्रमदर का पुनरीक्षण के फलस्वरूप कार्यमदों के दर विश्लेषणों में इसका समावेश किया गया है।

❖ राज्य स्तरीय अनुसूचित दर निर्धारण समिति की दिनांक- 14.03.2014 को हुई बैठक में अनुमोदित ईट, स्टोनएग्रीगेट तथा बालू के बेसिक दर का पथ निर्माण विभाग के लिए दिनांक 01.04.2014 से लागू अनुसूचित दर के आधार पर इन सामग्रियों से संबंधित कार्यमदों के दर पुनरीक्षण में इनका समावेश किया गया है।

❖ संयोजक, राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख-सह-अपर आयुक्त-सह-विशेष सचिव, पथ निर्माण विभाग, बिहार, पटना के पत्रांक-36 अनु0 दिनांक- 05.09.2014 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 तथा ए0सी0पी0 से संबंधित कार्य मदों को 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।

❖ मोटा बालू (Coarse Sand), ईट एवं स्टोन एग्रीगेट 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 दोनों के द्वारा Carriage of Material का दर प्राप्त किया जाय तथा दोनों में से न्यूनतम दर को ही प्रयोग में लाया जाय।

❖ ईट, बालू, चीप्स आदि के लिए अधिकतम लीड एवं कैरेज का दर दिनांक-01.07.2008 से लागू अनुसूचित दर के प्रस्तावना में उल्लेखित कंडिकाओं के अनुसार ही प्रावधान किया गया है।

❖ संयोजक, राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख-सह-अपर आयुक्त-सह-विशेष सचिव, पथ निर्माण विभाग, बिहार, पटना के पत्रांक-मु0नि0(पथ) 30 पटना, दिनांक-27.04.2011 के अनुसार TATA, SAIL, VIZAG का स्टील प्रयोग निर्माण कार्यों में किया जाना है, क्योंकि दर विश्लेषण में स्टील का दर इन तीनों 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 जोड़ेंगे 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 बनाना 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 इसकी 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, (उत्तर उपभाग),  
भवन निर्माण विभाग, बिहार, पटना।

मो० शहाबुद्दीन याहिया, प्राक्कलन पदाधिकारी, संरचना अंचल, पटना एवं श्री राजन चौधरी, ऑटो कैड ऑपरेटर, बिहार राज्य भवन निर्माण निगम एवं भवन निर्माण विभाग के अन्य कर्मचारीगण का उनके महत्वपूर्ण सहयोग के लिए सराहना करती है।

राज्य अनुसूचित दर निर्धारण समिति के अध्यक्ष एवं सभी सदस्यों के साथ-साथ विभागीय पदाधिकारी श्री परमानन्द त्यागी, मुख्य अभियंता(निरूपण), भवन निर्माण विभाग, बिहार, पटना, श्री रमेश कुमार, मुख्य अभियंता (पटना उपभाग), भवन निर्माण विभाग, बिहार, पटना, श्री नवीन कुमार, मुख्य अभियंता (उत्तर उपभाग), भवन निर्माण विभाग, बिहार, पटना एवं श्री सुनिल कुमार, मुख्य अभियंता (दक्षिण उपभाग), बिहार, पटना को भी अनुसूचित दर पुस्तिका के पुनरीक्षण, सहयोग एवं सुझावों के लिए उनके प्रति अभार प्रगट किया जाता है। श्री चंचल कुमार, सचिव, भवन निर्माण विभाग, बिहार, पटना एवं श्री गंगा 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- 15.09.2014 से प्रभावी किया जाता है।

ह०/-

(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-sorred2012@gmail.com

पत्रांक:- मु0नि0(पथ)47 / 2014

प्रेषक,

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

30(अनु0)

/दिनांक:- 06/08/14

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. परियोजना संयोजक,  
नलकूप प्रभाग, 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,  
उर्जा विभाग सह सदस्य राज्य स्तरीय अनुसूचित दर निर्धारण समिति, बिहार, पटना।

विषय:-राज्य स्तरीय अनुसूचित दर निर्धारण समिति द्वारा दिनांक-30.07.2014 की बैठक में लिये गये निर्णयानुसार श्रम दर, बिटुमेन, इम्लसन, स्टील, सीमेंट एवं Coarse Sand at Doriganj equivalent to Koilwar Sone Sand दर की सूची के प्रेषण के संबंध में।

महाशय,

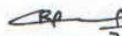
उपर्युक्त विषय के संबंध में कहना है कि दिनांक-30.07.2014 की बैठक में राज्य स्तरीय अनुसूचित दर निर्धारण समिति द्वारा अनुमोदित श्रम दर, बिटुमेन, इम्लसन, स्टील, सीमेंट एवं Coarse Sand at Doriganj equivalent to Koilwar Sone Sand की पुनरीक्षित दर की सूची अनुसूची 1 एवं 2, "M1", "M3A", "M3B", "M4", "M5", "M10A" की स्वीकृति संबंधित सूची आवश्यक कार्रवाई हेतु संलग्न की जा रही है।

अनु0-निर्णय की छाया प्रति संलग्न।


विश्वासभाजन  
  
(रमा कान्त प्रसाद)  
अधीक्षण अभियंता,  
मुख्यालय निरूपण अंचल,  
पथ निर्माण विभाग, बिहार, पटना।

**दिनांक-30.07.2014 को आहूत राज्य स्तरीय अनुसूचित दर निर्धारण समिति की बैठक की कार्यवाही में लिये गये निर्णय :-**

1. **श्रम दर को अद्यतन करने के संबंध में** - श्रम संसाधन विभाग, बिहार की अधिसूचना सं0-1704 दिनांक-19.06.2014 के आलोक में पथ निर्माण कार्यों में प्रयुक्त 72 प्रकार के विभिन्न कर्मियों तथा बाँध निर्माण एवं सिंचाई कार्यों के लिए प्रयुक्त 71 प्रकार के कर्मियों के न्यूनतम दैनिक श्रम दर का अनुमोदन सदस्यों द्वारा सर्वसम्मति से पूर्णविचारोपरान्त अनुसूची-1 एवं 2 के अनुसार करने का निर्णय लिया गया। यह दर भवन निर्माण, ग्रामीण कार्य विभाग, लोक स्वास्थ्य विभाग एवं अन्य कार्य विभाग के अंतर्गत कराये जाने वाले निर्माण कार्यों के उपयोग में लाया जा सकता है।
2. **बिटूमेन एवं इमल्सन के दर को अद्यतन करने के संबंध में** - राष्ट्रीयकृत तेल कम्पनियों से बिटूमेन एवं इमल्सन के बढ़े दर को न्यूनतम दर के आधार पर संलग्न सूची (Schedule-M4) के अनुसार करने का निर्णय लिया गया।
3. **स्टील के दर को अद्यतन करने के संबंध में**-स्टील निर्माता के विभिन्न कंपनियों से प्राप्त निर्माण सामग्रियों यथा G.C.Sheet, wire rod in coil, Steel channel, Steel angles एवं TMT Bars आदि के बढ़े हुए/घटे हुए दर को न्यूनतम दर के आधार पर संलग्न सूची (Schedule M5, ~~M6, M8, M9~~ एवं M10A) के अनुसार दर को अद्यतन करने का निर्णय लिया गया।
4. **सिमेंट के दर को अद्यतन करने के संबंध में**- सिमेंट निर्माता के विभिन्न कंपनियों से प्राप्त विभिन्न प्रकार के सिमेंट यथा OPC-43Grade, OPC-33 Grade, Portland Pozzolana Cement (PPC), Portland Slag एवं Cement (P.S.C) आदि के बढ़े हुए/घटे हुए दर को न्यूनतम दर के आधार पर संलग्न सूची (Schedule "M1", ~~"M2"~~ & "M3A" एवं "M3B") के अनुसार दर को अद्यतन करने का निर्णय लिया गया।
5. **Coarse Sand at Dorigaj equivalent to Koilwar Sone Sand (Schedules M005) के दर Price Index के आधार पर संलग्न सूची के अनुसार अद्यतन करने का निर्णय लिया गया।**
6. **सिंचाई विभाग से प्राप्त प्रस्ताव जो Non Scheduled Item से संबंधित है, को Basic rate के आधार पर निर्धारण कर पुनः प्रस्ताव को समर्पित करने का अनुरोध किया गया।**
7. **बैठक में यह सहमति बनी कि प्रत्येक तीन माह पर ईट के दर को अद्यतन किया जायेगा।**

  
सदस्य 30/7/14

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

  
सदस्य 30-7-14

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

सदस्य

राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-परियोजना संयोजक, नलकूप प्रभाग, 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, ऊर्जा विभाग, बिहार, पटना

सदस्य

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

सदस्य

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

सदस्य

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

संयोजक

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



राज्यस्तरीय अनुसूचित दर निर्धारण समिति की दिनांक- 30.07.2014 की बैठक में निर्माण कार्यों (सड़के, बाँध तथा सिंचाई कार्य) में नियोजित विभिन्न श्रेणी के मजदूरों का संशोधित न्यूनतम दैनिक मजदूरी के अनुमोदन हेतु लिये गये निर्णय :-

जनवरी 2013 से जून 2013 तक का औसत मूल्य सूचकांक श्रम संसाधन विभाग, बिहार सरकार के अधिसूचना सं0-3303 दिनांक-04.10.13 के अनुसार 5147.27 है। जूलाई 2013 से दिसम्बर 2013 तक का औसत मूल्य सूचकांक 5451.58 है।


$$\text{सूचकांक में वृद्धि} = 5451.58 - 5147.27 = 304.31$$

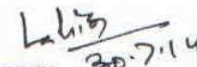
$$\text{सूचकांक में प्रतिशत वृद्धि} = 304.31/5147.27 \times 100 = 5.91\%$$

जनवरी 2013 से जून 2013 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 = 5.91% 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-1704, दिनांक-19.06.2014 के आलोक में अनुसूचित दर पुनरीक्षण हेतु उपरोक्त वृद्धि को सम्मिलित करते हुए निर्माण कार्यों, सड़के, बाँध निर्माण तथा सिंचाई कार्यों 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 कार्यों के उपयोग में भी लाया जायेगा। विशेष जानकारी हेतु श्रम संसाधन विभाग, बिहार सरकार की अधिसूचना सं0-1704 दिनांक-19.06.2014 द्रष्टव्य। उक्त श्रम दर दिनांक-19.06.2014 से लागू समझा जायेगा।

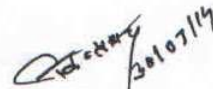
अनु0-1 एवं 2


  
सदस्य 30/7/14  
राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख, भवन निर्माण विभाग, बिहार, पटना।

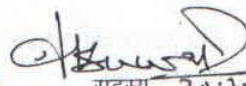
  
सदस्य 30.7.14  
राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना

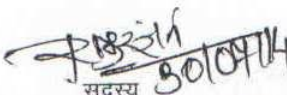
सदस्य  
राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-परियोजना संयोजक, नलकूप प्रभाग, लघु जल संसाधन विभाग, बिहार, पटना

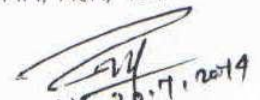
सदस्य  
राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियंता (असैनिक) बिहार स्टेट पावर होल्डिंग कंपनी लि0, बिहार, पटना

  
सदस्य 30/7/14  
राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियंता, ऊर्जा विभाग, बिहार, पटना

  
सदस्य 30/7/14  
राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख, (3) तकनीकी परीक्षण कोषांग, निगरानी विभाग, बिहार, पटना

  
सदस्य 30.7.14  
राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख, लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना

  
सदस्य 30/07/14  
राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख, जल संसाधन विभाग, बिहार, पटना।

  
संयोजक 30.7.2014  
राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख, पथ निर्माण विभाग, बिहार, पटना।

**दिनांक-14.03.2014 का आहूत राज्य स्तराय अनुसूचित दर निर्धारण समिति की बैठक की कार्यवाही में लिये गये निर्णय :-**


1. **बिटूमेन एवं इमल्सन के दर को अद्यतन करने के संबंध में** – राष्ट्रीयकृत तेल कम्पनियों से बिटूमेन एवं इमल्सन के बढ़े दर को न्यूनतम दर के आधार पर संलग्न सूची (Schedule-M4) के अनुसार करने का निर्णय लिया गया।
2. **स्टील के दर को अद्यतन करने के संबंध में**—स्टील निर्माता के विभिन्न कंपनियों से प्राप्त निर्माण सामग्रियों यथा G.C.Sheet, wire rod in coil, Steel channel, Steel angles एवं TMT Bars आदि के बढ़े हुए/घटे हुए दर को न्यूनतम दर के आधार पर संलग्न सूची (Schedule M5, M6, M8, M9 एवं M10A) के अनुसार दर को अद्यतन करने का निर्णय लिया गया।
3. **सिमेंट के दर को अद्यतन करने के संबंध में**— सिमेंट निर्माता के विभिन्न कंपनियों से प्राप्त विभिन्न प्रकार के सिमेंट यथा OPC-43Grade, OPC-33 Grade, Portland Pozzolana Cement (PPC), Portland Slag एवं Cement (P.S.C) आदि के बढ़े हुए/घटे हुए दर को न्यूनतम दर के आधार पर संलग्न सूची (Schedule “M1”, “M2”, & “M3A” एवं “M3B”) के अनुसार दर को अद्यतन करने का निर्णय लिया गया।
4. **Plant & Machinery:-** Plant & Machinery के अन्तर्गत 99 मद हैं जिनमें से पथ निर्माण कार्य में प्रयुक्त होनेवाले मशीनों जिनके Item no:- P&M002, P&M-010, P&M017, P&M-018, P&M-021, P&M-022, P&M-023, P&M-024, P&M-031, P&M-032, P&M-034, P&M-035 , P&M-044, P&M-048, P&M-059, P&M-080 , P&M-094, तथा WMM Paver finisher, Tipping Truck 14cum, 6.5KVA Generator, vibratory Earth Compactor, Tractor (25HP) का दर का पुनरीक्षण यांत्रिक उपभाग, पथ निर्माण विभाग से प्राप्त प्रस्ताव के अनुसार राज्य स्तरीय अनुसूचित दर निर्धारण समिति की बैठक में अनुमोदित करने का निर्णय लिया गया।  
शेष मशीनों के मदों के Usage Charges के दर में इसके विभिन्न Components यथा Ownership Charges, Operational Charges, POL Charges & Establishment Charges का मान क्रमशः 20%, 30%,25% एवं 25% रखने का निर्णय राज्य स्तरीय अनुसूचित दर निर्धारण समिति के द्वारा दिनांक-13.03.2013 के बैठक में लिया गया था जिसके आधार पर इन विभिन्न Components के RBI Price Index में माह जनवरी 2013 से दिसम्बर 2013 तक के बढ़ोत्तरी के अनुसार Usage Charges के दर में weighted mean बढ़ोत्तरी की गणना के आधार पर बढ़ोत्तरी करने का निर्णय लिया गया।
5. **Carriage का दर पुनरीक्षण के संबंध में :-**  
Carriage of materials by Tipper & Tractor :- MORT&H Data Book' के chapter-1 के Item no. 1.1, 1.2, 1.3, 1.4(i), 1.4(ii) and 1.4(iii) को अद्यतन मशीनरी दर एवं श्रम दर के आधार पर संलग्न अनुसूची "Carriage of Materials by Tipper" and "Carriage of Materials by Tractor" के अनुसार पुनरीक्षण करने पर सर्वसम्मति से सदस्यों द्वारा अनुमोदित करने का निर्णय लिया गया।
6. **ईट एवं ईट से संबंधित निर्माण सामग्रियों का दर पुनरीक्षण :-**  
RBI द्वारा निर्गत Bricks & Tiles के Price Index के आधार पर ईट के दर में संशोधन करने का निर्णय लिया गया। माह सितम्बर 2012 का WPI 191.7 था एवं माह दिसम्बर 2013 का WPI 203.9 है। इस प्रकार इन मदों में बढ़ोत्तरी 6.364% करने का निर्णय लिया गया।

7. स्टोन एवं स्टोन चीप्स से संबंधित निर्माण सामग्रियों का दर पुनरीक्षण :-  
पथ निर्माण विभाग (राष्ट्रीय उच्च पथ सहित) के लिए दिनांक-01.4.2014 से प्रभावी अनुसूची दर में व्यवहृत स्टोन बोल्टर, मेटल्स एवं विभिन्न आकार के चीप्स के दरों को पूर्व में राज्य स्तरीय अनुसूचित दर निर्धारण समिति के द्वारा लिए गये निर्णय (पत्रांक-38, दिनांक-11.06.2012) के आलोक में स्टोन चीप्स को RBI, WHOLE SALE PRICE INDEX द्वारा निर्गत मूल्य सूचकांक में NON-METALLIC MINERALS के अंतर्गत रखने का निर्णय लिया गया है।
8. Fly Ash Brick:-  
दिनांक-08.07.2013 को अनुसूचित दर निर्धारण समिति की राज्य स्तरीय बैठक में Fly Ash Brick के दर को N.T.P.C एवं B.M.T.P.C के Guidelines के आधार पर कर अनुसूचित दर पुस्तिका में सम्मिलित किया गया था।  
उपरोक्त Guidelines के आधार पर Labour, Material तथा Machineries के बढ़े नये दर के अनुरूप की गई, दर विश्लेषण के आधार पर Fly Ash Brick का दर प्रति एक हजार 5800/-रु0 VAT & Sale Tax छोड़कर आता है, को material के Input Data पर M-198 पर प्रति अदद दर 5.80 रु0 रखने का निर्णय लिया गया।
9. MORT&H Data Book के कार्य मदों में व्यवहृत विभिन्न निर्माण सामग्रियों (Schedule-M/MORTH-1A) के दर निर्धारण के संबंध में :-  
Schedule-M/MORTH-1A में निहित विभिन्न निर्माण सामग्रियों में से कई मदों को विभिन्न श्रेणियों में रखते हुए RBI द्वारा निर्गत whole sale price index के आधार पर अद्यतन दरों का निर्धारण किया गया है। Item no. M-72, M-102, M-176, M-177, M-191 एवं M-192 के दरों की बढ़ोत्तरी RBI द्वारा निर्गत Iron & Steel wire के Price Indexing से करने का निर्णय लिया गया है। Item no. M-80, M-87, M-88, M-101, M-103, M-110, M-119, M-123, M-124, M-125, M-130, M-158 M-173, M-174, एवं M-175, के दरों में बढ़ोत्तरी RBI द्वारा निर्गत Steel के Price Indexing के आधार पर करने का निर्णय लिया गया है। Item no. M-59, M-60, एवं M-61 के दरों में बढ़ोत्तरी RBI द्वारा निर्गत Aluminium के Price Indexing के आधार पर करने का निर्णय लिया गया है। M-86 के दरों में बढ़ोत्तरी RBI द्वारा निर्गत Copper के Price Indexing के आधार पर करने का निर्णय लिया गया है। Item no. M-64, M-65, M-66, M-67, M-68, M-69 एवं M-70, के दरों में बढ़ोत्तरी RBI द्वारा निर्गत Ball/ Roller Bearing के Price Indexing के आधार पर करने का निर्णय लिया गया है।
10. पथ निर्माण की आवश्यकता को देखते हुए उन महत्वपूर्ण मदों जिनका उपयोग यातायात सुरक्षा के लिए आवश्यक है, उनको इस वर्ष के अनुसूचित दर पुस्तिका वर्ष 2014 में दर अद्यतन किया गया है जो निम्न प्रकार का है :-
- (A) Kerb-Stone:-Kerb-Stone के दर का विश्लेषण M30 ग्रेड (PCC) के आधार पर करने का निर्णय लिया गया।
- (B) Paver-Block:- Paver block के दरों में बढ़ोत्तरी Whole Sale Price Indexing के आधार पर करने का निर्णय लिया गया।

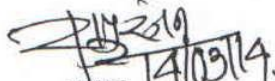
(c) **Autoclaved Aerated Concrete (AAC) Block:-**

AAC Block का Detailed Analysis किसी Data Book/ IS Specification में उपलब्ध नहीं रहने के फलस्वरूप Component wise analysis करना संभव नहीं है। कार्यहित में Delhi Schedule of rates को आधार पर WPI (Non metallic Mineral Product) के बढ़े दर पर की गई गणना के अनुसार दर निर्धारण करने का निर्णय लिया गया।

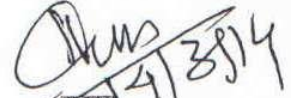
11. ड्रेजिंग मशीन के Running Charge के दर निर्धारण हेतु माह अप्रैल 2014 में बैठक बुलाने का निर्णय लिया गया।

  
सदस्य  
14/3/14

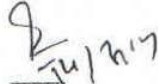
राज्य स्तरीय अनुसूचित दर निर्धारण  
समिति-सह-अभियंता प्रमुख, भवन  
निर्माण विभाग, बिहार, पटना।

  
सदस्य  
14/03/14

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

  
सदस्य  
14/3/14

राज्य स्तरीय अनुसूचित दर निर्धारण  
समिति-सह-परियोजना संयोजक,  
नलकूप प्रभाग, लघु जल संसाधन  
विभाग, बिहार, पटना

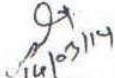
  
सदस्य  
14/3/14

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

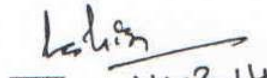
  
सदस्य  
14/03/14

राज्य स्तरीय अनुसूचित दर निर्धारण  
समिति-सह-मुख्य अभियंता, ऊर्जा  
विभाग, बिहार, पटना

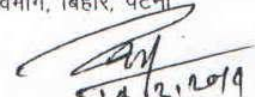
सदस्य  
राज्य स्तरीय अनुसूचित दर निर्धारण  
समिति-सह-अभियंता प्रमुख,  
तकनीकी परीक्षण कोषांग, निगरानी  
विभाग, बिहार, पटना

  
सदस्य  
14/03/14

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

  
सदस्य  
14-3-14

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

  
संयोजक  
14/3/2014

राज्य स्तरीय अनुसूचित दर निर्धारण  
समिति-सह-अभियंता प्रमुख, 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)-23/07अश:-II, 36 (अनु०) /दिनांक:- 05/09/14  
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।

विषय:-भवन निर्माण विभाग, बिहार, पटना से प्राप्त कार्यमदों में व्यवहृत निर्माण सामग्रियों के बेसिक दर एवं कार्य में प्रयुक्त होनेवाले स्वच्छताधिष्ठापन, जलापूर्ति, जल निस्सरण हेरिटेज भवन तथा स्ट्रक्चरल ग्लेजिंग एवं ए0सी0पी0 आदि से संबंधित कार्य मदों के दर विश्लेषण पर राज्य स्तरीय अनुसूचित दर निर्धारण समिति द्वारा दिनांक-26.08.14 को बैठक में लिये गये निर्णय का प्रेषण।

प्रसंग:-आपका पत्रांक-8601 दिनांक-14.08.2014 एवं पत्रांक-8313 दिनांक-07.08.2014


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 सामग्रियों के बेसिक दर की सूची एवं कार्य में प्रयुक्त होनेवाले स्वच्छताधिष्ठापन, जलापूर्ति, जल निस्सरण, हेरिटेज भवन तथा स्ट्रक्चरल ग्लेजिंग एवं ए0सी0पी0 से संबंधित कार्य मदों के दर विश्लेषण के फॉर्मेट पर बैठक में लिए गए निर्णय की प्रति आवश्यक कार्रवाई हेतु भेजी जा रही है।

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

- अनु०- (1) कार्यवाही की छाया प्रति- (एक अदद प्रति)  
(2) सामग्रियों का बेसिक दर सूची-(साठ पृष्ठों में)  
(3) दर विश्लेषण का फॉर्मेट - (एक अदद प्रति)

विश्वामाजिन



(रमा कान्त प्रसाद)

अधीक्षण अभियंता,

मुख्यालय निरूपण अंचल,

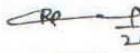
पथ निर्माण विभाग, बिहार, पटना।

दिनांक- 26.08.2014 को आहूत राज्यस्तरीय अनुसूचित दर निर्धारण समिति की बैठक की कार्यवाही में लिये गये निर्णय ।

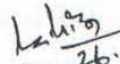
दिनांक- 26.08.2014 की बैठक में विचार-विमर्श हुआ जिसमें निम्नांकित निर्णय लिये गये:-

1. अभियंता प्रमुख-सह-अपर आयुक्त-सह विशेष सचिव, भवन निर्माण विभाग से प्राप्त वर्ष 2014-15 के लिए लागू की जानेवाली अनुसूचित दर के लिए भवन निर्माण कार्यों में प्रयुक्त होनेवाली सामग्रीयों के दर प्राप्त हुआ । उक्त दर केन्द्रीय लोक निर्माण विभाग द्वारा वर्ष 2013 में प्रकाशित अनुसूचित दर पर जून, 2014 तक सकल सूचकांक में हुई बढ़ोत्तरी के आधार पर आधारित है । विमर्शोपरान्त सामग्रीयों के इस दर को संलग्न विवरणी के अनुसार अनुमोदित करने का निर्णय लिया गया ।

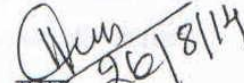
2. अभियंता प्रमुख-सह-अपर आयुक्त-सह-विशेष सचिव, भवन निर्माण विभाग द्वारा समर्पित भवन निर्माण कार्यों में प्रयुक्त होनेवाले स्वच्छताधिष्ठापन, जलापूर्ति, जल निस्सरण, हेरिटेज भवन एवं स्ट्रक्चरल ग्लेजिंग तथा ए0सी0पी0 आदि से संबंधित कार्य मदों के दर विश्लेषण जो कि डी0एस0आर0 2013 के दर विश्लेषण के भॉल्युम-2 (सी0पी0डब्लू0डी0 द्वारा प्रकाशित) के प्रपत्र पर आधारित है, को अनुमोदित करने का निर्णय लिया गया ।

  
सदस्य  
26/8/14

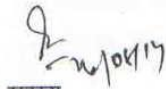
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख-सह-अपर आयुक्त-सह-विशेष सचिव, भवन निर्माण विभाग,बिहार,पटना।

  
सदस्य  
26.8.14

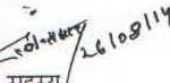
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख-सह-अपर आयुक्त-सह-विशेष सचिव, ग्रामीण कार्य विभाग,बिहार,पटना।

  
सदस्य  
26/8/14

राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-परियोजना संयोजक नलकूल प्रभाग, जल संसाधन विभाग, बिहार, पटना

  
सदस्य  
26/8/14

राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियंता(असैनिक) बिहार स्टेट पावर होल्डिंग कं0 लि0,

  
सदस्य  
26/8/14

राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह- मुख्य अभियंता, उर्जा विभाग, बिहार, पटना।

  
सदस्य  
26/8/2014

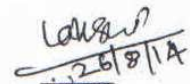
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख (उ०) तकनीकी परीक्षक कोषांग निगरानी विभाग,बिहार, पटना

सदस्य

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

सदस्य

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

  
संयोजक  
26/8/14

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

# **RAILWAY ROUTE CHART**

## **&**

# **FREIGHT**

## बिहार सरकार

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

पत्रांक - मु0 नि0 (पथ) 12 /2007

25 (अनु)

पटना/दिनांक 31/03/11

प्रेषक,

बबन राम  
संयोजक,  
राज्य स्तरीय अनुसूचित दर निर्धारण समिति  
-सह-अभियंता प्रमुख, 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 परीक्षक 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. परियोजना संयोजक,  
नलकूप प्रभाग (लघु जल संसाधन विभाग) सह सदस्य राज्य स्तरीय अनुसूचित दर निर्धारण समिति,  
बिहार, पटना।
7. मुख्य अभियंता (असैनिक)  
बिहार राज्य विद्युत बोर्ड सह सदस्य राज्य स्तरीय अनुसूचित दर निर्धारण समिति, बिहार, पटना।
8. मुख्य अभियंता  
ऊर्जा विभाग, सह सदस्य राज्य स्तरीय अनुसूचित दर निर्धारण समिति, बिहार, पटना।

विषय:- रेल मंत्रालय (रेलवे बोर्ड) भारत सरकार, महाप्रबंधक (परिचालन)/(वाणिज्य) द्वारा प्रेषित माल  
डुलाई हेतु Route Chart के संबंध में।

प्रसंग:- रेलवे बोर्ड का पत्रांक 2009/टी-टी III/S/27/1, नई दिल्ली, दिनांक 06.10.2009.

महाशय,

उपर्युक्त विषयांकित प्रासंगिक पत्र की प्रति सुलभ अवलोकन एवं अग्रतर कार्रवाई हेतु  
भेजी जा रही है। ज्ञातव्य हो कि पूर्व में भी इसकी छायाप्रति विभाग के सभी मुख्य अभियंताओं  
को भेजी जा चुकी है।

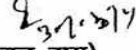
P.T.O



अनुरोध है कि रेलवे द्वारा माल ढुलाई हेतु दूरी की गणना इस चार्ट द्वारा की जाये।  
इसकी सूचना अपने अधीनस्थ कार्यालयों को भी दी जाय।

अनु०:- यथोक्त।

विश्वासभाजन



(बबन राम)

संयोजक,

राज्य स्तरीय अनुसूचित दर निर्धारण समिति

—सह—अभियंता प्रमुख,

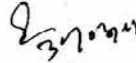
पथ निर्माण विभाग, बिहार, पटना

पत्रांक :-

२५ (अनु०)

पटना, दिनांक ३१/०३/११

प्रतिलिपि :- अभियंता प्रमुख के सचिव (प्रावैधिक), पथ निर्माण विभाग, बिहार, पटना/सभी मुख्य अभियंता, पथ निर्माण विभाग, बिहार, पटना/ मुख्य अभियंता, भवन निर्माण विभाग, बिहार, पटना/मुख्य अभियंता, ग्रामीण कार्य विभाग, बिहार, पटना/प्रबंध निदेशक, बिहार राज्य पुल निर्माण निगम/प्रबंध निदेशक, बिहार राज्य पथ विकास निगम/सभी अधीक्षण अभियंता (राष्ट्रीय उच्च पथ सहित), पथ निर्माण विभाग को अनुलग्नक की प्रति के साथ सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।



(बबन राम)

संयोजक,

राज्य स्तरीय अनुसूचित दर निर्धारण समिति

—सह—अभियंता प्रमुख,

पथ निर्माण विभाग, बिहार, पटना

## बिहार सरकार

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

पत्रांक - मु0 नि0 (पथ) 12/2007 - 100 (2007) पटना/दिनांक 06/10/2009

प्रेषक,

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

सेवा में,

1. मुख्य अभियंता,  
राष्ट्रीय उच्च पथ, पथ निर्माण विभाग, बिहार, पटना।
2. मुख्य अभियंता,  
दक्षिण बिहार उपभाग, पथ निर्माण विभाग, बिहार, पटना।
3. मुख्य अभियंता,  
उत्तर बिहार उपभाग, पथ निर्माण विभाग, बिहार, पटना।
4. मुख्य अभियंता,  
केन्द्रीय निरूपण संगठन, पथ निर्माण विभाग, बिहार, पटना।

विषय :- रेल मंत्रालय (रेलवे बोर्ड), भारत सरकार, महाप्रबंधक (परिचालन)/(वाणिज्य)  
द्वारा प्रेषित माल ढुलाई हेतु Route Chart के संबंध में।

प्रसंग :- रेलवे बोर्ड का पत्रांक 2009/टी-टी-III/S/27/1. नई दिल्ली दिनांक 06.10.2009.

महाशय,

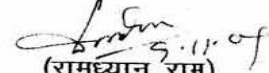
उपर्युक्त विषयांकित एवं प्रासंगिक पत्र की प्रति जो रेलवे द्वारा माल ढुलाई से संबंधित Route Chart है, सुलभ अवलोकन हेतु भेजी जाती है।

अनुरोध है कि रेलवे द्वारा माल ढुलाई हेतु दूरी की गणना इस चार्ट द्वारा की जाये। इसकी सूचना अधीनस्थ कार्यालयों को भी दी जाय।

सूचनार्थ

अनु0 :- यथोक्त।

विश्वासभाजन

  
(रामध्यान राम)  
संयोजक,

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

o/c

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

No. 2009/TT-III/S/27/1

New Delhi, dt. 6-10-2009

The General Managers (Operating)/(Commercial),  
All Indian Railways including Production Units

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

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

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

13/10/09  
182  
13.10.09  
14/10  
14/10/09

operational convenience  
S.O. 12 - Committee  
14/10  
13/10/09  
136  
13/10/09

Handwritten signature/initials

Handwritten notes and signatures

2/-

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

Contd.../3/

**4**

**North Eastern Railway**

- 4.1 All goods traffic from stations of ER, ECR, SER and ECOR and vice versa To stations on CR, WCR, NR, NCR, NWR and WR and vice versa for which the present shortest route is via MGS-BSB-MBS-ALY via Mughalsarai Mirzapur-Allahabad

**5**

**South Eastern Railway**

- 5.1 Iron Ore traffic from Barsuan - Bondamunda section of S.E. Railway To stations for which shortest route is via Jaruli - Jakhpura and to stations on Kharagpur-Bhadrak-Jhakhpura -Vizianagaram (inclusive) section, Jhakhpura - Paradeep Port and Jhakhpura - Budhapank Via Tatanagar - Kharagpur- Bhadrak subject to observing Para 2.1 above.

- 5.2 Iron ore traffic originating at Bolanikhadan, Barbil, Barajamda, Gua, Noamundi and Dongoaposi stations and their associate sidings on South Eastern Railway Stations on Jaruli-Jakhpura-Cuttack-Paradeep section for which the shortest route is via Banspani-Jaruli-Jakhpura Via Tatanagar-Kharagpur-Bhadrak

- 5.3 Iron ore traffic originating at Bolanikhadan, Barbil, Barajamda, Gua and Noamundi stations and their associate sidings on South Eastern Railway -Stations on Kapilas Road - Barang Bye pass and stations on Barang - Visakhapatnam section and via Duvada for which the shortest route is via Banspani-Jaruli-Jakhpura Via Tatanagar - Kharagpur - Bhadrak subject to observing Para 2.1 above.

**6**

**South East Central Railway**

- 6.1 Coal from Korea-Rewa Coal field of Bilaspur Division of SECR Stations on Central and via Via Katni Marwara (KMZ)

*Sanwanti*  
6.10.09

Contd... 4/-

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

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


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

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

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

Please acknowledge receipt.

DA: 25 spares

  
(Sarat Kumar)  
6.10.09  
Joint Director Traffic Transp.  
Railway Board

No. 2009/TT-III(S)/27/1

New Delhi, dt: 6-10-09

Copy forwarded for information and necessary action to:

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

(Sanat Kumar)

Joint Director Traffic Trans.  
Railway Board

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



**भारतीय रेल सम्मेलन**  
**INDIAN RAILWAY CONFERENCE ASSOCIATION**

**माल भाड़ा दर तालिकाएं**  
**FREIGHT RATE TABLES**

**भारतीय रेलों पर लागू**  
**APPLICABLE ON INDIAN RAILWAYS**

(27.12.2010 से लागू)  
(with effect from December 27, 2010)

**माल भाड़ा दर सूची संख्या 45 (भाग II)**  
**GOODS TARIFF NO. 45 (PART II)**



वर्ग - LR<sub>4</sub> से वर्ग - 100

की

माल भाड़ा दरें

**FREIGHT RATES**

**FOR**

**CLASS - LR<sub>4</sub> TO CLASS - 100**

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पृष्ठ / Page

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2. वर्ग - 110 से वर्ग - 150 की माल भाड़ा दरें 9-16

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Freight rates for Class - 160 to Class - 200

ANNEXURE  
RC No. 07 of 2012

FREIGHT RATE PER TONNE					
Distance Kilometres	Class LR4 (Rs)	Class LR3 (Rs)	Class LR2 (Rs)	Class LR1 (Rs)	Class 100 (Rs)
(1)	(2)	(3)	(4)	(5)	(6)
1 - 100	60.10	70.10	80.10	90.10	100.10
101 - 125	70.90	82.70	94.50	106.30	118.10
126 - 150	82.40	96.10	109.80	123.60	137.30
151 - 175	92.30	107.70	123.10	138.50	153.90
176 - 200	103.20	120.40	137.60	154.80	172.00
201 - 225	113.30	132.20	151.00	169.90	188.80
226 - 250	124.10	144.80	165.50	186.20	206.90
251 - 275	134.90	157.40	179.90	202.40	224.90
276 - 300	145.80	170.10	194.40	218.70	243.00
301 - 325	155.90	181.90	207.80	233.80	259.80
326 - 350	166.40	194.20	221.90	249.70	277.40
351 - 375	176.90	206.40	235.80	265.30	294.80
376 - 400	187.70	219.00	250.20	281.50	312.80
401 - 425	198.40	231.40	264.50	297.50	330.60
426 - 450	209.20	244.10	279.00	313.80	348.70
451 - 475	219.70	256.30	293.00	329.60	366.20
476 - 500	230.70	269.20	307.60	346.10	384.50
501 - 550	252.50	294.60	336.60	378.70	420.80
551 - 600	274.00	319.70	365.40	411.00	456.70
601 - 650	295.40	344.70	393.90	443.20	492.40
651 - 700	316.70	369.50	422.30	475.10	527.90
701 - 750	338.10	394.50	450.80	507.20	563.50
751 - 800	359.30	419.20	479.00	538.90	598.80
801 - 850	380.40	443.80	507.20	570.60	634.00
851 - 900	401.30	468.20	535.10	602.00	668.90
901 - 950	422.30	492.70	563.10	633.50	703.90
951 - 1000	443.20	517.10	591.00	664.80	738.70
1001 - 1100	485.70	566.70	647.60	728.60	809.50
1101 - 1200	528.10	616.10	704.10	792.10	880.10
1201 - 1300	570.30	665.40	760.40	855.50	950.50
1301 - 1400	612.40	714.40	816.50	918.50	1020.60
1401 - 1500	654.40	763.40	872.50	981.50	1090.60
1501 - 1750	748.60	873.30	998.10	1122.80	1247.60
1751 - 2000	821.00	957.90	1094.70	1231.60	1368.40
2001 - 2500	932.70	1088.20	1243.60	1399.10	1554.50
2501 - 3000	1050.20	1225.30	1400.30	1575.40	1750.40
3001 - 3500	1161.10	1354.60	1548.10	1741.60	1935.10

Hemadri

S. S. S. S.

		FREIGHT RATE PER TONNE				
Distance Kilometres		Class 110 (Rs)	Class 120 (Rs)	Class 130 (Rs)	Class 140 (Rs)	Class 150 (Rs)
(1)		(7)	(8)	(9)	(10)	(11)
1 -	100	110.10	120.10	130.10	140.10	150.20
101 -	125	129.90	141.70	153.50	165.30	177.20
126 -	150	151.00	164.80	178.50	192.20	206.00
151 -	175	169.30	184.70	200.10	215.50	230.90
176 -	200	189.20	206.40	223.60	240.80	258.00
201 -	225	207.70	226.60	245.40	264.30	283.20
226 -	250	227.60	248.30	269.00	289.70	310.40
251 -	275	247.40	269.90	292.40	314.90	337.40
276 -	300	267.30	291.60	315.90	340.20	364.50
301 -	325	285.80	311.80	337.70	363.70	389.70
326 -	350	305.10	332.90	360.60	388.40	416.10
351 -	375	324.30	353.80	383.20	412.70	442.20
376 -	400	344.10	375.40	406.60	437.90	469.20
401 -	425	363.70	396.70	429.80	462.80	495.90
426 -	450	383.60	418.40	453.30	488.20	523.10
451 -	475	402.80	439.40	476.10	512.70	549.30
476 -	500	423.00	461.40	499.90	538.30	576.80
501 -	550	462.90	505.00	547.00	589.10	631.20
551 -	600	502.40	548.00	593.70	639.40	685.10
601 -	650	541.60	590.90	640.10	689.40	738.60
651 -	700	580.70	633.50	686.30	739.10	791.90
701 -	750	619.90	676.20	732.60	788.90	845.30
751 -	800	658.70	718.60	778.40	838.30	898.20
801 -	850	697.40	760.80	824.20	887.60	951.00
851 -	900	735.80	802.70	869.60	936.50	1003.40
901 -	950	774.30	844.70	915.10	985.50	1055.90
951 -	1000	812.60	886.40	960.30	1034.20	1108.10
1001 -	1100	890.50	971.40	1052.40	1133.30	1214.30
1101 -	1200	968.10	1056.10	1144.10	1232.10	1320.20
1201 -	1300	1045.60	1140.60	1235.70	1330.70	1425.80
1301 -	1400	1122.70	1224.70	1326.80	1428.80	1530.90
1401 -	1500	1199.70	1308.70	1417.80	1526.80	1635.90
1501 -	1750	1372.40	1497.10	1621.90	1746.60	1871.40
1751 -	2000	1505.20	1642.10	1778.90	1915.80	2052.60
2001 -	2500	1710.00	1865.40	2020.90	2176.30	2331.80
2501 -	3000	1925.40	2100.50	2275.50	2450.60	2625.60
3001 -	3500	2128.60	2322.10	2515.60	2709.10	2902.70

*Ahmed*

*Mr. J*

- 2 -

Distance Kilometres	FREIGHT RATE PER TONNE				
	Class 160 (Rs)	Class 170 (Rs)	Class 180 (Rs)	Class 190 (Rs)	Class 200 (Rs)
	(12)	(13)	(14)	(15)	(16)
1 - 100	160.20	170.20	180.20	190.20	200.20
101 - 125	189.00	200.80	212.60	224.40	236.20
126 - 150	219.70	233.40	247.10	260.90	274.60
151 - 175	246.20	261.60	277.00	292.40	307.80
176 - 200	275.20	292.40	309.60	326.80	344.00
201 - 225	302.10	321.00	339.80	358.70	377.60
226 - 250	331.00	351.70	372.40	393.10	413.80
251 - 275	359.80	382.30	404.80	427.30	449.80
276 - 300	388.80	413.10	437.40	461.70	486.00
301 - 325	415.70	441.70	467.60	493.60	519.60
326 - 350	443.80	471.60	499.30	527.10	554.80
351 - 375	471.70	501.20	530.60	560.10	589.60
376 - 400	500.50	531.80	563.00	594.30	625.60
401 - 425	529.00	562.00	595.10	628.10	661.20
426 - 450	557.90	592.80	627.70	662.50	697.40
451 - 475	585.90	622.50	659.20	695.80	732.40
476 - 500	615.20	653.70	692.10	730.60	769.00
501 - 550	673.30	715.40	757.40	799.50	841.60
551 - 600	730.70	776.40	822.10	867.70	913.40
601 - 650	787.80	837.10	886.30	935.60	984.80
651 - 700	844.60	897.40	950.20	1003.00	1055.80
701 - 750	901.60	958.00	1014.30	1070.70	1127.00
751 - 800	958.10	1018.00	1077.80	1137.70	1197.60
801 - 850	1014.40	1077.80	1141.20	1204.60	1268.00
851 - 900	1070.20	1137.10	1204.00	1270.90	1337.80
901 - 950	1126.20	1196.60	1267.00	1337.40	1407.80
951 - 1000	1181.90	1255.80	1329.70	1403.50	1477.40
1001 - 1100	1295.20	1376.20	1457.10	1538.10	1619.00
1101 - 1200	1408.20	1496.20	1584.20	1672.20	1760.20
1201 - 1300	1520.80	1615.90	1710.90	1806.00	1901.00
1301 - 1400	1633.00	1735.00	1837.10	1939.10	2041.20
1401 - 1500	1745.00	1854.00	1963.10	2072.10	2181.20
1501 - 1750	1996.20	2120.90	2245.70	2370.40	2495.20
1751 - 2000	2189.40	2326.30	2463.10	2600.00	2736.80
2001 - 2500	2487.20	2642.70	2798.10	2953.60	3109.00
2501 - 3000	2800.60	2975.70	3150.70	3325.80	3500.80
3001 - 3500	3096.20	3289.70	3483.20	3676.70	3870.20

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## बिहार सरकार

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

पत्रांक - मु0 नि0 (पथ) - 38(अ४८) 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 सन्निर्माण 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

जिला खनन कार्यालय, पटना

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

प्रेषक,  
सहायक निदेशक  
जिला खनन कार्यालय,  
पटना।

156  
39-02-12

संग में,  
पटना जिला स्थित सभी कार्य विभाग एवं  
कार्यकारी एजेंसियाँ

खनिज परिशोधन शक्तिवर्धन का कार्यक्रम  
एच प्रमोडल डिजाइन पुल निर्माणा  
विभाग लि. देरगा राय पत्र, पटना

विषय: निर्माण कार्य में संबद्धकों द्वारा व्यवहृत लघु खनिजों तथा ईट, बालू, गिट्टी, मिट्टी तथा अन्य की मात्रा पर देय स्वामित्व 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

महाराज,

उपर्युक्त विषयक विभागीय स्तर से समय-समय पर निर्गत विभिन्न प्रसंग में वर्णित पत्रों की छाया प्रति सहज प्रसंग हेतु उक्त पत्र के साथ संलग्न कर सूचनाएं 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 स्वामित्व दर को राज्य सरकार ने संशोधित करने की कृपा की है। संशोधित नई स्वामित्व दर अधिसूचना के निर्गत होने की तिथि-27.01.2012 से प्रभावी हो चुका है। अतएव संलग्न अधिसूचना का अवलोकन कर संशोधित नई स्वामित्व 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 संलग्न) के आलोक में पुनः सूचित करना है कि प्रसंगिक पत्र द्वारा विषयांकित मामला में स्पष्ट रूप से सूचित किया जा चुका है कि "निर्माण कार्यों में संबद्धकों के द्वारा व्यवहृत विभिन्न विषयांकित लघु खनिजों की खरीदगी बिहार लघु खनिज समनुदान नियमावली, 1972 के नियम-40(8) में उल्लेखित अधिकतम/प्रबंधक/संबेदक या उप पट्टाधारी से की जाती है, तो इस नियमावली के नियम-40(10) के अनुसारा में संबेदक 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 सत्यपन जिला से संबंधित खनन कार्यालय से करायेगा। यदि एम० तथा एन० का शपथ पत्र असत्य पाया जाता है या संबेदक 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 स्वामित्व के अतिरिक्त खनिज का मूल्य एवं अन्य कर आदि की कटौती उनके विपत्र से करके विभाग के संगत शीघ्र में संबंधित कार्य विभाग जमा कर देंगे।"

विभागीय स्तर से निर्गत संगत नियमावली में निहित 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 की भारी क्षति होने से इंकार नहीं किया जा सकता है। यह राजस्व हित में काफी चिन्तनीय एवं दुःखद पृष्ठ है। यहाँ यह भी उल्लेखनीय है कि महारत्नाकार अंकेंक्षण ने भी वित्तीय वर्ष-2009.10 के अंकेंक्षण के दौरान उपर्युक्त आशय का आपत्ति दर्ज की है।

अतएव उपर्युक्त वर्णित परिपेक्ष्य में पुनः अनुरोध है कि संलग्न प्रसंगिक अधिसूचनाओं/पत्रों में निहित निर्देशों का राजस्व हित में दृढ़ता से अनुपालन सुनिश्चित करने की कृपा करें। यहाँ यह भी उल्लेखनीय है कि आपके स्तर से संबेदकों के विपत्र से कटौतीकृत एवं संशोधित स्वामित्व की राशि के साथ खनिजवार मात्रा एवं कटौतीकृत राशि का संबेदकवार विवरण भी उपलब्ध करने की कृपा की जाय, ताकि व्यवहृत मात्रा के विरुद्ध कटौतीकृत स्वामित्व की राशि की अनुमान्यता की समीक्षा अधोहस्ताक्षरी के स्तर से सुनिश्चित किया जा सके। साथ ही अंकेंक्षण आपत्ति के अनुपालन में वित्तीय वर्ष-2009.10 से वर्तमान तक संबेदकों के विपत्र से कटौतीकृत एवं संशोधित खनन स्वामित्व की राशि जिसके विरुद्ध संबेदक ने प्रपत्र-एम० तथा एन० में शपथ पत्र दाखिल नहीं किया है, से संबंधित जैसे सभी मामलों में कटौतीकृत स्वामित्व के अतिरिक्त खनिज का मूल्य की कटौती संबंधित संबेदकों के विपत्रों सुनिश्चित कर विभागीय संगत शीघ्र में अति शीघ्र जमा कराने की कृपा किया जाय। राज्य के खनन राजस्व एवं कार्यालय में कृपा

रजिस्ट्रार एम०  
विभागाध्यक्ष  
श्री विपत्र निर्माण  
अनुपालन सुनिश्चित  
श्री जीए  
का 2

अनु०-सुधोपरी।

विश्रांतभजन,  
h  
सहायक निदेशक,  
जिला खनन कार्यालय,  
पटना।

P. 119r

बिहार सरकार  
खान एवं भूतत्व विभाग  
अधिसूचना

एस0ओ0सं0- पटना, दिनांक- 27/1/12  
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 भट्टों के लिये ईंटों की संख्या और उस पर ईट भट्टा मालिकों /  
ईट मिट्टी हटाने वालों द्वारा प्रति भट्टा 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 अथवा बंगला ईट भट्टा निर्मित ईट	स्वामिस्व प्रति भट्टा 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 भट्टा	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 भुगतये 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 ईट / ईट मिट्टी पर कोई स्वामिस्व भुगतये नहीं होगा ।

4/बी0मु020-22/09

बिहार राज्यपाल के आदेश से,

*24/3/27.1.12*  
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,

*24/3/27.1.12*  
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:-

2

2  
197

**अधिसूचना**

पटना, दिनांक 27/1/12

एसओ ओ० सं० 250 एम० खान एवं खनिज (विकास एवं विनियमन) अधिनियम, 1957 (अधिनियम सं० 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 तुरंत 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 (रूपये में)
1	2
पट्टा की सम्पूर्ण अवधि के लिए प्रति वर्ष की दर	30,000 ₹ प्रति एकड़ प्रति वर्ष

- विद्यमान अनुसूची II निम्नलिखित द्वारा प्रतिस्थापित की जायेगी :-

अनुसूची II

[ नियम 26 (1) (ख) द्रष्टव्य ]

स्वामिसर्व (सॉयल्टी)

क्रम संख्या	खनिज का नाम	प्रति घन मीटर दर (रूपये में)
1	2	3
1	(क) किसी भी नाम से यथा परिभाषित बोल्टर, प्रेवेल शिगिल 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 (एसओ ओ० सं० 244, दिनांक 27-01-12 द्वारा प्रख्यापित)
4	साधारण मिट्टी-मिट्टी जिसका उपयोग रानीगंज खमड़ा, वाणिज्यिक जगहों, पानी बांध, सड़क, भवन आदि के निर्माण या उसे समतल करने अथवा अन्य वाणिज्यिक कार्यों के लिए किया जाता हो।	22=00

0	निमाण सामग्री के रूप में व्यवहृत चूने के विनिर्माण के लिए भट्टे 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	मुलतानी मिट्टी (फुलर्स अर्थ)	95=00
14	चक्की (ग्राइनडिंग) पत्थर सहित घरेलू बर्तन बनाने के काम में आनेवाला पत्थर	36=00
15	प्रति सैकड़ स्टेन सेट्स तथा पत्थर ईट (स्टेन ब्रिक्स)	73=00
16	पत्थर चूर्ण (स्टेन डस्ट)	विक्रय मूल्य की 10 प्रतिशत राशि
17	ग्रेनाईट (सजावट पत्थर के रूप में उपयोग होने पर) प्रति सैकड़। (i) 60 से 0 मी० से अधिक के ब्लॉक के लिये । (ii) 60 से 0 मी० 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 स्वामिस्व (सॉयलटी) 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 स्वामिस्व (सॉयलटी) का भुगतान करेगा।

12/वी०/मु० 70-2/03

बिहार राज्यपाल के आदेश से

सरकार के लघु मन्त्र

**SOR - VII th Edition VOL-1****SCHEDULE OF RATES VOL-1**

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**SUB HEAD: 0.1**  
**HIRE CHARGES OF PLANTS**

**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

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
001	Hire charges of Coaltar Boiler 900 to 1400 litres	Per day	<b>830.00</b>
002	Hire charges of Concrete Mixer 0.14 cubic metre	Per day	<b>800.00</b>
003	Hire charges of Diesel Road Roilei - 8 to 10 tonne	Per day	<b>1500.00</b>
004	Production cosr of concrete by batch mix plant.	cum	<b>350.00</b>
005	Hire charges of Diesel Truck - 9 tonne	Per day	<b>1700.00</b>
006	Hire charges of Spraying machine including electric charges	Per day	<b>250.00</b>
007	Hire charges of Coltar Sprayer	Per day	<b>300.00</b>
008	Hire charges of Barber green , drying mixing and Asphalt Plant , with	Per day	<b>7700.00</b>
009	Pumping charges of concreteincluding Hire charges of pump, piping	cum	<b>150.00</b>
010	Hire charges of Derrick monkey rope	Per day	<b>800.00</b>
011	Hire charges of Pump set of capacity 4000 litres/hour.	Per day	<b>550.00</b>
012	Vibrator (Needle type 40mm)	Per day	<b>325.00</b>
013	Machine for rubbing of floors	Per day	<b>350.00</b>
014	Front end loader	Per day	<b>5000.00</b>
016	Mastic Cooker	Per day	<b>750.00</b>
017	Hire and running charges of tipper	Per day	<b>1700.00</b>
018	Hue and running charges of loader	Per day	<b>5000.00</b>
019	Hire Grinder for mirror polish	Per day	<b>230.00</b>
020	Hydraulic Excavator (3D) with driver and fuel.	Per day	<b>8000.00</b>
021	Pin vibrator	Per day	<b>325.00</b>
022	Surface Vibrator	Per day	<b>400.00</b>
023	Hot Bitumen mixer 0.5 cum i/c hand cart	Per day	<b>4000.00</b>
024	Hire and running charges of hydraulic piling no «viih power unit etc.	Per day	<b>34000.00</b>
025	Hire and running ctiarges of light crane	Per day	<b>2200.00</b>
026	Hire and running charges of bentonite pump.	Per day	<b>4200.00</b>
027	Hire and running charges of vibrating pile driving hammer complete with power unit and accessories.	Per day	<b>35000.00</b>
028	Hire and running charges of crane 20 tonne capacity	Per day	<b>9300.00</b>
029	Carriage of concrete by transit mixer.	km/cum	<b>30.00</b>
030	Generator 250 KVA.	Per day	<b>2200.00</b>
033	Paint applicator	Per day	<b>750.00</b>
037	Mobile crane.	Per day	<b>6500.00</b>
038	Tractor with ripper attachment	Per day	<b>1350.00</b>
039	Tractor with trolley	Per day	<b>1500.00</b>
040	Aircompressor 250 cftmwithtwo leads for pneumatic cutters/.	Per day	<b>1900.00</b>
041	Joint cutting machine with 2-3 blades	Per day	<b>1000.00</b>
042	C.C.batch mix plant.	Per day	<b>100000.00</b>
043	Road sweeper	Per day	<b>550.00</b>
045	Slip frompaver with sensor.	Per day	<b>13000.00</b>
046	Water tanker 5000 litre capacity	Per day	<b>1000.00</b>
047	Concrete joint cutting machine	Per day	<b>900.00</b>
048	Texturing machine	Per day	<b>925.00</b>
	Note:- Above hire-charges include cost of service of operating staff and supply of lubricating oil.		
	NEW CODES		
049	Dozer D-80-A 12	hour	<b>3800.00</b>

Code No	Description	Unit	Rate Rs.
050	Motor Grader 3.35 metre blade	hour	2450.00
051	Hydraulic Excavator of 1 cum bucket	hour	1300.00
052	Front end loader 1 cum bucket capacity (incl POL)	hour	800.00
053	Tipper -5 Cum	tonne km	3.00
054	Vibratory roller 8 to 10 tonne	hour	1550.00
055	Smooth Wheeled Roller 8 to 10 tonne	hour	460.00
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	900.00
070	Generator 100 KVA/125 KVA	hour	700.00
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
<b>Note :- Above hire - charges (from item code 0049 to 0082) include cost of services of operating staff, supply of lubricating oil and diesel also.</b>			

**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 Rs.
0100	Bandhani	per day	198.00
0101	Bhishti	per day	205.00
0102	Blacksmith 1st class	per day	251.00
0103	Blacksmith 2nd class	per day	223.00
0107	Bullockman with single bullock	per day	254.00
0111	Carpenter 1st class	per day	251.00
0112	Carpenter 2nd class	per day	223.00
0113	Chowkidar	per day	196.00
0114	Beldar	per day	184.00
0115	Coolie	per day	194.00
0116	Fitter (Grade 1)	per day	254.00
0117	Assistant Fitter or 2nd class Fitter	per day	223.00
0119	Glazier	per day	209.00
0122	Mason (For plaster of paris work) 1st class	per day	251.00
0123	Mason (for orick work) 1st class	per day	251.00
0124	Mason (for brick work) 2nd class	per day	223.00
0125	Mason (for plain stone work) 2nd class	per day	223.00
0126	Mason (for ornamental stone work) 1st class	per day	251.00
0127	Concrete mixer operator Gr 1	per day	237.00
0128	Mate	per day	198.00
0129	Mali	per day	234.00
0130	Mistry	per day	184.00
0131	Painter	per day	237.00
0132	Rock Excavator	per day	196.00
0133	Rock Breaker	per day	196.00
0134	Rock Hole Driller	per day	196.00
0135	Stone Chiseller	per day	198.00
0136	Sewerman	per day	198.00
0138	Sprayman (for bitumen, tar etc.)	per day	196.00
0139	Skilled Beldar (for floor rubbing etc.) / Grinder	per day	223.00
0141	White Washer	per day	234.00
0155	Mason (average)	per day	223.00
0156	Carpenter (average)	per day	223.00
0157	Operator (Pile/Special machines)	per day	317.00
0158	Mechanic (Pile/ Assistant operator)	per day	289.00
0159	Skilled Torch Operator	per day	234.00
0L01	Un Skilled labour	per day	184.00
0L02	Un Skilled labour	per day	184.00
0L03	Mistri	per day	184.00
0L04	Cleaner	per day	184.00
0L05	Helper	per day	184.00
0L06	Khalasi	per day	184.00
0L11	Electrician Gr-I	per day	237.00
0L11A	Electrician Gr-II	per day	223.00

Code No	Description	Unit	Rate Rs.
0L12	Lineman/wireman	per day	217.00
0L13	Chargeman	per day	268.00
0L14	Fore man	per day	317.00
0L15	Welder Gr I	per day	281.00
0L19	Cheker	per day	226.00
0L20	Hammerman	per day	196.00
0L21	Tin smith	per day	254.00
0L22	Tin plate maker	per day	268.00
0L25	Tile layer	per day	198.00
0L26	Thatcher	per day	198.00
0L27	Plumber	per day	237.00
0L28	Grader	per day	226.00
0L29	Road binder	per day	209.00
0L32	Stone layer	per day	223.00
0L34	Fire man	per day	198.00
0L36	Gas cutter	per day	236.00
0L37	Rigger	per day	226.00
0L38	Sarang	per day	242.00
0L39	Chipper cum riveitew	per day	236.00
0L40	Tractor operator	per day	268.00
0L43	Vibrator operator	per day	208.00
0L44	Pump driver Gr I	per day	237.00
0L46	Concrete mixture operator Gr I	per day	237.00
0L49	Truck Driver	per day	268.00
0L50	Car/Jeep Driver	per day	236.00
0L51	Crane Operator Gr 1	per day	317.00
0L52	Winch Operator	per day	237.00
0L53	Road Roller Driver	per day	323.00
0L56	Polisher	per day	198.00
0L70	Any Other category of semi skilled worker not mentioned above	per day	192.00
0L71	Any other category of skilled worker not mentioned above	per day	234.00
0L72	Highly skilled workers	per day	285.00

**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)**

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
0200	Plain ended valley gutters Sheets 6 mm thick (corrugated)	sqm	<b>216.45</b>
0204	Curved barge board	each	<b>158.87</b>
0205	Barge Board 2.44 metre long	each	<b>371.34</b>
0206	Barge Board 1.83 metre long	each	<b>278.02</b>
0207	Drop end for plain ended valley gutter One piece plain angular ridge 1.22 metres long	each	<b>160.85</b>
0208	Plain ended valley gutters Serrated or plain wing Adjustable Ridge 1.22 m long	pair	<b>220.43</b>
0209	Close fittings adjustable ridge 1.10 m long	pair	<b>250.21</b>
0210	Drop end for plain ended valley gutter North light adjustable ridge 1.22 mm long	pair	<b>220.43</b>
0211	Plain ended valley gutters Ridge finials	pair	<b>113.19</b>
0212	Plain ended valley gutters Unserrated adjustable ridge for hips	pair	<b>220.43</b>
0213	Plain ended valley gutters Roof light (1.82 metre long)	each	<b>1191.48</b>
0214	Apron flashing pieces	each	<b>154.89</b>
0215	Drop end for plain ended valley gutter Eaves filler pieces	each	<b>113.19</b>
0216	Drop end for plain ended valley gutter North light ventilator curves	each	<b>272.06</b>
0219	Drop end for plain ended valley gutter Expansion joint for North light curves	each	<b>166.81</b>
0220	Drop end for plain ended valley gutter Expansion joint for ridges	pair	<b>311.77</b>
0221	Drop end for plain ended valley gutter Louvers 'S' type (1.75 m)	each	<b>131.07</b>
0222	Seam bolts nuts 6mm dia and 25mm long	10 Nos	<b>42.94</b>
0223	Non-Asbestos fibre (high impact poly propylene reinforced) cement corrugated sheet 6 mm thick	sqm	<b>268.37</b>
0224	Non-Asbestos fibre (high impact poly propylene reinforced) cement close fitting adjustable ridge	metre	<b>225.43</b>
0225	Non-Asbestos fibre (high impact poly propylene reinforced) cement corrugate serrated adjustable ridge	metre	<b>225.43</b>
0226	Non-Asbestos fibre (high impact poly propylene reinforced) cement plain wing adjustable ridge	metre	<b>214.70</b>
0227	Non-Asbestos fibre (high impact poly propylene reinforced) cement unserrated adjustable ridge for hips	metre	<b>322.05</b>
0228	Non-Asbestos fibre (high impact poly propylene reinforced) cement corrugated apron piece	metre	<b>241.53</b>

Code No	Description	Unit	Approved Rate Rs.
1	2	3	4
0229	Non-Asbestos fibre (high impact poly propylene reinforced) cement eaves filler piece	each	187.86
0230	Non-Asbestos fibre (high impact poly propylene reinforced) cement north light curves	metre	332.78
0231	Non-Asbestos fibre (high impact poly propylene reinforced) cement ventilator curves	each	440.13
0232	Non-Asbestos fibre (high impact poly propylene reinforced) cement barge boards 6mm thick	metre	440.13
0233	Non-Asbestos fibre (high impact poly propylene reinforced) cement ridge finial	pair	171.76
0234	Non-Asbestos fibre (high impact poly propylene reinforced) cement special north light curves	each	590.42
0235	Non-Asbestos fibre (high impact poly propylene reinforced) cement S type louvers	each	268.37
0236	Non-Asbestos fibre (high impact poly propylene reinforced) cement cement boards 6mm thick	sqm	214.70
0237	Non-Asbestos fibre (high impact poly propylene reinforced) cement cement boards 8mm thick	sqm	268.37
0285	Brick Aggregate (Single size) 63 mm nominal size	cum	1236.61
A	For Urban Patna	cum	1318.14
B	For Purnea, Saharsa, Bhagalpur, Munger & Darabhaga	cum	1262.30
C	For other places	cum	1236.61
D	For Patna Rural	cum	1287.99
0286	Brick Aggregate (Single size) 50 mm nominal size	cum	1236.61
A	For Urban Patna	cum	1318.14
B	For Purnea, Saharsa, Bhagalpur, Munger & Darabhaga	cum	1262.30
C	For other places	cum	1236.61
D	For Patna Rural	cum	1287.99
0287	Brick Aggregate (Single size) 40 mm nominal size	cum	1236.61
A	For Urban Patna	cum	1318.14
B	For Purnea, Saharsa, Bhagalpur, Munger & Darabhaga	cum	1262.30
C	For other places	cum	1236.61
D	For Patna Rural	cum	1287.99
0291	Stone Aggregate (Single size) 63 mm nominal size	cum	434.48
0292	Stone Aggregate (Single size) 50 mm nominal size.	cum	434.48
0293	Stone Aggregate (Single size) 40 mm nominal size	cum	447.94
0294	Stone Aggregate (Single size) 25 mm nominal size	cum	532.63
0295	Stone Aggregate (Single size) 20 mm nominal size	cum	558.32

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
0296	Stone Aggregate (Single size) 12.5 mm nominal size	cum	650.63
0297	Stone Aggregate (Single size) 10 mm nominal size	cum	621.99
0298	Stone Aggregate (Single size) 6 mm nominal size	cum	415.42
0302	Safeda bailies 125 mm diameter	metre	<b>45.09</b>
0303	Cowdung	cum	<b>51.53</b>
0304	Bajri	cum	<b>1073.49</b>
0305	Bamboo 25mm dia 2.5 meter long	score	<b>375.72</b>
0308	Bhusa	quintal	<b>429.39</b>
0309	Paving bitumen S-90 of approved quality	tonne	<b>42939.45</b>
0310	Bitumen emulsion	tonne	45733.49
0312	Bitumen grade PMB- 40	tonne	<b>44442.33</b>
0313	Blown type petrolium bitumin of Plnitrah on 85/25 of oproved quality	tonne	<b>39718.99</b>
0314	Bitumen hot sealing compound Grade A	kilogram	<b>27.91</b>
0316	Bitumen hot sealing compound Bitumen solution primer of approved quality	litre	<b>48.31</b>
0317	Premoulded joint filler 12 mm thick	sqm	<b>375.72</b>
0318	Bitumen felt fibre base (vegetable or animal) :As per IS 7193 Grade I	sqm	<b>64.41</b>
0319	Bitumen felt as per IS 7193 Grade II	sqm	<b>81.58</b>
0322	Bitumen felt Type 3 grade I confirming to IS : 1322	sqm	<b>64.41</b>
0323	Separation Membrane of impermeable plastic sheeting 125 micron thick	sqm	<b>12.88</b>
0324	Coal tar	litre	<b>32.20</b>
0325	Blasting Material Blasting powder	kilogram	<b>37.57</b>
0326	Blasting Material Blasting fuse (fuse wire)	each	<b>16.10</b>
0328	White face insulating board: 12 mm thick	sqm	<b>386.46</b>
0332	Natural colour insulating board: 12 mm thick	sqm	<b>289.84</b>
0336	Flame retardant face insulating board: 12 mm thick	sqm	<b>338.15</b>
0339	Flame retardant face insulating board: Impregnated fibre board 12 mm thick	sqm	<b>375.72</b>
0341	Flat pressed 3 layer particle board (medium density) Grade I 12 mm thick	sqm	<b>348.88</b>
0346	Extra for veneered particle board with Teak veneering on one side and commercial veneering on other side	sqm	<b>279.11</b>
0347	Extra for veneered particle board with Commercial veneering pn both sides	sqm	<b>182.49</b>
0348	Extra for veneered particle board with Teak veneering on both sides	sqm	<b>536.74</b>
0349	Curing compound	litre	<b>53.67</b>
0362	Brick bats	cum	1018.85

Code No	Description	Unit	Approved Rate Rs.
1	2	3	4
A	For Uraban Patna	cum	1109.30
B	For Purnea,Saharsa,Bhagalpur,Munger & Darabhaga	cum	1064.64
C	For other places	cum	1018.85
D	For Patna Rural	cum	1063.51
0364	Wire brush	each	<b>21.47</b>
0365	Soft brush	each	<b>19.32</b>
0367	Portland pozaiona cement (P.P.C.)	tonne	<b>5012.16</b>
0367A	Patna	tonne	5699.97
0367B	Muzaffarpur	tonne	5879.30
0367C	Darbhanga	tonne	5938.32
0367D	Bhagalpur	tonne	5799.85
0367E	Munger	tonne	5643.22
0367F	Saharsa	tonne	5985.99
0367G	Purnea	tonne	5938.32
0367H	Gaya	tonne	5012.16
367 I	Saran	tonne	5699.97
0367	Portland Slag cement (P.S.C.)	tonne	<b>6219.80</b>
0367A	Patna	tonne	6499.01
0367B	Muzaffarpur	tonne	6610.24
0367C	Darbhanga	tonne	6689.69
0367D	Bhagalpur	tonne	6542.14
0367E	Munger	tonne	6244.77
0367F	Saharsa	tonne	6519.44
0367G	Purnea	tonne	6519.44
0367H	Gaya	tonne	6219.80
367 I	Saran	tonne	6499.01
0368	White cement	tonne	<b>15028.81</b>
0369	Plastic sheath,1.25 mm thick for dowel bars	sqm	<b>32.20</b>
0370	Coal (Steam)	quintal	<b>429.39</b>
0371	Sealant primer	kg	<b>134.19</b>
0373	Cramp Gun metal 25x6x300 mm	each	<b>85.88</b>
0374	Pre moulded Joint filler, 25 mm thick for expansion joint.	sqm	<b>536.74</b>
0378	Brass butt hinges (Light/Ordinary type) 125x70x4 mm	ten	<b>912.46</b>
0379	Brass butt hinges (Light/Ordinary type) 100x70x4 mm	ten	<b>751.44</b>
0380	Brass butt hinges (Light/Ordinary type) 75x40x2.5 mm	ten	<b>461.60</b>
0381	Brass butt hinges (Light/Ordinary type) 50x40x2.5 mm	ten	<b>193.23</b>
0382	Brass butt hinges (heavy type) 125x85x5.5 mm(0.70kg)	ten	<b>3327.81</b>
0383	Brass butt hinges (heavy type; 100x85x5.5 mm(0.56kg)	ten	<b>2952.09</b>
0384	Brass butt hinges (heavy type) 75x65x4.0 mm(0.20kg)	ten	<b>1019.81</b>
0385	Brass parliamentary hinges 150x125x27x5 mm	ten	<b>3059.44</b>
0386	Brass parliamentary hinges 125x125x27x5 mm	ten	<b>2683.72</b>
0387	Brass parliamentary hinges 100x125x27x5 mm	ten	<b>2469.02</b>
0388	Brass parliamentary hinges 75x100x20x3.2 mm	ten	<b>1878.60</b>
0389	Brass single acting spring hinges 150 mm	each	<b>332.78</b>
0390	Brass single acting spring hinges 125 mm	each	<b>289.84</b>
0391	Brass single acting spring hinges 100 mm	each	<b>182.49</b>
0392	Brass double acting Spring Hinges 150mm	each	<b>536.74</b>
0393	Brass double acting Spring Hinges 125mm	each	<b>397.19</b>
0394	Brass double acting Spring Hinges 1 OOm	each	<b>343.52</b>
0400	Brass tower boits (barrel type) 250x10 mm	each	<b>246.90</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
0401	Brass tower bolts (barrel type) 200x10 mm	each	<b>193.23</b>
0402	Brass tower bolts (barrel type) 150x10 mm	each	<b>155.66</b>
0403	Brass tower bolts (barrel type) 100x10 mm	each	<b>101.98</b>
0404	Brass flush bolts 250 mm	each	<b>161.02</b>
0405	Brass flush bolts 150 mm	each	<b>139.55</b>
0406	Brass flush bolts 100 mm	each	<b>96.61</b>
0408	Brass handles 125mm with plate 175x32 mm	each	<b>150.29</b>
0409	Brass handles 100mm with plate 150x32 mm	each	<b>139.55</b>
0410	Brass handles 75mm with plate 125x32 mm	each	<b>107.35</b>
0411	Brass door latch 300x16x5 mm (0.380 Kg)	each	<b>177.13</b>
0412	Brass door latch 250x16x5 mm (0.350 Kg)	each	<b>171.76</b>
0413	Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles	each	<b>397.19</b>
0414	Brass mortice latch 100x65 mm with a pair of brass level handles	each	<b>343.52</b>
0417	Brass 150mm floor door stopper (0.357 Kg)	each	<b>182.49</b>
0418	Brass hard drwn hooks and eyes 300mm	10 nos	<b>805.11</b>
0419	Brass hard drawn hooks and eyes 250 mm	ten	<b>751.44</b>
0420	Brass hard drawn hooks and eyes 200 mm	ten	<b>692.40</b>
0421	Brass hard drawn hooks and eyes 150 mm	ten	<b>665.56</b>
0422	Brass hard drawn hooks and eyes 100 mm	ten	<b>563.58</b>
0423	Brass casement window fastener	each	<b>53.67</b>
0424	Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg	each	<b>144.92</b>
0425	Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg	each	<b>118.08</b>
0426	Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg	each	<b>107.35</b>
0427	Brass quadrant stays 300 mm	each	<b>134.19</b>
0428	Brass fanlight catch	each	<b>187.86</b>
0429	Brass fanlight pivot	ten	<b>209.33</b>
0430	Brass chain with hook for fan light catch	each	<b>42.94</b>
0431	Brass hasps and Staples (Safety type) 300 mm	ten	<b>831.95</b>
0432	Brass hasps and Staples (Safety type) 115 mm	ten	<b>697.77</b>
0433	Brass hasps and Staples (Safety type) 90 mm	ten	<b>601.15</b>
0438	Brass Night latch	each	<b>531.38</b>
0442	Brass helical Spring 150 mm	each	<b>332.78</b>
0443	Brass curtain rod 12 mm dia 1.25 mm thick	metre	<b>90.16</b>
0444	Brass curtain rod 20 mm dia 1.25 mm thick	metre	<b>123.45</b>
0445	Brass curtain rod 25 mm dia 1.25 mm thick	metre	<b>144.92</b>
0446	Brass brackets (curtain rods) 20 mm	each	<b>45.09</b>
0447	Brass cupboard knob or ward robe knob 50 mm	each	<b>37.57</b>
0449	Brass screws 50 mm	cent	<b>225.43</b>
0450	Brass screws 40 mm	cent	<b>182.49</b>



<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
0451	Brass screws 30 mm	cent	<b>144.92</b>
0452	Bras screws 25 mm	cent	<b>101.98</b>
0453	Brass screws 20 mm	cent	<b>96.61</b>
0524	Chromium plated Brass butt hinges (heavy) type 75x65x4.0 mm (200gms)	10Nos.	<b>1073.49</b>
0525	Chromium plated Brass butt hinges (light / ordinary) type 125x70x4.0 mm	10 Nos.	<b>912.46</b>
0526	Chromium plated Brass butt hinges (light / ordinary) type 100x70x4.0 mm	10Nos.	<b>751.44</b>
0527	Chromium plated Brass butt hinges (light / ordinary) type 75x40x2.5 mm	10 Nos.	<b>493.80</b>
0528	Chromium plated Brass butt hinges (light / ordinary) type 50x40x2.5 mm	10 Nos.	<b>214.70</b>
0555	Chromium plated Brass handles 125mm with plate 175x32mm	each	<b>187.86</b>
0556	Chromium plated Brass handles 100mm with plate 150x32mm	each	<b>161.02</b>
0557	Chromium plated Brass handles 75mm with plate 125x32mm	each	<b>139.55</b>
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	<b>579.68</b>
0568	Chromium plated Brass casement window fastner	each	<b>101.98</b>
0569	Chromium plated Brass casement stays (straight peg type) 300mm weighing not less than 0.33 Kg.	each	<b>161.02</b>
0570	Chromium plated Brass casement stays (straight peg type) 250mm weighing not less than 0.28 Kg.	each	<b>139.55</b>
0571	Chromium plated Brass casement stays (straight peg type) 200mm weighing not less than 0.24 Kg	each	<b>123.45</b>
0583	Chromium plated Brass single acting spring hinges Night latch	each	<b>568.95</b>
0584	Chromium plated Brass .Wardrobe Knob 50 mm	each	<b>51.53</b>
0585	Chromium plated Brass screws 50mm	100 Nos	<b>257.64</b>
0586	Chromuim plated Brass screws 40mm	100 Nos	<b>214.70</b>
0587	Chromium plated Brass screws 30mm	100 Nos	<b>166.39</b>
0588	Chromium plated Brass screws 25mm	100 Nos	<b>128.82</b>
0589	Chromium plated Brass screws 20mm	100 Nos	<b>107.35</b>
0590	Chromium plated brass curtain rod 12 mm dia 1.25 mm	meter	<b>203.96</b>
0591	Chromium plated brass curtain rod 20 nm dia 1.25 mm thick	meter	<b>279.11</b>
0592	Chromiurr: plated brass curtain rod 25 mm dia 1.25 mm thick	meter	<b>375.72</b>
0594	Brigh finish or black enameted mild steel butt hinges 125x65x2.12mm	10 Nos	<b>150.29</b>
0595	Brigh finish or black enameted mild steel butt hinges 100x58x1.90mm	10 Nos	<b>91.25</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
0596	Brigh finish or black enameled mild steel butt hinges 75x47x1.70 mm	10 Nos	<b>64.41</b>
0597	Brigh finish or black enameled mild steel butt hinges 50x37x1.50 mm	10 Nos	<b>53.67</b>
0598	150x125x27x2.80 mm porliamentary hinges	10 Nos	<b>397.16</b>
0599	125x125x27x2.80 mm porliamentary hinges	10 Nos	<b>357.45</b>
0600	100x125x27x2.80 mm popliamentary hinges	10 Nos	<b>238.30</b>
601	75x100x20x2.24 mm parliomentory hinges	10 Nos	<b>189.41</b>
0602	150 mm single acting spring hinges	each	<b>114.56</b>
0603	125 mm single acting spring hinges	each	<b>99.30</b>
0604	100 mm single acting spring hinges	each	<b>79.44</b>
0605	150 mm double acting spring hinges	each	<b>139.01</b>
0606	125 mm double acting spring hinges	each	<b>113.04</b>
0607	100 mm double acting spring hinges	each	<b>71.78</b>
0608	Nickel plated miid steel piano hinges 1 mm thick 35 mm wide	metre	<b>42.94</b>
0614	300x20x6 mm door latch	each	<b>39.72</b>
0615	250x20x6 mm door latch	each	<b>32.08</b>
0620	125 mm handles	each	<b>7.64</b>
0621	100 mm handles	each	<b>6.11</b>
0622	75 mm handles	each	<b>4.58</b>
0632	115 mm hasper & stopler ( safety type )	10 Nos	<b>90.13</b>
0633	90 mm hasper & stopler ( safety type )	10 Nos	<b>70.27</b>
0635	Brigh finish or black enameled mild steel screws 50 mm	100 Nos	<b>69.78</b>
0636	Oxidiged mild steel 45 mm screw	100 Nos	<b>50.40</b>
0637	Brigh finish or black enameled mild steel screws 40 mm	100 Nos	<b>53.67</b>
0638	Brigh finish or black enameled mild steel screws 30 mm	100 Nos	<b>42.94</b>
0639	Brigh finish or black enameled mild steel screws 25 mm	100 Nos	<b>37.57</b>
0640	Brigh finish or black enameled mild steel screws 20 mm	100 Nos	<b>32.20</b>
0641	Mild steel fittings bright finished or black enameled bolts and nuts 50 X 6mm	each	<b>7.51</b>
0642	Oxidised mild steel butt hinges 125x65x2.12mm	10 Nos	<b>150.29</b>
0643	Oxidised mild steel butt hinges 100x58x1.90mm	10 Nos	<b>96.61</b>
0644	Oxidised mild steel butt hinges 75x47x1.70mm	10 Nos	<b>69.78</b>
0645	Oxidised steel mild butt hinges 50x37x1.50mm	10 Nos	<b>59.04</b>
0646	Oxidised steel mild parliamentary hinges 150x125x27x2.80	10 Nos	<b>364.99</b>
0647	Oxidised steel mild parliamentary hinges 125x125x27x2.80	10 Nos	<b>338.15</b>
0648	Oxidised steel mile' parliamentary hinges 100x125x27x2.80	10 Nos	<b>252.27</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
0649	Oxidised steel mild parliamentary hinpes 75x100x20x2.24 mm	10 Nos	<b>214.70</b>
0650	Oxidised mild steel Single acting spring hinges 150mm	each	<b>123.45</b>
0651	Oxidised mild steel Single acting spring hinges 125 mm	each	<b>118.08</b>
0652	Oxidised mild steel Single acting spring hinges 100 mm	each	<b>96.61</b>
0653	Oxidised mild steel double acting spring hinges 150 mm	each	<b>123.45</b>
0654	Oxidised mild steel double acting spring hinges 125 mm	each	<b>118.08</b>
0655	Oxidised mild steel double acting spring hinges 100 mm	each	<b>96.61</b>
0656	Nickel plated mild steel piano, hinges 1 mm thick 35mm wide	metre	<b>48.31</b>
0660	Oxidised mild steel sliding door bolts 300x16mm	each	<b>101.98</b>
0661	Oxidised mild steel sliding door bolts 250x16mm	each	<b>96.61</b>
0662	Oxidised mild steel door latch 300x20x6 mm	each	<b>51.53</b>
0663	Oxidised mild steel door latch 250x20x6 mm	each	<b>42.94</b>
0664	Oxidised mild steel tower bolts (barrel type) 250x10 mm	each	<b>48.31</b>
0665	Oxidised mild steel lower bolts (barrel type) 200x10 mm	each	<b>42.94</b>
0666	Oxidised mild steel tower bolts (barrel type) 150x10 mm	each	<b>32.20</b>
0667	Oxidised mild steel tower bolts (barrel type) 100x10 mm	each	<b>26.84</b>
0668	Oxidised mild steel handles 125 mm	each	<b>20.40</b>
0669	Oxidised mild steel handles 100 mm	each	<b>17.18</b>
0670	Oxidised mild steel handles 75 mm	each	<b>16.10</b>
0679	Oxidised mild steel hasps and staples (safety type) 150 mm	10 Nos	<b>134.19</b>
0680	Oxidised mild steel hasps and staples (safety type) 115 mm	10 Nos	<b>107.35</b>
0681	Oxidised mild steel hasps and staples (safety type) 90 mm	10 Nos	<b>80.51</b>
0682	Oxidised mild steel screws 50 mm	100 Nos	<b>80.51</b>
0683	Oxidised mild steel screws 40 mm	100 Nos	<b>64.41</b>
0684	Oxidised mild steel screws 30 mm	100 Nos	<b>59.04</b>
0685	Oxidised mild steel screws 25 mm	100 Nos	<b>48.31</b>
0686	Oxidised mild steel screws 20 mm	100 Nos	<b>37.57</b>
0687	Anodised Aluminium butt hinges 125x75x4 mm	10 Nos	<b>611.89</b>
0688	Anodised Aluminium butt hinges 125x63x4 mm	10 Nos	<b>568.95</b>
0689	Anodised Aluminium butt hinges 100x75x4 mm	10 Nos	<b>558.21</b>
0690	Anodised Aluminium butt hinges 100x63x3.2 mm	10 Nos	<b>536.74</b>
0691	Anodised Aluminium butt hinges 100x63x4 mm	10 Nos	<b>547.48</b>
0692	Anodised Aluminium butt hinges 75x63x4 mm	10 Nos	<b>536.74</b>
0693	Anodised Aluminium butt hinges 75x63x3.2 mm	10 Nos	<b>504.54</b>
0694	Anodised Aluminium butt hinges 75x45x3.2 mm	10 Nos	<b>418.66</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
0695	Anodised Aluminium butt hinges 50x35x3.2 mm	10 Nos	<b>109.99</b>
0696	Anodised Aluminium silding door bolt 300x16 mm	each	<b>171.76</b>
0697	Anodised Aluminium silding door bolt 250x16 mm	each	<b>139.55</b>
0698	Anodised Aluminium tower bolt (barrel type)300xi0 mm	10 Nos	<b>805.11</b>
0699	Anodised Aluminium tower bolt (barrel type)250x10 mm	10 Nos	<b>644.09</b>
0700	Anodised Aluminium tower bolt (barrel type)200x10 mm	10 Nos	<b>515.27</b>
0701	Anodised Aluminium tower bolt (barrel type) 150x10 mm	10 Nos	<b>407.92</b>
0702	Anodised Aluminium tower bolt (barrel type) 100x10 mm	ten	<b>322.05</b>
0703	Anodised Aluminium handles 125 mm with plate 175x32 mm	ten	<b>536.74</b>
0704	Anodised Aluminium nandies 100 mm with plate 150x32 mm	ten	<b>407.92</b>
0705	Anodised Aluminium handles 75 mm with plate 125x32 mm	ten	<b>343.52</b>
0706	Anodised Aluminium kicking plate 50cm long 100x3.15 mm	each	<b>139.55</b>
0713	Block Board Construction flush door with teak wood ply on both faces 35 mm thick	sqm	<b>1824.93</b>
0714	Block Board Construction flush door with teak wood ply on both faces 30 mm thick	sqm	<b>1663.90</b>
0715	Block Board Construction flush door with teak wood ply on both faces 25 mm thick	sqm	<b>1502.88</b>
0717	Block board construction flush door with Commercial ply on both faces 35 mm thick	sqm	<b>1234.51</b>
0718	Block board construction flush door with Commercial ply on both faces 30 mm thick	sqm	<b>1073.49</b>
0719	Block board construction flush door with Commercial ply on both faces 25 mm thick	sqm	<b>966.14</b>
0752	Block board construction flush door lipping	sqm of door area	<b>322.05</b>
0753	Square vision Panel in Block board construction flush door	sqm of door area	<b>123.45</b>
0754	Circular Vision Panel in block board construction flush door	sqm of door area	<b>193.23</b>
0755	Decorative type Louvers in Block board construction flush door	sqm of door area	<b>332.78</b>
0757	Rebate cutting in Block board construction flush door	sqm of door area	<b>91.25</b>
0759	Decorative Plywood 4 mm	sqm	<b>450.86</b>
0761	Fuel Wood	quintal	<b>536.74</b>
0763	Glue	kilogram	<b>73.00</b>
0765	Hessian cloth	sqm	<b>26.84</b>
0768	Jali (cement concrete) 50mm thick	sqm	<b>225.43</b>
0769	Jali (cement concrete) 40mm thick	sqm	<b>193.23</b>
0770	Jali (cement concrete) 25mm thick	sqm	<b>161.02</b>
0771	Kerosene oil	litre	<b>48.31</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
0773	Lime Unslaked lime	quintal	<b>322.05</b>
0775	Lime Dehradun white lime	quintal	<b>515.27</b>
0776	Lime Satna lime	quintal	<b>322.05</b>
0777	Lime Dry hydrated lime (factory made)	quintal	<b>246.90</b>
0784	Marble dust / powder	cum	<b>1073.49</b>
0785	Marble chips upto 4mm and down size White & black	quintal	<b>214.70</b>
0786	Marble chips upto 4mm and down size Chocolate, grey or yellow	quintal	<b>175.68</b>
0787	Marble chips upto 4mm and down size Baroda green	quintal	<b>175.68</b>
0788	Marble chips Large size above 4mm. white & black	quintal	<b>214.70</b>
0801	Silicon and acrylic emulsion	litre	<b>214.70</b>
0802	Acrylic distemper 1st quality , having VOC content less than 50gm/litre	Kg	<b>40.79</b>
0803	Acrylic emulsion , having VOC content less than 50 gm/litre	litre	<b>268.37</b>
0804	Premium acrylic emulsion of interior grade, having VOC content less than 50 gm/litre	litre	<b>375.72</b>
0805	Synthetic enamel paint , having VOC (Volatile Organic Compound) content less than 150 gm/litre	litre	<b>236.17</b>
0806	Ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 gms/litre	litre	<b>128.82</b>
0807	Ready mixed red oxide zinc chromatic on steel/ iron work, having VOC content less than 250 gms/litre	litre	<b>139.55</b>
0808	Water thinnable cement primer for interior wall surface, having VOC content less than 50 gms/litre	litre	<b>64.41</b>
0809	Exterior Primer	kg	<b>42.94</b>
0810	Moorum	cum	134.45
0811	Mud (dry)	cum	<b>64.41</b>
0815	Dry Distemper	kilogram	<b>38.65</b>
0816	Oil bound washable distemper / Acrylic distemper	kilogram	<b>48.31</b>
0818	Oil / Fuel Linseed oil (double boiled)	litre	<b>118.08</b>
0820	Primers Cement primer	litre	<b>96.61</b>
0821	Primers Distemper primer	litre	<b>96.61</b>
0823	Primers Pink primer (for wood)	litre	<b>96.61</b>
0824	White cement based putty	kg	<b>25.76</b>
0826	Aluminium paint	litre	<b>139.55</b>
0827	Acid proof paint (chocolate or black)	litre	<b>161.02</b>
0828	Anti-corrosive bituminous paint (black)	litre	<b>96.61</b>
0829	Black Japan	litre	<b>101.98</b>
0830	Enamel paint	litre	<b>171.76</b>
0831	Floor enamel paint in all shades except green	litre	<b>128.82</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
0833	Synthetic enamel paint black or chocolate shade	litre	<b>139.55</b>
0834	Synthetic enamel paint in ail shades except black or chocolate	litre	<b>150.29</b>
0835	Plastic emulsion paint	litre	<b>193.23</b>
0845	Roofing paint for iron sheets in red colour	litre	<b>128.82</b>
0850	White lead	kilogram	<b>96.61</b>
0851	Water proofing cement paint Snowcem Plus	kilogram	<b>48.31</b>
0855	Polish Wax polish (ready made)	kilogram	<b>214.70</b>
0856	Varnishes Ordinary varnish	litre	<b>80.51</b>
0857	Varnishes Superior copal varnish	litre	<b>134.19</b>
0858	Varnishes Superior spar varnish	litre	<b>134.19</b>
0859	Oil type wood preservative	litre	<b>85.88</b>
0863	Polish Putty for wood work	kilogram	<b>32.20</b>
0865	Pigments Pig lead	kilogram	<b>134.19</b>
0868	Premixed super white gypsum plaster.	kg	<b>7.51</b>
0869	Plaster of Pans	kilogram	<b>4.29</b>
0870	Pigments Plug	each	<b>10.73</b>
0873	Pigments Pins - Copper pins 6 mm dia 7.5cm long	each	<b>10.73</b>
0874	Pigments black colour dark shade	kilogram	<b>59.04</b>
0875	Pigments Red chocolate orange buff or yellow (red oxide of iron ) light shade	kilogram	<b>80.51</b>
0876	Pigments green or blue medium shade	kilogram	<b>69.78</b>
0886	standard holdar bat clamps for sand cast iron or cast iron pipes 150mm dia	each	<b>26.84</b>
0966	sand cast iron plain shoe 150mm dia	each	<b>348.88</b>
0967	pigments plate -copper	kilogram	<b>289.84</b>
0969	Pulleys 25mm dia	each	<b>37.57</b>
0973	Rolling shutters and its parts Rolling shutter made of 80X1.25mm machine rolled laths	sqm	<b>1341.86</b>
0974	Rolling shutters and its parts Top cover for rolling shutters	metre	<b>644.09</b>
0975	Rolling shutters and its parts 27.5cm long wire spring grade No 2 for rolling Shutters	each	<b>300.58</b>
0976	Rolling shutters and its parts ball bearing for rolling shutters	each	<b>354.25</b>
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	<b>590.42</b>
0978	Extra for mechanical devices chain and cranked operation for operating rolling shutters Exceeding 16.80 sqm area of door	sqm	<b>622.62</b>
0979	Royalty for good earth	cum	<b>32.20</b>
0980	Royalty for sludge	cum	<b>96.61</b>
0982	Sand Coarse sand quarry at Koilwar/Sone	cum	<b>272.86</b>

Code No	Description	Unit	Approved Rate Rs.
1	2	3	4
0983	Fine sand (zone IV)	cum	119.72
0992	Galvanised steel plain sheets	quintal	<b>5582.13</b>
0994	Standard quality hard board sheet 3mm thick	sqm	<b>134.19</b>
0996	Sheets standard quality had board sheet 4.5mm thick	sqm	<b>161.02</b>
0999	Polish shellac	kilogram	<b>225.43</b>
1000	Oil/Fuel spirit	litre	<b>75.14</b>
<b>1003</b>	<b><u>Mild steel round bar above 12mm dia</u></b>	quintal	4956.00
1001	Spun yarn	kilogram	<b>42.94</b>
<b>1002</b>	<b><u>Mild steel round bar 12mm dia and below</u></b>	quintal	4956.00
<b>1004</b>	<b><u>Mild steel wire rod</u></b>	quintal	4940.25
1004A	5.5mm	quintal	4956.00
1004B	6.0mm	quintal	4940.25
1004C	6.5mm	quintal	4924.50
1004D	7.0mm	quintal	4903.50
1004E	8.00mm	quintal	4887.75
1004F	10.0mm	quintal	4956.00
1004G	12.0/12.7mm	quintal	4956.00
<b>1005</b>	<b><u>Steel T.M.T. Bars Fe 500</u></b>	quintal	5040.00
1005A	TMTC-500-8mm	quintal	5218.50
1005B	TMTC-500-10mm	quintal	5113.50
1005C	TMTC-500-12mm	quintal	5061.00
1005D	TMT FE-500-16mm	quintal	5089.88
1005E	TMT FE-500-20mm	quintal	5040.00
1005F	TMT FE-500-25mm	quintal	5040.00
1005G	TMT FE-500-28mm	quintal	5040.00
1005H	TMT FE-500-32mm	quintal	5040.00
1005 I	TMT FE-500-36mm	quintal	5040.00
<b>1005 '</b>	<b><u>Steel T.M.T. Bars Fe 415</u></b>	quintal	<b>4202.34</b>
1005A '	TMTC-415-8mm	quintal	<b>4202.34</b>
1005B '	TMTC-415-10mm	quintal	<b>4202.34</b>
1005C '	TMTC-415-12mm	quintal	<b>4142.31</b>
1005D '	TMT FE-415-16mm	quintal	<b>4142.31</b>
1005E '	TMT FE-415-20mm	quintal	<b>4142.31</b>
1005F '	TMT FE-415-25mm	quintal	<b>4142.31</b>
1005G '	TMT FE-415-28mm	quintal	<b>4142.31</b>
1005H '	TMT FE-415-32mm	quintal	<b>4142.31</b>

Code No	Description	Unit	Approved Rate Rs.
1	2	3	4
1006	Mild steel square bars	quintal	<b>4061.55</b>
<b>1007 A</b>	<b>STEEL JOIST</b>	quintal	<b>4327.94</b>
a	200X100	quintal	<b>4327.94</b>
b	225X110	quintal	<b>4327.94</b>
c	250X125	quintal	<b>4394.22</b>
d	300X140	quintal	<b>4394.22</b>
e	350X140	quintal	<b>4529.30</b>
f	400X140	quintal	<b>4661.72</b>
g	450X150	quintal	<b>4783.71</b>
h	500X180	quintal	<b>4905.70</b>
i	600X210	quintal	<b>5271.90</b>
<b>1007B</b>	<b>STEEL CHANNEL</b>	quintal	4793.25
a	75X40	quintal	4793.25
b	100X50	quintal	4793.25
c	125X65	quintal	4725.00
d	150X75	quintal	4714.50
e	175X75	quintal	4714.50
f	200X75	quintal	4714.50
g	250X82	quintal	4714.50
h	300X90	quintal	4714.50
i	400X100	quintal	4714.50
<b>1007C</b>	<b>STEEL ANGLES</b>	quintal	4459.88
a	50x50x6	quintal	4459.88
b	60X60X6	quintal	4459.88
c	65X65X6	quintal	4459.88
d	75X75X6	quintal	4459.88
e	80X80X8/10/12	quintal	4459.88
f	90X90X6	quintal	4459.88
g	100X100X8/10/12	quintal	4459.88
h	110X110X8/10/12	quintal	4459.88
i	130X130X10/12	quintal	4459.88
j	150X150X12/16/20	quintal	4459.88
k	200X200X16/18/26	quintal	4459.88
1008	Flats upto 10mm in thickness	quintal	<b>4508.64</b>
1009	Flats exceeding 10mm in thickness	quintal	<b>4830.69</b>
1010	Mild steel plates	quintal	<b>5045.39</b>



<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1011	Steel glazed door,window/ ventilator, all members viz. F7D, F4B,K11 and K12B etc.	kg	<b>51.53</b>
1013	Mild steel sheets for tanks	quintal	<b>5260.08</b>
1015	Mild steel expanded metal 20x60 mm strands	sqm	<b>311.31</b>
1019	Mild steel hooks	each	<b>37.57</b>
1020	Mild steel rivets	quintal	<b>5367.43</b>
1021	Hard drawn steel wire fabric	sqm	<b>461.60</b>
1022	Galvanised steel bolts and nuts 6mm dia. And 25mm long round head with slots	ten	<b>26.84</b>
1023	Galvanised steel J or L hooks 8mm dia.	Ten	<b>118.08</b>
1024	Galvanised steel bolts and nuts 10mm dia. and 125mm long	each	<b>12.88</b>
1025	Mild steel bolts 6mm dia and 25mm long with hexagonal head	ten	<b>32.20</b>
1028	Straining bolts	each	<b>75.14</b>
1029	Galvanised steel L barbed wire	quintal	<b>5582.13</b>
1030	Galvanised steel turn buckles	each	<b>18.25</b>
1031	Galvanised steel bolts & nut 10mm dia 27cm long both sides threaded with 4 galvanised steel nuts	each	<b>26.84</b>
1032	Galvanised steel bolts 10mm dia 7cm long with nuts	each	<b>21.47</b>
1034	Bolts and nuts upto 300mm in length	quintal	<b>6011.52</b>
1035	Bolts and nuts above 300mm in length	quintal	<b>6011.52</b>
1036	Iron Pintels including welded pin	each	<b>42.94</b>
1143	Steel Beading	metre	<b>26.84</b>
1145	Aluminium Plain Strip edging 38x12x3 mm	metre	<b>107.35</b>
1149	Glass strips 4mm thick 40mm deep	metre	<b>9.66</b>
1151	Boundry stone top chisel dressed 15x15x90cm	each	<b>64.41</b>
1154	Through and bond stone	100 nos	<b>1288.18</b>
1157	Stone for masonry work	cum	<b>751.44</b>
1158	Stone for pitching 15cm x 22.5cm	cum	<b>483.07</b>
1159	Stone dust	cum	97.67
1160	Red sand stone block	10 cudm	<b>69.78</b>
1161	White sand stone block	10 cudm	<b>75.14</b>
1163	White sand stone slab 75mm thick (un-dressed)	sqm	<b>322.05</b>
1164	Red sand stone slab 40mm thick (undressed)	sqm	<b>171.76</b>
1165	White sand stone slab 40mm thick (undressed)	sqm	<b>193.23</b>
1166	Red sand stone slab 30mm thick (undressed)	sqm	<b>139.55</b>
1168	Kota stone slab 20mm to 25mm thick (semi-polished)	sqm	<b>311.31</b>
1169	Kota stone slab 25mm thick (rough chiselled)	sqm	<b>225.43</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1174	Red sand stone slab 45/50mm thick (un-polished)	sqm	<b>184.64</b>
1175	White sand stone slab 45/50mm thick (undressed)	sqm	<b>241.53</b>
1177	Stone grit 6 mm and down size or pia sized grand	cum	<b>992.97</b>
1179	Crushed stone 2.36 mm to 12.5 mm size	cum	<b>1019.81</b>
1182	Surkhi	cum	1740.28
A	Uraban Patna	cum	1740.28
B	For Purnia, Bhagalpur, Saharasa, Munger, Darabhanga	cum	1668.81
C	For other places	cum	1611.86
D	For Patna Rural	cum	1679.98
1186	Superior class teak wood such as Dandeli, Balarshah or Malabar in planks	10 cudm	<b>1180.83</b>
1187	First class teak wood in scantling	10 cudm	<b>858.79</b>
1188	First class teak wood in planks	10 cudm	<b>912.46</b>
1189	Second class teak wood in scantling	10 cudm	<b>708.50</b>
1190	Second class teak wood in planks	10 cudm	<b>778.28</b>
1194	Second class deodar wood in planks	10 cudm	<b>536.74</b>
1196	First class kail wood in planks	10 cudm	<b>332.78</b>
1197	Second class kail wood in scantling	10 cudm	<b>279.11</b>
1198	Second clas's kail wood in planks	10 cudm	<b>279.11</b>
1199	Sal wood in scantling	10 cudm	<b>558.21</b>
1195	Local wood in scantling	10 cudm	<b>343.05</b>
1200	Kiln seasoned selected sheesham wood planks	10 cudm	<b>697.77</b>
1201	Precast terrazo tiles 22 mm thick (light shade)	sqm	<b>279.11</b>
1202	Precast terrazo tiles 22 mm thick (medium shade)	sqm	<b>257.64</b>
1203	Precast terrazo tiles 22 mm thick (dark shade)	sqm	<b>236.17</b>
1204	Precast heat resistant terrace tiles (size 300x300 mm)	sqm	<b>517.42</b>
1207	Washers Cadmium coated G.I. limpet washer	cent	<b>37.57</b>
1208	Washers Bitumen washer	cent	<b>32.20</b>
1209	Washers G.I. plain washer thick	cent	<b>37.57</b>
1210	Washers G.I. plain washer thin	cent	<b>34.35</b>
1211	Washers G.I. plain washer for seam bolts	cent	<b>32.20</b>
1213	Water proofing compound 'Impermo' of Snowcem India Ltd.	kilogram	<b>34.35</b>
1214	Welding By gas plant	cm	<b>2.15</b>
1215	Welding By electric plant	cm	<b>1.93</b>
1216	Whiting	quintal	<b>536.74</b>
1219	Wire nails	kilogram	<b>64.41</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1220	Wire mesh (Rabbit)	sqm	<b>48.31</b>
1221	20 mm dia holding down bolts	quintal	<b>6226.22</b>
1222	Mild steel sheets with bolts and nuts to rest on lintels	each	<b>139.55</b>
1224	Hard drawn steel wire	quintal	<b>5904.17</b>
1225	Mild steel flat strap fitting	quintal	<b>4777.01</b>
1227	Chequered terrazo tiles 22mm thick (light shade)	sqm	<b>348.88</b>
1228	Chequered terrazo tiles 22mm thick (medium shade)	sqm	<b>305.94</b>
1229	Chequered terrazo tiles 22mm thick (dark shade)	sqm	<b>268.37</b>
1231	Extra for selected planks of second class teak wood	10 cudm	<b>150.29</b>
1234	Aluminium plain strip edging 57x12x3 mm	metre	<b>144.92</b>
1235	Oil / Fuel Diesel oil	litre	<b>52.20</b>
1237	Cutting marble or sand stone slab upto 50mm thick by mechanical device	metre	<b>9.66</b>
1238	Extra for selected planks of first class teak wood	10 cudm	<b>150.29</b>
1239	18 mm thick Flamed finish granite stone slab	sqm	<b>1819.56</b>
1240	18 mm thick Italian Marble stone slab,(slab area up to 0.5 sqm).	sqm	<b>3574.71</b>
1241	Oil / Fuel LPG (Commercial Cylinder)	kg	<b>75.14</b>
1242	Glass mosaic tiles (20 mm x 20 mm x 4 mm ).	sqm	<b>1127.16</b>
1243	Tile fixing chemical adhesive	kg	<b>36.50</b>
1244	Cement Polymer Grout Compound	kg	<b>36.50</b>
1245	Acid for cleaning tiles	litre	<b>17.18</b>
1301	Bleaching powder	quintal	<b>1878.60</b>
1304	Surface box for stop cock	each	<b>134.19</b>
1305	Surface box for sluice valve	each	<b>225.43</b>
1307	Surface box for water meter	each	<b>268.37</b>
1309	C.I. bracket for wash basin and sinks	pair	<b>75.14</b>
1314	C.P. brass chain with 32 mm dia rubber plug	each	<b>42.94</b>
1315	C.P. brass chain with 40 mm dia rubber plug	each	<b>42.94</b>
1330	Clamps and M.S. stays including bolts and nuts for 100	each	<b>37.57</b>
1331	M.S. Holder bat clamp of approved design for 10 mm S.C.I.pipe	each	<b>21.47</b>
1332	M.S. Holder bat clamp of approved design for 75mm S.C.I.pipe	each	<b>19.32</b>
1334	Clamps and M.S. stays including bolts and nuts for 50	each	<b>30.06</b>
1335	Clamps and M.S. stays including bolts and nuts for75	each	<b>32.20</b>
1336	Clearing eye with chain and lid 100 mm dia	each	<b>47.23</b>
1337	Clearing eye with chain and lid150 mm dia	each	<b>53.67</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1339	Brass bib-cock 15 mm dia	each	<b>225.43</b>
1340	Brass bib-cock 20mm dia	each	<b>241.53</b>
1342	Brass stop-cock 15 mm dia	each	<b>225.43</b>
1343	Brass stop-cock 20 mm dia	each	<b>300.58</b>
1350	Mosquito proof coupling of approved design	each	<b>32.20</b>
1352	C.I. cover and frame 300x300 mm inside	each	<b>322.05</b>
1353	C.I. cover without frame 300x300 mm inside i/c cover of	each	<b>241.53</b>
1354	Rectangular cover 455x610 mm with frame (low duty)	each	<b>1610.23</b>
1355	Rectangular cover 455x610 mm without frame (low duty)	each	<b>1073.49</b>
1356	500mm dia cover with frame (medium duty)	each	<b>5099.06</b>
1357	500mm dia cover without frame (medium duty)	each	<b>2469.02</b>
1360	C.I.mouth ,brass ferrule 15 mm dia	each	<b>150.29</b>
1361	C.I.mouth ,brass ferrule 20 mm dia	each	<b>171.76</b>
1362	C.I.mouth ,brass ferrule 20 mm dia	each	<b>236.17</b>
1363	Vitreous china foot rests 250x130x30 mm	pair	<b>107.35</b>
1364	C.I. grating 100x100 mm	each	<b>16.10</b>
1366	C.I. grating 150x150 mm	each	<b>26.84</b>
1367	C.I. grating 180x180 mm	each	<b>32.20</b>
1369	S.C.I. gully or nahani grating 100 mm dia	each	<b>19.32</b>
1373	Rubber insertions for 80 mm dia pipe joints	each	<b>16.10</b>
1374	Rubber insertions for 100 mm dia pipe joints	each	<b>19.32</b>
1375	Rubber insertions for 125 mm dia pipe joints	each	<b>21.47</b>
1376	Rubber insertions for 150 mm dia pipe joints	each	<b>21.47</b>
1377	Rubber insertions for 200 mm dia pipe joints	each	<b>26.84</b>
1378	Rubber insertions for 250 mm dia pipe joints	each	<b>42.94</b>
1379	Rubber insertions for 300 mm dia pipe joints	each	<b>48.31</b>
1380	Rubber insertions for 350 mm dia pipe joints	each	<b>53.67</b>
1381	Rubber insertions for 400 mm dia pipe joints	each	<b>78.36</b>
1382	Rubber insertions for 450 mm dia pipe joints	each	<b>98.76</b>
1383	Rubber insertions for 500 mm dia pipe joints	each	<b>118.08</b>
1384	Rubber insertions for 600 mm dia pipe joints	each	<b>134.19</b>
1392	Mirror of superior make glass 60x45 cm	each	<b>332.78</b>
1396	Vitreous china pedestal for wash basin	each	<b>751.44</b>
1397	Pig lead	kilogram	<b>96.61</b>
1464	S & S.C.I.standard specials up to 300 mm dia (heavy	quintal	<b>3864.55</b>
1466	S & S.C.I.standard specials over 300 mm dia (heavy	quintal	<b>3971.90</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1468	Flanged C.I. standard specials up to 300 mm dia(heavy	quintal	<b>5904.17</b>
1470	Flanged C.I. standard specials over 300 mm dia(heavy	quintal	<b>6226.22</b>
1472	Casing pipe 100 mm dia	metre	<b>359.62</b>
1532	Flush pipe with union spreaders and clamps all in C.P.	each	<b>289.84</b>
1533	Flush pipe with union spreaders and clamps all in C.P.	each	<b>429.39</b>
1534	Flush pipe with union spreaders and clamps all in C.P.	each	<b>558.21</b>
1535	Flush pipe with union spreaders and clamps all in C.P.	each	<b>644.09</b>
1540	Flush pipe and spreaders G.I.for single set of one	each	<b>187.86</b>
1541	Flush pipe and spreaders G.I.for range of two squatting	each	<b>268.37</b>
1542	Flush pipe and spreaders G.I.for range of three squatting	each	<b>322.05</b>
1543	Flush pipe and spreaders G.I.for range of four squatting	each	<b>418.66</b>
1545	G.I. pipes 15 mm dia	metre	<b>91.25</b>
1546	G.I. pipes 20 mm dia	metre	<b>118.08</b>
1547	G.I. pipes 25 mm dia	metre	<b>161.02</b>
1548	G.I. pipes 32 mm dia	metre	<b>193.23</b>
1549	G.I. pipes 40 mm dia	metre	<b>236.17</b>
1550	G.I. pipes 50 mm dia	metre	<b>295.21</b>
1551	G.I. pipes 65 mm dia	metre	<b>391.82</b>
1552	G.I. pipes 80 mm dia	metre	<b>493.80</b>
1555	G.I. back (jam) nuts 25 mm dia	each	<b>10.73</b>
1559	G.I. back (jam) nuts 65 mm dia	each	<b>23.62</b>
1608	G.I. tees (equal) 25 mm	each	<b>48.31</b>
1612	G.I. tees (equal) 65 mm	each	<b>300.58</b>
1614	G.I. inlet connection	each	<b>69.78</b>
1616	S.C.I. soil, waste and vent single socketed pipe1.80 metres long: 75mm dia	each	<b>1019.81</b>
1617	S.C.I. soil, waste and vent single socketed pipe1.80 metres long:100mm dia	each	<b>1234.51</b>
1618	S.C.I. soil, waste and vent single socketed pipe1.80 metres long: 150mm dia	each	<b>1878.60</b>
1620	S.C.I. plain bend 75 mm dia	each	<b>182.49</b>
1621	S.C.I. plain bend 100 mm dia	each	<b>375.72</b>
1622	S.C.I. plain bend 150 mm dia	each	<b>644.09</b>
1624	S.C.I. bend with access door 75 mm dia	each	<b>214.70</b>
1625	S.C.I. bend with access door 100 mm dia	each	<b>270.52</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1627	S.C.I. plain single equal junctions 75x75x75 mm dia	each	<b>284.47</b>
1628	S.C.I. plain single equal junctions 100x100x100 mm dia	each	<b>483.07</b>
1630	S.C.I. single equal junctions 75x75x75 mm dia with access door	each	<b>298.43</b>
1631	S.C.I. single equal junctions 100x100x100 mm dia with access door	each	<b>403.63</b>
1633	S.C.I. plain double equal junctions 75x75x75x75 mm dia	each	<b>371.43</b>
1634	S.C.I. plain double equal junctions 100x100x100x100 mm dia	each	<b>558.21</b>
1636	S.C.I. double equal junctions 75x75x75x75 mm dia with access door	each	<b>456.23</b>
1637	S.C.I. double equal junctions 100x100x100x100 mm dia with access door	each	<b>590.42</b>
1639	Slotted cowl (terminal guard) 75 mm dia	each	<b>162.10</b>
1640	Slotted cowl (terminal guard) 100 mm dia	each	<b>203.96</b>
1641	G.I. Union 15 mm nominal bore	each	<b>59.04</b>
1642	G.I. Union 20 mm nominal bore	each	<b>80.51</b>
1643	G.I. Union 25 mm nominal bore	each	<b>91.25</b>
1644	G.I. Union 32 mm nominal bore	each	<b>128.82</b>
1645	G.I. Union 40 mm nominal bore	each	<b>198.59</b>
1646	G.I. Union 50 mm nominal bore	each	<b>236.17</b>
1647	G.I. Union 65 mm nominal bore	each	<b>461.60</b>
1648	G.I. Union 80 mm nominal bore	each	<b>547.48</b>
1649	Polyethylene water storage tank with cover and suitable locking arrangement	pair litre	<b>4.83</b>
1653	Sand cast iron S&S plain single unequal junctions : 100x100x75 mm dia	each	<b>397.19</b>
1656	Sand cast iron S&S single unequal junctions: 100x100x75 mm dia with access door	each	<b>429.39</b>
1659	Sand cast iron S&S plain double unequal junctions : 100x100x75x75 mm dia	each	<b>590.42</b>
1662	Sand cast iron S&S double unequal junctions: 100x100x75x75 mm dia with access door	each	<b>590.42</b>
1666	Sand cast iron heel rest bend 75 mm dia	each	<b>236.17</b>
1667	Sand cast iron heel rest bend 100 mm dia	each	<b>268.37</b>
1669	S.C.I. single equal invert branch of required degree 75x75x75 mm dia	each	<b>343.52</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1670	S.C.I. single equal invert branch of required degree 100x100x100 mm dia	each	<b>440.13</b>
1672	S.C.I. double equal invert branch of required degree 75x75x75x75 mm dia	each	<b>440.13</b>
1673	S.C.I. double equal invert branch of required degree 100x100x100x100 mm dia	each	<b>590.42</b>
1674	S.C.I. single unequal invert branch of required degree 100x100x75 mm dia	each	<b>531.38</b>
1677	S.C.I. double unequal invert branch of required degree 100x100x75x75 mm dia	each	<b>611.89</b>
1682	S.C.I. door pieces 75 mm dia	each	<b>295.21</b>
1683	S.C.I. door pieces 100 mm dia	each	<b>429.39</b>
1685	S.C.I. collar 75 mm dia	each	<b>121.30</b>
1686	S.C.I. collar 100 mm dia	each	<b>153.51</b>
1687	Unplasticised P.V.C. connection pipe with brass union 30 cm long 15 mm bore	each	<b>32.20</b>
1688	Unplasticised P.V.C. connection pipe with brass union 30 cm long 20 mm bore	each	<b>37.57</b>
1689	Unplasticised P.V.C. connection pipe with brass union 45 cm long 15 mm bore	each	<b>37.57</b>
1690	Unplasticised P.V.C. connection pipe with brass union 45 cm long 20 mm bore	each	<b>51.53</b>
1693	S.C.I. hand pump	each	<b>719.24</b>
1700	R.C.C. pipes NP2 class 100 mm dia	metre	<b>214.70</b>
1701	R.C.C. pipes NP2 class 150 mm dia	metre	<b>225.43</b>
1702	R.C.C. pipes NP2 class 250 mm dia	metre	<b>279.11</b>
1703	R.C.C. pipes NP2 class 300 mm dia	metre	<b>322.05</b>
1704	R.C.C. pipes NP2 class 450 mm dia	metre	<b>429.39</b>
1705	R.C.C. pipes NP2 class 500 mm dia	metre	<b>622.62</b>
1706	R.C.C. pipes NP2 class 600 mm dia	metre	<b>987.61</b>
1707	R.C.C. pipes NP2 class 700 mm dia	metre	<b>1127.16</b>
1709	R.C.C. pipes NP2 class 800 mm dia	metre	<b>1255.98</b>
1710	R.C.C. pipes NP2 class 900 mm dia	metre	<b>1374.06</b>
1711	R.C.C. pipes NP2 class 1000 mm dia	metre	<b>1706.84</b>
1712	R.C.C. pipes NP2 class 1100 mm dia	metre	<b>2012.79</b>
1713	R.C.C. pipes NP2 class 1200 mm dia	metre	<b>2066.46</b>
1714	R.C.C. pipes NP2 class 100 mm dia	each	<b>32.20</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1715	R.C.C. pipes NP2 class 150 mm dia	each	<b>37.57</b>
1716	R.C.C.collars NP2 class 250 mm dia	each	<b>53.67</b>
1717	R.C.C.collars NP2 class 300 mm dia	each	<b>59.04</b>
1718	R.C.C.collars NP2 class 450 mm dia	each	<b>107.35</b>
1719	R.C.C. collars NP2 class 500 mm dia	each	<b>123.45</b>
1720	R.C.C.collars NP2 class 600 mm dia	each	<b>150.29</b>
1721	R.C.C. collars NP2 class 700 mm dia	each	<b>161.02</b>
1723	R.C.C.collars NP2 class 800 mm dia	each	<b>214.70</b>
1724	R.C.C. collars NP2 class 900 mm dia	each	<b>252.27</b>
1725	R.C.C. collars NP2 class 1000 mm dia	each	<b>300.58</b>
1726	R.C.C. collars NP2 class 1100 mm dia	each	<b>322.05</b>
1727	R.C.C. collars NP2 class 1200 mm dia	each	<b>375.72</b>
1728	RCC pipe 450 mm dia NP-3 spigot	metre	<b>1605.94</b>
1729	RCC pipe 600 mm dia NP-3 spigot	metre	<b>2141.60</b>
1730	RCC pipe 900 mm dia NP-3 spigot	metre	<b>3381.48</b>
1731	RCC pipe 1000 mm dia NP-3 spigot	metre	<b>4170.49</b>
1732	RCC pipe 1200 mm dia NP-3 spigot	metre	<b>5410.37</b>
1733	RCC pipe 1800 mm dia NP-3 spigot	metre	<b>10144.44</b>
1734	RCC pipe 450 mm dia NP-4 spigot	metre	<b>1860.35</b>
1735	RCC pipe 600 mm dia NP-4 spigot	metre	<b>2479.75</b>
1736	RCC pipe 900 mm dia NP-4 spigot	metre	<b>4932.67</b>
1737	RCC pipe 1000 mm dia NP-4 spigot	metre	<b>5973.95</b>
1738	RCC pipe 1200 mm dia NP-4 spigot	metre	<b>6988.40</b>
1739	RCC pipe 1800 mm dia NP-4 spigot	metre	<b>14653.09</b>
1854	Stoneware pipes grade A (60 cm long) 100 mm dia	each	<b>53.67</b>
1855	Stoneware pipes grade A (60 cm long) 150 mm dia	each	<b>85.88</b>
1856	Stoneware pipes grade A (60 cm long) 200 mm dia	each	<b>142.77</b>
1857	Stoneware pipes grade A (60 cm long) 230 mm dia	each	<b>182.49</b>
1858	Stoneware pipes grade A (60 cm long) 250 mm dia	each	<b>236.17</b>
1859	Stoneware pipes grade A (60 cm long) 300 mm dia	each	<b>257.64</b>
1863	Fire clay kitchen sink: 600x450x250 mm	each	<b>1449.21</b>



<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1871	White vitreous china laboratory sink 450x300x150 mm	each	<b>880.26</b>
1872	White vitreous china laboratory sink 600x450x200 mm	each	<b>1637.07</b>
1875	White plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	<b>354.25</b>
1876	Black plastic seat (solid) with lid C.P. brass hinges and rubber buffers	each	<b>332.78</b>
1878	Shower rose C.P. brass for 15 to 20 mm inlet 100 mm dia	each	<b>53.67</b>
1879	Shower rose C.P. brass for 15 to 20 mm inlet 150 mm dia	each	<b>64.41</b>
1881	Spun yarn	kilogram	<b>53.67</b>
1882	Strainer brass 40 mm dia 1.5 metre long	each	<b>644.09</b>
1885	15 mm C.P. brass tap	each	<b>225.43</b>
1889	C.P. brass toilet paper holder of standard size	each	<b>182.49</b>
1891	C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 50 mm dia	each	<b>182.49</b>
1893	C.I. trap for standard urinal with vent arm with operating and other couplings in C.P. brass: 80 mm dia	each	<b>241.53</b>
1895	C.P. brass trap 40 mm dia	each	<b>161.02</b>
1896	100 mm S.C.I. trap with vent heel	each	<b>338.15</b>
1897	100 mm S.C.I. trap with 100 mm inlet and 100 mm outlet	each	<b>295.21</b>
1898	100 mm S.C.I. trap with 100 mm inlet and 75 mm outlet	each	<b>234.02</b>
1900	S.W. gully trap P type 100x100 mm	each	<b>96.61</b>
1902	S.W. gully trap P type 150x100 mm	each	<b>139.55</b>
1904	S.W. gully trap P type 180x150 mm	each	<b>241.53</b>
1913	Vitreous china lipped front urinal	each	<b>493.80</b>
1915	Vitreous china squatting plate urinal	each	<b>815.85</b>
1922	H.P. or L.P. ball valve with polythene floats: 15 mm dia	each	<b>225.43</b>
1923	H.P. or L.P. ball valve with polythene floats: 20 mm dia	each	<b>327.41</b>
1924	H.P. or L.P. ball valve with polythene floats: 25 mm dia	each	<b>354.25</b>
1927	Brass full way valve with C.I. wheel (screwed end) 25 mm dia	each	<b>375.72</b>
1928	Brass full way valve with C.I. wheel (screwed end) 32 mm dia	each	<b>440.13</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1929	Brass full way valve with C.I. wheel (screwed end) 40 mm dia	each	<b>515.27</b>
1930	Brass full way valve with C.I. wheel (screwed end) 50 mm dia	each	<b>665.56</b>
1931	Brass full way valve with C.I. wheel (screwed end) 65 mm dia	each	<b>1159.37</b>
1932	Brass full way valve with C.I. wheel (screwed end) 80 mm dia	each	<b>1739.05</b>
1933	Gunmetal non-return valve-horizontal (screwed end) 25 mm dia	each	<b>354.25</b>
1934	Gunmetal non-return valve-horizontal (screwed end) 32 mm dia	each	<b>483.07</b>
1935	Gunmetal non-return valve-horizontal (screwed end) 40 mm dia	each	<b>601.15</b>
1936	Gunmetal non-return valve-horizontal (screwed end) 50 mm dia	each	<b>880.26</b>
1937	Gunmetal non-return valve-horizontal (screwed end) 65 mm dia	each	<b>1599.49</b>
1938	Gunmetal non-return valve-horizontal (screwed end) 80 mm dia	each	<b>2275.79</b>
1940	C.I.slauce valve (with caps) class I : 100 mm dia	each	<b>2587.10</b>
1941	C.I.slauce valve (with caps) class I : 125 mm dia	each	<b>2791.06</b>
1942	C.I.slauce valve (with caps) class I : 150 mm dia	each	<b>3864.55</b>
1943	C.I.slauce valve (with caps) class I : 200 mm dia	each	<b>8051.15</b>
1944	C.I.slauce valve (with caps) class I : 250 mm dia	each	<b>11786.88</b>
1945	C.I.slauce valve (with caps) class I : 300 mm dia	each	<b>16639.04</b>
1947	Vitreous china flat back wash basin 630x450 mm	each	<b>778.28</b>
1949	Vitreous china angle back wash basin 600x480 mm	each	<b>778.28</b>
1950	Vitreous china angle back wash basin 400x400 mm	each	<b>456.23</b>
1951	C.P. brass waste 32 mm	each	<b>85.88</b>
1952	C.P. brass waste 40 mm	each	<b>101.98</b>
1953	Vitreous china Indian type w.c. pan size 580 mm	each	<b>483.07</b>
1954	Vitreous china orrisa type w.c. pan size 580 mm	each	<b>837.32</b>
1955	Vitreous china pedestal type water closet	each	<b>751.44</b>
1956	Bolts and nuts 16 mm dia 60 mm long	each	<b>12.88</b>
1957	Bolts and nuts 16 mm dia 65 mm long	each	<b>12.88</b>
1958	Bolts and nuts 20 mm dia 65 mm long	each	<b>16.10</b>
1959	Bolts and nuts 20 mm dia 70 mm long	each	<b>16.10</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1960	Bolts and nuts 20 mm dia 75 mm long	each	<b>17.18</b>
1961	Bolts and nuts 20 mm dia 80 mm long	each	<b>19.32</b>
1962	Bolts and nuts 24 mm dia 85 mm long	each	<b>30.06</b>
1963	Bolts and nuts 24 mm dia 90 mm long	each	<b>34.35</b>
1964	Bolts and nuts 27 mm dia 100 mm long	each	<b>40.79</b>
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	<b>1395.53</b>
1970	Vitreous china foot rests 250x125x25 mm	pair	<b>107.35</b>
1980	Fly ash	cum	<b>8.32</b>
1984	Brick Tiles (300mm x 150mm x 50mm)	thousand	6030.89
1986	Common burnt clay modular bricks class designation	1000 nos	6292.24
2391	Strips-Aluminium fluted 3.15 mm thick and 150 mm wide	metre	<b>244.75</b>
2392	Strips-Aluminium fluted 3.15 mm thick and 200 mm wide	metre	<b>346.74</b>
2393	1 mm thick Stainless Steel Cover plate grade 304	Kg	<b>295.21</b>
2394	Coupler 16 mm dia	each	<b>71.92</b>
2395	Coupler 20 mm dia	each	<b>94.47</b>
2396	Coupler 25 mm dia	each	<b>139.55</b>
2397	Coupler 28 mm dia	each	<b>206.11</b>
2398	Coupler 32 mm dia	each	<b>247.98</b>
2399	Complete Roof Joint of 100 mm	metre	<b>4830.69</b>
2400	Complete Roof Joint of 150 mm	metre	<b>5152.73</b>
2401	Complete Roof Joint of 200 mm	metre	<b>5367.43</b>
2402	Epoxy adhesive	kg	<b>161.02</b>
2403	Floor Joint of 100 mm	metre	<b>4830.69</b>
2404	Floor Joint of 150 mm	metre	<b>5367.43</b>
2405	Floor Joint of 200 mm	metre	<b>5796.83</b>
2406	Float glass sheet of nominal thickness 4 mm (weighing not less than 10 kg/sqm)	sqm	<b>354.25</b>
2407	Float Glass sheet of nominal thickness 5.5mm (weighing not less than 13.50 kg/sqm)	sqm	<b>536.74</b>
2408	Float glass sheet of nominal thickness 8 mm (weight not less than 20.00 kg/sqm)	sqm	<b>751.44</b>
2409	Wall Joint of 100 mm	metre	<b>3649.85</b>
2410	Wall Joint of 150 mm	metre	<b>3971.90</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
2411	Wall Joint of 200 mm	metre	<b>4293.94</b>
2412	Ply wood 5 ply with commercial ply on both faces 6 mm thick	sqm	<b>386.46</b>
2413	12 mm commercial ply	sqm	<b>622.62</b>
2414	18 mm thick block board with commercial ply veneering on both side	sqm	<b>751.44</b>
2447	Hollock bailies 125 mm diameter	metre	<b>37.57</b>
2449	Oxidised mild steel Pull bolt lock of size 85mmx42mm with screws bolts and washers complete	each	<b>53.67</b>
2451	Brass Cupboard lock 6 levers (best make of approved quality) 40 mm size	each	<b>75.14</b>
2452	Brass Cupboard lock 6 levers (best make of approved quality) 50 mm size	each	<b>80.51</b>
2453	Brass Cupboard lock 6 levers (best make of approved quality) 65 mm size	each	<b>85.88</b>
2454	Brass Cupboard lock 6 levers (best make of approved quality) 75 mm size	each	<b>107.35</b>
2455	Brass Hanging type door stopper 150 mm	each	<b>69.78</b>
2456	Hydraulic door closer tubular type aluminium die cast body with necessary accessories and screws complete	each	<b>633.36</b>
2459	Anodised Aluminium hanging type door stopper	each	<b>26.84</b>
2464	Anodised Aluminium pull boit lock (locking bolt) of size 85x42 mm with screws, bolts, nuts and washers complete	each	<b>53.67</b>
2465	Anodised Aluminium Casement stay 250 mm	each	<b>53.67</b>
2466	Hollock wood in scantling	10 cud	<b>348.88</b>
2467	Chromium plated Brass Pull bolt lock (locking bolt) of size 85mm x 42mm with screws, bolts, nuts and washers complete	each	<b>177.13</b>
2468	Chromium Brass cupboard lock (Nickled) 40mm size	each	<b>69.78</b>
2469	Chromium Brass cupboard lock (Nickled) 50mm size	each	<b>80.51</b>
2470	Chromium Brass cupboard lock (Nickled) 65mm size	each	<b>91.25</b>
2471	Chromium Brass cupboard lock (Nickled) 75mm size	each	<b>118.08</b>
2480	PANELS Ply wood 5 ply with teak ply on both faces 9 mm thick	sqm	<b>1105.69</b>
2481	Ply wood 5 ply with teak ply n one face and commercial ply on another face 9 mm thick	sqm	<b>901.73</b>
2483	Ply wood 7 ply with teak ply on one face and commercial ply on another face 9 mm thick	sqm	<b>987.61</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
2484	Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587	sqm	<b>742.75</b>
2485	Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 18 mm thick confirming to IS:14587	sqm	<b>990.29</b>
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	<b>1286.20</b>
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	<b>688.37</b>
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	<b>923.90</b>
2489	PVC edge bending tape 2.00 mm thick	metre	<b>30.65</b>
2500	Extra for selected planks of second class deodar wood	10 cud	<b>107.35</b>
2504	Kiln seasoning of timber	cum	<b>783.64</b>
2505	Hollock wood in planks	10 cud	<b>397.19</b>
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	<b>268.37</b>
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	<b>314.53</b>
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	<b>390.75</b>
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	<b>483.07</b>
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	<b>611.89</b>
2602	Designation 100 A Brick	thousand	<b>5023.58</b>
2602A	Urban Patna	thousand	6292.24
2602B	Darbhanga	thousand	5310.59

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
2602C	Bhagalpur	thousand	5310.59
2602D	Munger	thousand	5310.59
2602E	Muzaffarpur	thousand	5310.59
2602F	Gaya	thousand	5023.58
2602G	Patna Rural	thousand	5239.11
2602H	Saran	thousand	5023.58
2602I	Saharsa	thousand	5454.66
2602J	Purnea	thousand	5742.78
2603	Designation 100 B Brick	thousand	<b>4590.26</b>
2603A	Urban Patna	thousand	5839.94
2603B	Darbhanga	thousand	4877.27
2603C	Bhagalpur	thousand	4877.27
2603D	Munger	thousand	4877.27
2603E	Muzaffarpur	thousand	4877.27
2603F	Gaya	thousand	4590.26
2603G	Patna Rural	thousand	4787.94
2603H	Saran	thousand	4590.26
2603I	Saharsa	thousand	5023.58
2603J	Purnea	thousand	5310.59
2605	Structural sealant - 6 mm x 12 mm	metre	<b>33.92</b>
2606	Spacer tape 6.4 mm thick x 6 mm wide	metre	<b>19.32</b>
2607	Weather Sealant - Non Staining (600 ml)	each	<b>492.89</b>
2608	Weather Sealant - Normal (300 ml)	each	<b>153.72</b>
2609	MS Brackets/Aluminium Alloy Brackets	kg	<b>107.35</b>
2610	Silicon Gasket in Kg (Above 50 g / m)	kg	<b>645.43</b>
2611	EPDM Gasket in Kg (Above 60 g / m)	kg	<b>171.76</b>
2612	Anchor Fastner - M10	each	<b>119.10</b>
2613	SS Bolt with washer of sizes for structural glazing / ACP	each	<b>37.57</b>
2614	SS Screws of sizes for structural glazing / ACP Cladding	each	<b>5.37</b>
2615	Protective Tape	metre	<b>26.84</b>
2616	GI flashing - 1.2 mm Thick	kg	<b>70.85</b>
2617	6 mm thick High performance glass	sqm	<b>2050.36</b>
2618	6 mm thick clear heat strengthened glass	sqm	<b>826.58</b>
2619	6 mm thick clear heat strengthened glass	each	<b>155.66</b>
2620	ARMS GS HD -TOP HUNG -20"-TYPE P-COUPLE	pair	<b>1686.23</b>
2621	Connection Block	each	<b>42.24</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
2622	Curtain wall striker	each	<b>110.25</b>
2623	Adjustable Fastening Pawl	each	<b>41.06</b>
2624	Corner drive	each	<b>316.62</b>
2625	Top wedge Block	each	<b>146.58</b>
2626	Glass wool Density 48 Kg / m3 with Black Glass Tissue	sqm	<b>246.90</b>
2627	SS Screws - # 8 x 19	each	<b>10.73</b>
2628	Weather Sealant - DC 789	cartridge	<b>144.92</b>
2629	Cement Board	sqm	<b>268.37</b>
2630	Baker rod	metre	<b>5.37</b>
2631	4 mm thick ACP	sqm	<b>1288.18</b>
2632	Fire Stop	metre	<b>603.25</b>
2634	GI/Aluminium Sheet (0.8 mm thick)	kg	<b>61.19</b>
2704	Aluminium strip 40 mm wide and 2 mm thick	kilogram	<b>236.17</b>
2708	Truf Paver (500 x 500 x 40 mm)	sqm	<b>1170.10</b>
2709	Ceramic Tiles Pieces for Crazy Flooring	quintal	<b>144.92</b>
2710	White Marble Makrana second quality plain veined stone pieces for crazy flooring	quintal	<b>150.29</b>
2711	FS800H Grade Flooring Panel ( Size 600 mm x600 mm	each	<b>805.11</b>
2711'	Sheets Polyvinyl chloride sheet 1.5 mm thick	sqm	<b>508.37</b>
2712'	Sheets Polyvinyl chloride sheet 2.0 mm thick	sqm	<b>704.97</b>
2712	Zinc Electroplated Pedestals - 300 mm	each	<b>150.29</b>
2713	Zinc Electroplated Pedestals - 450 mm	each	<b>161.02</b>
2714	Zinc Electroplated Tube Stinger	each	<b>75.14</b>
2715	Machine Screw for Fixing	each	<b>2.15</b>
2717	Polyvinyl chloride tiles 1 5mm thick	sqm	<b>579.87</b>
2718	Polyvinyl chloride tiles 2.0mm thick	sqm	<b>695.04</b>
2723	Adhesive (rubber base)	ilogram	<b>188.65</b>
2736	Sheets Rubber tiles plain conforming to IS 809 1.5 mm thick	sqm	<b>840.00</b>
2737	Sheets Rubber tiles plain conforming to IS 809 2.0 mm .thick	sqm	<b>971.06</b>
2738	Sheets Rubber tiles LP stud conforming to IS 809 2.0 mm thick	sqm	<b>840.00</b>
2739	Sheets Rubber tiles LP stud conforming to IS 809 3.0 mm thick	sqm	<b>1437.73</b>
2740	Sheets Rubber tiles LP stud conforming to IS 809 4.0 mm thick	sqm	<b>1906.38</b>
2741	Sheets Anti static rubber tiles plain/LP stud conforming to BS : 2050 2.00 mm thick	sqm	<b>1556.88</b>
2742	Sheets. Rubber tiles plain/LP stud in skirting conforming to IS : 809 2.0mm thick	sqm	<b>611.63</b>
2750	8mm thick granite stone tiles (mirror polished of all shades)	sqm	<b>751.44</b>

Code No	Description	Unit	Approved Rate Rs.
1	2	3	4
2751	8mm thick marble tiles (polished) Raj Nagar	sqm	<b>386.46</b>
2901	Stone Aggregate (Single size) : 100 mm nominal size	cum	402.86
2902	Stone Aggregate (Single size) : 80 mm nominal size	cum	402.86
2903	Stone chippings/ screenings 4.75 mm nominal size	cum	206.00
2904	Stone chippings/ screenings 150 micron nominal size	cum	191.39
2908	Over burnt (Jhama) Brick Aggregate: 120 mm to 40 mm size	cum	1318.14
2909	Over burnt (Jhama) Brick Aggregate: 90 mm to 40 mm size	cum	1318.14
2910	Stone chippings/ screenings 12.5/ 13.2 mm nominal size	cum	650.63
2911	Stone chips/streining 10/11.2 mm nominal size	cum	622.00
2914	Solvent	kilogram	<b>26.84</b>
2916	Paving Asphalt VG -10 of approved quality	tonne	<b>42939.45</b>
3002	Sheets Polyvinyl chloride sheet 400 micron thick	sqm	<b>37.57</b>
3004	Stoneware spouts 100mm dia 60 em long	each	<b>37.57</b>
	<b>GC Sheet</b>		
3050	Galvanised steel corrugated sheets 0.63 mm thick	quintal	5699.93
3050A	Galvanised steel corrugated sheets 0.50 mm thick	quintal	5880.00
3050B	Gah-anised steel corrugated sheets 0.40 mm thick	quintal	7549.92
3050C	Galvanised steel corrugated sheets 0.35 mm thick	quintal	7709.00
3050D	Galvanised steel corrugated sheets 0.80 mm thick	quintal	5699.93
3080	Gunmetal non-return valve-vertical (screwed end) 25 mm dia	each	<b>386.46</b>
3084	Gunmetal non-return valve-vertical (screwed end) 32 mm dia	each	<b>558.21</b>
3088	Gunmetal non-return valve-vertical (screwed end) 40 mm dia	each	<b>805.11</b>
3092	Gunmetal non-return valve-vertical (screwed end) 50 mm dia	each	<b>1084.22</b>
3096	Gunmetal non-return valve-vertical (screwed end) 65 mm dia	each	<b>1835.66</b>
3213	Vitreous china Surgeon type wash basin of size 660x460 mm	each	<b>1180.83</b>
3214	Aluminium sheet 24 gauge	sqm	<b>347.52</b>
3228	600x120 mm glass shelf with anodised aluminium angle frame, C.P. brass brackets and guard rail of standard size	each	<b>268.37</b>
3229	Vitreous china flat back wash basin 550x400 mm	each	<b>590.42</b>
3300	Gunmetal non-return valve-vertical (screwed end) 80 mm dia	each	<b>3102.38</b>
3311	C.I.sluiice valve (with caps) class II : 100 mm dia	each	<b>3123.84</b>
3314	C.I.sluiice valve (with caps) class II : 125 mm dia	each	<b>3757.20</b>
3317	C.I.sluiice valve (with caps) class II : 150 mm dia	each	<b>4615.99</b>
3320	C.I.sluiice valve (with caps) class II : 200 mm dia	each	<b>9886.81</b>
3321	C.I.sluiice valve (with caps) class II : 250 mm dia	each	<b>15887.60</b>
3326	C.I.sluiice valve (with caps) class II : 300 mm dia	each	<b>19859.49</b>



<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
3327	15 mm Battery Based Sensor Pillar Cock	each	<b>6249.84</b>
3617	CP Brass Union 40 mm dia	each	<b>209.33</b>
3620	C.C.I.(spun) socketed soil, waste and vent pipe 1.80 metres long :100 mm dia	each	<b>1341.86</b>
3621	C.C.I. (spun) socketed soil, waste and vent pipe 1.80 metres long :75 mm dia	each	<b>1111.06</b>
3624	S.C.I. S&S bends with access door 100 mm dia	each	<b>311.31</b>
3625	S.C.I. S&S bends with access door 75 mm dia	each	<b>257.64</b>
3628	S.C.I. S&S bend 100 mm dia	each	<b>284.47</b>
3629	S.C.I. S&S bend 75 mm dia	each	<b>209.33</b>
3634	S.C.I. S&S heel rest sanitary bend 100 mm dia	each	<b>317.75</b>
3635	S.C.I. S&S heel rest sanitary bend 75 mm dia	each	<b>268.37</b>
3640	S.C.I. S&S single equal junctions 100x100x100 mm	each	<b>506.69</b>
3641	S.C.I. S&S single equal junctions 75x75x75 mm	each	<b>354.25</b>
3644	S.C.I. S&S single equal junctions with access door 100x100x100 mm	each	<b>531.38</b>
3645	S.C.I. S&S single equal junctions with access door 75x75x75 mm	each	<b>400.41</b>
3650	S.C.I. S&S double equal junctions 100x100x100x100 mm	each	<b>665.56</b>
3651	S.C.I. S&S double equal junctions 75x75x75x75 mm	each	<b>495.95</b>
3654	S.C.I. S&S double equal junctions with access door 100x100x100x100 mm	each	<b>660.19</b>
3655	S.C.I. S&S double equal junctions with access door 75x75x75x75 mm	each	<b>515.27</b>
3660	S.C.I. S&S single unequal junctions 100x100x75 mm	each	<b>611.89</b>
3664	S.C.I. S&S single unequal junctions with access door 100x100x75 mm	each	<b>687.03</b>
3670	S.C.I. S&S double unequal junctions 100x100x75x75 mm	each	<b>858.79</b>
3674	S.C.I. S&S double unequal junctions with access door 100x100x75x75 mm	each	<b>912.46</b>
3681	S.C.I. S&S single equal invert branch of required degree 100x100x75x75 mm dia	each	<b>456.23</b>
3682	S.C.I. S&S single equal invert branch of required degree 75x75x75 mm dia	each	<b>346.74</b>
3685	S.C.I. S&S double equal invert branch of required degree 100x100x100x100 mm dia	each	<b>568.95</b>
3686	S.C.I. S&S double equal invert branch of required degree 75x75x75x75 mm dia	each	<b>456.23</b>
3690	S.C.I. S&S single unequal invert branch of required degree 100x100x75 mm dia	each	<b>585.05</b>
3695	S.C.I. S&S double unequal invert branch of required degree 100x100x75x75 mm dia	each	<b>778.28</b>
3699	S.C.I. S&S, 75 mm offset for 75 mm dia pipe	each	<b>241.53</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
3707	S.C.I. S&S, 150 mm offset for 75 mm dia pipe	each	<b>305.94</b>
3708	S.C.I. S&S, 150 mm offset for 100 mm dia pipe	each	<b>418.66</b>
3712	S.C.I. S&S, 114 mm offset for 75 mm dia pipe	each	<b>322.05</b>
3713	S.C.I. S&S, 114 mm offset for 100 mm dia pipe	each	<b>411.15</b>
3716	S.C.I. S&S, 152 mm offset for 75 mm dia pipe	each	<b>384.31</b>
3717	S.C.I. S&S, 152 mm offset for 100 mm dia pipe	each	<b>499.17</b>
3728	S.C.I. S&S, door pieces 100 mm dia	each	<b>429.39</b>
3729	S.C.I. S&S, door pieces 75 mm dia	each	<b>316.68</b>
3733	S.C.I. S&S, Slotted Cowl (Terminal Guard) 100 mm	each	<b>375.72</b>
3734	S.C.I. S&S, Slotted Cowl (Terminal Guard) 75 mm	each	<b>322.05</b>
3738	S.C.I. S&S, Slotted collars 100 mm	each	<b>268.37</b>
3739	S.C.I. S&S, Slotted collars 75mm	each	<b>182.49</b>
3746	S.C.I. S&S, 75 mm offset for 75 mm dia pipe	each	<b>234.02</b>
3747	S.C.I. S&S, 75 mm offset for 100 mm dia pipe	each	<b>389.68</b>
3749	Vitreous china toilet paper holder of standard size	each	<b>161.02</b>
3860	560 mm dia cover with frame (Heavy duty)	each	<b>9661.38</b>
3861	561 mm dia cover without frame (Heavy duty)	each	<b>5367.43</b>
4001	Stainless steel (Grade-304) hollow section round/square tubes	kg	<b>375.72</b>
4002	Stainless steel bolts/square bar and plates	kg	<b>139.55</b>
4006	Pressed steel door frames (mild steel sheet 1.25mm) profile 'B'	metre	<b>236.17</b>
4007	Pressed steel door frames (mild steel sheet 1.25mm) profile 'C'	metre	<b>257.64</b>
4008	Pressed steel door frames (mild steel sheet 1.25mm) profile 'E'	metre	<b>289.84</b>
4009	Mild steel tubes, hot finished welded type	kilogram	<b>55.82</b>
4010	Mild steel tubes, hot finished seamless type	kilogram	<b>69.78</b>
4011	Mild steel tubes, electric resistant or induction butt welded	kilogram	<b>75.14</b>
4012	Circular C.I. box for ceiling fan	each	<b>64.41</b>
4013	Pulleys 40 mm dia	each	<b>32.20</b>
4014	Steel doors and windows Ready made steel door with necessary hinges, lugs and glazing clips excluding other fittings and their fixing	sqm	<b>2147.73</b>
4201	Aluminium primer	litre	<b>107.35</b>
4202	Primers Red Oxide Zinc Chromate primer	litre	<b>75.14</b>
4203	Copper Acetate	kilogram	<b>322.05</b>
4204	Hydrochloric Acid	kilogram	<b>37.57</b>
4205	Copper Chloride	kilogram	<b>322.05</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
4206	Copper Nitrate	kilogram	236.17
4207	Ammonium Chloride	kilogram	21.47
5001	Oil / Fuel Mobil oil	litre	214.70
6001	White marble slab Makrana second quality plain veined 18mm thick	sqm	2007.42
6007	Pink marble slab plain 18mm thick	sqm	692.40
6010	Udaypur green marble slab plain 18 mm thick	sqm	740.71
6019	Black zebra marble slab plain 18 mm thick	sqm	536.74
6501	Local Sand (Ganga)	cum	119.72
7001	Brass 100 mm mortice latch & lock with 6 levers with out pair of handles	each	279.11
7003	Pair of Anodised Aluminium lever handles for 100 mm mortice latch and lock	each	338.15
7004	Vitreous china flat back wash basin 550x400 mm	each	456.23
7005	Vitreous china 10 litres low level cistern without fittings	each	992.97
7006	Vitreous china 10 litres low level cistern with fittings	each	1717.58
7007	Fly Ash Bricks as per IS 12894(2002) & IS 3425(I to IV)	per 1000	6090.00
7008	F.P.S.(non modular) clay fly ash bricks class designation 7.5	1,000nos	4938.04
7009	Gypsum Board	sqm	214.70
7010	Ceiling sections	metre	41.87
7011	Perimetre channel	metre	28.98
7012	Intermediate channel	metre	45.09
7013	Ceiling angle	metre	20.40
7014	Connecting clips	each	6.66
7015	Soffit cleat	each	4.29
7016	Joint filler	kilogram	23.62
7017	Joint finisher	kilogram	25.76
7018	Joint tape roll	roll	155.66
7019	Dash fastner	each	16.10
7020	All drive screws(for gypsum board )	100 Nos.	64.41
7021	Primer (for gypsum uoard )	litre	91.25
7022	Chloropyriphos 20 % E.C. Lindane 20% E.C.	litre	171.76
7023	Chromium plated orackets (Curtain rod)	each	7.51
7024	Acid proof cement	tonne	8748.91
7027	M.S. Butt hinges 125x90x4 mm	ten	118.08
7028	12.5 mm thick Fully Perforated gypsum board	sqm	995.12

Code No	Description	Unit	Approved Rate Rs.
1	2	3	4
7029	Galvanised wire mesh of average width of aperture 1.4 mm and romin31 dia. of wire 0.63 mm	sqm	268.37
7030	12.5 mm thick tapered edge gypsum fire resistant board	sqm	254.42
7031	12.5 mm thick tapered edge gypsum moisture resistant board	sqm	290.91
7032	Frosted glass sheet of nominal thickness 4mm (weighing not less than 10 kg/sqm)	sqm	359.62
7033	Nickle plated M.S. pipe 25 mm dia.	metre	85.88
7034	Nickle plated M.S. pipe 20 mm dia.	metre	75.14
7035	Nickle plated M.S. Brackets for curtain rod 20 mm	each	7.51
7036	Nickle plated M.S. Brackets for curtain rod 25 mm	each	8.59
7040	Oxidised mild steel screws 35 mm	100 Nos.	53.67
7042	Mild steel conduit pipe (heavy type) ISI marked-20 mm dia.	metre	64.41
7043	Mild steel conduit pipe (heavy type) ISI marked-25 mm dia.	metre	75.14
7044	Rolling shutters of 80xO.90mm laths	sqm	1159.37
7045	Rolling shutters of 80x1.2mm laths	sqm	1234.51
7046	Top cover of Rolling shutters 0.90mm thick	metre	343.52
7047	Top cover of Rolling shutters 1.20mm thick	metre	375.72
7048	Rawl plug 50 mm (designation 10 no.)	each	10.73
7049	Teak wood lipping of size 25x3mm in pelmets	metre	23.62
7050	PU Primer	sqm	44.01
7051	40 mm (average) PU spray having 40-45 kg/m3 density	sqm	451.94
7052	Gl wire netting 3/4" x 24 G	sqm	28.98
7053	400 G polythene sheet	sqm	16.10
7055	Flat pressed 3 layer and graded particle board (medium density) Grade 1 conforming to IS : 3087 - 18 mm thick	sqm	450.86
7056	Aluminium Tee channel (heavy duty) with rollers and stop end	metre	53.67
7059	Aluminium hanging floor door stopper with twin rubber & stopper	each	69.78
7060	Hydraulic door closer tubular type Aluminium extruded section body - Gazel	each	901.73
7063	Oxidised M.S. casement stay (straight peg type) 300 mm not less than 0.33 kg.	each	23.62
7064	Oxidised M.S. casement stay (straight peg type) 250 mm not less than 0.28 kg.	each	21.47
7065	Oxidised M.S. casement stay (straight peg type) 200 mm not less than 0.24 kg.	each	19.32
7068	Extra for providing grilled rolling shutters with 8mm dia. M.S.	sqm	289.84
7070	Chequerred precast cement concrete tiles 22mm thick using marble chips of size 6mm Light shade using white cement	sqm	504.54
7071	White marble Raj Nagar plain 18 mm thick upto 0.50 sqm area	sqm	644.09

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
7072	Wall mounted water closet	each	<b>4991.71</b>
7073	Adjustable Vetricious China Cistern with fittings	each	<b>2683.72</b>
7074	White Vetricious China Waterless Urinal	each	<b>16102.29</b>
7075	Cistern with fittings for Waterless Urinal	each	<b>3649.85</b>
7076	White Vetricious Urinal	each	<b>15028.81</b>
7077	Acid and alkali resistant tiles size 300x300mm 10mm thick	ten	<b>611.89</b>
7087	S.C.I. Tee 150 mm	each	<b>644.09</b>
7090	Expanded polystyrene type N - Normal	sqm	<b>139.55</b>
7091	Expanded polystyrene type SE	sqm	<b>166.39</b>
7095	Stainless steel kitchen sink - with drain board bowl depth 250 mm	each	<b>5566.03</b>
7096	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 225 mm.	each	<b>5313.76</b>
7097	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 200 mm.	each	<b>4562.32</b>
7098	Stainless steel kitchen sink - with drain board 510 x 1040 mm bowl depth 178 mm.	each	<b>3220.46</b>
7101	Stainless steel kitchen sink - without drain board 610x510 mm bowl depth 200 mm	each	<b>3381.48</b>
7102	Stainless steel kitchen sink - without drain board 610x460 mm bowl depth 200 mm	each	<b>3054.07</b>
7103	Stainless steel kitchen sink - without drain board 470x420 mm bowl depth 178 mm	each	<b>2275.79</b>
7104	Coloured Orissa pattern W.C. pan 580x440 mm	each	<b>1417.00</b>
7105	Coloured Pedestal type W.C. pan 580x440 mm (European type)	each	<b>1234.51</b>
7106	Coloured Vitreous china 10 lit. low level cistern	each	<b>1846.40</b>
7107	Coloured (other than black) solid P.V.C. seat in European W.C. pan	each	<b>590.42</b>
7112	Circular shape 450 mm dia Mirror with Plastic moulded frame	each	<b>483.07</b>
7113	Rectangular shape 453x357 mm Mirror with Plastic moulded frame	each	<b>322.05</b>
7114	Oval shape 450x350 mm (outer dimensions) Mirror with Plasticmoulded frame	each	<b>375.72</b>
7115	Rectangular shape 1500x450 mm Mirror with Plastic moulded frame	each	<b>751.44</b>
7116	Hard board 6 mm thick	each	<b>187.86</b>
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	<b>32.20</b>
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	<b>37.57</b>
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	<b>30.06</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
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	<b>32.20</b>
7123	Coloured High density polyethylene/ poly propylene 10 lit. (full flush) capacity controlled low level flushing cistern with fittings	each	<b>735.34</b>
7126	White Vitreous china 10 lit. (full flush) capacity controlled low level flushing cistern with all fittings	each	<b>1046.65</b>
7127	Coloured Vitreous china 10 lit. (full flush) capacity controlled low level flushing cistern with all fittings	each	<b>1610.23</b>
7128	S.W. intercepting trap 100 mm dia	each	<b>203.96</b>
7129	S.W. intercepting trap 150 mm dia	each	<b>268.37</b>
7130	Rectangular shape 600x 450 mm precast R.C.C. manhole cover with frame - L.D. - 25	each	<b>805.11</b>
7131	Square shape 450x450 mm precast R.C.C. manhole cover with frame - L.D. - 25	each	<b>697.77</b>
7132	Circular shape 450 mm dia precast R.C.C. manhole cover with frame - L.D. - 25	each	<b>644.09</b>
7133	Rectangular shape 500x500 mm precast R.C.C. manhole cover with frame - M.D. - 10	each	<b>751.44</b>
7134	Circular shape 500 mm dia precast R.C.C. manhole cover with frame - M.D. - 10	each	<b>708.50</b>
7135	Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20	each	<b>1180.83</b>
7136	Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 35	each	<b>1315.02</b>
7137	Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS : 1995 and panels of 12 mm thick plain Type I, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087-1985 bonded with BWP type synthetic resin adhesive, as per IS : 848-1974	sqm	<b>1985.95</b>
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	<b>2179.18</b>
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	<b>2093.30</b>
7151	Sheet glass using 10 kg l sqm glass panes 30 mm thick shutters	sqm	<b>1771.25</b>
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	<b>1749.78</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
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	<b>1556.55</b>
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	<b>762.18</b>
7178	Chemical ASTM C-type I	kg	<b>118.08</b>
7181	C.I. pile shoe	kilogram	<b>53.67</b>
7182	M.S. clamps for pile shoe	kilogram	<b>48.31</b>
7183	Bentonite	tonne	<b>3327.81</b>
7184	Oxidised M.S. safety chain (weighing not less than 450 gms) for each door		<b>64.41</b>
7187	C.I. grating 150 mm dia. (Weighing not less than 440 gm)	each	<b>26.84</b>
7188	U-PVC pipes (working pressure 4 kg/cm <sup>2</sup> ) Single socketed pipe 75 mm dia	metre	<b>71.92</b>
7189	U-PVC pipes (working pressure 4 kg/cm <sup>2</sup> ) Single socketed pipe 100 mm dia.	metre	<b>138.48</b>
7190	U-PVC pipes (working pressure 4 kg/cm <sup>2</sup> ) Rubber (Seal) Ring 75 mm dia .	metre	<b>17.18</b>
7191	U-PVC pipes (working pressure 4 kg/cm <sup>2</sup> ) Rubber (Seal ) Ring 100 mm dia .	metre	<b>21.47</b>
7192	UPVC coupler for UPVC drainage pipes 75 mm	each	<b>36.50</b>
7193	UPVC coupler for UPVC drainage pipes 110 mm	each	<b>55.82</b>
7194	UPVC pushfit coupler (single) 75 mm thick	each	<b>53.67</b>
7195	UPVC pushfit coupler (single) 110 mm thick	each	<b>86.95</b>
7196	UPVC single equal Tee ( with door) 75x75x75 mm	each	<b>101.98</b>
7197	UPVC single equal Tee (with door) 110x110x110 mm	each	<b>137.41</b>
7198	UPVC single equal Tee ( with door) 75x75x75 mm	each	<b>123.45</b>
7199	UPVC single equal Tee ( with door) 110x110x110 mm	ecch	<b>193.23</b>
7208	UPVC bend 87.50 75 mm bend	each	<b>60.12</b>
7209	UPVC bend 87.50 110 mm bend	each	<b>101.98</b>
7212	UPVC plain shoe 75 mm	each	<b>114.86</b>
7213	UPVC plain shoe 110 mm	each	<b>222.21</b>
7214	UPVC pipe clip 75 mm bend	each	<b>17.18</b>
7215	UPVC pipe clip 110 mm bend	each	<b>33.28</b>
7231	Resin Bonded Glass wool 16 kg/m <sup>3</sup> , 50mm thick	sqm	<b>155.66</b>
7232	Resin Bonded Glass wool 24 kg/m <sup>3</sup> , 50mm thick	sqm	<b>218.99</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
7233	Bitumen felt fibre base (vegetable or animal) Fibre glass tissue reinforced bitumen Felt Type 2 grade I conforming to IS : 7193	sqm	<b>77.29</b>
7236	Precast chequered cement tiles 22mm thick dark shade using ordinary cement	sqm	<b>246.90</b>
7237	Precast chequered cement tiles 22mm thick medium shade using 50% white cement, 50% ordinary cement	sqm	<b>397.19</b>
7238	High Albedo paint	kg	<b>264.08</b>
7239	Epoxy paint	litre	<b>268.37</b>
7240	Fire retardant paint	litre	<b>279.11</b>
7241	Melamine polish	litre	<b>322.05</b>
7244	Table rubbed polished stone 18mm thick (75x50 cm) Agaria marble stone - 18 mm thick	sqm	<b>1878.60</b>
7245	Table rubbed polished stone 18mm thick (75x50 cm) Granite stone 18 mm thick	sqm	<b>1932.28</b>
7246	Verticle load testing (INITIAL) of piles in accordance with IS : 2911 (part-IV) including installation of loading platform and prepration of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & Upto 50 tonne capacity pile	per test	<b>35639.74</b>
7247	Verticle load testing (INITIAL) of piles in accordance with IS : 2911 (part-IV) including installation of loading platform and prepration of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & Above 50 tonne & upto 100 tonne capacity pile:	per test	<b>43261.49</b>
7248	Verticle load testing (INITIAL) of piles in accordance with IS : 2911 (part-IV) including installation of loading platform and prepration of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & Group of two more piles Upto 50 tonne capacity piles.	per test	<b>52064.08</b>
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	<b>16102.29</b>
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	<b>24690.18</b>
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	<b>31667.84</b>
7252	Lateral load testing of single pile in accordance with iS: 2911 Part - IV for determining safe allowable lateral load on pile. Upto 50 tonne capacity pile	per test	<b>16102.29</b>



<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
7253	Lateral load testing of single pile in accordance with IS: 2911 Part - IV for determining safe allowable lateral load on pile. Above 50 tonne capacity pile and upto 100 tonne capacity piles	per test	<b>25334.27</b>
7254	Hard crete compound	litre	<b>42.94</b>
7255	Road marking paint (spirit based)	litre	<b>128.82</b>
7256	Superior quality road marking paint	litre	<b>182.49</b>
7257	C.P. Brass bibcock 15 mm	each	<b>402.56</b>
7258	C.P. Brass long nose bibcock 15 mm	each	<b>705.28</b>
7259	C.P. Brass long body bibcock 15 mm	each	<b>537.82</b>
7260	C.P. Brass stop cock (concealed) 15 mm	each	<b>550.70</b>
7261	C.P. Brass angle valve 15 mm	each	<b>447.64</b>
7266	Pressed clay tiles	1000 nos.	<b>13042.86</b>
7267	Plain ceiling tiles (BWP type phenol formal dehyde synthetic resin bonded) (600x600x12mm)	each	<b>128.82</b>
7268	Semi perforated ceiling tiles (600x600x12mm)	each	<b>128.82</b>
7269	25 mm thick particle board	sqm	<b>515.27</b>
7270	30mm thick pre laminated flush door shutter	sqm	<b>912.46</b>
7271	IInd class teak wood lipping 25mm wide x 12mm thick	metre	<b>42.94</b>
7272	25 mm thick melamine faced prelaminated three layer particle board	sqm	<b>1009.08</b>
7273	Resin Bonded Rockwool 48 kg/m <sup>3</sup>	sqm	<b>226.51</b>
7280	Waste plastic additive	tonne	<b>42939.45</b>
7281	Chemical ASTM C-type II	kg	<b>182.49</b>
7295	Granite Black marble 18 mm thick slab , above 0.2 sqm upto 0.5 sqm (areawise)	sqm	<b>2039.62</b>
7296	Granite of any colour, 30 mm thick (slab area upto 0.50 sqm)	sqm	<b>2469.02</b>
7297	Granite Black marble ,18 mm thick slab , above 1.0 sqm upto 2.0 sqm ( areawise )	sqm	<b>2146.97</b>
7306	Aluminium T or L sections	kilogram	<b>214.70</b>
7307	For flush door shutters Extra for providing teak veneering on one side instead of commercial veneering	sqm	<b>364.99</b>
7309	Paving Asphalt of grade VG-30 of approved quality	tonne	<b>44012.93</b>
7312	Expandable fastner with plastic sleeve and M.S. screws. 25 mm long	each	<b>10.73</b>
7313	Expandable fastner with plastic sleeve and M.S. screws. 32 long	mm each	<b>11.81</b>
7314	Expandable fastner with plastic sleeve and M.S. screws. 40 long	mm each	<b>15.03</b>
7315	Expandable fastner with plastic sleeve and M.S. screws. 50 long	mm each	<b>16.10</b>
7318	Plasticizer/super plasticizer	kilogram	<b>40.79</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
7319	Wall form panel 1250X500mm	each	<b>1127.16</b>
7320	Tie bolt 12mm dia 100 mm length	each	<b>53.67</b>
7321	Tie bolt 12mm dia 150 mm length	each	<b>64.41</b>
7322	Tie bolt 20mm dia 150 mm length	each	<b>80.51</b>
7323	Tie bolt 20mm dia 225 mm length	each	<b>96.61</b>
7324	Spring coil 12mm	each	<b>17.18</b>
7325	Plastic cone 12mm dia	each	<b>19.32</b>
7326	Corner angle 45x45x5mm 1.50 m long	each	<b>322.05</b>
7327	100mm channel shoulder 2.5 m long	each	<b>1245.24</b>
7328	Double clip (bridge clip)	each	<b>104.13</b>
7329	Single clip	each	<b>82.66</b>
7330	M.S. tube 40mm dia	metre	<b>300.58</b>
7331	Wall form panel 1250x450mm	each	<b>1116.43</b>
7332	Corner angle 45x45x5 mm 2.50 m long	each	<b>364.99</b>
7333	Column clamp 450x1070 mm	each	<b>1309.65</b>
7334	Prop 2 m ( 2-3.5m)	each	<b>890.99</b>
7335	Binding wire	kilogram	<b>56.89</b>
7338	Gun metal cramp	kilogram	<b>354.25</b>
7339	Stainless steel pin.	kilogram	<b>364.99</b>
7340	Stainless steel pin.	kg	<b>203.96</b>
7342	Adjustable span ESQ+SI (2.35-3.40)	each	<b>2039.62</b>
7343	Adjustable telescopic prop 3 m (2.00-3.75 m)	each	<b>1288.18</b>
7344	Beam clamp 300-380mm (450-1070mm)	each set	<b>453.01</b>
7345	Prop 4m	each	<b>1255.98</b>
7346	Double coupler	each	<b>59.04</b>
7347	Cadmium plated full threaded steel screws (30x4 mm dia.)	100 Nos.	<b>30.06</b>
7348	Aluminium Washer 2 mm thick 15 mm dia	100 Nos.	<b>10.73</b>
7349	12mm M.S. 'U' beading	metre	<b>16.10</b>
7350	M S tower bolt bright finished / black stone enamelled 250x10 mm .	each	<b>35.14</b>
7353	M S tower bolt bright finished / black stone enamelled 100x10 mm	each	<b>24.44</b>
7354	Plastic encapsulated M.S. foot rest 30x20x15 cm	each	<b>123.45</b>
7358	Flushing Cistern P.V.C. 10 lts capacity ( low level ) (White) ( with fittings, accessories and flush pipe)	each	<b>687.03</b>
7359	P.V.C. automatic flushing cistern 5 lts capacity	each	<b>526.01</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
7361	P.V.C. automatic flushing cistern 10 lts capacity	each	<b>568.95</b>
7363	15 mm C.P. brass tap with elbow operation lever	each	<b>751.44</b>
7364	White glazed fire clay draining board 600x450x25 mm	each	<b>590.42</b>
7366	Glass reinforced Gyp sum ( GRG) board 8.5 mm thick	sqm	<b>257.64</b>
7367	Galvanised M.S. sheet 0.50mm thick pressed channel section of size 50x32mm	metre	<b>64.41</b>
7369	Galvanised M.S. sheet 0.50mm thick pressed stud 48x34x36mm	metre	<b>80.51</b>
7375	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Single lipped urinal	each	<b>499.17</b>
7376	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of two lipped urinals	each	<b>1127.16</b>
7377	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of three lipped urinals	each	<b>1341.86</b>
7378	G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of four lipped urinals	each	<b>2039.62</b>
7379	White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x375x350 mm with waste	each	<b>1717.58</b>
7380	Precast R.C.C. grating with frame 500x450 mm horizontal grating	each	<b>697.77</b>
7381	Precast R.C.C. grating with frame 450x100 mm vertical grating	each	<b>348.88</b>
7382	Bitumen emulsion rapid setting (R.S.) conforming to IS : 8887	each	<b>31989.89</b>
7385	3 mm thick translucent white acrylic plastic sheet	sqm	<b>611.89</b>
7386	12 thick particle board ceiling tile	sqm	<b>279.11</b>
7387	Spigot for standard jointing		<b>48.31</b>
7388	Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia hole	each	<b>53.67</b>
7389	Anodising 15 microns on aluminium sections	kilogram	<b>42.94</b>
7390	Neoprene / EPDM rubber gasket	meter	<b>26.84</b>
7391	Anodising 25 microns on aluminium sections	kg	<b>53.67</b>
7392	Power coating 50 microns on aluminium sections	kg	<b>68.70</b>
7393	Polyster powder coating 50 microns on aluminium sections	kg	<b>75.14</b>
7394	Double action hydraulic floor spring with stainless steel cover plate	each	<b>1663.90</b>
7395	6 mm dia. M.S. adjustable hangers including clips (upto 1.2 m length)	each	<b>30.06</b>
7396	Double action hydraulic floor spring with brass cover plate	each	<b>1824.93</b>
7397	Base Jack	each	<b>193.23</b>
7398	Challies	each	<b>858.79</b>
7399	cup locks	each	<b>85.88</b>
7400	15 mm PTMT bib cock	each	<b>107.35</b>
7401	15 mm PTMT bib cock with flange (fancy)	each	<b>150.29</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
7402	15 mm PTMT bib cock long body with flange	each	171.76
7403	15 mm dia PTMT stop cock(male thread)	each	107.35
7405	20 mm dia. PTMT stop cock	each	139.55
7406	PTMT pillar cock	each	171.76
7407	PTMT push cock 15 mm dia	each	96.61
7408	PTMT push cock 12 mm dia 20 mm BSP	each	85.88
7409	PTMT grating 100 mm dia	each	33.28
7410	PTMT Pillar cock (fancy) 15mm foam flow	each	241.53
7411	125 mm grating with waste hole	each	45.09
7412	Rectangular type with openable circular lid 150 mm size 18 mm high with 100 mm dia (110 gm)	each	130.97
7415	Double acting air valve 50 mm	each	4293.94
7416	Double acting air valve 80 mm	each	5582.13
7417	Double acting air valve 100 mm	each	7299.71
7418	Water meter (including testing charges) 80 mm	each	2286.53
7419	Water meter (including testing charges) 100 mm	each	3542.50
7420	Water meter (including testing charges) 150 mm	each	5367.43
7421	Water meter (including testing charges) 200 mm	each	5796.83
7422	Dirt box strainer 80 mm	each	3016.50
7423	Dirt box strainer 100 mm	each	4916.57
7424	Dirt box strainer 150 mm	each	6236.95
7425	Dirt box strainer 200 mm	each	8856.26
7426	Cat's eye	each	193.23
7427	Water stop Serrated with central bulb (225 mm wide, 8-11 mm thick)	metre	445.50
7428	Water stop Dumb bell with central bulb	metre	418.66
7429	Water stop Kicers	metre	402.56
7430	Wedge expansion hold fastner 1/4" or 6 mm	each	15.03
7431	Wedge expansion hold fastner 3/8" or 10 mm	each	16.10
7432	Wedge expansion hold fastner 1/2" or 12 mm	each	30.06
7439	8mm thick (mirror polished tiles machine cut edge) Raj Nagar white	sqm	536.74
7442	Wheel 75mm dia. 40mm wide	each	69.78
7443	Aluminium single cleat of size 30x32x3 mm	each	15.03
7444	Aluminium grip strip of size 50x12x2 mm	each	11.81
7445	25 mm prelamated flush door both side decorative	sqm	890.99
7449	Aluminium U beading	kilogram	236.17

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
7451	Glass sheet (Pin headed) 4mm thick	sqm	<b>322.05</b>
7452	Raj Nagar plain- White Marble (table rubbed and polished 18mm thick Above 0.10 sqm upto 0.20 sqm	sqm	<b>697.77</b>
7453	Raj Nagar plain- White Marble (table rubbed and polished 18mm thick Above 0.20 sqm upto 0.50 sqm	sqm	<b>805.11</b>
7466	Second class deodar teak wood lipping 30mm width x 12mm	metre	<b>32.20</b>
7468	Veneered particle board with commercial veneering on both sides 12 mm thick	sqm	<b>536.74</b>
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	<b>794.38</b>
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	<b>912.46</b>
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	<b>998.34</b>
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	<b>837.32</b>
7485	Oxidised M.S. hinges finished with nickle plating 50mm ( Over all width)	metre	<b>45.09</b>
7486	Oxidised M.S. hinges finished with nickle plating 65mm (Over all width)	metre	<b>57.97</b>
7491	PTMT - Waste Coupling 31/32 mm	each	<b>54.75</b>
7492	PTMT - Waste Coupling 38/40 mm	each	<b>68.70</b>
7493	PTMT - Bottle Trap 31/32 mm	each	<b>340.30</b>
7494	PTMT - Bottle Trap 38/40 mm	each	<b>370.35</b>
7495	PTMT - Ball Cock 15 mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	<b>143.85</b>
7496	PTMT - Ball Cock 20mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	<b>209.33</b>
7497	PTMT - Ball Cock 25 mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	<b>450.86</b>
7498	PTMT - Ball Cock 40 mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	<b>837.32</b>
7499	PTMT - Ball Cock 50 mm Complete with Epoxy Coated Aluminium Rod & H.D. Ball	each	<b>1234.51</b>
7500	PTMT - Angle Stop cock with Flange 15 mm	each	<b>139.55</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
7501	PTMT - Swiveling shower 15 mm	each	<b>93.39</b>
7503	PTMT - Liquid Soap Container of 400 ml capacity	each	<b>155.66</b>
7504	PTMT - Towel Ring 215x200x37 mm	each	<b>124.52</b>
7505	PTMT - Towel Rail (450 mm)	each	<b>206.11</b>
7506	PTMT - Towel Rail (600 mm)	each	<b>242.61</b>
7507	PTMT - Shelf 450x124x36 mm	each	<b>276.96</b>
7508	PTMT - Urinal Spreader 15 mm	each	<b>136.33</b>
7509	PTMT - Soap Dish/Holder 138x102x75 mm	each	<b>128.82</b>
7512	PTMT - handle 125x34x24 mm	each	<b>32.20</b>
7513	PTMT - handle 150x34x24 mm	each	<b>36.50</b>
7514	PTMT - butt hinges 75x60x10 mm	each	<b>45.09</b>
7515	PTMT - butt hinges 100x75x10 mm	each	<b>60.12</b>
7516	PTMT - Tower bolt 152x42x18 mm	each	<b>69.78</b>
7517	PTMT - Tower bolt 202x42x18 mm	each	<b>85.88</b>
7518	PTMT - door catcher 72x42 mm	each	<b>28.98</b>
7552	Coir Veneered board 4 mm thick	sqm	<b>311.31</b>
7553	Coir Veneered board 6 mm thick	sqm	<b>418.66</b>
7555	Coir Veneered board 12 mm thick	sqm	<b>697.77</b>
7556	Coir Veneered board 18 mm thick	sqm	<b>1105.69</b>
7651	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 100 mm dia	metre	<b>858.79</b>
7652	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 150 mm dia	metre	<b>1288.18</b>
7653	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 200 mm dia	metre	<b>1771.25</b>
7654	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 250 mm dia	metre	<b>2469.02</b>
7655	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 300 mm dia	metre	<b>3070.17</b>
7656	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 350 mm dia	metre	<b>3767.94</b>
7657	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 400 mm dia	metre	<b>4830.69</b>
7658	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 450 mm dia	metre	<b>5582.13</b>
7659	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 500 mm dia	metre	<b>7063.54</b>
7660	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 600 mm dia	metre	<b>8512.75</b>
7661	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 700 mm dia	metre	<b>11808.35</b>
7662	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 750 mm dia	metre	<b>12774.49</b>
7663	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 800 mm dia	metre	<b>12881.83</b>
7664	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 900 mm dia	metre	<b>15565.55</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
7665	Ductile Iron class K - 9 pipe Conforming to I.S. 8329 1000 mm dia	metre	<b>17497.82</b>
7666	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 100 mm dia	ench	<b>32.20</b>
7668	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 150mm dia	ench	<b>40.79</b>
7669	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 200mm dia	ench	<b>70.85</b>
7670	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 250mm dia	ench	<b>83.73</b>
7671	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 300 mm dia	ench	<b>123.45</b>
7672	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 350 mm dia	ench	<b>141.70</b>
7673	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 400 mm dia	ench	<b>257.64</b>
7674	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 450 mm dia	ench	<b>300.58</b>
7675	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 500 mm dia	ench	<b>327.41</b>
7676	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 600 mm dia	ench	<b>407.92</b>
7677	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 700 mm dia	ench	<b>617.25</b>
7678	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 750 mm dia	ench	<b>740.71</b>
7679	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 800 mm dia	ench	<b>815.85</b>
7680	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 900 mm dia	ench	<b>1073.49</b>
7681	Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 1000 mm dia	ench	<b>1288.18</b>
7682	Ductile Iron K - 12 specials suitable for push on jointing upto 600 mm dia	quintal	<b>13955.32</b>
7683	Ductile Iron K - 12 specials suitable for push on jointing over 600 mm dia	quintal	<b>19322.75</b>
7684	Ductile Iron specials suitable for mechanical jointing as per I.S. 9523 - upto 600 mm dia	quintal	<b>14706.76</b>
7685	Ductile Iron Specials suitable for mechanical jointing as per I.S. 9523 over 600 mm dia	quintal	<b>21094.00</b>
7686	Ductile Iron Pipe Class K-9 flanges and welding 100 mm dia	metre	<b>2340.20</b>
7687	Ductile Iron Pipe Class K-9 flanges and welding 150 mm dia	metre	<b>3757.20</b>
7688	Ductile Iron Pipe Class K-9 flanges and welding 200 mm dia	metre	<b>4412.03</b>
7689	Ductile Iron Pipe Class K-9 flanges and welding 250 mm dia	metre	<b>3676.69</b>
7690	Ductile Iron Pipe Class K-9 flanges and welding 300 mm dia	metre	<b>7471.46</b>
7691	Ductile Iron Pipe Class K-9 flanges and welding 350 mm dia	metre	<b>9446.68</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
7692	Ductile Iron Pipe Class K-9 flanges and welding 400mm dia	metre	<b>11389.69</b>
7693	Ductile Iron Pipe Class K-9 flanges and welding 450 mm dia	metre	<b>13847.97</b>
7694	Ductile Iron Pipe Class K-9 flanges and welding 500mm dia	metre	<b>16209.64</b>
7695	Ductile Iron Pipe Class K-9 flanges and welding 600mm dia	metre	<b>22146.02</b>
7696	Ductile Iron Pipe Class K-9 flanges and welding 700 mm dia	metre	<b>27481.25</b>
7697	S&S Centrifugally (Spun) C.I. Pipe class LA 100 mm dia	metre	<b>966.14</b>
7698	S&S Centrifugally (Spun) C.I. Pipe class LA 125mm dia	metre	<b>1202.30</b>
7699	S&S Centrifugally (Spun) C.I. Pipe class LA 150 mm dia	metre	<b>1449.21</b>
7700	S&S Centrifugally (Spun) C.I. Pipe class LA 200 mm dia	metre	<b>2469.02</b>
7701	S&S Centrifugally (Spun) C.I. Pipe class LA 250 mm dia	metre	<b>3220.46</b>
7702	S&S Centrifugally (Spun) C.I. Pipe class LA 300 mm dia	metre	<b>4347.62</b>
7703	S&S Centrifugally (Spun) C.I. Pipe class LA 350mm dia	metre	<b>5206.41</b>
7704	S&S Centrifugally (Spun) C.I. Pipe class LA 400mm dia	metre	<b>6870.31</b>
7705	S&S Centrifugally (Spun) C.I. Pipe class LA 450 mm dia	metre	<b>8319.52</b>
7706	S&S Centrifugally (Spun) C.I. Pipe class LA 500 mm dia	metre	<b>9661.38</b>
7707	S&S Centrifugally (Spun) C.I. Pipe class LA 600 mm dia	metre	<b>13520.56</b>
7708	S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing up to 300 mm dia	quintal	<b>5850.50</b>
7709	S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing over 300 mm dia	quintal	<b>8802.59</b>
7710	S&S Centrifugally (Spun) C.I. Pipe specials suitable for mechanical joint as per I.S. 13382 up to 300 mm dia	quintal	<b>9661.38</b>
7711	S&S Centrifugally (Spun) C.I. Pipe Specials suitable for mechanical joint as per IS 13382 over 300 mm dia	quintal	<b>10198.12</b>
7712	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 100 mm dia	metre	<b>1476.04</b>
7713	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 150 mm dia	metre	<b>2308.00</b>
7714	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 200 mm dia	metre	<b>3649.85</b>
7715	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 250 mm dia	metre	<b>4401.29</b>
7716	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 300 mm dia	metre	<b>5625.07</b>
7717	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 350 mm dia	metre	<b>7085.01</b>
7718	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 400 mm dia	metre	<b>9178.31</b>
7719	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 450 mm dia	metre	<b>11701.00</b>
7720	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 500 mm dia	metre	<b>14556.47</b>
7721	Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 600 mm dia	metre	<b>20181.54</b>



<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
7722	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 100 mm dia	metre	<b>831.95</b>
7723	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 150 mm dia	metre	<b>1202.30</b>
7724	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 200 mm dia	metre	<b>1663.90</b>
7725	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 250 mm dia	metre	<b>2254.32</b>
7726	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 300 mm dia	metre	<b>3113.11</b>
7727	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 350 mm dia	metre	<b>3698.16</b>
7728	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 400 mm dia	metre	<b>4310.05</b>
7729	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 450 mm dia	metre	<b>5208.55</b>
7730	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 500 mm dia	metre	<b>6156.44</b>
7731	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 600 mm dia	metre	<b>8029.68</b>
7732	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 700 mm dia	metre	<b>10319.42</b>
7733	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 800 mm dia	metre	<b>12989.18</b>
7734	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 900 mm dia	metre	<b>17250.92</b>
7735	Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 1000 mm dia	metre	<b>18283.62</b>
7736	Extruded burnt flyash clay sewer bricks conforming to I.S 4885	1000nos	<b>5796.83</b>
7737	Fly ash lime bricks (FALG Bricks) conforming to I.S. 12894 - 1989	1000nos	<b>5045.39</b>
7738	Calcium Silicate Bricks machine moulded confirming to I.S. 4139	1000nos	<b>5367.43</b>
7739	Modified Bitumen Refinery produced CRMB - 55	toone	<b>43905.58</b>
7741	Modified Bitumen Refinery produced CRMB - 60	toone	<b>43798.24</b>
7742	Bitumen emulsion medium setting (M.S.) conforming to IS : 8887	toone	<b>32204.59</b>
7743	M.S. pipe 150 mm dia casing pipe	metre	<b>1137.90</b>
7744	M.S. pipe 200 mm dia casing pipe	metre	<b>1395.53</b>
7745	PVC blind pipe 150 mm dia as per IS: 12818	metre	<b>536.74</b>
7746	PVC blind pipe 200 mm dia as per IS: 12818	metre	<b>805.11</b>
7747	M.S. cap 150 mm dia	each	<b>171.76</b>
7748	M.S. cap 200 mm dia	each	<b>214.70</b>
7749	M.S bail plug 150 mm dia	each	<b>214.70</b>
7750	M.S bail plug 200 mm dia	each	<b>236.17</b>
7751	PVC slotted pipe 150 mm dia as per IS: 12818	metre	<b>483.07</b>
7752	PVC slotted pipe 200 mm dia as per IS: 12818	metre	<b>751.44</b>
7753	Boulder 50 mm to 200 mm	cum	<b>375.72</b>
7754	Gravel 5 mm to 10 mm	cum	<b>751.44</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
7755	Gravel 1.5 mm to 2 mm	cum	<b>697.77</b>
7756	Gravel 3 mm to 6 mm	cum	<b>729.97</b>
7757	M.S. pipe 100 mm dia casing pipe	metre	<b>826.58</b>
7758	UPVC blind pipe 100 mm dia as per IS: 12818	metre	<b>386.46</b>
7759	UPVC slotted pipe 100 mm dia as per IS: 12818	metre	<b>407.92</b>
7760	M.S. cap 100 mm dia	each	<b>139.55</b>
7761	M.S. bail plug 100 mm dia	each	<b>171.76</b>
7762	Precast R.C.C. perforated slab	each	<b>858.79</b>
7763	Water supply tanker of 5000 litre capacity	each	<b>858.79</b>
7764	M.S. socket 100 mm dia	each	<b>193.23</b>
7765	M.S. socket 150 mm dia	each	<b>236.17</b>
7766	M.S. socket 200 mm dia	each	<b>300.58</b>
7767	Stone cleaning chemical approved by ASI	litre	<b>177.13</b>
7768	Water repellent chemical approved by ASI	litre	<b>1703.62</b>
7769	Stone surface strengthening chemical approved by ASI	litre	<b>1094.96</b>
7770	Turpentine oil	litre	<b>73.00</b>
7771	Liquid Amonia 5%	litre	<b>172.83</b>
7772	Pea Gravel	cum	<b>805.11</b>
7773	Coloured inter locking C.C. paver Block	sqm	<b>536.74</b>
7774	Stone size 10x10x7.50cm	each	<b>9.66</b>
7775	Sodium pentachlorophenate	kilogram	<b>676.30</b>
7800	Ceramic Glazed Tiles 1st Quality minimum thickness 5mm in all colours shades except Burgandy, Bottle Green, Black	sqm	<b>322.05</b>
7801	Ceramic Glazed Tiles 1st quality 300x300 mm in all shades & designs of White, Ivory, Fume Red Brown etc.	sqm	<b>391.82</b>
7802	Ceramic Glazed Tiles 1st quality 300x300 mm in all shades & designs except White, Ivory, Grey and Fume Red Brown etc.	sqm	<b>402.56</b>
7803	Ceramic Glazed Tiles 1st quality 300x300 or more in all shades designs White, Ivory, Grey and Fume Red Brown etc.	sqm	<b>552.85</b>
7804	Ceramic Glazed Tiles 1st quality 300x300 or more mm hi all shades designs except White, Ivory, Grey and Fume Red brown etc.	sqm	<b>585.05</b>
7805	Salem Stainless steel AISI - 304 (18/8) Orrisa pattern W.C. pan 724 mm X 578 mm	each	<b>4079.25</b>
7806	Salem Stainless steel AISI - 304 (18/8) Round basin 405 mm X355 mm	each	<b>1985.95</b>
7807	Salem Stainless steel AISI - 304 (18/8) Wash basin 530 mm X 345 mm each	each	<b>1771.25</b>
7808	Centrifugally cast (spun) iron S&S 100 mm inlet and 100 mm outlet	each	<b>466.97</b>
7809	Centrifugally cast (spun) iron S&S 100 mm inlet and 75 mm outlet	each	<b>502.39</b>
7850	Agaria White marble slab plain 18 mm thick	each	<b>1202.30</b>
7857	P.T.M.T. Grating square slit 150 mm	each	<b>82.66</b>
7858	P.T.M.T. Urinal cock 15mm dia	each	<b>128.82</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
7859	P.T.M.T. Bib cock with nozzle 15 mm	each	<b>155.66</b>
7861	P.T.M.T. Stop cock (concealed) 15 mm	each	<b>169.61</b>
7862	15 mm nominal bore and 30 cm length PVC connection pipe with P.T.M.T. Nuts	each	<b>34.35</b>
7863	15 mm nominal bore and 45 cm length PVC connection pipe with P.T.M.T. Nuts	each	<b>42.94</b>
7864	P.T.M.T. extension nipple 15 mm	each	<b>34.35</b>
7865	P.T.M.T. extension nipple 20 mm	each	<b>40.79</b>
7866	P.T.M.T. extension nipple 25 mm	each	<b>61.19</b>
7893	Tactile tile	sqm	<b>931.79</b>
7895	Matt finished vitrified tile 100x100 x16 mm	sqm	<b>998.34</b>
7896	Vitrified tile	sqm	<b>547.48</b>
7900	Modular common burnt clay bricks of class designation 7.5	1,000nos	<b>4830.69</b>
7901	Machine moulded perforated common burnt clay FPS (non modular) bricks of class designation 12.5	1,000nos	<b>4938.04</b>
7902	Machine moulded common burnt clay modular perforated bricks of class designation 12.5	1,000nos	<b>4938.04</b>
7903	Machine moulded common burnt clay FPS (non modular) bricks of class designation 12.5	1,000nos	<b>4830.69</b>
7904	Machine moulded common burnt clay tile bricks of class designation 12.5	1,000nos	<b>5367.43</b>
8001	24 mm thick Factory made shutters with styles, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	<b>2308.00</b>
8002	30 mm thick Factory made shutters with styles, rails and panels of PVC extruded sections in white, grey or wooden finish	sqm	<b>2415.34</b>
8003	Factory made PVC rigid foam panelled door shutter 30 mm thick	sqm	<b>2308.00</b>
8004	Factory made PVC rigid foam panelled shutters as per I S: 4020 i/c carriage	sqm	<b>2737.39</b>
8006	Factory made PVC rigid foam sheet 1 mm thick	sqm	<b>198.59</b>
8007	Factory made PVC rigid foam sheet 5 mm thick	sqm	<b>678.44</b>
8008	Factory made Prelaminated PVC rigid foam sheet 5 mm thick	sqm	<b>807.26</b>
8010	Factory made PVC Door frame 48x40x1.5 mm in white , grey or wooden finish	metre	<b>161.02</b>
8011	Factory made door frame PVC extruded sheet i/c carriage	metre	<b>375.72</b>
8012	Adhesive Solvent cement	litre	<b>177.13</b>
8014	Factory made door frame of size 50x47 mm with wall thickness 5mm made of single piece extruded profile	metre	<b>526.01</b>
8100	Powder coated M.S. Butt Hinges 100x58x1.9mm	10 Nos	<b>91.25</b>
8200	APP modified Polymeric felt 1.5 mm thick	sqm	<b>64.41</b>
8201	APP modified Polymeric felt 2.0 mm thick	sqm	<b>106.28</b>
8203	A P.P. modified 2 mm thick membrane reinforced with glass fibre matt.	sqm	<b>179.27</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8204	A.P.P. modified 3 mm thick membrane reinforced with glass fibre matt.	sqm	<b>222.21</b>
8205	A.P.P. modified 3 mm thick membrane reinforced with polyester matt.	sqm	<b>263.00</b>
8206	Bitumen primer for bitumat membrane.	litre	<b>88.03</b>
8207	Geotextile 120 gsm membrane	sqm	<b>40.79</b>
8210	Stainless Steel 50mm long Screws	100 Nos.	<b>268.37</b>
8211	Stainless Steel 40mm long Screws	100 Nos.	<b>214.70</b>
8212	Stainless Steel 30mm long Screws	100. Nos.	<b>161.02</b>
8214	Stainless Steel 20mm long Screws	100 Nos.	<b>107.35</b>
8215	Stainless Steel 125x64x1.90mm Butt Hinge IS: 12817 marked	10 Nos.	<b>268.37</b>
8216	Stainless Steel 100x58x1.90mm Butt Hinge IS : 12817 marked	10 Nos.	<b>246.90</b>
8217	Stainless Steel 75x47x1.80mm Butt Hinge IS : 12817 marked	10 Nos.	<b>161.02</b>
8218	Stainless Steel 50x37x1.50mm Butt Hinge IS: 12817 marked	10 Nos.	<b>139.55</b>
8219	Stainless Steel 125x64x2.50mm Butt Hinge IS: 12817 marked	10 Nos.	<b>354.25</b>
8220	Stainless Steel 100x60x2.50mm Butt Hinge IS:12817 marked	10 Nos.	<b>257.64</b>
8221	Stainless Steel 75x60x2.50mm Butt Hinge IS: 12817 marked	10 Nos.	<b>209.33</b>
8222	M. S. heavy weight butt hinges 125x90x4.00mm (heavy weight) IS: 1341 marked	10 Nos.	<b>354.25</b>
8223	M. S. heavy weight butt hinges 100x75x3.50mm (heavy weight) IS: 1341 marked	10 Nos.	<b>182.49</b>
8224	M.S. heavy weigh butt hinges 75x60x3.10mm (heavy weight) IS: 1341 marked	10 Nos.	<b>96.61</b>
8225	M.S. heavy weight butt hinges 50x40x2.50mm (heavy weight) IS: 1341 marked	10 Nos.	<b>80.51</b>
8300	1216 mm PE-AL-PE Composite pressure pipe	metre	<b>101.98</b>
8301	1620 mm PE-AL-PE Composite pressure pipe	metre	<b>134.19</b>
8302	2025 mm PE-AL-PE Composite pressure pipe	metre	<b>171.76</b>
8303	2532 mm PE-AL-PE Composite pressure pipe	metre	<b>220.06</b>
8304	3240 mm PE-AL-PE Composite pressure pipe	metre	<b>364.99</b>
8305	4050 mm PE-AL-PE Composite pressure pipe	metre	<b>402.56</b>
8501	Polymer modified cementation coating	kilogram	<b>144.92</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8502	Fibre glass cloth	sqm	<b>47.23</b>
8503	Fibre glass cloth	sqm	<b>50.40</b>
8504	Multi surface paint	litre	<b>295.21</b>
8505	Acralyc exterior paint	litre	<b>150.29</b>
8506	Premium Acralyc exterior paint	litre	<b>252.27</b>
8507	Textured exterior paint	litre	<b>214.70</b>
8508	Primer for cement paint	litre	<b>83.73</b>
8509	Special Primer (C.W.)	litre	<b>89.10</b>
8510	Metal Primer (U.G.)	litre	<b>128.82</b>
8589	Calcium Silicate tegular edged ceiling tiles 595x595 mm and 15mm thick	sqm	<b>921.05</b>
8590	Galvanised Steel main Tee ceiling section Size 24x38x0.33 mm(3 metre long)	each	<b>206.11</b>
8591	Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long)	each	<b>134.19</b>
8592	Galvanised Steel intermediate cross T section Size 24 x 25 x0.33 mm (1.2 metre long)	each	<b>82.66</b>
8593	Galvanised Steel intermediate cross T section Size 24 x 25 x0.33 mm ( 0.6 metre long)	each	<b>41.87</b>
8594	Galvanised Steel soffit cleat size 25x35x1.60 mm	each	<b>3.22</b>
8595	Wooden screws with plastic rawl plugs 35x8 mm	each	<b>0.64</b>
8597	GI Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	<b>960.77</b>
8598	GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	<b>1073.49</b>
8599	GI Metal Tile Lay-in Plain Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick	sqm	<b>868.45</b>
8600	GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick	sqm	<b>972.58</b>
8601	PVC Laminated Gypsum Tiles (Square edge) of Size 595x595 mm and 12.5 mm thick	sqm	<b>502.39</b>
8602	Gypsum Tiles Fully Perforated Square edge of Size 595x595 mm and 12.5 mm thick	sqm	<b>519.57</b>
8604	Spring T-section 24x34x0.45 mm (3.00 meter long)	metre	<b>193.23</b>
8605	C Wall angle section 20x30x20x0.50 mm (3.00 meter long)	metre	<b>166.39</b>
8606	Main C Carrier Size 10x38x10x0.70 mm (3.00 meter long)	metre	<b>176.05</b>
8607	Spring T-connector	each	<b>5.37</b>
8608	C Carrier Connector	each	<b>11.81</b>
8609	C Suspension Clip	each	<b>11.81</b>
8610	Wire Coupling Clip	each	<b>9.66</b>
8611	Main T ceiling sections 24x38x0.3 mm (3 meter long)	each	<b>200.74</b>
8612	Perimeter Wall angle 21 x21 mm ( 3 meter long)	each	<b>126.67</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8613	Intermediate Cross Channel (1.2 mtrs)	each	<b>77.29</b>
8614	Intermediate Cross Channel (1.6 mtrs)	each	<b>36.50</b>
8615	Hanger rod 0.5 mm thick	each	<b>8.59</b>
8616	Adjustment clip	each	<b>6.44</b>
8617	Soffit Cleat	each	<b>3.22</b>
8618	Dash fastener 6 mm dia 50 mm long	each	<b>11.81</b>
8620	Vitrified floor tiles 50x50 cm	sqm	<b>799.75</b>
8621	Vitrified floor tiles 60x60 cm	sqm	<b>944.67</b>
8622	Vitrified floor tiles 80x80 cm	sqm	<b>1164.73</b>
8623	Vitrified floor tiles 1 00x1 00 cm	sqm	<b>1771.25</b>
8625	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 16 mm Outer dia	metre	<b>39.72</b>
8626	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 20mm Outer dia	metre	<b>61.19</b>
8627	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 25mm Outer dia	metre	<b>94.47</b>
8628	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 32mm Outer dia	metre	<b>152.44</b>
8629	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 40mm Outer dia	metre	<b>228.65</b>
8630	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 50mm Outer dia	metre	<b>357.47</b>
8631	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 63mm Outer dia	metre	<b>550.70</b>
8632	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 75mm Outer dia	metre	<b>751.44</b>
8633	Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 90mm Outer dia	metre	<b>1144.34</b>
8634	Poly propylene- Random - Co - Polymer (PPR) pipes SDR -11- 110 mm Outer dia	metre	<b>1288.18</b>
8635	Poly propylene- Random - Co - Polymer (PPR) pipes SDR-11 - 160mm Outer dia	metre	<b>2683.72</b>
8636	Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm outer dia	metre	<b>59.04</b>
8637	Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm outer dia	metre	<b>73.00</b>
8638	Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm outer dia	metre	<b>101.98</b>
8639	Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia	metre	<b>139.55</b>
8640	Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm outer dia	metre	<b>198.59</b>
8641	Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm outer dia	metre	<b>322.05</b>
8642	Chlorinated Polyvinyl - chloride (CPVC) pipe 62.5 mm inner dia	metre	<b>976.87</b>
8643	Chlorinated Polyvinyl - chloride (CPVC) pipe 75 mm inner dia	metre	<b>1395.53</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8644	Chlorinated Polyvinyl - chloride (CPVC) pipe 100 mm inner dia	metre	<b>1932.28</b>
8645	Chlorinated Polyvinyl - chloride (CPVC) pipe 150 mm inner dia	metre	<b>2308.00</b>
8646	Silicon sealant	cartridge	<b>329.56</b>
8647	Stainless steel screws 30mmx4mm	cent	<b>31.13</b>
8648	Hermetically sealed double glazed unit made with 6mm thick clear float glass both side having 12 mm air gap	sqm	<b>2458.28</b>
8649	Stainless steel (ss 304 grade) adjustable friction windows stay 205x19mm	each	<b>184.64</b>
8650	Stainless steel (ss 304 grade) adjustable friction window stay 255x19mm	each	<b>230.80</b>
8651	Stainless steel (ss 304 grade) adjustable friction window stay 355x19mm	each	<b>295.21</b>
8652	Stainless steel (ss 304 grade) adjustable friction window stay 510x19mm	each	<b>526.01</b>
8653	Stainless steel (ss 304 grade) adjustable friction window stay 710x19mm	each	<b>912.46</b>
8654	Masking tape	metre	<b>2.68</b>
8655	Autoclaved aerated cement (aac) blocks.	cum	<b>2289.38</b>
8656	Gypsum panel 666x500x100 mm size	sqm	<b>515.27</b>
8657	Bonding laster for gypsum panel.	kg	<b>59.04</b>
8658	Mechanised autoclaved fly ash lime bricks.	1000 nos	<b>4916.57</b>
8659	Water proof ply 12 mm thick.	sqm	<b>697.77</b>
8660	Aluminium casement window fastener(anodised ac 15)	each	<b>42.94</b>
8661	A'uminium casement window fastener(powder coated).	each	<b>44.01</b>
8662	Aluminium casement window fastener (polyester powder coated).	each	<b>42.94</b>
8663	Aluminium round shpe handle (anodised ac" 15)	each	<b>52.60</b>
8664	Aluminium round shpe handle (powder coated)	each	<b>57.97</b>
8665	Aluminium round shape handle (polyester powder coated).	each	<b>63.34</b>
8666	Stainless steei ocrews 25mmx4mm	cent	<b>34.35</b>
8667	UV-stabilised 2 mm thick plain frp sheet.	sqm	<b>499.17</b>
8668	UV stabilised 2 mm thick corrugated frp sheet.	sqm	<b>577.54</b>
8669	Mangalore ridgetiles 20 mm thick	each	<b>31.13</b>
8670	Mangalore tiles 20 mm thick.	each	<b>11.27</b>
8671	Precoated galvanised iron rpflesheet 0.50 mm tct	sqm	<b>466.97</b>
8672	Precoated galvanised steel plain ridges.	metre	<b>472.33</b>
8673	Precoated galvanised steel flashings/aprons.	metre	<b>472.33</b>
8674	Precoated galvanised steel gutter	metre	<b>488.44</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8675	Precoated galvanised steel north light curves.	metre	<b>488.44</b>
8676	Precoated galvanised steel barge board	metre	<b>477.70</b>
8677	Precoated galvanised steel crimp curve	sqm	<b>509.91</b>
8678	1 mm thick 35 mm wide bright finished stainless steel paino hinges.	metre	<b>42.94</b>
8682	Epoxy Grout	kg	<b>547.48</b>
8683	Red sand stone gang saw cut 30 mm thick.	sqm	<b>493.80</b>
8684	White sand stone gang saw cut 30 mm thick.	sqm	<b>515.27</b>
8685	Delineator	each	<b>332.78</b>
8686	Precast c.c. kerb stone M-25	cum	<b>4401.29</b>
8687	Thermoplastic paint	kg	<b>67.63</b>
8688	glass beads	kg	<b>66.56</b>
8689	Interlocking c.c. paverblock (60 mm thick, m-30)	sqm	<b>348.88</b>
8690	High intensity retro-reflective sheet.	sqm	<b>1637.07</b>
8691	Punched tape concertina coil 600 m dia. 10m openable length (total length 90 m)	bundle	<b>805.11</b>
8692	RBT reinforced barbed wire.	metre	<b>9.66</b>
8693	Turn buckle and strengthening bolte	each set	<b>42.94</b>
8694	Precast pavement slab 450x450x50 mm (m-30).	each	<b>64.41</b>
8695	Chain link fabric fencing mesh of size 50x50xmm made of G.I wire of dia. 4mm, pvc coated to outer dia. 5mm.	sqm	<b>276.96</b>
8696	Chain lind fabric fencing mesh of size 25x25xmm made of G.I wireof dia. 3 mm.	sqm	<b>305.94</b>
8697	Chain link fencing mesh of size 25x25 mm made of g.i. wire of dia. 3 mm.	sqm	<b>364.99</b>
8698	Stainless steei cramps with nuts, bolts and washer for dry stone cladding.	each	<b>96.61</b>
8699	8 mm thick tapered edge calcium silicated board.	sqm	<b>395.04</b>
8700	10 mm thick calcium silicate board.	sqm	<b>418.66</b>
8701	SS pipe 304 grades with press fit technology as per JIS 3448 standard 48.60 mm outer dia	metre	<b>729.97</b>
8702	Coupling/Socket fittings for 15.88 mm outer dia SS pipe	each	<b>61.19</b>
8703	Telescopic drawer channels 300 mm long.	set	<b>150.29</b>
8704	Stainless steel roller for sliding arrangement in racks/cupboards/cabinets shutter.	each	<b>8.59</b>
8705	50 mm x42mm x2 mm thick factory made door frame of pvc extruded sections in whiter, grey or wooden finish	metre	<b>150.29</b>
8706	25mm thick factory made pvc flush door shutter i/c carriage.	sqm	<b>2308.00</b>
8707	Factory made glass reinforced plastic door frame 90x45 mm i/c carriage.	metre	<b>407.92</b>



<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8708	30 mm thick factory made glass fiber reinforced plastic panel door shutter i/c carriage.	sqm	<b>1985.95</b>
8709	30 mm thick factory made solid PVC profile panelled door single piece extruded profile decorative finish (wood grain printed on both side)	sqm	<b>2844.74</b>
8710	Factory made solid pvc door frame 60x30xmm i/c carriage.	metre	<b>311.31</b>
8711	28 mm factory made solid pvc panel door shutter i/c carriage.	sqm	<b>2415.34</b>
8712	30 mm thick factory made solid PVC profile panelled door single piece extruded profile non decorative finish	sqm	<b>2262.91</b>
8713	Fiber glass reinforced plastic chajja.	sqm	<b>3864.55</b>
8714	Magnetic catcher triple strip horizontal type.	each	<b>21.47</b>
8715	Magnetic catcher double strip horizontal type.	each	<b>16.10</b>
8716	100 mm mortice lock with 6 levers for aluminium door.	each	<b>354.25</b>
8717	12.5 mm thick glass fibre reinforced gypsum board.	sqm	<b>182.49</b>
8719	2nd class teak wood lipping/moulded beading or taj beading of size, 18x5mm	metre	<b>32.20</b>
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	<b>42.94</b>
8721	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.	metre	<b>26.84</b>
8722	Nylon sleeves & wooden screws (40mm)	each	<b>2.15</b>
8723	Counter sunk ribbed head screw 25 mm.	cent	<b>80.51</b>
8724	12 mm thick marine plywood conforming to is: 710	sqm	<b>912.46</b>
8725	12 mm thick fire retardant plywood conforming to is:5509.	sqm	<b>944.67</b>
8726	1.5 mm thick decorative laminated sheet	sqm	<b>526.01</b>
8727	1.0 mm thick decorative laminated sheet	sqm	<b>407.92</b>
8730	30 mm thick factory made glass fiber reinforced plastic flush door shutter i/c carriage.	sqm	<b>2308.00</b>
8731	High polymer modified quickset tile adhesive.	per kg	<b>18.25</b>
8732	Synthetic ployster triangular fibre of length 12 mm, effective diameter 10-40 microns and specific gravity of 1:34 to 1:40	kg	<b>391.82</b>
8733	Synthetic ployster triangular fibre of length 6 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40	kg	<b>391.82</b>
8734	P.V.C. Single piece extruded door frame of profile size 50 mm x 47 mm with wall thickness of 5 mm	metre	<b>375.72</b>
8735	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile non decorative finished (Matt	sqm	<b>2254.32</b>
8736	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile decorative finished (Wood grain	sqm	<b>2791.06</b>
8737	Stainless steel wire guage (Grade-304) aperture 1.4 mm and 0.50 mm dia wire	sqm	<b>890.99</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8738	Factory made door frame fire rated ( 60 minutes) made with 16 SWG G.I. Sheet of section 143 mm x 57 mm duly filled with	metre	<b>1073.49</b>
8739	Fire rated door shuttere made with 16 SWG G.I. sheet (60 minutes) without panel	sqm	<b>5635.80</b>
8740	Fire seal Putty	kg	<b>751.44</b>
8741	Clear fire resistant glass panes 6mm thick (60 minutes)	sqm	<b>22543.21</b>
8742	G.I. U beading of 16 SWG G.I. sheet (zinc coating >120gm/m2) with ceramic tape of suitable thickness and fire	metre	<b>279.11</b>
8743	Matrix Mineral Board	metre	<b>69.78</b>
8744	Panic Bar / latch (Double point)	each	<b>5367.43</b>
8745	65 mm x 55 mm x 2 mm thick Factory made door frame of PVCextruded section in white,grey or wooden finish	metre	<b>354.25</b>
8746	37 mm thick Factory made shutter with style,rails and panels of PVCextruded section in white or grey finish i/c carriage	sqm	<b>2522.69</b>
8747	75 mm x 53 mm x 2.0 mm thick Factory made door frame of PVCextruded section in white,grey or wooden finish	metre	<b>375.72</b>
8748	37 mm thick Factory made fusion welded shutter with style, rails and panels of PVC extruded section in wooden finish	sqm	<b>2630.04</b>
8750	Zinc alloy (white powder coated) casement handle for uPVC windows	each	<b>171.76</b>
8751	Zinc alloy (white powder coated) Touch Lock for UPVC window	each	<b>118.08</b>
8752	Zinc alloy rollers for UPVC windows	each	<b>53.67</b>
8753	Zinc alloy rollers for UPVC door	each	<b>91.25</b>
8754	Zinc alloy (white powder coated) casement lock for UPVC wind	each	<b>107.35</b>
8755	Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for UPVC windows	each	<b>246.90</b>
8756	Stainless steel friction hinge of size 250 mm x 19 x 1.9 mm for UPVC windows	each	<b>311.31</b>
8757	Stainless steel friction hinge of size3000 mm x 19 x 1.9 mm for UPVC windows	each	<b>397.19</b>
8758	Stainless steel friction hinge of size350mm x 19 x 1.9 mm for UPVC windows	each	<b>450.86</b>
8759	Stainless steel friction hinge of size 400 mm x 19 x 1.9 mm for UPVC windows	each	<b>568.95</b>
8760	UPVC extruded profile casement window Frame (50 mm x 50 n	metre	<b>177.13</b>
8761	UPVC extruded profile casement window sash (Style and Rail) (62 mm x34 mm)	metre	<b>161.02</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8762	UPVC extruded profile casement window mullion (intermediate section)(66 mm x 50 mm)	metre	<b>198.59</b>
8763	UPVC extruded profile casement window 'T' profile (one vertical lengthin between two shutters) (24 mm x 34.5 mm)	metre	<b>53.67</b>
8764	UPVC extruded profile casement window glazing bead (12 mm x 18mm)	metre	<b>53.67</b>
8765	UPVC extruded profile casement window Frame ( 67 mm x 62 mm)	metre	<b>252.27</b>
8766	UPVC extruded profile casement Window Sash/Mullion ( 67 mm x 75mm) (Style,rail and intermediate section)	metre	<b>284.47</b>
8767	UPVC extruded profile casement window glazing bead (35 mm x 18mm)	metre	<b>91.25</b>
8768	UPVC extruded profile Two Track Sliding frame (67 mm x 52 mm)	metre	<b>263.00</b>
8769	UPVC extruded profile Sliding window Sash (60 mm x 44 mm)	metre	<b>246.90</b>
8770	UPVC extruded profile Sliding Interlock for Window (one vertical lengthin each shutter) (45.5 mm x 28 mm)	metre	<b>53.67</b>
8771	UPVC extruded profile Sliding Door Sash (80 mm x 44 mm)	metre	<b>311.31</b>
8772	Aluminium Track on bottom rail for uPVC window	metre	<b>26.84</b>
8773	Wool Pine for uPVC window	metre	<b>19.32</b>
8774	Aluminium Grill	metre	<b>268.37</b>
8775	Steel Galvanised tubular reinforcement for uPVC door/ window	metre	<b>53.67</b>
8776	Stainless steel dash fastener of 8 mm dia and 75 mm long bolt	each	<b>21.47</b>
8778	Toughened glass 12 mm thickness	sqm	<b>2039.62</b>
8779	SS pipe 304 grades with press fit technology as per JIS 3448 standard 15.88 mm outer dia	metre	<b>154.58</b>
8780	SS pipe 304 grades with press fit technology as per JIS 3448 standard 22.22 mm outer dia	metre	<b>272.67</b>
8781	SS pipe 304 grades with press fit technology as per JIS 3448 standard 28.58 mm outer dia	metre	<b>354.25</b>
8782	SS pipe 304 grades with press fit technology as per JIS 3448 standard 34.00 mm outer dia	metre	<b>502.39</b>
8783	SS pipe 304 grades with press fit technology as per JIS 3448 standard 42.70 mm outer dia	metre	<b>624.77</b>
8784	8 mm thick Calcium silicate perforated tiles of size 595 x595 mm	sqm	<b>738.56</b>
8786	Coupling/Socket fittings for 22.22 mm outer dia SS pipe	each	<b>94.47</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8787	Coupling/Socket fittings for 28.58 mm outer dia SS pipe	each	<b>115.94</b>
8788	Coupling/Socket fittings for 34.00 mm outer dia SS pipe	each	<b>247.98</b>
8789	Coupling/Socket fittings for 42.70 mm outer dia SS pipe	each	<b>354.25</b>
8790	Coupling/Socket fittings for 48.60 mm outer dia SS pipe	each	<b>478.77</b>
8791	Reducer for 22.22 mm X 15.88 mm outer Dia SS pipe	each	<b>110.57</b>
8792	Reducer for 28.58 mm X 15.88 mm outer Dia SS pipe	each	<b>151.36</b>
8793	Reducer for 28.58 mm X 22.22 mm outer Dia SS pipe	each	<b>155.66</b>
8795	Reducer for 34.00 mm X 22.22 mm outer Dia SS pipe	each	<b>254.42</b>
8796	Reducer for 34.00 mm X 28.58 mm outer Dia SS pipe	each	<b>254.42</b>
8797	Reducer for 42.70 mm X 15.88 mm outer Dia SS pipe	each	<b>385.38</b>
8798	Reducer for 42.70 mm X 22.22 mm outer Dia SS pipe	each	<b>388.60</b>
8799	Reducer for 42.70 mm X 28.58 mm outer Dia SS pipe	each	<b>388.60</b>
8800	Reducer for 42.70 mm X 34.00 mm outer Dia SS pipe	each	<b>415.44</b>
8801	Reducer for 48.60 mm X 15.88 mm outer Dia SS pipe	each	<b>502.39</b>
8802	Reducer for 48.60 mm X 22.22 mm outer Dia SS pipe	each	<b>504.54</b>
8803	Reducer for 48.60 mm X 28.58 mm outer Dia SS pipe	each	<b>508.83</b>
8804	Reducer for 48.60 mm X 34.00 mm outer Dia SS pipe	each	<b>514.20</b>
8805	Reducer for 48.60 mm X 42.70 mm outer Dia SS pipe	each	<b>560.36</b>
8806	Slip Coupling / Socket 15.88 mm outer dia SS pipe	each	<b>121.30</b>
8807	Slip Coupling / Socket 22.22 mm outer dia SS pipe	each	<b>197.52</b>
8808	Slip Coupling / Socket 28.58 mm outer dia SS pipe	each	<b>253.34</b>
8809	Slip Coupling / Socket 34.00 mm outer dia SS pipe	each	<b>374.65</b>
8810	Slip Coupling / Socket 42.70 mm outer dia SS pipe	each	<b>526.01</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8811	Slip Coupling / Socket 48.60 mm outer dia SS pipe	each	<b>653.75</b>
8812	Elbow 90o for 15.88 mm outer dia SS pipe	each	<b>92.32</b>
8813	Elbow 90o for 22.22 mm outer dia SS pipe	each	<b>164.24</b>
8814	Elbow 90o for 28.58 mm outer dia SS pipe	each	<b>226.51</b>
8815	Elbow 90o for 34.00 mm outer dia SS pipe	each	<b>460.53</b>
8816	Elbow 90o for 42.70 mm outer dia SS pipe	each	<b>705.28</b>
8817	Elbow 90o for 48.60 mm outer dia SS pipe	each	<b>867.38</b>
8818	Reducing Elbow 90o for 22.22 mm X 15.88 mm outer dia SS pipe	each	<b>158.88</b>
8819	Reducing Elbow 90o for 28.58 mm X 15.88 mm outer dia SS pipe	each	<b>231.87</b>
8820	Reducing Elbow 90o for 28.58 mm X 22.22 mm outer dia SS pipe	each	<b>237.24</b>
8821	Reducing Elbow 90o for 34.00 mm X 22.22 mm outer dia SS pipe	each	<b>344.59</b>
8822	Reducing Elbow 90o for 34.00 mm X 28.58 mm outer dia SS pipe	each	<b>425.10</b>
8823	Reducing Elbow 90o for 42.70 mm X 34.00 mm outer dia SS pipe	each	<b>749.29</b>
8824	Equal Tee for 15.88 mm outer dia SS pipe	each	<b>170.68</b>
8825	Equal Tee for 22.22 mm outer dia SS pipe	each	<b>247.98</b>
8826	Equal Tee for 28.58 mm outer dia SS pipe	each	<b>317.75</b>
8827	Equal Tee for 34.00 mm outer dia SS pipe	each	<b>662.34</b>
8828	Equal Tee for 42.70 mm outer dia SS pipe	each	<b>927.49</b>
8829	Equal Tee for 48.60 mm outer dia SS pipe	each	<b>1103.54</b>
8830	Reducing Tee for 22.22 mm X 15.88 mm outer dia SS pipe	each	<b>241.53</b>
8831	Reducing Tee for 28.58 mm X 15.88 mm outer dia SS pipe	each	<b>300.58</b>
8832	Reducing Tee for 28.58 mm X 22.22 mm outer dia SS pipe	each	<b>312.38</b>
8833	Reducing Tee for 34.00 mm X 15.88 mm outer dia SS pipe	each	<b>588.27</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8834	Reducing Tee for 34.00 mm X 22.22 mm outer dia SS pipe	each	<b>599.01</b>
8835	Reducing Tee for 34.00 mm X 28.58 mm outer dia SS pipe	each	<b>605.45</b>
8836	Reducing Tee for 42.70 mm X 15.88 mm outer dia SS pipe	each	<b>879.19</b>
8837	Reducing Tee for 42.70 mm X 22.22 mm outer dia SS pipe	each	<b>881.33</b>
8838	Reducing Tee for 42.70 mm X 28.58 mm outer dia SS pipe	each	<b>882.41</b>
8839	Reducing Tee for 42.70 mm X 34.00 mm outer dia SS pipe	each	<b>890.99</b>
8840	Reducing Tee for 48.60 mm X 15.88 mm outer dia SS pipe	each	<b>959.70</b>
8841	Reducing Tee for 48.60 mm X 22.22 mm outer dia SS pipe	each	<b>980.09</b>
8842	Reducing Tee for 48.60 mm X 28.58 mm outer dia SS pipe	each	<b>987.61</b>
8843	Reducing Tee for 48.60mm X 34.00 mm outer dia SS pipe	each	<b>1028.40</b>
8844	Reducing Tee for 48.60mm X 42.70mm outer dia SS pipe	each	<b>1065.97</b>
8845	Male thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded	each	<b>307.02</b>
8846	Male thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded	each	<b>369.28</b>
8847	Male thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded	each	<b>395.04</b>
8848	Male thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded	each	<b>444.42</b>
8849	Male thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	<b>463.75</b>
8850	Male thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	<b>518.49</b>
8851	Male thread Tee for 34.00 mm outer dia X 15 mm nominal dia	each	<b>646.24</b>
8852	Male thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded	each	<b>698.84</b>
8853	Male thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded	each	<b>834.10</b>
8854	Male thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded	each	<b>1053.09</b>
8855	Male thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded	each	<b>986.53</b>
8856	Male thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded	each	<b>1010.15</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8857	Male thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded	each	<b>1099.25</b>
8858	Male thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded	each	<b>1220.55</b>
8859	Male thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded	each	<b>1482.48</b>
8860	Male thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded	each	<b>1073.49</b>
8861	Male thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded	each	<b>1105.69</b>
8862	Male thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded	each	<b>1152.92</b>
8863	Male thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded	each	<b>1384.80</b>
8864	Male thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded	each	<b>1536.16</b>
8865	Male thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded	each	<b>1877.53</b>
8866	Female thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded	each	<b>313.46</b>
8867	Female thread Tee for 22.22 mm outer dia X 15 mm nominal dia	each	<b>369.28</b>
8868	Female thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded	each	<b>382.16</b>
8869	Female thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded	each	<b>477.70</b>
8870	Female thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded	each	<b>488.44</b>
8871	Female thread Tee for 28.58 mm outer dia X 25 mm nominal dia threaded	each	<b>534.60</b>
8872	Female thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded	each	<b>717.09</b>
8873	Female thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded	each	<b>728.90</b>
8874	Female thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded	each	<b>822.29</b>
8875	Female thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded	each	<b>976.87</b>
8876	Female thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded	each	<b>959.70</b>
8877	Female thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded	each	<b>976.87</b>
8878	Female thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded	each	<b>1097.10</b>
8879	Female thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded	each	<b>1145.41</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8880	Female thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded	each	<b>1247.39</b>
8881	Female thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded	each	<b>1143.26</b>
8882	Female thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded	each	<b>1155.07</b>
8883	Female thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded	each	<b>1196.94</b>
8884	Female thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded	each	<b>1271.01</b>
8885	Female thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded	each	<b>1323.61</b>
8886	Female thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded	each	<b>1466.38</b>
8887	Female threaded Connector/Adapter for 15.88 mm outer dia X 15mm nominal threaded	each	<b>203.96</b>
8888	Female threaded Connector/Adapter for 22.22 mm outer dia X 15mm nominal threaded	each	<b>246.90</b>
8889	Female threaded Connector/Adapter for 22.22 mm outer dia X 20mm nominal threaded	each	<b>254.42</b>
8890	Female threaded Connector/Adapter for 28.58 mm outer dia X 15mm nominal threaded	each	<b>297.36</b>
8891	Female threaded Connector/Adapter for 28.58 mm outer dia X 20mm nominal threaded	each	<b>307.02</b>
8892	Female threaded Connector/Adapter for 28.58 mm outer dia X 25mm nominal threaded	each	<b>361.76</b>
8893	Female threaded Connector/Adapter for 34.00 mm outer dia X 25mm nominal threaded	each	<b>439.06</b>
8894	Female threaded Connector/Adapter for 34.00 mm outer dia X 32mm nominal threaded	each	<b>577.54</b>
8895	Female threaded Connector/Adapter for 42.70 mm outer dia X 32mm nominal threaded	each	<b>618.33</b>
8896	Female threaded Connector/Adapter for 42.70 mm outer dia X 40mm nominal threaded	each	<b>731.04</b>
8897	Female threaded Connector/Adapter for 48.60 mm outer dia X 40mm nominal threaded	each	<b>899.58</b>
8898	Female threaded Connector/Adapter for 48.60 mm outer dia X 50mm nominal threaded	each	<b>1035.91</b>
8899	Male threaded Connector/Adapter for 15.88 mm outer dia X 15mm nominal threaded	each	<b>207.18</b>
8900	Male threaded Connector/Adapter for 22.22 mm outer dia X 15mm nominal threaded	each	<b>243.68</b>
8901	Male threaded Connector/Adapter for 22.22 mm outer dia X 20mm nominal threaded	each	<b>266.22</b>
8902	Male threaded Connector/Adapter for 28.58 mm outer dia X 20mm nominal threaded	each	<b>336.00</b>



<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8903	Male threaded Connector/Adapter for 28.58 mm outer dia X 25mm nominal threaded	each	<b>343.52</b>
8904	Male threaded Connector/Adapter for 34.00 mm outer dia X 25nominal dia threaded	each	<b>494.88</b>
8905	Male threaded Connector/Adapter for 34.00 mm outer dia X 32nominal dia threaded	each	<b>606.52</b>
8906	Male threaded Connector/Adapter for 42.70 mm outer dia X 32nominal dia threaded	each	<b>696.69</b>
8907	Male threaded Connector/Adapter for 42.70 mm outer dia X 40 nominal dia threaded	each	<b>779.35</b>
8908	Male threaded Connector/Adapter for 48.60 mm outer dia X 40	each	<b>901.73</b>
8909	Male threaded Connector/Adapter for 48.60 mm outer dia X 50 nominal dia threaded	each	<b>1221.63</b>
8910	Valve Connector for 15.88 mm outer dia X 15 mm nominal dia nominal dia threaded	each	<b>251.20</b>
8911	Valve Connector for 22.22 mm outer dia X 15 mm nominal dia nominal dia threaded	each	<b>296.28</b>
8912	Valve Connector for 22.22 mm outer dia X 20 mm nominal dia nominal dia threaded	each	<b>316.68</b>
8913	Valve Connector for 28.58 mm outer dia X 25 mm nominal dia nominal dia threaded	each	<b>455.16</b>
8914	Valve Connector for 34.00 mm outer dia X 32 mm nominal dia nominal dia threaded	each	<b>675.22</b>
8915	Valve Connector for 42.70 mm outer dia X 40 mm nominal dia nominal dia threaded	each	<b>939.30</b>
8916	Valve Connector for 48.60 mm outer dia X 50 mm nominal dia nominal dia threaded	each	<b>1262.42</b>
8917	Female Threaded Elbow 90o for 15.88 mm outer dia X 15 mm nominal dia threaded	each	<b>220.06</b>
8918	Female Threaded Elbow 90o for 22.22 mm outer dia X 15 mm nominal dia threaded	each	<b>295.21</b>
8919	Female Threaded Elbow 90o for 22.22 mm outer dia X 20 mm nominal dia threaded	each	<b>304.87</b>
8920	Female Threaded Elbow 90o for 28.58 mm outer dia X 25 mm nominal dia threaded	each	<b>451.94</b>
8921	Female Threaded Elbow 90o for 34.00 mm outer dia X 32 mm nominal dia threaded	each	<b>786.87</b>
8922	Female Threaded Elbow 90o for 42.70 mm outer dia X 32 mm nominal dia threaded	each	<b>987.61</b>
8923	Female Threaded Elbow 90o for 42.70 mm outer dia X40 mm nominal dia threaded	each	<b>1068.12</b>
8924	Female Threaded Elbow 90o for 48.60 mm outer dia X 40 mm nominal dia threaded	each	<b>1184.06</b>
8925	Female Threaded Elbow 90o for 48.60 mm outer dia X 50 mm nominal dia threaded	each	<b>1380.50</b>

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8926	Male Threaded Elbow 90o for 15.88 mm outer dia X 15 mm nominal dia threaded	each	<b>231.87</b>
8927	Male Threaded Elbow 90o for 22.22 mm outer dia X 15 mm nominal dia threaded	each	<b>293.06</b>
8928	Male Threaded Elbow 90o for 22.22 mm outer dia X 20 mm nominal dia threaded	each	<b>309.16</b>
8929	Male Threaded Elbow 90o for 28.58 mm outer dia X 25 mm nominal dia threaded	each	<b>404.70</b>
8930	Male Threaded Elbow 90o for 34.00 mm outer dia X 25 mm nominal dia threaded	each	<b>649.46</b>
8931	Male Threaded Elbow 90o for 34.00 mm outer dia X 32 mm nominal dia threaded	each	<b>790.09</b>
8932	Male Threaded Elbow 90o for 42.70 mm outer dia X 32 mm nominal dia threaded	each	<b>1002.64</b>
8933	Male Threaded Elbow 90o for 42.70 mm outer dia X 40 mm nominal dia threaded	each	<b>1137.90</b>
8934	Male Threaded Elbow 90o for 48.60 mm outer dia X 40 mm nominal dia threaded	each	<b>1277.45</b>
8935	Male Threaded Elbow 90o for 48.60 mm outer dia X 50 mm nominal	each	<b>1555.48</b>
8936	Cap for 15.88 mm outer dia pipe	each	<b>48.31</b>
8937	Cap for 22.22 mm outer dia pipe	each	<b>68.70</b>
8938	Cap for 28.58 mm outer dia pipe	each	<b>90.17</b>
8939	Cap for 34.00 mm outer dia pipe	each	<b>185.71</b>
8940	Cap for 42.70 mm outer dia pipe	each	<b>271.59</b>
8941	Cap for 48.60 mm outer dia pipe	each	<b>354.25</b>
8942	Pipe Bridge for 15.88 mm outer dia pipe	each	<b>229.73</b>
8943	Pipe Bridge for 15.88 mm outer dia pipe	each	<b>290.91</b>
8944	Pipe Bridge for 28.58 mm outer dia pipe	each	<b>436.91</b>
8945	4 Point facade glass bracket	Nos	<b>3561.83</b>
8946	2 Point facade glass bracket	Nos	<b>1780.91</b>
8947	1 Point facade glass bracket	Nos	<b>1507.17</b>
8948	Flate head bolt	Nos	<b>698.84</b>

Code No	Description	Unit	Approved Rate Rs.
1	2	3	4
8949	400 fin plate at top	pair	6366.85
8953	Micro Silica	kg	34.35
8954	Stop end tubes for diaphragm wall 600 mm dia.	sqm	4.83
8955	Driving end tubes for diaphragm wall 600 mm dia.	sqm	77.29
9999	Sundries	L.S.	1.82
0842	Ready mix paint for wood work	Per litre	218.47
0843	Ready mix paint for steel work	Per litre	218.47
0288	Brick Khoa	Per m3	1366.17
<b>1002</b>	<b>Mild steel round bar 12mm dia and below</b>	quintal	4956.00
1007	Structural steel	quintal	4735.00
0993	Plain A.C sheet standard quality(6mm thick)	sqm	196.54

### **NEW CODES**

0303	Cowdung	cum	51.53
0801	Silicon and acrylic emulsion	litre	214.70
0802	Acrylic distemper 1st quality , having VOC content less than 50gm/litre	Kg	40.79
0803	Acrylic emulsion , having VOC content less than 50 gm/litre	litre	268.37
0804	Premium acrylic emulsion of interior grade, having VOC content less than 50 gm/litre	litre	375.72
0805	Synthetic enamel paint , having VOC (Volatile Organic Compound) content less than 150 gm/litre	litre	236.17
0806	Ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 gms/litre	litre	128.82
0807	Ready mixed red oxide zinc chromatic on steel/ iron work, having VOC content less than 250 gms/litre	litre	139.55
0808	Water thinnable cement primer for interior wall surface, having VOC content less than 50 gms/litre	litre	64.41
0809	Exterior Primer	kg	42.94
0824	Cement base wall care putty	kg	25.76
1011	Steel glazed door,window/ ventilator, all members viz. F7D, F4B,K11 and K12B etc	kg	51.53
1200	Kiln seasoned selected sheesham wood planks	10 cudm	697.77
1204	Precast heat resistant terrace tiles (size 300x300 mm) and 20 mm thick	sqm	517.42
2393	1 mm thick Stainless Steel Cover plate grade 304	kg	295.21
2394	Coupler 16 mm dia	sqm	71.92
2395	Coupler 20 mm dia	sqm	94.47
2396	Coupler 25 mm dia	sqm	139.55
2397	Coupler 28 mm dia	sqm	206.11
2398	Coupler 32 mm dia	sqm	247.98

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
2408	Float glass sheet of nominal thickness 8 mm (weight not less than 20.00 kg/ sqm)	sqm	<b>751.44</b>
2413	12 mm commercial ply	sqm	<b>622.62</b>
2414	18 mm thick block board with commercial ply veneering on both side	sqm	<b>751.44</b>
2506	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 x 60 mm	10nos	<b>268.37</b>
2507	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 x 80 mm	10nos	<b>314.53</b>
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 x 120 mm	10nos	<b>390.75</b>
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 x 140 mm	10nos	<b>483.07</b>
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 x 160 mm	10nos	<b>611.89</b>
2708	Truf Paver (500 x 500 x 40 mm)	sqm	<b>1170.10</b>
2709	Ceremic Tiles Pieces for Crazy Flooring	quintal	<b>144.92</b>
3327	15 mm Battery Based Sensor Pillar Cock	each	<b>6249.84</b>
4001	Stainless steel (Grade-304) hollow section round/square tubes	kg	<b>375.72</b>
4002	Stainless steel bolts/square bar and plates	kg	<b>139.55</b>
7007	Fly Ash Bricks as per IS 12894(2002) & IS 3425(I to IV)	per 1000	6090.00
7028	12.5 mm thick Fully Perforated gypsum board	sqm	<b>995.12</b>
7030	12.5 mm thick tapered edge gypsum fire resistant board	sqm	<b>254.42</b>
7031	12.5 mm thick tapered edge gypsum moisture resistant board	sqm	<b>290.91</b>
7050	PU Primer	sqm	<b>44.01</b>
7051	40 mm (average) PU spray having 40-45 kg/m <sup>3</sup> density	sqm	<b>451.94</b>
7052	GI wire netting 3/4" x 24 G	sqm	<b>28.98</b>
7053	400 G polythene sheet	sqm	<b>16.10</b>
7072	Wall mounted water closet	each	<b>4991.71</b>
7073	Adjustable Vetricious China Cistern with fittings	each	<b>2683.72</b>
7074	White Vetricious China Waterless Urinal	each	<b>16102.29</b>
7075	Cistern with fittings for Waterless Urinal	each	<b>3649.85</b>
7076	White Vetricious Urinal	each	<b>15028.81</b>
7178	Chemical ASTM C-type I	kg	<b>118.08</b>
7280	Waste plastic additive	tonne	<b>42939.45</b>
7281	Chemical ASTM C-type II	kg	<b>182.49</b>
7743	M.S. pipe 150 mm dia casing pipe	metre	<b>1137.90</b>
7744	M.S. pipe 200 mm dia casing pipe	metre	<b>1395.53</b>

Code No	Description	Unit	Approved Rate Rs.
1	2	3	4
7745	PVC blind pipe 150 mm dia as per IS: 12818	metre	536.74
7746	PVC blind pipe 200 mm dia as per IS: 12818	metre	8051.15
7747	M.S. cap 150 mm dia	each	171.76
7748	M.S. cap 200 mm dia	each	214.70
7749	M.S bail plug 150 mm dia	each	214.70
7750	M.S bail plug 200 mm dia	each	236.17
7751	PVC slotted pipe 150 mm dia as per IS: 12818	metre	483.07
7752	PVC slotted pipe 200 mm dia as per IS: 12818	metre	751.44
7753	Boulder 50 mm to 200 mm	cum	375.72
7754	Gravel 5 mm to 10 mm	cum	751.44
7755	Gravel 1.5 mm to 2 mm	cum	697.77
7756	Gravel 3 mm to 6 mm	cum	729.97
7757	M.S. pipe 100 mm dia casing pipe	metre	826.58
7758	UPVC blind pipe 100 mm dia as per IS: 12818	metre	386.46
7759	UPVC slotted pipe 100 mm dia as per IS: 12818	metre	407.92
7760	M.S. cap 100 mm dia	each	139.55
7761	M.S. bail plug 100 mm dia	each	171.76
7762	Precast R.C.C. perforated slab	each	858.79
7763	Water supply tanker of 5000 litre capacity	each	858.79
7764	M.S. socket 100 mm dia	each	193.23
7765	M.S. socket 150 mm dia	each	236.17
7766	M.S. socket 200 mm dia	each	300.58
7767	Stone cleaning chemical approved by ASI	litre	177.13
7768	Water repellent chemical approved by ASI	litre	1703.62
7769	Stone surface strengthening chemical approved by ASI	litre	1094.96
7770	Turpentine oil	litre	73.00
7771	Liquid Amonia 5%	litre	172.83
7772	Pea Gravel	cum	805.11
8014	Factory made door frame of size 50x47 mm with wall thickness 5 mm made of single piece extruded profile	metre	526.01
8589	Calcium Silicate tegular edged ceiling tiles 595x595 mm and 15 mm thick	sqm	921.05
8590	Galvanised Steel main Tee ceiling section Size 24 x 38 x 0.33 mm(3 metre long)	each	206.11
8591	Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00metre long)	each	134.19
8592	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm(1.2 metre long)	each	82.66
8593	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm ( 0.6 metre long)	each	41.87
8594	Galvanised Steel soffit cleat size 25x35x1.60 mm	each	3.22
8595	Wooden screws with plastic rawl plugs 35x8 mm	each	0.64
8597	GI Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	960.77
8598	GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	sqm	1073.49
8599	GI Metal Tile Lay-in Plain Tegular edge global white color tiles of Size595x595 mm and 0.5 mm thick	sqm	868.45

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8600	GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595 mm and 0.5 mm thick	sqm	<b>972.58</b>
8601	PVC Laminated Gypsum Tiles (Square edge) of Size 595x595 mm and 12.5 mm thick	sqm	<b>502.39</b>
8602	Gypsum Tiles Fully Perforated Square edge of Size 595x595 mm and 12.5 mm thick	sqm	<b>519.57</b>
8604	Spring T-section 24x34x0.45 mm (3.00 meter long)	metre	<b>193.23</b>
8605	C Wall angle section 20x30x20x0.50 mm (3.00 meter long)	metre	<b>166.39</b>
8606	Main C Carrier Size 10x38x10x0.70 mm (3.00 meter long)	metre	<b>176.05</b>
8607	Spring T-connector	each	<b>5.37</b>
8608	C Carrier Connector	each	<b>11.81</b>
8609	C Suspension Clip	each	<b>11.81</b>
8610	Wire Coupling Clip	each	<b>9.66</b>
8682	Epoxy Grout	kg	<b>547.48</b>
8709	30 mm thick factory made solid PVC profile panelled door single piece extruded profile decorative finish (wood grain printed on both side)	sqm	<b>2844.74</b>
8712	30 mm thick factory made solid PVC profile panelled door single piece extruded profile non decorative finish	sqm	<b>2262.91</b>
8734	P.V.C. Single piece extruded door frame of profile size 50 mm x 47 mm with wall thickness of 5 mm	metre	<b>375.72</b>
8735	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile non decorative finished (Matt finished)	sqm	<b>2254.32</b>
8736	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile decorative finished (Wood grain finished)	sqm	<b>2791.06</b>
8737	Stainless steel wire guage (Grade-304) aperture 1.4 mm and 0.50 mm dia wire	sqm	<b>890.99</b>
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	<b>1073.49</b>
8739	Fire rated door shutter made with 16 SWG G.I. sheet (60 minutes) without panel	sqm	<b>5635.80</b>
8740	Fire seal Putty	kg	<b>751.44</b>
8741	Clear fire resistant glass panes 6mm thick (60 minutes)	sqm	<b>22543.21</b>
8742	G.I. U beading of 16 SWG G.I. sheet (zinc coating >120gm/m <sup>2</sup> ) with ceramic tape of suitable thickness and fire resistant primer coating	metre	<b>279.11</b>
8743	Matrix Mineral Board	metre	<b>69.78</b>
8744	Panic Bar / latch (Double point)	each	<b>5367.43</b>
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	<b>354.25</b>
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	<b>2522.69</b>
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	<b>375.72</b>

Code No	Description	Unit	Approved Rate Rs.
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	2630.04
8750	Zinc alloy (white powder coated) casement handle for uPVC windows	each	171.76
8751	Zinc alloy (white powder coated) Touch Lock for UPVC windows	each	118.08
8752	Zinc alloy rollers for UPVC windows	each	53.67
8753	Zinc alloy rollers for UPVC door	each	91.25
8754	Zinc alloy (white powder coated) casement lock for UPVC windows	each	107.35
8755	Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for UPVC windows	each	246.90
8756	Stainless steel friction hinge of size 250 mm x 19 x 1.9 mm for UPVC windows	each	311.31
8757	Stainless steel friction hinge of size 300 mm x 19 x 1.9 mm for UPVC windows	each	397.19
8758	Stainless steel friction hinge of size 350 mm x 19 x 1.9 mm for UPVC windows	each	450.86
8759	Stainless steel friction hinge of size 400 mm x 19 x 1.9 mm for UPVC windows	each	568.95
8760	UPVC extruded profile casement window Frame (50 mm x 50 mm)	metre	177.13
8761	UPVC extruded profile casement window sash (Style and Rail) (62 mm x 34 mm)	metre	161.02
8762	UPVC extruded profile casement window mullion (intermediate section) (66 mm x 50 mm)	metre	198.59
8763	UPVC extruded profile casement window 'T' profile (one vertical length in between two shutters) (24 mm x 34.5 mm)	metre	53.67
8764	UPVC extruded profile casement window glazing bead (12 mm x 18 mm)	metre	53.67
8765	UPVC extruded profile casement window Frame (67 mm x 62 mm)	metre	252.27
8766	UPVC extruded profile casement Window Sash/Mullion (67 mm x 75 mm) (Style, rail and intermediate section)	metre	284.47
8767	UPVC extruded profile casement window glazing bead (35 mm x 18 mm)	metre	91.25
8768	UPVC extruded profile Two Track Sliding frame (67 mm x 52 mm)	metre	263.00
8769	UPVC extruded profile Sliding window Sash (60 mm x 44 mm)	metre	246.90
8770	UPVC extruded profile Sliding Interlock for Window (one vertical length in each shutter) (45.5 mm x 28 mm)	metre	53.67
8771	UPVC extruded profile Sliding Door Sash (80 mm x 44 mm)	metre	311.31
8772	Aluminium Track on bottom rail for uPVC window	metre	26.84
8773	Wool Pine for uPVC window	metre	19.32
8774	Aluminium Grill	metre	268.37
8775	Steel Galvanised tubular reinforcement for uPVC door/window	metre	53.67
8776	Stainless steel dash fastener of 8 mm dia and 75 mm long bolt	each	21.47

<b>Code No</b>	<b>Description</b>	<b>Unit</b>	<b>Approved Rate Rs.</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
8778	Toughened glass 12 mm thickness	sqm	<b>2039.62</b>
8779	Paver Block		
A	M35 grade 60mm thick		
	White	sqm	492.90
	Red	sqm	501.75
	Yellow	sqm	517.51
B	M40 grade 80mm thick		
	White	sqm	565.71
	Red	sqm	580.47
	Yellow	sqm	599.16
8780	Kerb Stone Block M30 Grade of Size 375mm x 300mm	each	82.14



**SUB HEAD: 0.4**  
**CAPACITY OF TRUCK**

## TRUCK CAPACITY PER TRIP

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

S.no	Materials	Truck Capacity		Net payable Volume or weight col 3*col 4
1	2	3	4	5
1	line,Moorum and building rubbish	6.00cum	1.00	6.00 cum
2	Earth	6.00cum	0.80	4.80 cum
3	Manurc or studge	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	steem coal	8.00 MT	1.00	8.00MT
<b>16</b>	<b>S.W.pipe 60 cm,length</b>			
(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
<b>17</b>	<b>R.C.C pipe and A.C pipe</b>			
(i)	100 mm dia	145 No*2M=290M	1.00	290.00M
(ii)	125 mm dia	100 No*2M=200M	1.00	200.00M
(iii)	150 mm dia	90 No*2M=180M	1.00	180.00M
(iv)	200 mm dia	40No*2.5M=100M	1.00	40No*2.5M=100M

S.no	Materials	Truck Capacity		Net payable Volume or weight col 3*col 4
(v)	250 mm dia	30No*2.50M=75M	1.00	75.00M
(vi)	300 mm dia	24 No*2.5=60M	1.00	60.00M
(vii)	350 mm dia	19No*2.5M=47.5M	1.00	47.50M
(viii)	400mm dia & 450mm dia	13No*2.5M=32.5M	1.00	32.50M
(ix)	500mm dia & 600mm dia	10No*2.5M=25.0M	1.00	25.00M
(x)	700mm dia & 800mm dia	6No*2.5M=15M	1.00	15.00M
(xi)	900mm dia & 1100mm dia	4No*2.5M=10M	1.00	10.00M
(xii)	1100mm dia & 1200mm dia	3No*2.5M=7.5M	1.00	7.50M
	G.I crates 1*1.5*0.75 M	80 No	1.00	80 No
<b>18</b>	<b>Bamboos</b>			
(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
<b>20</b>	<b>Sal bullah Av 6M</b>			
(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
<b>21</b>	<b>Steel and C.I.Pipe 3.66 M</b>			
(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**

<b>CARRIAGE OF MATERIALS( By Tipper )</b>							
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					
		<b>Unit = cum</b>					
		<b>Taking output = 5.5 cum</b>					
		<b>Time required for</b>					
		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		
		<b>Total</b>			<b>20 Min</b>		
		<b>a) Machinery</b>					
		Tipper 5.5 tonnes capacity	hour	0.330	882.00	291.06	<b>P &amp; M 048</b>
		Front end-loader 1 cum bucket capacity @ 25 cum/hour	hour	0.330	1199.0	395.67	<b>P &amp; M 017</b>
		<b>b) Overhead charges @ 0.1 on (a)</b>				<b>68.67</b>	
		<b>c) Contractor's profit @ 0.1 on (a+b)</b>				<b>75.54</b>	
		Cost for 5.5 cum = a+b+c				830.94	
		<b>Rate per cum = (a+b+c)/ 5.5</b>				151.08	
	<b>Note</b> Unloading will be by tipping.				<b>say</b>	<b><u>Rs.151.10</u></b>	
1.2		Loading and Unloading of Boulders by Manual Means					
		<b>Unit = cum</b>					
		<b>Taking output = 5.5 cum</b>					
		<b>a) Labour</b>					
		Mate	day	0.110	198.00	21.78	L-12
		Mazdoor for loading and unloading	day	0.750	184.00	138.00	L-13
		<b>b) Machinery</b>					
		Tipper 5.5 tonne capacity	hour	0.750	882.00	661.50	
		<b>c) Overhead charges @ 0.1 on (a+b)</b>				<b>82.13</b>	
		<b>d) Contractor's profit @ 0.1 on (a+b+c)</b>				<b>90.34</b>	
		Cost for 5.5 cum = a+b+c+d				993.75	
		<b>Rate per cum = (a+b+c+d)/5.5</b>				180.68	
						<b>say</b>	<b><u>Rs.181.00</u></b>
	<b>Note</b> Unloading will be by tipping.						

1.3		<b>Loading and Unloading of Cement or Steel by Manual Means and Stacking.</b>					
		<b>Unit = tonne</b>					
		<b>Taking output = 10 tonnes</b>					
		<b>a) Labour</b>					
		Mate	day	0.080	198.00	15.84	L-12
		Mazdoor for loading and unloading	day	2.000	184.00	368.00	L-13
		<b>b) Machinery</b>					
		Truck 10 tonne capacity	hour	2.000	841.00	1682.00	
		<b>c) Overhead charges @ 0.1 on (a+b)</b>				<b>206.58</b>	
		<b>d) Contractor's profit @ 0.1 on (a+b+c)</b>				<b>227.24</b>	
		Cost for 10 tonnes = a+b+c+d				2499.67	
		<b>Rate per tonnes = (a+b+c+d)/10</b>				249.97	
					<b>say</b>	<b>Rs.250.00</b>	
1.4		<b>Cost of Haulage Excluding Loading and Unloading</b>					
		<b>Haulage of materials by tipper excluding cost of loading, unloading and stacking.</b>					
		<b>Unit = t.km</b>					
		<b>Taking output 10 tonnes load and lead 10 km = 100 t.km</b>					
	(i)	<b>Surfaced Road</b>					
		Speed with load : 25 km / hour.					
		Speed while Returning empty :35 km / hour.					
		<b>a) Machinery.</b>					
		<b>Tipper 10 tonne capacity</b>					
		Time taken for onward haulage with load	hour	0.400	882.00	352.80	
		Time taken for empty return trip.	hour	0.290	882.00	255.78	
		<b>b) Overhead charges @ 0.1 on (a)</b>				<b>60.86</b>	
		<b>c) Contractor's profit @ 0.1 on (a+b)</b>				<b>66.94</b>	
		cost for 100 t km = a+b+c				736.38	
		<b>Rate per t.km = (a+b+c)/100</b>				7.36	
					<b>say</b>	<b>Rs.7.40</b>	
1.4	(ii)	<b>Unsurfaced Graveled Road</b>					
		Speed with load: 20 km / hour					
		Speed for empty return trip :30 km / hour					
		<b>a) Machinery</b>					
		<b>Tipper 10 tonnes capacity</b>					
		Time taken for onward haulage with load	hour	0.500	882.00	441.00	
		Time taken for empty return trip	hour	0.330	882.00	291.06	
		<b>b) Overhead charges @ 0.1 on (a)</b>				<b>73.21</b>	
		<b>c) Contractor's profit @ 0.1 on (a+b)</b>				<b>80.53</b>	
		Cost for 100 t .km = a+b+c				885.79	
		Rate per t.Km = (a+b+c)/100				8.86	
					<b>say</b>	<b>Rs.8.90</b>	
1.4	(iii)	<b>Katcha Track and Track in River Bed/Nallah Bed and Choe Bed.</b>					
		Speed with load :10 km / hour					

	Speed while returning empty:15 km / hour					
	<b>a) Machinery</b>					
	<b>Tipper 10 tonnes capacity</b>					
	Time taken for onward haulage	hour	1.000	882.00	882.00	
	Time taken for empty return trip	hour	0.670	882.00	590.94	
	<b>b) Overhead charges @ 0.1 on (a)</b>				<b>147.29</b>	
	<b>c) Contractor's profit @ 0.1 on (a+b)</b>				<b>162.02</b>	
	Cost for 100 t .km = a+b+c				1782.26	
	<b>Rate per t.Km = (a+b+c)/100</b>				17.82	
				<b>say</b>	<b>Rs.17.80</b>	

### 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		<b>Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kanker/Moorum.</b>	cum				
		Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip					
		<b>Unit = cum</b>					
		<b>Taking output = 2.25 cum</b>					
		<b>Time required for</b>					
		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			
		<b>a) Labour</b>					
		Mate	day	0.030	198.00	5.94	L-12
		Mazdoor for loading and unloading	day	0.720	184.00	132.48	L-13
		<b>Total</b>		<b>6 Min</b>			
		<b>a) Machinery</b>					
		Tractor 3.6 tonnes tonnes capacity	hour	0.100	440.00	44.00	<b>P &amp;M 048</b>
		Front end-loader 1 cum bucket capacity @ 25 cum/hour	hour	0.083	1199.0	99.52	<b>P &amp;M 017</b>
		<b>c) Overhead charges @ 0.1 on (a+b)</b>				<b>28.19</b>	
		<b>d) Contractor's profit @ 0.1 on (a+b+c)</b>				<b>31.01</b>	
		Cost for 2.25 cum = a+b+c+d				341.14	
		<b>Rate per cum = (a+b+c+d)/2.25</b>				151.62	
					<b>say</b>	<b>Rs.152.00</b>	
		<b>Note</b>					
		<b>Unloading will be by tipping.</b>					
1.2		<b>Loading and Unloading of Boulders by Manual Means</b>					
		<b>Unit = cum</b>					
		<b>Taking output =2.25cum</b>					
		<b>a) Labour</b>					
		Mate	day	0.050	198.00	9.90	L-12
		Mazdoor for loading and unloading	day	0.310	184.00	57.04	L-13
		<b>b) Machinery</b>					
		Tipper 3.6 tonne capacity	hour	0.310	440.00	136.40	
		<b>c) Overhead charges @ 0.1 on (a+b)</b>				<b>20.33</b>	
		<b>d) Contractor's profit @ 0.1 on (a+b+c)</b>				<b>22.37</b>	
		Cost for 2.25 cum = a+b+c+d				246.04	
		<b>Rate per cum = (a+b+c+d)/2.25</b>				109.35	

	<b>Note</b>	<b>Unloading will be by tipping.</b>			<b>say</b>	<b>Rs.109.00</b>	
1.3		<b>Loading and Unloading of Cement or Steel by Manual Means and Stacking.</b>					
		<b>Unit = tonne</b>					
		<b>Taking output = 3.6 tonnes</b>					
	<b>a)</b>	<b>Labour</b>					
		Mate	day	0.030	198.00	5.94	L-12
		Mazdoor for loading and unloading	day	0.720	184.00	132.48	L-13
	<b>b)</b>	<b>Machinery</b>					
		Tractor of 3.6 tonnes capacity	hour	0.720	440.00	316.80	
	<b>c)</b>	<b>Overhead charges @ 0.1 on (a+b)</b>				<b>45.52</b>	
	<b>d)</b>	<b>Contractor's profit @ 0.1 on (a+b+c)</b>				<b>50.07</b>	
		Cost for 10 tonnes = a+b+c+d				550.82	
		<b>Rate per tonnes = (a+b+c+d)/2.25</b>				<b>153.00</b>	
					<b>say</b>	<b>Rs.153.00</b>	
1.4		<b>Cost of Haulage Excluding Loading and Unloading</b>					
		<b>Haulage of materials by tipper excluding cost of loading, unloading and stacking.</b>					
		<b>Unit = t.km</b>					
		<b>Taking output 3.6 tonnes load and lead 10 km = 36 t.km</b>					
	<b>(i)</b>	<b>Surfaced Road</b>					
		Speed with load :15 km / hour.					
		Speed while Returning empty :25 km / hour.					
	<b>a)</b>	<b>Machinery.</b>					
		<b>Tractor 3.6 tonne capacity</b>					
		Time taken for onward haulage with load	hour	0.667	440.00	293.48	
		Time taken for empty return trip.	hour	0.400	440.00	176.00	
	<b>b)</b>	<b>Overhead charges @ 0.1 on (a)</b>				<b>46.95</b>	
	<b>c)</b>	<b>Contractor's profit @ 0.1 on (a+b)</b>				<b>51.64</b>	
		cost for 36 t km = a+b+c				568.07	
		<b>Rate per t.km = (a+b+c)/36</b>				<b>15.78</b>	
					<b>say</b>	<b>Rs.15.80</b>	
1.4	<b>(ii)</b>	<b>Unsurfaced Graveled Road</b>					
		Speed with load: 12 km / hour					
		Speed for empty return trip :20 km / hour					
	<b>a)</b>	<b>Machinery</b>					
		<b>Tractor 3.6 tonne capacity</b>					
		Time taken for onward haulage with load	hour	0.833	440.00	366.52	
		Time taken for empty return trip	hour	0.500	440.00	220.00	
	<b>b)</b>	<b>Overhead charges @ 0.1 on (a)</b>				<b>58.65</b>	
	<b>c)</b>	<b>Contractor's profit @ 0.1 on (a+b)</b>				<b>64.52</b>	
		cost for 36 t km = a+b+c				709.69	
		<b>Rate per t.km = (a+b+c)/36</b>				<b>19.71</b>	
					<b>say</b>	<b>Rs.19.70</b>	



1.4	(iii)	<b>Katcha Track and Track in River Bed/Nallah Bed and Choe Bed.</b>					
		Speed with load :10 km / hour					
		Speed while returning empty:15 km / hour					
		<b>a) Machinery</b>					
		<b>Tractor 3.6 tonne capacity</b>					
		Time taken for onward haulage	hour	1.000	440.00	440.00	
		Time taken for empty return trip	hour	0.667	440.00	293.48	
		<b>b) Overhead charges @ 0.1 on (a)</b>				<b>73.35</b>	
		<b>c) Contractor's profit @ 0.1 on (a+b)</b>				<b>80.68</b>	
		cost for 36 t km = a+b+c				887.51	
		<b>Rate per t.km = (a+b+c)/36</b>				24.65	
						<b>say</b>	<b><u>Rs.24.70</u></b>

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 स्थलो के लिए Tractor से ढुलाई का प्रावधान किया जाय ।

## **SUB HEAD: 2.0**

## **EARTH WORK**

BUILDING WORK - Contd.			
<b>2.0 Earth work</b>			
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 levelled and neatly dressed :		
2.1.1	All Kinds of soil	100sqm	2919.70
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	222.00
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	142.10
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	9.60
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	200.70
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	301.90
2.7.2	Hard rock (requiring blasting )	cum	407.80
2.7.3	Hard rock (blasting prohibited)	cum	643.10
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	205.20

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	333.70
2.9.2	Hard rock (requiring blasting)	cum	453.70
2.9.3	Hard rock (Blasting Prohibited)	cum	664.30
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	128.30
2.10.1.2	Pipes, cables etc. exceeding 80 mm dia . But not exceeding 300mm dia.	m	209.60
2.10.1.3	Pipes , cables etc. exceeding 300m dia.	m	327.20
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	337.10
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	189.30
2.13.1.2	Pipes, cables etc exceeding 80 mm dia but not exceeding 300 mm dia	m length of pipe	468.80
2.13.1.3	Pipes, cables etc exceeding 300 mm dia	m length of pipe	539.60
2.13.2	Hard rock (requiring blasting)		
2.13.2.1	Pipes, cables etc. not exceeding 80 mm dia.	m length of pipe	248.30

Code No.	Description	Unit	Rate Rs.
2.13.2.2	Pipes, cablets etc. exceeding 80 mm dia, but not exceeding 300 mm dia.	m length of pipe	614.70
2.13.2.3	Pipes, cables tec. Exceeding 300 mm dia.	m length of pipe	707.50
2.13.3	Hard rock (blasting prohibited)		
2.13.3.1	Pipe, cables etc. not exceeding 80 mm dia.	m length of pipe	345.60
2.13.3.2	Pipes, cables etc. exceeding 80 mm dia. But not exceeding 300 mm dia.	m length of pipe	855.70
2.13.3.3	Pipes, cables etc. exceeding 300 mm dia.	m length of pipe	985.00
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	102.40
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	253.40
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	111.40
2.16.2	Depth exceeding 1.5 m but not exceeding 3 m.	sqm	114.30
2.16.3	Depth exceeding 3m but not exceeding 4.5 m	sqm	121.60
2.17	Close timbering in case of shafts, wells, cesspits, mannoies 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	113.70
2.17.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	121.30
2.17.3	Depth exceeding 3 m but not exceeding 4.5 m	sqm	129.10
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	98.60
2.18.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	102.60
2.18.3	Depth exceeding 3 m but not exceeding 4.5 m.	sqm	107.10
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	1496.90
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	57.50
2.20.2	Depth exceeding 1.5 m but not exceeding 3 m	sqm	59.70

Code No.	Description	Unit	Rate Rs.
	2.20.3 Depth exceeding 3 m but not exceeding 4. m.	sqm	63.30
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	48.50
	2.21.2 Depth exceeding 1.5 m but not exceeding 3 m	sqm	51.90
	2.21.3 Depth exceeding 3 m but not exceeding 4.5 m	sqm	56.40
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	33.20
	2.22.2 Depth exceeding 1.5 m but not exceeding 3 m	sqm	35.70
	2.22.3 Depth exceeding 3 m but not exceeding 4.5 m	sqm	39.70
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	771.10
2.25	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	Kl	61.70
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	66.40
2.27	Extra for every additional lift of 1.5 m or part thereof in :		
	2.27.1 All kinds of soil.	cum	26.10
	2.27.2 Ordinary or hard rock	cum	46.80
2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	cum	192.50
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	718.80
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	713.80
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	62.60

Code No.	Description		Unit	Rate Rs.
	2.31.3	Ordinary rock	hole	101.50
	2.31.4	Hard rock(requiring blasting)	hole	136.50
	2.31.5	Hard rock (blasting prohibited)	hole	199.70
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	369.70
2.33	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.		100sqm	190.30
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	115.80
	2.34.2	Beyond 60 cm girth upto and including 120 cm girth	tree	506.10
	2.34.3	Beyond 120 cm girth upto and including 240 cm girth	tree	2324.70
	2.34.4	Above 240 cm girth	tree	4672.50
2.35	Supplying chemical emulsion in sealed containers including delivery as specified.			
	2.35.1	Chlorpyriphos/Lindone emulsifiable concentrate of 20%	litre	201.60
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	39.00

Code No.	Description	Unit	Rate Rs.
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	183.00
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	45.90
2.37.5	Treatment at points of contact of 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	228.30
2.38	<b>Deduct for disposed soil not levelled and neatly dressed.</b>	cum	20.10
2.39	<b>Supply and stacking of Fly ash conforming to IRC- 58 at site, excluding carriage,loading , unloading &amp; stacking up to any lead (measured stacks will be reduced by20% for payment).</b>	cum	9.80
2.40	<b>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 &amp; 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.</b>	cum	66.40



**SUB HEAD: 3.0**

**MORTARS**

**BUILDING WORK - Contd.**

<b>3.0 Mortars</b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
2103	Lime mortar 1:1:1 (1 lime putty:1Surkhi:1 coarse sand)	cum	2233.90
2144	Lime mortar 1:1:2(1 lime putty:1 surkhi:2coarse sand)	cum	1842.80
2104	Lime mortar 1:2(1 lime putty:2 surkhi)	cum	2937.90
2145	Lime mortar 1:3(1 lime putty:3 surkhi)	cum	2898.10
2146	Lime mortar 1:3(1 lime putty :3 coarse sand)	cum	1315.20
<b>2110</b>	<b>Cement Mortar 1:1 (1 cement : 1 fine sand).</b>	cum	<b>5588.10</b>
2111	Cement mortar 1:2 (1 cement :2 coarse sand )	cum	3932.40
2112	Cement mortar 1:3(1 cement:3 coarse sand)	cum	3104.80
2113	Cement mortar 1:4(1 cement:4 coarse sand)	cum	2446.70
2114	Cement mortar1:5(1 cement:5 coarse sand)	cum	2092.40
2115	Cement mortar 1:6(1 cement:6 coarse sand)	cum	1788.60
2128	White cement mortar 1:2 (1 White cement :2 marble dust)	cum	11682.30
2128A	Cement mortar 1:2 (1 cement : 2 marble dust).	cum	4802.90
2125	Cement lime mortar 1:1:3(1 cement :1 lime putty:3 coarse sand)	cum	3204.50
2126	Cement lime mortar 1:1:6 (1 cement:1 lime putty:6 coarse sand)	cum	2236.00

**SUB HEAD: 4.0**  
**CONCRETE WORK**

BUILDING WORK - Contd.			
<b>4.0 Concrete work</b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
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)	<b>cum</b>	<b>4964.40</b>
4.1.2	1:1.5:3(1 Cement :1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	<b>cum</b>	<b>3741.30</b>
4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	<b>cum</b>	<b>3323.10</b>
4.1.4	1:2:4 (1 Cement: 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	<b>cum</b>	<b>3219.70</b>
4.1.5	1:3:6 (1 Cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	<b>cum</b>	<b>2775.70</b>
4.1.6	1:3:6 (1 Cement; 3 coarse sand :6 graded stone aggregate 40 mm nominal size)	<b>cum</b>	<b>2640.90</b>
4.1.8	1.4.8 (1 Cement :4 coarse sand :8 graded stone agregate 40 mm nominal size)	<b>cum</b>	<b>2346.90</b>
4.1.10	1:5:10(1 Cement :5 coarse sand:10 graded stone aggregate 40 mm nominal size)	<b>cum</b>	<b>2111.70</b>
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)	<b>cum</b>	<b>5662.50</b>
4.2.2	1:1.5:3(1 Cement: 1:5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	<b>cum</b>	<b>4434.10</b>
4.2.3	1:2:4 (1 Cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size)	<b>cum</b>	<b>3991.90</b>
4.2.4	1:2:4(1 Cement :2 coarse sand :4 graded stone aggregate 40 mm nominal size)	<b>cum</b>	<b>3888.50</b>
4.2.5	1:3:6 (1 Cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size)	<b>cum</b>	<b>3444.50</b>
4.2.6	1:3:6 (1 Cement :3 coarse sand:6 graded stone aggregate 40 mm nominal size)	<b>cum</b>	<b>3309.60</b>
4.3	Centring and shuttering including strutting,propping etc. and removal or form work for		
4.3.1	Foundations,footings, bases Columns	<b>sqm</b>	<b>166.30</b>

Code No.	Description	Unit	Rate Rs.
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
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	3323.10
4.4.2	1:3:6 (1 Cement:3 coarse sand:6 graded stone aggregate 20 mm nominal size)	cum	2775.70
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	4940.70
4.5.2	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	cum	4455.00
4.5.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	cum	3819.20
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	2999.80
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	5045.20
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	4629.50

<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
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)	<b>sqm</b>	<b>218.10</b>
4.12	Extra for providing and mixing water proofing material in cement concrete work in the proportion recommended by the manufacturers.	<b>per 50 kg cement</b>	<b>48.07</b>
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.	<b>sqm</b>	<b>107.00</b>
4.14	Extra for concrete work in superstructure above floor V level for each four floors of part thereof.	<b>cum</b>	<b>341.40</b>
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.)	<b>cum per m depth</b>	<b>263.20</b>
4.16	Extra for laying concrete in or under foul positions.	<b>cum</b>	<b>99.20</b>
<b>4.17</b>	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.	<b>sqm</b>	<b>319.30</b>
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)	<b>cum</b>	<b>50.00</b>

**SUB HEAD: 5.0**

**REINFORCED CEMENT CONCRETE**

<b>BUILDING WORK - Contd.</b>			
<b><u>5-0 Reinforced cement concrete</u></b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>5.1</b>	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		
<b>5.1.1</b>	1:1:2 (1 cement:1 coarse sand:2 graded stone aggregate 20mm nominal size)	<b>cum</b>	<b>5110.70</b>
<b>5.1.2</b>	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	<b>cum</b>	<b>3881.20</b>
<b>5.1.3</b>	1:2:4 (1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size)	<b>cum</b>	<b>3438.90</b>
<b>5.2</b>	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.		
<b>5.2.1</b>	1:1:2 (1 cement: 1 coarse sand: 2 graded stone aggregate 20 mm nominal size)	<b>cum</b>	<b>5666.20</b>
<b>5.2.2</b>	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	<b>cum</b>	<b>4436.60</b>
<b>5.2.3</b>	1:2:4(1 cement :2 coarse sand:4 graded stone aggregate 20 mm nominal size)	<b>cum</b>	<b>3994.40</b>
<b>5.3</b>	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).	<b>cum</b>	<b>4052.00</b>
<b>5.4</b>	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).	<b>cum</b>	<b>3852.20</b>
<b>5.5</b>	Reinforced cement concrete work in arches, arches, 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)	<b>cum</b>	<b>4212.70</b>
<b>5.6</b>	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)	<b>cum</b>	<b>4053.50</b>



<b>BUILDING WORK - Contd.</b>			
<b><u>5-0 Rainforced cement concrete</u></b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>5.7</b>	Reinforced cement concrete work in well-steining excluding the cost of centrin,shuttering, finishing and reinforcement with 1:2:4 (1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size)	<b>cum</b>	<b>3341.30</b>
<b>5.8</b>	Reinforced cement concrete work in Vertical and Horizontal fins individually or forming box louvers, facias and eaves boards upto floor five level ecluding the cost of centring, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement:1.5coarse sand: 3graded stone aggregate 20mm nominal size)	<b>cum</b>	<b>4206.10</b>
<b>5.9</b>	Centring and shuttering including strutting,propping etc. and removal of form for.		
<b>5.9.1</b>	Foundations, footings, bases of columns etc. for mass concrete.	<b>sqm</b>	<b>166.70</b>
<b>5.9.2</b>	Walls (any thickness) including attached pilasters. Butteresses, plinth and string courses etc.	<b>sqm</b>	<b>248.10</b>
<b>5.9.3</b>	Suspended floors, roots, landings, balcnies and access platform.	<b>sqm</b>	<b>275.60</b>
<b>5.9.4</b>	Shelves (Cost in situ)	<b>sqm</b>	<b>275.50</b>
<b>5.9.5</b>	Lintels, beams, plinth bams, griders, bressumers and contilevers.	<b>sqm</b>	<b>251.30</b>
<b>5.9.6</b>	Columns,Pillars, Piers, Abutments, Posts and Struts	<b>sqm</b>	<b>344.40</b>
<b>5.9.7</b>	Stairs,(excluding landings) except spiral-staircaces.	<b>sqm</b>	<b>321.50</b>
<b>5.9.8</b>	Spiral staircases (including landing)	<b>sqm</b>	<b>271.70</b>
<b>.5.9.9</b>	Arches,domes,vaults upto 6m span	<b>sqm</b>	<b>793.40</b>
<b>5.9.10</b>	Extra for arches,domes, vaults exceeding 6 m span	<b>sqm</b>	<b>219.60</b>
<b>5.9.11</b>	Chimneys and shafts	<b>sqm</b>	<b>424.00</b>
<b>5.9.12</b>	Well steining	<b>sqm</b>	<b>250.40</b>
<b>5.9.13</b>	Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards	<b>sqm</b>	<b>427.20</b>
<b>5.9.14</b>	Extra for shuttering in circular work (20% of respective centring and shuttering items)	<b>sqm</b>	<b>20.20</b>
<b>5.9.15</b>	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.	<b>sqm</b>	<b>181.30</b>
<b>5.9.16</b>	Edges of slabs and breaks in floors and walis-		
<b>5.9.16.1</b>	Under 20 cms wide	<b>m</b>	<b>80.90</b>
<b>5.9.16.2</b>	Above 20cm wide	<b>sqm</b>	<b>385.90</b>
<b>5.9.17</b>	Cornices and mouldings	<b>sqm</b>	<b>441.40</b>
<b>5.9.18</b>	Small surfaces such as cantilever ends,brackets and ends of steps, caps and bases to pilasters and columns and the like	<b>sqm</b>	<b>369.40</b>

<b>BUILDING WORK - Contd.</b>			
<b><u>5-0 Rainforced cement concrete</u></b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
5.9.19	Weather shade, Chajjas, corbels etc. including edges	<b>sqm</b>	<b>385.80</b>
5.9.20	Suspended floors, roofs, landings, balconies and access platform with water proofply 12 mm thick.	<b>sqm</b>	<b>379.40</b>
5.9.21	Lintels, beams, plinth beams, girders, bressumers and cantilevers with water proof ply 12 mm thick.	<b>sqm</b>	<b>358.00</b>
<b>5.10</b>	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	<b>sets</b>	<b>152.10</b>
5.10.2	12 mm dia & 150 mm length	<b>sets</b>	<b>164.70</b>
5.10.3	20 mm dia & 150mm length	<b>sets</b>	<b>156.00</b>
5.10.4	20 mm dia & 225 mm length	<b>sets</b>	<b>173.60</b>
<b>5.11</b>	Extra for additional height in centring, shuttering where ever required with adequate bracing, propping etc. including cost of de-shutering 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)	<b>sqm</b>	<b>105.50</b>
<b>5.12</b>	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).	<b>cum</b>	<b>4556.20</b>
<b>5.13</b>	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).	<b>cum</b>	<b>6000.30</b>
<b>5.14</b>	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).	<b>cum</b>	<b>6665.60</b>
<b>5.15</b>	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).	<b>cum</b>	<b>5612.70</b>

BUILDING WORK - Contd.			
<b>5-0 Rainforced cement concrete</b>			
Code No.	Description	Unit	Rate Rs.
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	8817.80
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	4670.40
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.		
5.18.1	50 mm thick	sqm	548.80
5.18.2	40 mm thick	sqm	480.30
5.18.3	25mm thick	cum	442.50
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	5951.10
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	402.00
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	70.40
5.22.1A	Mild steel 5.5 mm dia	kg	70.60
5.22.1B	Mild steel 6.0 mm dia	kg	70.40
5.22.1C	Mild steel 6.5 mm dia	kg	70.20
5.22.1D	Mild steel 7.0 mm dia	kg	70.00
5.22.1E	Mild steel 8.0 mm dia	kg	69.80
5.22.1F	Mild steel 10.0 mm dia	kg	70.60
5.22.1G	Mild steel 12.0/12.7 mm dia	kg	70.60
5.22.7	Thermo-Mechanically Treated bars (FE-500) 20mm dia.	kg	72.20
5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	kg	74.40
5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	73.10

<b>BUILDING WORK - Contd.</b>			
<b><u>5-0 Rainforced cement concrete</u></b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
	<b>5.22.7C</b> Thermo-Mechanically Treated bars TMTC-500-12mm dia.	<b>kg</b>	<b>71.80</b>
	<b>5.22.7D</b> Thermo-Mechanically Treated bars TMT Fe-500-16mm dia.	<b>kg</b>	<b>72.80</b>
	<b>5.22.7E</b> Thermo-Mechanically Treated bars TMT Fe-500-20mm dia.	<b>kg</b>	<b>72.20</b>
	<b>5.22.7F</b> Thermo-Mechanically Treated bars TMT Fe-500-25mm dia.	<b>kg</b>	<b>72.20</b>
	<b>5.22.7G</b> Thermo-Mechanically Treated bars TMT Fe-500-28mm dia.	<b>kg</b>	<b>72.20</b>
	<b>5.22.7H</b> Thermo-Mechanically Treated bars TMT Fe-500-32mm dia.	<b>kg</b>	<b>72.20</b>
<b>5.23</b>	Extra for RCC work in superstructure above floor V level for each four floors or part thereof.	<b>cum</b>	<b>341.40</b>
<b>5.24</b>	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.	<b>sqm</b>	<b>57.80</b>
<b>5.25</b>	Providing and fixing in position copper plate as per design for expansion joints.	<b>kg</b>	<b>347.50</b>
<b>5.26</b>	Providing and filling in position, blown bitumen in expansion joints.	<b>100m(Length)x 1cm(Wide)x1cm (Depth)</b>	<b>557.30</b>
<b>5.27</b>	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,	<b>100m(Length)x 1cm(Wide)x1cm (Depth)</b>	<b>174.25</b>
<b>5.28</b>	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.	<b>100m(Length)x 1cm(Depth)</b>	<b>457.30</b>
<b>5.29</b>	Providing and fixing sheet covering over expansion joints with iron screws as per design to match the colour/shade of wall treatment,		
	<b>5.29.1</b> Asbestos sheet 6 mm thick		
	<b>5.29.1.1</b> 150 mm wide	<b>m</b>	<b>100.20</b>
	<b>5.29.1.2</b> 200mm wide	<b>m</b>	<b>134.40</b>
	<b>5.29.2</b> Aluminium fluted strips 3.15 mm thick		
	<b>5.29.2.1</b> 150 mm wide.	<b>m</b>	<b>327.90</b>
	<b>5.29.2.2</b> 200 mm wide	<b>m</b>	<b>459.70</b>
<b>5.30</b>	Add for plaster drip course/groove in plastered surface or moulding to R.C.C. projections.	<b>m</b>	<b>18.80</b>

<b>BUILDING WORK - Contd.</b>			
<b><u>5-0 Rainforced cement concrete</u></b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>5.31</b>	Extra for laying reinforced cement concrete in or under water and/or liquid mud including cost or pumping or bailing out water and removing slush etc. complete.(Rate same as per item No, 4.29) <b>Note</b> 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.	<b>cum</b>	<b>263.20</b>
<b>5.32</b>	Extra for laying reinforced cement concrete in or under foul positions.	<b>cum</b>	<b>99.20</b>
<b>5.33A</b>	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 grde reinforcd cement concrete		
<b>5.33A.1</b>	All work upto plinth level	<b>cum</b>	<b>3910.80</b>
<b>5.33A.2</b>	All works above plinth level upto floor V level		
<b>5.33A.2.1</b>	Walls columns, pillars, posts cind struts	<b>cum</b>	<b>4201.30</b>
<b>5.33A.2.2</b>	Beams, planth beams, girders, bressumers, contilevers, Suspended floors lintels roofs and staircases including spiral staircases, shelves etc.	<b>cum</b>	<b>4403.10</b>
<b>5.33A.3</b>	Extra for R.C.C work above floor V level for each four floors or part thereof.	<b>cum</b>	<b>341.40</b>
<b>5.33B</b>	Add or deduct for providing richer or leaner mixes respectively at all floor levels.		
<b>5.33B.1</b>	Proiding M-25 grade R.C.C. instead of M-20 grade R.C.C.	<b>cum</b>	<b>158.80</b>
<b>5.33B.2</b>	Providing M-30 grade R.C.C. instead of M-20 grade R.C.C.	<b>cum</b>	<b>217.60</b>
<b>5.33B.3</b>	Providing M-35 grade R.C.C. instead of M-20 grade R.C.C.	<b>cum</b>	<b>264.59</b>
<b>5.33B.4</b>	Providing M-15grade R.C.C instead of M-20 grade R.C.C.	<b>cum</b>	<b>370.40</b>

<b>BUILDING WORK - Contd.</b>			
<b><u>5-0 Rainforced cement concrete</u></b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
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	<b>cum</b>	<b>4066.60</b>
5.33 .2:	All work above Plinth level upto floor V Level.	<b>cum</b>	<b>4494.50</b>
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 /m3 of Cement per cum of concrete instead of M-25 grade B.M.C./RMC	<b>cum</b>	<b>63.6</b>
5.34.2	Providing M-35 grade concrete by using 350kg /m3 of Cement per cum of concrete instead of M-25 grade B.M.C./RMC	<b>cum</b>	<b>127.30</b>
5.34.3	Providing M-40 grade concrete by using 360kg /m3 of Cement per cum of concrete instead of M-25 grade B.M.C./RMC	<b>cum</b>	<b>187.60</b>
5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.	<b>quintel</b>	<b>588</b>
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	<b>cum</b>	<b>4455.2</b>
5.37.2	All works above Plinth level up to floor five level.	<b>cum</b>	<b>5194.60</b>
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.	<b>cum</b>	<b>176.00</b>
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.	<b>sqm</b>	<b>82.40</b>
5.41.2	Pigmented wet curing compound.		<b>97.50</b>

<b>BUILDING WORK - Contd.</b>			
<b><u>5-0 Reinforced cement concrete</u></b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
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.	<b>each</b> <b>130.40</b>
	5.42.2/5.51.2	Coupler for 20 mm diameter reinforcement bar.	<b>each</b> <b>177.20</b>
	5.42.3/ 5.51.3	Coupler for 25 mm diameter reinforcement bar.	<b>each</b> <b>245.50</b>
	5.42.4/ 5.51.4	Coupler for 28 mm diameter reinforcement bar.	<b>each</b> <b>338.70</b>
	5.42.5/ 5.51.5	Coupler for 32 mm diameter reinforcement bar.	<b>each</b> <b>393.50</b>
<b>5.43</b>	Providing and fixing in position Stainless steel Grade 304 plate-1.0 mm		
	5.43.1/ 5.52.1	200 mm wide.	<b>metre</b> <b>596.10</b>
	5.43.2/ 5.52.2	300 mm wide.	<b>metre</b> <b>873.10</b>
<b>5.44</b>	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 localtion 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		
	5.44.1	Floor Joint of 100 mm gap.	<b>metre</b> <b>6813.00</b>
	5.44.2	Floor Joint of 150 mm gap.	<b>metre</b> <b>7489.90</b>
	5.44.3	Floor Joint of 200 mm gap.	<b>metre</b> <b>8040.80</b>

<b>BUILDING WORK - Contd.</b>			
<b><u>5-0 Rainforced cement concrete</u></b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>5.45</b>	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.	<b>metre</b>	<b>5427.70</b>
	5.45.2 Wall Joint of 150 mm gap.	<b>metre</b>	<b>5852.70</b>
	5.45.3 Wall Joint of 200 mm gap.	<b>metre</b>	<b>6277.80</b>
<b>5.46</b>	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 asper 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 resists 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.	<b>metre</b>	<b>6425.00</b>
	5.46.2 Roof Joint of 150 mm gap.	<b>metre</b>	<b>7238.00</b>
	5.46.3 Roof Joint of 200 mm gap.	<b>metre</b>	<b>7537.10</b>



<b>BUILDING WORK - Contd.</b>			
<b><u>5-0 Rainforced cement concrete</u></b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>5.47</b>	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 accomodating 6 mm dia fully threaded bolts for fixing hold fast on vertical members, providing suitable arrangement for recieving 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.		
	5.47.1 Door frame 125 mm x 60 mm.	<b>metre</b>	<b>407.70</b>
	5.47.2 Door frame 100 mm x 60 mm.	<b>metre</b>	<b>379.90</b>
	5.47.3 Door frame 85 mm x 60 mm.	<b>metre</b>	<b>365.60</b>
<b>5.48</b>	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.		
	<b>5.48.1</b> Reinforced Cement Concrete M50.	<b>cum</b>	<b>5493.4</b>
	<b>5.48.2</b> Reinforced Cement Concrete M60.	<b>cum</b>	<b>6496.7</b>
	<b>5.48.3</b> Extra for using M50/M60 grade self-compacting Reinforced Cement Concrete.	<b>cum</b>	<b>638.4</b>

<b>BUILDING WORK - Contd.</b>			
<b><u>5-0 Reinforced cement concrete</u></b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>5.49</b>	Constructing cast-in situ RCC diaphragm wall by providing and laying machine batched, machine mixed, self compacting, ready mix reinforced cement concrete, trامية 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 &		
	5.49.1 Excess/less cement used for design mix including the extra cement required for under water concreting is payable / recoverable separately.	<b>cum</b>	<b>13292.8</b>

**SUB HEAD: 6.0**

**BRICK WORK (A, B, C, D)**

**BUILDING WORK - Contd.**

**6.0 Brick work(A)**

<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>6.1A</b>	Brick work with bricks of class designation 100A in foundations and plinth in :		
<b>6.1.12/1</b>	Cement mortar 1 :4 (1 cement: 4 coarse sand )	<b>cum</b>	<b>4184.00</b>
<b>6.1.14A</b>	Cement mortar 1:6 (1 cement: 6 coarse sand )	<b>cum</b>	<b>3992.90</b>
<b>6.3A</b>	Extra for Brick work in superstructure above plinth level upto floor V cum	<b>cum</b>	<b>434.60</b>
<b>6.4A</b>	Extra for brick work in superstructure above floor V level for each four floors or part thereof.	<b>cum</b>	<b>341.40</b>
<b>6.11A</b>	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 bitumansttc coted m.s. toles 300mmlong of 25mmx3mmsection at not less than 3 tiles per sqm as per approved design.	<b>sqm</b>	<b>70.50</b>
<b>6.12A</b>	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 bitumen felt type 3 grade 1 .	<b>m</b>	<b>146.00</b>
<b>6.13A</b>	Brick work 7cm thick with brick of class designation 100A cement mortar 1:3 (1 cement: 3 coarse sand) in super structure	<b>sqm</b>	<b>376.80</b>
<b>6.15A</b>	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 <b>1:3</b> (1 cement:3 coarse sand )	<b>cum</b>	<b>6462.10</b>
<b>6.16A</b>	Brick work in gauged arches in superstructure in cement mortar 1:3 (1 cement:3 coarse sand) including centring and shutierring complete. Span upto 6 metres with	<b>cum</b>	<b>7539.80</b>
<b>6.17A</b>	Extra for additionalcost of centring for arches exceeding 6 mspan including all shuttering , Bolting , wedging and removal(Area of the soffit to be measured ).	<b>sqm</b>	<b>223.60</b>
<b>6.18A</b>	Half brick masonry with bricks of class designation 100A in foundations and plinth in :		
<b>6.18.3A</b>	Cement mortar 1:3 (1 cement: 3 coarse sand)	<b>sqm</b>	<b>512.20</b>
<b>6.18.4A</b>	Cement mortar 1:4 (1 cement: 4 coarse send)	<b>sqm</b>	<b>490.80</b>
<b>6.19A</b>	Extra for half Brick masonry in superstructure above pinth level upto floor V level.	<b>sqm</b>	<b>47.50</b>
<b>6.20A</b>	Extra for half brick masonry in superstructure. Above floor V level for every four floors or part there of	<b>sqm</b>	<b>39.00</b>
<b>6.21A</b>	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)	<b>sqm</b>	<b>75.90</b>
<b>6.23A</b>	Tile brick masonry with tile bricks of class desgnation 100 in foundation and plinth in :		
<b>6.23.7A</b>	Cement mortar 1:4 (1 cement :4 coarse sand)	<b>cum</b>	<b>7425.50</b>

<b>6.23.8A</b>	Cement mortar 1:6 (1 cement :6 coarse sand)	<b>cum</b>	<b>7119.80</b>
<b>6.24A</b>	Extra for tile bricks masonry with tile bricks of class designation 100A in superstructure from plinth level upto floor five level.	<b>cum</b>	<b>455.30</b>
<b>6.25A</b>	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,	<b>cum</b>	<b>341.40</b>
<b>6.29A</b>	Tile brick masonry with bricks of class designation 100 in plain arch work superstructure in cement mortar 1:4 (1 cement: 4 coarse sand)	<b>cum</b>	<b>9497.30</b>
<b>6.30A</b>	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.	<b>cum</b>	<b>10473.70</b>
<b>6.31A</b>	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 .	<b>sqm</b>	<b>424.50</b>
<b>6.32 A</b>	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 )	<b>sqm</b>	<b>318.60</b>
<b>6.39A</b>	Extra for brick work in under water mud or liquid mud including cost of pumping or bailing out water - slush etc	<b>cum</b>	<b>263.20</b>
<b>6.41A</b>	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 mortar 1:6(1 cement: 6 coarse sand)	<b>cum</b>	<b>4038.20</b>
<b>6.45A</b>	Extra for exposed brick work in superstructure above plinth level and upto floor level. $0.75 \times 1.5 = 1.13$	<b>cum</b>	<b>559.10</b>
<b>6.47A</b>	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 direction of E/I,	<b>Per m</b>	<b>873.50</b>
<b>6.48A</b>	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 direction of E/I,	<b>Per m</b>	<b>463.00</b>

<b>6.0 Brick work(B)</b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>6.1B</b>	Brick work with bricks of class designation 100B in foundations and plinth in :		
<b>6.1.12B</b>	Cement mortar 1.:4 (1 cement: 4 coarse sand )	<b>cum</b>	<b>3933.00</b>
<b>6.1.14B</b>	Cement mortar 1:6 (1 cement: 6 coarse sand )	<b>cum</b>	<b>3741.90</b>

<b>6.0 Brick work(B)</b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>6.3B</b>	Extra for Brick work in superstructure above plinth level upto floor V cum	<b>cum</b>	<b>434.60</b>
<b>6.4B</b>	Extra for brick work in superstructure above floor V level for each four floors or part thereof.	<b>cum</b>	<b>341.40</b>
<b>6.11B</b>	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 bitumastic coted m.s. toles 300mm long of 25mm x 3mm section at not less than 3 tiles per sqm as per approved design.	<b>sqm</b>	<b>70.50</b>
<b>6.12B</b>	Providing half brick masonry with bricks of class designation 100B in cement mortar 1:3 (1 cement: 3 coarse sand ) in superstructure for closing cavity 5 to 7.5 cm wide bitumen felt type 3 grade 1 .	<b>m</b>	<b>146.00</b>
<b>6.13B</b>	Brick work 7cm thick with brick of class designation 100B cement mortar 1:3 (1 cement: 3 coarse sand) in super structure	<b>sqm</b>	<b>357.70</b>
<b>6.15B</b>	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 )	<b>cum</b>	<b>6211.00</b>
<b>6.16B</b>	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	<b>cum</b>	<b>7266.30</b>
<b>6.17B</b>	Extra for additional cost of centring for arches exceeding 6 mspan ' including all shuttering . Bolting , wedging and removal (Area of the soffit to be measured ) .	<b>sqm</b>	<b>223.70</b>
<b>6.18B</b>	Half brick masonry with bricks of class designation 100B in foundations and plinth in :		
<b>6.18.3B</b>	Cement mortar 1:3 (1 cement: 3 coarse sand )	<b>sqm</b>	<b>483.50</b>
<b>6.18.4B</b>	Cement mortar 1:4(1 cement: 4 coarse sand )	<b>sqm</b>	<b>462.10</b>
<b>6.19B</b>	Extra for half Brick masonry in superstructure above pinth level upto floor V level.	<b>sqm</b>	<b>47.50</b>
<b>6.20B</b>	Extra for half brick masonry in supersrructure. Above floor V level for every four floors or part there of	<b>sqm</b>	<b>39.00</b>
<b>6.21B</b>	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)	<b>sqm</b>	<b>75.90</b>
<b>6.23B</b>	Tile brick masonry with tile bricks of class designation 100 in foundation and plinth in :		
<b>6.23.7B</b>	Cement mortar 1:4 (1 cement :4 coarse sand)	<b>cum</b>	<b>7425.50</b>
<b>6.23.8B</b>	Cement mortar 1.6 (1 cement :6 coarse sand)	<b>cum</b>	<b>7119.80</b>
<b>6.24B</b>	Extra for tile bricks masonry with tile bricks of class designation 100B in superstructure fromplinth feve! upto floor five level.	<b>cum</b>	<b>455.30</b>
<b>6.25B</b>	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.	<b>cum</b>	<b>341.40</b>

<b><u>6.0 Brick work(B)</u></b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>6.29B</b>	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.	<b>cum</b>	<b>9514.90</b>
<b>6.30B</b>	Tie brick masonry with tile bricks of class designation 100B in gauded arch work in superstructure in cement mortar 1:4 ( 1 cement: 4 coarse sand ) including centring and shuttering complete.	<b>cum</b>	<b>10491.20</b>
<b>6.31B</b>	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 ,	<b>sqm</b>	<b>420.30</b>
<b>6.32B</b>	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 )	<b>sqm</b>	<b>318.60</b>
<b>6.39B</b>	Extra for brick work in or under water mud or liquid mud including cost of pumping or bailing out water — slush etc	<b>cum</b>	<b>263.20</b>
<b>6.41 B</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)	<b>cum</b>	<b>3787.20</b>
<b>6.45B</b>	Extra for exposed brick work in superstructure above plinth level and upto floor level. $0.75 \times 1.5 = 1.13$	<b>cum</b>	<b>559.10</b>
<b><u>6.0 FLY ASH Brick work(C)</u></b>			
<b>6.1C</b>	<b>Brick work with fly ash bricks as per IS 12894(2002) &amp; IS 3495 in foundations and plinth in :</b>		
<b>6.1.12C</b>	Cement mortar 1.:4 (1 cement: 4 coarse sand )	<b>cum</b>	<b>4802.10</b>
<b>6.1.14C</b>	Cement mortar 1:6 (1 cement: 6 coarse sand )	<b>cum</b>	<b>4611.00</b>
<b>6.3C</b>	Extra for Brick work in superstructure above plinth level upto floor V cum	<b>cum</b>	<b>434.60</b>
<b>6.4C</b>	Extra for brick work in superstructure above floor V level for each four floors or part thereof.	<b>cum</b>	<b>341.40</b>
<b><u>6.0 Brick work with lime mortar(D)</u></b>			
<b>6.1D</b>	<b>Brick work with bricks of class designation 100A in foundations and plinth in :</b>		
<b>6.1.12D</b>	Lime mortar (1:1:1) (1 limeputty: 1shukhi:1coarse sand )	<b>cum</b>	<b>4207.30</b>
<b>6.1.14D</b>	lime mortar mortar 1:1:2(1 limeputty: 1 surkhi:2 coarse sand ) Details of cost for 1 cum	<b>cum</b>	<b>4078.90</b>

**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	42.20
A7.2	Dressing of sand stone for moulded work	10cudm	87.50
A7.3	Dressing of sand stone for ashlar puncheol ordinary work	10cudm	35.77
A7.4	Dressing of sand stone m arch dome's or circular moulded work	10cudm	106.00
A7.5	Dressing of sand stone for ashlar moulded and curvved colonic	10cudm	144.30
A7.6	Dressing of sand stone-----	sqm	416.40
A7.7	Fixing charges for stone work including pointing	10cudm	36.10
A7.8	Fixing charges for stone in veneer work .	sqm	432.70
7.1	Random rubble masonry with hard stone in fourdation 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	2408.20
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	474.00
7.3	Extra for random rubble masonry with hard stone in superstructure above floor V levei for every four floors or part therof .	cum	431.70
7.4	Extra for random rubble masonry with hard stone in .		
7.4.1	Square or rectangular pillars	cum	213.20
7.4.2	Circular pillars	cum	706.80
7.5	Extra for random rubble masonry with hard stone curved on plan for ad mean radius not exceeding 6 m .	cum	279.40
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	2812.30
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	2621.10
7.8	Extra for coursed rubble masonry with hard stone (first or second sort) in superstructue above plinth level and upto floor five level .	cum	504.80
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	431.70

## BUILDING WORK - Contd.

**7.0 Stone work**

Code No.	Description	Unit	Rate Rs.
7.10	Extra for coursed rubble masonry with hard stone (first or second sort) in :		
7.10.1	Square or rectangular pillars	cum	236.70
7.10.2	Circular pillars	cum	798.60
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	303.90
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	20438.80
7.12.2	White sand stone	cum	20937.40
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	21567.70
7.13.2	White sand stone	cum	22707.70
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	30969.50
7.14.2	White sand stone	cum	31763.10
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	19462.00
7.15.2	White sand stone	cum	21596.10
7.16	Extra for stone work , plain ashlar or ashlar punched above floor V for every four floors or part thereof.	cum	431.20
7.17	Extra for plain ashlar or ashlar punched in :		
7.17.1	Square or rectangular pillars	cum	735.60
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	223.60

BUILDING WORK - Contd.

**7.0 Stone work**

Code No.	Description	Unit	Rate Rs.
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	28318.00
7.20.2	White sand stone	cum	31721.50
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	959.50
7.21.2	Circular or polygonal pillars	cum	2718.70
7.22	Extra for stone work sunk or moulded in cornices .	metre per cm grith	13.00
7.23	Stone work (machine cut edge) for wall lining etc. (veneer 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	1779.90
7.23.1.2	60 mm thick	0.1sqm	1670.90
7.23.1.3	50 mm thick	0.1 sqm	1540.90
7.23.1.4	40 mm thick	0.1 sqm	1452.90
7.23.2	White sand stone		
7.23.2.1	70 mm thick	0.1sqm	1838.50
7.23.2.2	60 mm thick	0.1sqm	1721.10
7.23.2.3	50 mm thick	0.1sqm	1604.10
7.23.2.4	40 mm thick	0.1sqm	1486.10
7.24	Extra for stone work (veneer work ) curved on plan with a mean radius not exceeding 6 m .	cum	739.20
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	109.50
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	10.70
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	15.60

## BUILDING WORK - Contd.

**7.0 Stone work**

Code No.	Description	Unit	Rate Rs.
<b>7.29</b>	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.		
<b>7.29.1</b>	Red sand stone	<b>sqm</b>	<b>523.70</b>
<b>7.29.2</b>	White sand stone	<b>sqm</b>	<b>554.20</b>
<b>7.30</b>	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.	<b>sqm</b>	<b>637.50</b>
<b>7.31</b>	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.	<b>bracket</b>	<b>2053.80</b>
<b>7.32</b>	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 .		
<b>7.32.1</b>	Red sand stone	<b>cum</b>	<b>26038.60</b>
<b>7.32.2</b>	White sand stone	<b>cum</b>	<b>26537.20</b>
<b>7.38</b>	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.		
<b>7.38.1</b>	Red sand stone	<b>sqm</b>	<b>5427.30</b>
<b>7.38.2</b>	White sand stone	<b>sqm</b>	<b>5454.90</b>
<b>7.41</b>	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 Enginneer-in-charge.	<b>sqm</b>	<b>903.40</b>

## BUILDING WORK - Contd.

**7.0 Stone work**

<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>7.42</b>	Stone work for wall lining etc. (Veneer work ) over 12 mm thick bed of cement mortar 1:3 {1 cement: 3 coarse sand } and jointed with grey cement slurry 3.30 kg/sqm including rubbing and polishing complete. (To be secured to the backing by means of cramps of cramps which shall be paid for seperately)		
<b>7.42.1</b>	Kota stone slabs rough chiselled		
<b>7.42.1.1</b>	25 mm thick	<b>sqm</b>	<b>1123.30</b>
<b>7.42.1.A</b>	Dressing of sand stone in veneer work	<b>sqm</b>	<b>1543.80</b>
<b>7.42.1.B</b>	Dressing of sand stone in ashlar punched (ordinary work )	<b>0.4sqm</b>	<b>1157.40</b>
<b>7.43</b>	Stone tile work for wall lining 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 shade .		
<b>7.43.1</b>	8 mm thick (mirror polished and machine cut edge )		
<b>7.43.1.1</b>	Granite black stone	<b>sqm</b>	<b>1405.40</b>

**SUB HEAD: 8.0**

**MARBLE WORK**

BUILDING WORK - Contd.

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	137.20
A8.2	Dressing of marble for moulded jambs and heads, straight mouldings and plain arces or domes.	10cudm	219.20
A8.3	Dressing of marble in moulded arches or domes and cirular mouldings.	10cudm	471.90
A8.4	Dressing of marble veneer work	sqm	600.60
A8.5	Labour for fixing marble in veneer work 2.5 cm to 5 cm thick	sqm	871.40
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		
8.1.1.1.2	Area of each slab over upto 0.50 sqm	sqm	2330.70
8.2	Providing and fixing 20mm thick mirror polished, machine cut for kitchen platforms, vanity counters facias and similar locatins of required size of approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement :4 coarse sand) with joints treated with white cement, mixe* with matching pigament-epoxy touch ups. including rubbing, curing etx. complete at all lbevels.		
8.2.1	Rajnagar plain white marbfe /Udaipur green marble/ Zebra block marble		
8.2.1.3	Area of each slab over 0.2 sqm but upto 0.5 sqm Rajnagar plain white	sqm	1798.40
8.2.6	Granite black		
8.2.6.3	Area of each slab over 0.2 sqm but upto 0.5 sqm Granite of any colour and shade	sqm	3319.10
8.3	Extra for providing edge moulding to 18 mm thick marble stone counters, Vanities etc. over item no. 8.2 including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer -in -charge.		

## BUILDING WORK - Contd.

8.0 Marble work

<b>Code No.</b>	<b>Description</b>		<b>Unit</b>	<b>Rate Rs.</b>
	<b>8.3.1</b>	Marble work	<b>m</b>	<b>147.70</b>
	<b>8.3.2</b>	Granite work	<b>m</b>	<b>239.10</b>
<b>8.4</b>	Extra for fixing marble/granite stone over and above corresponding basic ite, in facia and drops of width upto 150 mm with expoxy resin based (Araldite or equivalent) adhesive including cleaning etc. complete.		<b>m</b>	<b>135.20</b>
<b>8.5</b>	Extra for providing opening of required size & shape for wash basins/kitchen sink in kitchen platform. Vanity counters and similar location in marble/stone work including necessary holes for pillar taps etc. including rubing and polishing of cut edges etc. complete.		<b>opening</b>	<b>21.30</b>
<b>8.6</b>	Mirror polishing on marble work/stone work where ever required to give high gloss finish complete.		<b>sqm</b>	<b>184.50</b>
<b>8.8</b>	Providing and fixing expansion hold fasteners on CC/R.C.C. surface backing including drilling necessary holes and the cost of bolt etc complete.			
	<b>8.8.1</b>	wedge expansion type		
	<b>8.8.1.1</b>	Fastner with-threaded dia. 1/4 or 6mm	<b>no</b>	<b>23.90</b>
	<b>8.8.1.2</b>	Fashtner with threaded dia. 3/8 or 10 mm	<b>no</b>	<b>25.50</b>
	<b>8.8.1.3</b>	Fastner with threaded dia. 1/2 or 12mm	<b>no</b>	<b>42.30</b>



**SUB HEAD: 9.0**

**WOOD WORK**

BUILDING WORK - Contd.				
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			
	9.1.1	Second Class teakwood-	cum	93384.50
	9.1.2	Sal wood-	cum	74774.30
	9.1.3	Kiln seasoned and chemically treated hollock wood.	cum	50028.20
	9.1.4	Local wood	cum	48131.30
9.2A	Providing laminated veneer lumber conforming to IS:14616 & TAD 15:2001 (parts), manufactured in factories by approved manufacturers, in frames of doors, windows, clerestory windows and other frames, through framed and fixed in position as per directions of Engineer in charge		cum	98668.20
9.3	Providing wood work in frames of false ceiling, partitions etc. sawn and put up in position:			
	9.3.1	Sal wood	cum	72549.30
	9.2.7	Kiln seasoned and chemically treated hollock wood.	cum	47362.00
9.4	Extra for additional labour for circular works, such as in frames of fan light.			
	9.4.1	Second Class teakwood-	cum	9338.50
	9.4.2	Sal wood-	cum	7477.40
	9.4.3	Kiln seasoned and and chemically treated hollock wood.	cum	5002.80
9.5	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including black enamelled M.S. butt hinges with necessary screws excluding. Panelling which will be paid for separately.			
	9.5.1	Second Class teak wood-		
	9.5.1.1	35 mm thick	sqm	2539.70
	9.5.1.2	30 mm thick	sqm	2243.80
	9.5.2	Kiln seasoned and chemically treated hollock wood.		
	9.5.2.1	35 mm thick	sqm	1509.30
	9.5.2.2	30 mm thick	sqm	1355.40
	9.5.3	Kiln seasoned selected planks of sheesham wood.		
9.5.3.1	35 mm thick	sqm	2341.90	
9.5.3.2	30 mm thick	sqm	2063.00	

BUILDING WORK - Contd.				
9.0 Wood work				
Code No.	Description	Unit	Rate Rs.	
9.6	Providing and fixing 35mm thick factory made laminated veneer lumber door shutter conforming to IS:14616 & TADS 15-2001 (part B),manufactured in factories by approved manufacturers, including black enamelled M.S.butt hinges with necessary screws as per directions of Engineer in charge and panelling with panels of:			
	9.6.1	12 mm thick plain Grade-1 .medium density flat pressed three layer and graded particles board(FPT-I) conforming to 1S:3087 bonded with BWP type synthetic resin adhesive asperIS:848.	sqm	2546.30
	9.6.2	12 mm thick prelaminated (with decorative lamination on both sides) particle board Grade-1,medium density fiat pressed, three layer and graded (FPT-1) conforming to IS:3087 bounded with BWP type synthetic resin adhesive as per IS:848 and prelamination conforming to IS : 12823 Grade I. Type-II	sqm	2773.00
	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	2672.30
9.7	Providing and fixing panelling or panelling and glazing in panelled of 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	2022.50
	9.7.2	Klin seasoned and chemically treated hollock wood for 40,35,30,25mm thick shutters	sqm	1214.20
	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	sqm	1846.70
	9.7.3.2	Decorative plywood one side decorative veneer and commercial veneer on other	sqm	1556.70
	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	sqm	1678.80

BUILDING WORK - Contd.				
9.0 Wood work				
Code No.	Description		Unit	Rate Rs.
	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	sqm	770.60
	9.7.5.2	Veneered flat pressed three layer or graded wood particle board with commercial	sqm	1037.70
	9.7.5.3	Pre-laminated particle board with decorative lamination on one side and balancing lamination	sqm	1404.10
	9.7.5.4	Pre-laminated particle board with decorative lamination on both sides, Grade I,	sqm	1465.10
	9.7.6	Coir Veneer Board (conforming to IS 14842 ).		
	9.7.6.1	12 mm thick.	sqm	1266.70
	9.7.7	Float glass panes.		
	9.7.7.1	4 mm thick glass pane.	sqm	922.70
	9.7.7.2	5.5 mm thick glass pane.	sqm	1182.20
	9.7.8	Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia wire and 1.4 mm wide aperture with	sqm	1513.10
9.9	Providing and fixing glazed shutters for doors, windows and clerestory windows using 10 kg/square meter (4 mm thick) glass panes including black enamelled M.S. butt hinges with necessary screws.			
	9.9.1	<b>Second class teak wood</b>		
	9.9.1.1	35 mm thick	sqm	3111.60
	9.9.1.2	30 mm thick	sqm	2773.40
	9.9.2	<b>Kiln seasoned and chemically treated hollock wood</b>		
	9.9.2.1	35 mm thick	sqm	1944.80
	9.9.2.2	30 mm thick	sqm	1768.80
9.10	Providing and fixing glazed laminated veneer timber shutter conforming to TWDS 15-2001(part-B) & IS:14616 manufactured in 100tones by approved manufactures using 10kg/sqm glass panes for doors windows and clearetoty windows including black enamelled M.S. butt hinges with necessary screws as per drawing of engineer in charge			
	9.10.1	30mm thick	sqm	2294.50
9.11	Extra for providing heavy sheet glass panes instead of ordinary glass in glazed doors , windows and clerestory window shutters.(Area of opening for glass panes excluding portion inside ewbate shall be measured ).			

BUILDING WORK - Contd.				
9.0 Wood work				
Code No.	Description		Unit	Rate Rs.
	9.11.1	13.75 Kilograms per square meter per square metre (5.5 mm thick )instead of 10kg/sqm(4.0mm thick)	sqm	214.10
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	6.30
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	37.80
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	108.80
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.		
	9.15.1.1	For 2nd class teak wood and other class of wood shutters.	sqm	148.80
	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	51.00
9.9A	Deduct if fixed shutters (without hinge )are provided instead of openable shutters for doors, windows or clerestory windows with:			
	9.9A.2	Black enameled M.S.butt hinges with necessary screws	sqm	51.00
9.10B	Providing and fixing 25mm thick shutters for cup board etc.			
	9.10B.1.3	Second class teak wood including anodized aluminum butt hinges with necessary screw	sqm	2454.30
9.17	Providing and fixing flat pressed 3 layer particle board (medium density) exterior grade conforming to IS 3087 to frame backing or studding with screws etc. complete (Frames backing or studding to be paid separately)			
	9.17.2	12mm thick	sqm	506.50
	9.17.3	18 mm thick	sqm	634.10
9.18	Providing and fixing prelaminated flat pressed 3 payer (medium density) particle board conforming to IS : 3087 with one side decorative and other side balancing lamination Grade I type II conforming to IS : 12823 in shelves with screws and M S or aluminum brackets wherever required edges to be painted with polyure there primer ( Brackets to be paid separately)			

BUILDING WORK - Contd.				
9.0 Wood work				
Code No.	Description		Unit	Rate Rs.
	9.18.2	18 mm thick	sqm	1224.50
	9.18.3	25 mm thick	sqm	1333.50
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	2519.10
	9.20.2	30 mm thick including stainless steel butt hinges with necessary screws-	sqm	2330.20
9.21	Providing and fixing flush door shutters conforming to IS : 2202 (Part-I) non-decorative type.core of block board construction with frame of 1st class tiard wood and well mathched 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 anodized aluminum butt hinges with necessary screws-	sqm	1823.80
	9.21.2	30 mm thick including anodised aluminum butt hinges with necessary screws-	sqm	1635.00
	9.21.3	25 mm thick (for cub-board) including nickel plated bright finished M.S.piano hinges with necessary screws-	sqm	1405.60
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 in item no.9.21	sqm	428.20
9.23	Providing and fixing 25 mm thick shutters for cupboards etc.including black enamelled M.S. butt hinges with necessary screws :			
	9.23.1	Panelled or panelled and glazed shutters		
	9.23.1.	Second class teak wood	sqm	2316.80
	9.23.2	Glazed shutters		
	9.23.2.	Second class teak wood	sqm	2527.40
9.23A	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	377.80
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	144.80
	9.24.2	Circular	sqm	226.70

BUILDING WORK - Contd.			
9.0 Wood work			
Code No.	Description	Unit	Rate Rs.
9.25	Extra if louvers (not exceeding 0.2 sqm) are provided in flush door shutters (overall area of door shutters to be measured)	sqm	390.40
9.26	Extra for cutting rebate in flush door shutters (total area of the shutter to be measured)	sqm	107.00
9.27A	Providing and fixing 35 mm thick wire gauze shutters using galvansied M.S.wire gauze of average width of aperture 1.4mm with wire of dia.0.63 mm for doors windows and clerestory windows including bright finished or/and black enamelled M.S.butt hinges with necessary screws		
9.27A.1.1.	Second class tead wood	sqm	2843.6
9.27A.1.1.	Kiln seasoned and chemically treated hollock wood.	sqm	1805
9.27B	Providing and fixing 35 mm thick wire gauze shutters using galvanized M.S.wire gauze of average width of aperture 1.4mm with wire of dia.0.63 mm for doors windows and clerestory windows including bright finished or/and black enamelled M.S.butt hinges with necessary screws		
9.27B.1	Second class teak wood	sqm	2843.60
9.27B.2	Kiln seasoned and chemically treated hollock wood.	sqm	1599.5
9.28	Providing and fixiiing 30mm thick wire gauge shutters using galvanized M.S.wire gauge of average width or aperture 1.4mm with wire of dia.0.63 mm for doors windows and clerestory windows including anodized aluminum butt hinges with necessary screws:		
9.28.2	Second class India teak wood	sqm	2662.00
9.28.3	Kiln seasoned and chemically treated Hollock wood	sqm	1773.40
9.29	Providing and fixing 30mm thick wire gauze shutters using galvanised M.S.wire gauze of average width of aperture 1.4mm with wire of dia 0.63 mm for doors, finished or/and black enamelled M.S.butt hinges with necessary screws:		
9.29.1	Second class teak wood	sqm	2499.60
9.29.6	Kiln seasoned and chemically treated Hollock wood	sqm	1423.10
9.31A	Providing and fixing wire gauze laminated veneer lumber shutters conforming to TADS 15:1995,manufactured in factories by approved manufacturers using galvanised wire gauze with average with average width of aperture 1.4mm in both directions with wire of dia 0.63 mm as per IS: 1568 for doors, windows and clerestory windows including bright finished of/and black enamelled M.S.butt hinges with necessary screws as per directions of Engineer-in-charge:		
9.31A.1	35mm thick shutters	sqm	2252.90

BUILDING WORK - Contd.				
9.0 Wood work				
Code No.	Description		Unit	Rate Rs.
	9.31A.2	30mm thick shutters	sqm	2006.18
9.32	Providing 50x50x50 mm 2nd class teak wood plugs including cutting brickwork and fixing in cement mortar 1:3 (1 cement: 3 coarse sand)		no	17.30
9.33A	Providing and fixing expandable fasteners of specified of specified size with necessary plastic sleeves and galvanised M.S.screws including drilling holes in masonry work/CC/R.C.C. and making good etc. complete			
	9.33A.1	25mm long	no	14.30
	9.33A.2	32 mm long	no	16.00
	9.51A.3	40 mm long	no	19.80
	9.51A.4	50 mm long	no	21.00
9.34	Providing and fixing 2nd class teak wood plain lining tongued and grooved on and including wooden plugs complete with necessary screws and priming coat on unexposed surface			
	9.34.1	40 mm thick	sqm	5022.90
	9.52.2	25 mm thick	sqm	3236.50
9.54A	Providing and fixing in wait lining fiat pressed 3 layer and graded (medium density) particle board prelaminate one side decorative lamination on other side balancing lamination grade 1 ,type 2 conforming to IS : 12823 including priming coat on unexposed surface with necessary fixing arrangement and screws etc.complete			
	9.54A.1	12 mm thick	sqm	1118.70
	9.54A.2	18mm thick	sqm	1271.10
	9.54A.3	25 mm thick	sqm	1381.90
9.55	Providing and fixing 2nd class lead wood grounds consisting of battens 50x25 mm fixed over tb,3 teakwood plugs embedded in wall with cement mortar 1:3(1 cement; 3 fine sand ) with necessary iron screws including priming coat complete		cum	142573.70
9.55A	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.			
	9.55A.1	Hollock wood.	cum	67591.40
9.60	Providing and fixing 25 mm thick 1 st class teak wood plain skirting with necessary screws, priming coat on unexposed surfaces.		sqm	3703.70



BUILDING WORK - Contd.				
9.0 Wood work				
Code No.	Description		Unit	Rate Rs.
9.60A	Providing and fixing skirting of prelaminated with (one side decorative other side balancing lamination) flat pressed, 3 layer and graded particle board (medium density) (Grade 1 ,type2) conforming to IS: 12823. with necessary fixing arrangements and screws including drilling necessary holes for rawl plugs etc. and priming coat on unexposed surface complete			
	9.60A.1	18 mm thick	sqm	1271.10
	9.60A.2	25 mm thick	sqm	1381.90
9.61	Providing and fixing wooden molded beading to door and window frames with iron screws,plugs and priming coat on unexposed surface etc. complete			
	9.61.1	2nd class teak wood		
	9.61.1.1	50x12mm	m	97.90
	9.61.1.2	50x20mm	m	138.40
	9.61.2	Hollock wood		
	9.61.2.1	50x12mm	m	68.40
9.67	Providing and fixing plain jaffri of 35x10 mm laths placed 35 mm apart (frames to be paid separately ) including fixing 50*12 mm beading complete with:			
	9.67.1	Second class teak wood	sqm	1618.80
9.73	Providing and fixing 12mm thick 150mm wide pelmet of flat pressed 3 layer particle board (medium density with 25 mm dia second class read wood curtain rod 10cm long and plug etc. Complete.		sqm	251.30
9.73 A	Providing and fixing 18 mm thick. 150mm wide pelmet of flat pressed 3 layer and graded particle board (medium density grade I,conforming to IS 3087) including top cover of 6 mm commercial ply wood, nickel plated M.S.pipe 20 mm dia (heavy type) curtain rod with nickel plated brackets including fixing with 25 x3 mm M.S.Hat 10cm ling and rawl plugs 50mm long ( designation 10 no.)etc. all complete Details of cost for a pelmet 2m long		sqm	288.10
9.74A	Extra for using veneered particle board in item of pelmet 12 mm thick 150 mm wide			
	9.74A.1	Commercial veneered on both sides.	sqm	34.30
	9.74A.2	Particle board with teak veneering on both sides	sqm	100.70
9.74B	Providing and fixing teak wood lipping of size 25*3 mm		m	39.60
9.76	Providing and fixing curtain rods of 1.25 mm thick brass plate with brackets instead of wooden curtain rods of 25 mm dia m and brackets { Actual length of rods to be measured)			
	9.76.2	20 mm dia metre	m	121.20

BUILDING WORK - Contd.				
9.0 Wood work				
Code No.	Description		Unit	Rate Rs.
	9.76.3	25 mm dia metre	m	146.40
9.79A	Providing and fixing nickel plated M.S. Pipe curtain rods with nickel plated brackets			
	9.79A.1	20mm dia (heavy type)	m	94.50
	9.79A.2	25 mm dia (heavy type)	m	108.30
9.82	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc.all complete			
	9.82.1	Fixed to steel windows by welding	kg	91.50
	9.82.2	fixed to openings/wooden frames with rawl plugs screws	kg	92.70
9.83	Providing and fixing expanded metal 20x60 mm strands 3.25 wide and 1.6 mm thick for windows etc including 62x19 mm beading of lind class teak wood		sqm	862.90
9.84	Providing and fixing hard drawn steel wire faerie 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.		sqm	1066.90
9.85	Providing and fixing fly proof galvanized M.S. wire gauze to windows and clerestory window using galvanized M.S. wire gage with average width of aperture 1.4 mm in both directions with wire of dia.0.63 mm.			
	9.85.1	With second class teak wood beading 62x19 mm	sqm	818.20
	9.85.2	with mild steel U beading	sqm	523.80
9.87	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	80.80
9.88	Providing beams including hoisting, fixing in position and applying wood preservative for the unexposed surfaces,etc. complete with:			
	9.88.1	Sal wood	cum	70209.60
	9.88.3	Hollock wood	cum	45156.80
9.93	Providing and fixing M.S. pressed butt each bright finished with necessary screws etc.complete:			
	9.93.1	125x65x2.12 mm	each	30.00
	9.93.2	100x58x1.9	each	21.60
	9.93.3	75x47x1.7	each	16.30
	9.93.4	50x37x1.5mm	each	10.00

BUILDING WORK - Contd.			
<b>9.0 Wood work</b>			
Code No.	Description	Unit	Rate Rs.
<b>9.94</b>	Providing and fixing M.S. pressed parliamentary each bright finished with necessary screws etc.complete:		
<b>9.94.1</b>	150x125x27x2.8	each	54.50
<b>9.94.2</b>	125x125x27x2.8 mm	each	51.60
<b>9.94.3</b>	100x125x27x2.8 mm	each	41.50
<b>9.94.4</b>	75x100x20x2.24 mm	each	36.10
<b>9.95</b>	Providing and fixing M.S. single acting spring each bright finished with necessary screws etc.complete:		
<b>9.95.1</b>	150 mm	each	166.40
<b>9.95.2</b>	125 mm	each	160.10
<b>9.95.3</b>	100 mm	each	133.40
<b>9.96</b>	Providing and fixing M.S. double acting spring each bright finished with necessary screws etc.complete:		
<b>9.96.1</b>	150 mm	each	166.40
<b>9.96.2</b>	125 mm	each	160.10
<b>9.96.3</b>	100 mm	each	133.40
<b>9.97</b>	providing 1 mm thick M.S. piano each finished with brass plating flange being 35 mm wide and fixing with necessary screws	m	148.20
<b>9.98</b>	Providing 1 mm thick M.S. piano each finished with nickel plating and fixing with necessary screws.		
<b>9.98.1</b>	Overall width 35 mm	m	119.30
<b>9.100</b>	Providing and fixing M.S. sliding door bolts bright finished or/and black enamelled,with nuts and screws etc.compelled:		
<b>9.100.1</b>	300x16 mm	each sliding bolt	177.40
<b>9.100.2</b>	250x16 mm	each sliding bolt	171.10
<b>9.101</b>	Providing and fixing M.S. each (barrel type with necessary screws,etc.corrplete:		
<b>9.101.1</b>	Bright satin finished black stove enamelled		
<b>9.101.1.1</b>	250x10 mm	tower bolt	64.60
<b>9.101.1.2</b>	200x10 mm	bolt	57.20
<b>9.101.1.3</b>	150x10 mm	bolt	43.10
<b>9.101.1.4</b>	100x10 mm	bolt	36.80
<b>9.103</b>	Providing and fixing M.S. door latch with screws etc.complete -		

BUILDING WORK - Contd.				
9.0 Wood work				
Code No.	Description		Unit	Rate Rs.
	9.103.1	300x20x6 mm	each	67.90
	9.103-2	250x20x6 mm	each	57.80
9.104	Providing and fixing M.S.handles with necessary screws etc.complete			
	9.104.1	125 mm	each	27.50
	9.104.2	100 mm	each	23.60
	9.104.3	75 mm	each	22.40
9.109	Providing and fixing M.S.safety each with necessary screws etc.complete			
	9.109.1	150 mm	each	21.50
	9.109.2	115 mm	each	17.90
	9.109.3	90 mm	each	14.80
9.111	Providing and fixing oxidised M.S.pressed butt each with necessary screws etc.complete.			
	9.111.1	125x65x2.12 mm	each	31.10
	9.111.2	100x58x1.9 mm	each	23.20
	9.111.3	75x47x1.7 mm	each	18.10
	9.111.4	50x37x1.5 mm	each	10.90
9.112	Providing and fixing oxidised M.S. pressed parliamentary each with necessary screws etc.complete			
	9.112.1	150x125x27x2.8 mm	each	55.80
	9.112.2	125x125x27x2.8 mm	each	52.60
	9.112.3	100x125x27x2.80 mm	each	42.50
	9.112.4	75x100x20x2.24 mm	each	36.30
9.113	Providing and fixing oxidised M.S. single acting spring each with necessary screws etc.complete.			
	9.113.1	150 mm	each	167.40
	9.113.2	125 mm	each	161.10
	9.113.3	100 mm	each	134.40
9.114	Providing and fixing oxidised M.S. double acting spring each with necessary screws etc.complete.			
	9.114.1	150 mm	each	167.40
	9.114.2	125 mm	each	161.10
	9.114.3	100 mm	each	134.40
9.118	Providing and fixing oxidised M.S. sliding door bolts with nuts and screws etc. complete			
	9.118.1	300x16xmm	each	165.60
	9.118.2	250x16mm	each	158.00
9.119	Providing and fixing oxidised M.S.tower bolt black finish,(barrel type) with necessary screws etc.complete			

BUILDING WORK - Contd.				
9.0 Wood work				
Code No.	Description		Unit	Rate Rs.
	9.119.1	250x10mm	each	66.50
	9.119.2	200x10mm	each	58.80
	9.119.3	150x10mm	each	44.80
	9.119.4	100x10mm	each	38.00
9.120	Providing and fixing 85mmx42mm oxidised M.S. pull bolt lock conforming to IS:7534 with necessary screws bolts nut and washers etc. complete		each	70.00
9.128	Providing and fixing bright finished brass each butt each with necessary screws etc. complete.			
	9.128.1	125x85x5.5mm(heavy type)	each	423.40
	9.128.2	125x70x4mm(ordinary type)	each	140.10
	9.128.3	100x85x5.5mm (heavy type)	each	365.90
	9.128.4	100x70x4mm(ordinary type)	each	107.80
	9.128.5	75x65x4mm (heavy type)	each	136.30
	9.128.6	75x40x2.5mm(ordinary type)	each	70.90
	9.128.7	50x40x2.5mm(ordinary type)	each	29.70
9.129	Providing and fixing bright finished brass parliamentary each with necessary screws etc. complete.			
	9.129.1	150x125x27x5mm	hinge	376.40
	9.129.2	125x125x27x5mm	hinge	339.30
	9.129.3	100x125x27x5mm	hinge	314.10
	9.129.4	75x100x20x3.2mm	hinge	238.00
9.134	Providing fixing bright finished brass each (barrel type) with screws etc. complete.			
	9.134.1	250x10mm	each	310.00
	9.134.2	200x10mm	each	243.40
	9.134.3	150x10mm	each	199.40
	9.134.4	100x10mm	each	133.00
9.137	Providing and fixing bright finished brass door latch with necessary screws etc. complete.			
	9.137.1	300x16x5mm	each	222.40
	9.137.2	250x16x5mm	each	216.10
9.139	Providing and fixing bright finished brass 100mm mortice latch and lock with 6 lever handles with necessary screws etc. complete.(best make of approved quality)		each	519.00
9.140	Providing and fixing bright finished brass 100mm mortice latch with one dead bolt and a pair of lever handles with necessary screws etc. complete.(best make of approved quality)		each	456.00
9.141	Providing and fixing bright finished brass night latch including necessary screws etc. complete, (best make of approved quality)		each	676.40

BUILDING WORK - Contd.				
9.0 Wood work				
Code No.	Description		Unit	Rate Rs.
9.142	Providing and fixing special quality bright finished brass cupboard or ward robe olcks with four levers including necessary screws etc. complete.(best make of approved quality)			
	9.142.1	40mm	each	141.20
9.143	Providing and fixing bright finished brass cupboard or ward robe knob with necessary screws .(best make of approved quality.)		each	48.40
9.146	Providing and fixing bright finished brass handles with screws etc. complete.			
	9.146.1	125 mm	each	183.10
	9.146.2	100 mm	each	170.30
	9.146.3	75 mm	each	132.60
9.149	Providing and fixing bright finished brass hangging type floor door stoper with necessary screws etc. compelte.		each	85.40
9.15	Providing and fixing IS:3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screws etc. coplete.		each	756.10
9.152	Providing and fixing bright finished brass casement window fastener with necessary screws etc. complete.		each	70.80
9.153	Providing and fixing bright finished brass caesment stayes(stright peg type) with necessary screws etc. complete.			
	9.153.1	300 mm weighing not lees than 330 gms	each	179.80
	9.153.2	250 mm weighing not less than 280 gms	each	146.30
	9.153.3	200 mm weighing not less than 240 gms	each	133.70
9.158	Providing and fixing bright finished brass hasp and			
	9.158.1	150 mm	quadrant stay	109.70
	9.158.2	115 mm	each	92.30
	9.158.3	90 mm	each	81.00
9.207	providing and fixing chromium plated brass		each	128.70
9.208	providing and fixing chromium plated brass each(straight peg type) with necessary screws etc. complete			
	9.208.1	300 mm weighing not less than 330 gms	each	198.00
	9.208.2	250 mm weighing not less than 280 gms	each	172.80
	9.208.3	200 mm weighing not less than 240 gms	each	153.90

BUILDING WORK - Contd.			
9.0 Wood work			
Code No.	Description	Unit	Rate Rs.
9.215	Providing and fixing aluminium but each anodised (anodic coating not less than grade AC 10 as transport or dyed requirement colour or shade with necessary screws etc.complete		
9.215.1	125x75x4.0 mm	each	108.40
9.215.2	125x63x4.0 mm	each	103.30
9.215.3	100x74x4.0	each	91.90
9.215.4	100x63x4.0 mm	each	90.70
9.215.5	100x63x3.2	each	89.40
9.215.6	75x63x4.0 mm	each	80.90
9.215.7	75x63x3.2 mm	each	77.10
9.215.8	75x45x3.2 mm	each	67.00
9.218	Providing and fixing alluminium sliding door bolt anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:		
9.218.1	300x16 mm	each	222.70
9.218.2	250x16 mm	each	184.90
9.219	Providing and fixing alluminium sliding tower bolt anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:		
9.219.1	300x10 mm	each	114.10
9.219.4	150x10 mm	each	66.00
9.219.5	100x10 mm	each	52.10
9.220	Providing and fixing alluminium pull bolt lock anodised(anodic coating not less than grade AC 10 as per FS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete:	each	70.00
9.221	Providing and fixing 50 cm long aluminium kicking plate 100x3.15 mm 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	173.30
9.222	Providing and fixing alluminium handles 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:		
9.222.1	125 mm	each	71.00
9.222.2	100 mm	each	55.80
9.222.3	75 mm	each	47.30
9.223	Providing and fixing alluminium hanging floor door stopper 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	35.60

<b>BUILDING WORK - Contd.</b>				
<b>9.0 Wood work</b>				
<b>Code No.</b>	<b>Description</b>		<b>Unit</b>	<b>Rate Rs.</b>
	<b>9.223.1</b>	Single rubber stopper	<b>each</b>	<b>35.60</b>
	<b>9.223.2</b>	Twin rubber stopper	<b>each</b>	<b>82.70</b>
<b>9.224</b>	Providing and fixing alluminium each 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:		<b>each</b>	<b>72.00</b>
<b>9.225</b>	Providing and fixing bright finished brass 100 mm mortice latch and lock with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868)aluminium lever with necessary screws etc.completefBest make of approved quality)		<b>each</b>	<b>777.90</b>
<b>9.226</b>	Providing and fixing aluminium tee chanals(heavy duty)with rollers,stop end in pelmets as curtain rod <i>i</i>		<b>m</b>	<b>64.70</b>



## **SUB HEAD: 10.0**

### **STEEL WORK**

BUILDING WORK - Contd.				
<b>10.0 Steel work</b>				
<b>Code No.</b>	<b>Description</b>		<b>Unit</b>	<b>Rate Rs.</b>
<b>10.1</b>	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.		<b>kg</b>	<b>60.10</b>
<b>10.3</b>	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.		<b>kg</b>	<b>69.80</b>
<b>10.5</b>	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.		<b>sqm</b>	<b>4115.60</b>
<b>10.6</b>	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.		<b>sqm</b>	<b>2985.30</b>
<b>10.7</b>	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.		<b>sqm</b>	<b>2598.90</b>
	10.7.1	Using flats 30x6 mm for diagonal braces and central cross piece.	<b>sqm</b>	<b>2481.60</b>
<b>10.8</b>	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 prioiving and fixing necessary 27.5 cm long wire springs grade no. 2 and M.S. top cover of required thickness for rolling shutters.			
	<b>10.8.1</b>	80x1.25mmM.S. Laths with 1.25mm thick top cover.	<b>sqm</b>	<b>2089.20</b>
	<b>10.8.2</b>	80x1.20mm thick M.S. laths with 1.20 mm thick top cover.	<b>sqm</b>	<b>1858.30</b>
	<b>10.8.3</b>	80x0.90 mm thick M.S. laths with 0.90 mm thick top cover.	<b>sqm</b>	<b>1757.60</b>
<b>10.9</b>	Providing and fixing ball bearing for rolling shutters		<b>sqm</b>	<b>473.00</b>
<b>10.1</b>	Extra for providing mechanical device chain and crank operation for operating rolling shutters:			
	<b>10.10.1</b>	Exceeding 10.00 sqm and upto 16.80 sqm in area (say average 14 sqm)	<b>sqm</b>	<b>721.50</b>
	<b>10.10.2</b>	Exceeding 16.80 sqm in area	<b>sqm</b>	<b>759.30</b>

BUILDING WORK - Contd.			
<b>10.0 Steel work</b>			
Code No.	Description	Unit	Rate Rs.
	<b>10.10A</b> Extra for providing grided 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	340.00
<b>10.11</b>	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 cfips and special metal-sash putty of approved make, or metal beading with screwsfonly steel windows with lugs, glass panes screws, shall be supplied by department free of cost)	Kg	27.90
10.11.1	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately).	kg	15.40
<b>10.12</b>	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 necessary hinges or pivots as required.		
	<b>10.12.1</b> Doors	sqm	2928.10
<b>10.13</b>	Extra for providing and fixing steel beading of approved shape and section with screws instread of glaxing clips and met. Sash putty in steel doors, windows, Ventilators and comosite units.		
	<b>10.13A</b> Steel doors.	sqm	286.80
	<b>10.13B</b> Steel windows	sqm	342.50
	<b>10.13C</b> Steel ventilators	sqm	349.50
<b>10.14.1</b>	Providing and fixing T-iron frames for doors. windows and ventilators of mils steel Tee-sections, joints miltred and welded with 15x3 mm lugs 10 cm long embedded in cement concreete 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	75.10
	<b>10.14.2</b> Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately).	kg	72.70

BUILDING WORK - Contd.			
<b>10.0 Steel work</b>			
Code No.	Description	Unit	Rate Rs.
<b>10.15</b>	Providing and fixing pressed steel door confirming 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:		
	<b>10.15.1</b> Profile B	metre	<b>372.70</b>
	<b>10.15.2</b> Profile C	metre	<b>397.90</b>
	<b>10.15.3</b> Profile E	metre	<b>435.70</b>
<b>10.16</b>	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:		
	<b>10.16.1</b> Hot finished welded type tubes	kg	<b>92.90</b>
	<b>10.16.2</b> Hot finished seamless type tubes	kg	<b>110.00</b>
	<b>10.16.3</b> Electric resistance or induction butt welded tubes	kg	<b>116.70</b>
<b>10.19</b>	Providing and fixing M.S.fan clamp type 1 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	<b>121.80</b>
<b>10.21</b>	Providing and fixing circular cast iron 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 ;pcf at the corners. Clamps shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.	each	<b>137.90</b>
<b>10.22</b>	Providing and fixing M.S. round holding down bolts with nuts and washer plates complete.	kg	<b>75.50</b>
<b>10.23</b>	providing and fixing bolts upto 300 mm in length	kg	<b>89.00</b>
<b>10.24</b>	providing and fixing bolts above 300 mm in length	kg	<b>70.89</b>
<b>10.25</b>	Providing and fixing M.S. rivets of sizes in position.	kg	<b>110.30</b>
<b>10.26</b>	Welding by gas plant including transportation of gas	cm	<b>3.10</b>
<b>10.27</b>	Welding by electric plant including transportation of electric welding plant at site etc. complete.	cm	<b>2.80</b>
<b>10.28</b>	Providing and fixing bright finished brass casement window fastners of minimum weight 200 gms to side hung steel windows with necessary welding and machine screws etc. complete.	each	<b>73.60</b>

BUILDING WORK - Contd.			
<b>10.0 Steel work</b>			
Code No.	Description	Unit	Rate Rs.
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	180.60
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	180.60
10.30.2	250 mm long of minimum weight of 240 grams.	each	149.10
10.31	providing and fixing 14 mm bright finished brass	each	231.00
10.32	Steel work welded in built up sections/framed work including cutting hoisting, rixing in position <b>and</b> applying a priming coat of approved steel primer using structural steel, etc. as required.		
10.32.1	<b>In stringers, treads landings etc. of stair cases including use of required plates wherever required all complete.</b>	kg	75.30
10.32.2	<b>In gratings, frames, guard bar, ladders, railings, brackts. gates &amp; similar works.</b>	kg	82.00
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	91.10
10.33.2	E.R.W tube 40 mm nominal dia	kg	120.90
10.33.3	G.I pipes 40 mm nominal bore (class B)	kg	103.30
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/l.	Per m	39.20
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/l.	Per m	27.60
10.33.6	Drilling 6mm Dia. In M.S. angle iron for fixing of staples etc. as per building specification and direction of E/l.	Each	4.70
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/l.	Each	14.80

BUILDING WORK - Contd.			
<b><u>10.0 Steel work</u></b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>10.35</b>	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 <sup>2</sup> ), 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.		
	<b>10.35.1</b> 10 x60 mm.	<b>each</b>	<b>52.70</b>
	10.35.2 10 x80 mm.	<b>each</b>	<b>58.10</b>
	10.35.3 10 x120 mm.	<b>each</b>	<b>71.80</b>
	10.35.4 10 x140 mm.	<b>each</b>	<b>82.70</b>
	10.35.5 10 x160 mm.	<b>each</b>	<b>102.60</b>
<b>10.36</b>	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.).	<b>kg</b>	<b>638.80</b>
<b>10.37</b>	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.	<b>sqm</b>	<b>344.90</b>
	10.37.2 Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides.	<b>sqm</b>	<b>1007.80</b>
<b>10.38</b>	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.	<b>sqm</b>	<b>761.00</b>
	10.38.2 5.5 mm thick glass panes.	<b>sqm</b>	<b>996.50</b>
<b>10.39</b>	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).	<b>kg</b>	<b>100.60</b>
	10.39.2 Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately).	<b>kg</b>	<b>72.70</b>

BUILDING WORK - Contd.			
<b>10.0 Steel work</b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>10.40</b>	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.	<b>metre</b>	<b>38.90</b>
<b>10.41</b>	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	<b>kg</b>	<b>218.60</b>
10.41.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately).	<b>kg</b>	<b>212.80</b>
<b>10.42</b>	Providing and fixing bolts including nuts and washers complete.	<b>kg</b>	<b>89.70</b>

**SUB HEAD: 11.0**  
**FLOORING WORK**



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 545.10
	11.1.2	1:6(1 cement:6 coarse sand)	sqm 511.30
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 aggregat	sqm 212.80
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	335.20
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 rrrr.. 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	367.00
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 205.68
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	4150.50
11.8	Extra for making chequers of approved pattern on cement concrete floors, steps, landing, pavemerts etc.	sqm	20.10

## BUILDING WORK - Contd.

**11.0 Flooring**

Code No.	Description	Unit	Rate Rs.
<b>11.9</b>	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, black, chocolate, grey, yellow or Baroda green marble chips of sizes from 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.		
<b>11.9.1</b>	Dark shade pigment with ordinary cement	<b>sqm</b>	<b>408.30</b>
<b>11.9.2</b>	Light shade pigment with white cement	<b>sqm</b>	<b>463.00</b>
<b>11.9.3</b>	Medium shade pigment with 50% white cement and 50% ordinary cement.	<b>sqm</b>	<b>435.60</b>
<b>11.9.4</b>	White cement without any pigment	<b>sqm</b>	<b>444.70</b>
<b>11.9.5</b>	Light shade pigment with ordinary cement.	<b>sqm</b>	<b>415.40</b>
<b>11.9.6</b>	Ordinary cement without any pigment	<b>sqm</b>	<b>388.50</b>
<b>11.10</b>	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.		
<b>11.10.1</b>	Dark shade pigment with ordinary cement	<b>sqm</b>	<b>423.00</b>
<b>11.10.2</b>	Light shade pigment with white cement	<b>sqm</b>	<b>501.10</b>
<b>11.10.3</b>	Medium shade pigment with 50% white cement and 50% ordinary cement	<b>sqm</b>	<b>462.00</b>
<b>11.10.4</b>	White cement without any pigment	<b>sqm</b>	<b>477.60</b>
<b>11.10.5</b>	Light shade pigment with ordinary cement	<b>sqm</b>	<b>433.20</b>
<b>11.10.6</b>	Ordinary cement without any pigment	<b>sqm</b>	<b>404.00</b>
<b>11.11</b>	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 layer 12 mm thick with white, black, chocolate, grey, yellow or Baroda green 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.		

BUILDING WORK - Contd.

**11.0 Flooring**

Code No.	Description	Unit	Rate Rs.
11.11.1	Dark shade pigment with ordinary cement	sqm	448.70
11.11.2	Light shade pigment with white cement	sqm	558.20
11.11.3	Medium shade pigment with 50% white cement and 50% ordinary cement	sqm	515.90
11.11.4	White cement without any pigment	sqm	517.60
11.11.5	Light shade pigment with ordinary cement	sqm	535.50
11.11.6	Ordinary cement without any pigment	sqm	422.40
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	516.20
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	526.30
11.12.2.2	Light shade pigment with white cement	sqm	581.10
11.12.2.3	Medium shade pigment with 50 % white cement and 50% ordinary cement	sqm	553.70
11.18.2.4	White cement without any pigment	sqm	536.20
11.12.2.5	Light shade pigment with ordinary cement	sqm	533.50
11.12.2.6	Ordinary cement without any pigment	sqm	546.10
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	27.50
11.14	Extra for laying terrazo flooring on stair case treads not exceeding 30cm in width including cost of forming, nosising etc.	sqm	21.20

## BUILDING WORK - Contd.

**11.0 Flooring**

Code No.	Description	Unit	Rate Rs.
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	718.70
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	802.90
11.16.2	Medium shade using 50% white cement and 50% ordinary cement	sqm	745.40
11.16.3	Dark shade using ordinary cement	sqm	597.70
11.16.4	Ordinary cement without any pigment	sqm	566.10
11.17	Extra if terrazo tiles are laid in treads of steps not exceeding 30 cm in width	sqm	27.80
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	973.00
11.18.2	Medium shade using 50% white cement and 50% ordinary cement	sqm	895.40
11.18.3	Dark shade using ordinary cement	sqm	821.10
11.18.4	Ordinary cement without any pigment	sqm	789.50
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	892.90
11.19.2	Medium shade using 50% white cement and 50% ordinary cement	sqm	807.80
11.19.3	Dark shade using ordinary cement	sqm	724.70
11.19.4	Ordinary cement without pigment	sqm	693.00

BUILDING WORK - Contd.

**11.0 Flooring**

Code No.	Description	Unit	Rate Rs.
<b>11.20</b>	Chequerred precast cement concrete tiles 22 mm thick with marbie chips of size 6 mm in footpath & coutyard jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning tec. Complete on 20 mm thick bed of cement mortar 1:4(1 cement:4 coarse sand)		
<b>11.20.1</b>	Light shade using white cement	<b>sqm</b>	<b>1034.10</b>
<b>11.20.2</b>	Medium shade using 50% white cement 50% grey cement	<b>sqm</b>	<b>843.20</b>
<b>11.20.3</b>	Dark shade using ordinary cement	<b>sqm</b>	<b>612.30</b>
<b>11.20.4</b>	Ordinary cement without any pigments	<b>sqm</b>	<b>580.60</b>
<b>11.21</b>	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.		
<b>11.21.1</b>	In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand).		
<b>11.21.1.1</b>	Acid and alkali resistant tile.	<b>sqm</b>	<b>1211.00</b>
<b>11.21.2</b>	In dado/skirting on 12 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand).		
<b>11.21.2.1</b>	Acid and alkali resistant tile.	<b>sqm</b>	<b>1260.30</b>
<b>11.22</b>	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.		
<b>11.22.1</b>	Marble tiles (polished) Raj nagar 8 mm thick	<b>sqm</b>	<b>1055.80</b>
<b>11.23</b>	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:		
<b>11.23.1</b>	Makrana white second quality.	<b>sqm</b>	<b>3210.40</b>
<b>11.23.2</b>	Rajnagar plain white marble 18mm thick above 0.10 sqm upto 0.20 sqm	<b>sqm</b>	<b>1443.60</b>
<b>11.23.2.1</b>	Rajnagar plain white marble 18mm thick above 0.20 sqm upto 0.50 sqm	<b>sqm</b>	<b>1588.40</b>
<b>11.23.4</b>	Black Zebra marble	<b>sqm</b>	<b>1226.40</b>
<b>11.23.5</b>	Udaipur green marble	<b>sqm</b>	<b>1501.50</b>
<b>11.23.6</b>	Pink marble	<b>sqm</b>	<b>1436.40</b>

BUILDING WORK - Contd.

**11.0 Flooring**

Code No.	Description	Unit	Rate Rs.
11.24	Extra for nosing in marble stone for treads	sqm	168.20
11.25	Extra for marble stone flooring in treads of steps. Not exceeding 30 cm in width.	sqm	199.40
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		
11.26.1	20 to 25 mm thick -	sqm	968.00
11.49	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	927.50
<b>SAND STONE FLOORING</b>			
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	287.80
11.28.1.2	white sand stone	sqm	315.50
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	533.20
11.28A.2	White sand stone	sqm	560.90
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	550.30
11.29.2	white sand stone	sqm	578.00
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	548.10
11.30.2	White sand Jtone	sqm	575.80
11.31	Extra for pre finished nosing in treads of steps of Kota stone / sand stone slab.	m	44.10
11.32	Extra for Kota stone / sand stone in treads of steps and risers using single up to 1.05 metre.length	sqm	9.50
11.33	25 mm wooden planking, tongued and grooved in flooring including fixing with iron screws complete .		

BUILDING WORK - Contd.

**11.0 Flooring**

Code No.	Description	Unit	Rate Rs.
11.33.2	2nd class teak wood	sqm	3386.20
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	5954.80
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	74.40
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	754.20
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	788.60
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	801.80
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	1189.30

BUILDING WORK - Contd.

**11.0 Flooring**

Code No.	Description	Unit	Rate Rs.
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	1229.00
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	1493.40
11.41.2	Size of Tile 60x60 cm	sqm	1671.90
11.41.3	Size of Tile 80x80 cm	sqm	1943.00
11.41.4	Size of Tile 100x100 cm	sqm	2690.10
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	336.80
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	355.2
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	sqm	295.9
11.45	Providing and laying 500x500x40 mm thick Turf paver (Turf pave 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	1582.3



## BUILDING WORK - Contd.

**11.0 Flooring**

Code No.	Description	Unit	Rate Rs.
<b>11.46</b>	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.		
<b>11.46.1</b>	Size of Tile 500 x 500 mm.	sqm	1241.6
<b>11.46.2</b>	Size of Tile 600 x 600 mm.	sqm	1415.9
<b>11.46.3</b>	Size of Tile 800 x 800 mm.	sqm	1680.5
<b>11.46.4</b>	Size of Tile 1000 x 1000 mm.	sqm	2409.8
<b>11.47</b>	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).		
<b>11.47.1</b>	Size of Tile 500 x 500 mm.	sqm	1433.9
<b>11.47.2</b>	Size of Tile 600 x 600 mm.	sqm	1608.2
<b>11.47.3</b>	Size of Tile 800 x 800 mm.	sqm	1872.8
<b>11.47.4</b>	Size of Tile 1000 x 1000 mm.	sqm	2602.1
<b>11.48</b>	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.		
<b>11.48.1</b>	Size of Tile 500x500 mm.	sqm	197.80
<b>11.48.2</b>	Size of Tile 600 x 600 mm.	sqm	168.00
<b>11.48.3</b>	Size of Tile 800 x 800 mm.	sqm	138.30
<b>11.48.4</b>	Size of Tile 1000 x 1000 mm.	sqm	102.20
<b>11.49</b>	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).		
<b>11.49.1</b>	Size of Tile 500 x 500 mm.	sqm	1396.40
<b>11.49.2</b>	Size of Tile 600 x 600 mm.	sqm	1570.70

BUILDING WORK - Contd.

**11.0 Flooring**

Code No.	Description	Unit	Rate Rs.
	<b>11.49.3</b> Size of Tile 800 x 800 mm.	<b>sqm</b>	<b>1835.30</b>
	<b>11.49.4</b> Size of Tile 1000 x 1000 mm.	<b>sqm</b>	<b>2564.60</b>
<b>11.50</b>	Deduct for not grouting the joints with white cement and matching pigment in the items of fixing of vitrified tiles.	<b>sqm</b>	<b>8.80</b>
<b>11.51</b>	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.	<b>sqm</b>	<b>5360.30</b>
<b>11.52</b>	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.	<b>sqm</b>	<b>5591.60</b>
<b>11.53</b>	Providing and fixing Glass mosaic 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 mosaic 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.	<b>sqm</b>	<b>1650.90</b>

BUILDING WORK - Contd.

**11.0 Flooring**

Code No.	Description	Unit	Rate Rs.
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.		
	b) 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.		

BUILDING WORK - Contd.

**11.0 Flooring**

Code No.	Description	Unit	Rate Rs.
	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	4295.40
11.54.2	450 mm Finished Floor Height (FFH).	sqm	4295.40
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	227.60
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	365.10
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	211.30
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	338.00

BUILDING WORK - Contd.

**11.0 Flooring**

<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>11.76</b>	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,	<b>sqm</b>	<b>295.30</b>

**SUB HEAD: 12.0**  
**ROOFING WORK**

## BUILDING WORK - 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 or purlins, rafters and trusses.		
12.1.3	1.00 mm thick with zinc coating not less than 275 gm/m <sup>2</sup>	sqm	985.20
12.1.4	0.8mm thick with zinc coating not less than 275 gm/m <sup>2</sup>	sqm	831.50
12.1.5	0.63 mm thick with zinc coating not less than 275 gm/m <sup>2</sup>	sqm	700.70
12.2	Extra for providing and fixing corrugated G. S. sheets vertically or to a pitch exceeding 60	sqm	5.90
12.3	Extra for providing and fixing curved C.G.S. sheets on roofing		
12.3.4	0.80 mm thick	sqm	6.60
12.3.5	0.63 mm thick	sqm	5.30
12.4	Extra for straight cutting in C.G. S. sheet roofing for making opening of area exceeding 40 dm <sup>2</sup> for chimney stacks , sky light etc.		
12.4.3	1.00 mm thick	m	25.60
12.4.4	0.80 mm thick	m	20.40
12.4.5	0.63 mm thick	m	20.40
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	144.70
12.5.4	0.80 mm thick	m	115.60
12.5.5	0.63 mm thick	m	115.60
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. I. limpet and bitumen washers complete. .		
12.6.1	0.80 mm thick with zinc coating not less than 275 gm/m <sup>2</sup> 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	498.60
12.6.2	0.63 mm thick with zinc coating not less than 275 gm/m <sup>2</sup>	m	429.00
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 <sup>2</sup>	m	994.30
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 <sup>3</sup>	m	352.10
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.		

## BUILDING WORK - Contd.

**12.0 Roofing**

Code No.	Description	Unit	Rate Rs.
12.9.3	0.80 mm thick with zinc coating not less than 275 gm/m <sup>2</sup>	m	460.10
12.9.4	0.63 mm thick with zinc coating not less than 275 gm/m <sup>2</sup> consider a length of 9.04 metres.	m	402.20
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	335.30
12.10.2	above 60 degree pitch	sqm	341.30
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 <sup>2</sup> for chimney stacks, skylights etc.	m	20.40
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 <sup>2</sup>	m	170.10
12.13	Extra for providing and fixing wind ties of 40x6mm flat iron section.	m	115.50
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	213.40
12.14.2	Serrated of plain wing adjustable ridges Consider a shed of 20x10 m ( external dimension at plinth)	m	282.50
12.14.3	Close fitting adjustable ridges consider a shed 20x10 metre (External dimension at plinth).	m	362.80
12.14.5	Unserrated adjustable hips consider a shed with hip as 20.2 metres.	m	282.10
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	202.30
12.15.2	Eves filler pieces	m	151.40
12.15.3	North light and ventilator curves	m	377.10
12.15.4	Barge boards	m	242.80
12.15.6	Ridge finials	pair	148.30
12.15.8	Curved barge boards for north light curves	each	264.10
12.15.9	Roof lights	each	1474.70
12.15.10	Expansion joints for ridges	each	435.20
12.15.11	Expansion joints for north light curves	each	346.10
12.15.12	S type louvers	m	136.60
12.2	Providing flat iron brackets 50x3mm size, with necessary bolts, nuts and washers etc.for fixing asbestos cement /G.S sheet gutters with purlins.	m	62.50



## BUILDING WORK - Contd.

**12.0 Roofing**

Code No.	Description	Unit	Rate Rs.
12.29	Painting top of roofs with bitumen of approved quality at 17 kg per 10m <sup>2</sup> impregnated with a coat of coarse sand at 60 cubic dm per 10m <sup>2</sup> 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	111.70
12.33	Providing and laying brick tiles of class designation 100 over mumty 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	386.10
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	483.50
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	83.80
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	141.50
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	<b>Red sand stcne slab</b>		
12.40.1.1	40 mm thick	sqm	369.30
12.40.1.2	45mm thick	sqm	385.10
12.40.1.3	50 mm thick	sqm	401.10
12.40.2	<b>White sand stone slab</b>		
12.40.2.1	40 mm thick	sqm	442.70
12.40.2.2	45 mm thick	sqm	458.50
12.40.2.3	50 mm thick	sqm	474.50
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	321.60
12.52.3	Cement mortar 1:3(1 cement:3 coarse sand)	cum	553.30

## BUILDING WORK - Contd.

**12.0 Roofing**

<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
	<b>12.52.4</b> Cement mortar 1:4 (1 cement: 4 coarse sand)	<b>cum</b>	<b>476.80</b>
<b>12.54</b>	Providing and fixing 20 mm thick wooden planks ceiling (frame work for base to be paid separately) with M.S screws:		
	<b>12.54.1</b> 2nd class teak wood	<b>sqm</b>	<b>2005.40</b>
	<b>12.54.3</b> 1st class kail wood	<b>sqm</b>	<b>907.90</b>
<b>12.55</b>	Providing and fixing insulating board ceiling of approved quality with necessary nails etc complete (frame work to be paid separately)		
	<b>12.55.1</b> <b>Natural colour insulating board</b>		
	<b>12.55.1.1</b> 12 mm thick	<b>sqm</b>	<b>513.60</b>
	<b>12.55.2</b> <b>White face insulating board</b>		
	<b>12.55.2.1</b> 12 mm thick	<b>sqm</b>	<b>626.50</b>
	<b>12.55.3</b> <b>Flame retardant face insulating board</b>		
	<b>12.55.3.1</b> 12mm thick	<b>sqm</b>	<b>575.90</b>
<b>12.56</b>	Providing and fixing hard board sheet ceiling of approved quality with necessary nails etc complete (frame work to be paid separately)		
	<b>12.56.1</b> Standard quality boards		
	<b>12.56.1.1</b> 3 mm thick	<b>sqm</b>	<b>298.40</b>
	<b>12.56.1.2</b> 4.5 mm thick	<b>sqm</b>	<b>333.10</b>
<b>12.57</b>	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).		
	<b>12.57.2</b> 12 mm thick	<b>sqm</b>	<b>589.40</b>
<b>12.58</b>	Providing and fixing plain A.C. sheet ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately):		
	<b>12.58.2</b> 6 mm thick	<b>sqm</b>	<b>379.00</b>
<b>12.59</b>	Extra for circular cutting and waste in ceiling with		
	<b>12.59.1</b> 2nd class teak wood planks 20 mm thick	<b>m</b>	<b>332.00</b>
	<b>12.59.4</b> Natural colour insulating board		
	<b>12.59.4.1</b> 12 mm thick	<b>m</b>	<b>143.90</b>
	<b>12.59.5</b> White face insulating board		
	<b>12.59.5.1</b> 12 mm thick	<b>m</b>	<b>159.50</b>
	<b>12.59.6</b> Flame retardant face insulating board		
	<b>12.59.6.1</b> 12 mm thick	<b>m</b>	<b>151.70</b>
	<b>12.59.7</b> Standard quality hard board sheet		
	<b>12.59.7.1</b> 3 mm thick	<b>m</b>	<b>118.90</b>
	<b>12.59.7.2</b> 4.5 mm thick	<b>m</b>	<b>123.20</b>
<b>12.60</b>	Extra for providing and fixing ceiling to curved surfaces in narrow widths	<b>sqm</b>	<b>98.80</b>

## BUILDING WORK - Contd.

**12.0 Roofing**

<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>12.60A</b>	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 by 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)	<b>sqm</b>	<b>592.30</b>
<b>12.60C</b>	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.	<b>sqm</b>	<b>390.40</b>
<b>12.61</b>	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)		
<b>12.61.1</b>	Flat surfaces	<b>sqm</b>	<b>652.20</b>
<b>12.61.2</b>	Curved surfaces	<b>sqm</b>	<b>728.70</b>
<b>12.62</b>	Extra for any sunk or raised moldings in the plaster of Paris (Gypsum anhydrous) ceiling	<b>sqm</b>	<b>167.50</b>
<b>12.63</b>	Extra for providing plaster of Paris (Gypsum anhydrous) ceiling above 5 metres height from floor level.	<b>sqm</b>	<b>59.90</b>
<b>12.64</b>	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).	<b>sqm</b>	<b>392.40</b>
<b>12.65</b>	Extra for providing and fixing plaster of Paris (Gypsum anhydrous) ceiling tiles beyond 5 metres height form floor level.(Height beyond 5 m to be measured for extra payment)	<b>sqm</b>	<b>28.40</b>
<b>12.67</b>	Extra for making chamfered edges of beading		
<b>12.67A</b>	Thermal Insulation of roofing with bonded mineral wool, laid over false ceiling with suitable adhesive as per directions of the Engineer -in-charge.	<b>sqm</b>	<b>249.40</b>
<b>12.67B</b>	Thermal Insulation of roofing with Expanded polystyrene fixed with suitable adhesive to the false ceiling as per the directions of the Engineer-in charge		
<b>12.67B.1</b>	With Type N-Normal	<b>sqm</b>	<b>310.00</b>
<b>12.67B.2</b>	With Type SE Self Extinguishing type	<b>sqm</b>	<b>310.00</b>

## BUILDING WORK - Contd.

**12.0 Roofing**

Code No.	Description	Unit	Rate Rs.
<b>12.68</b>	Providing and fixing 100 mm diameter and 60 cm long rain water spout in cement mortar 1:4 (1 cement :4 fine sand)		
<b>12.68.1</b>	Stone ware spout	spout	<b>70.10</b>
<b>12.68.2</b>	Cement concrete spout	spout	<b>70.10</b>
<b>12.71</b>	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.		
<b>12.71.1</b>	75 mm diameter	each	<b>100.70</b>
<b>12.71.2</b>	100 mm diameter	each	<b>98.20</b>
<b>12.71.3</b>	150 mm diameter	each	<b>104.50</b>
<b>12.73</b>	Providing lead caulked joints to sand cast iron rain water pipes and fittings:		
<b>12.73.1</b>	75 mm dia pipe	each	<b>131.80</b>
<b>12.73.2</b>	100 mm dia pipe	each	<b>169.90</b>
<b>12.73.3</b>	150 mm dia pipe	each	<b>238.80</b>
<b>12.74</b>	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):		
<b>12.74.2</b>	Sand cast iron plain shoes		
<b>12.74.2.3</b>	150 mm diameter	shoe	<b>296.80</b>
<b>12.78</b>	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.		
<b>12.78.1</b>	75 mm diameter	metre	<b>127.40</b>
<b>12.78.2</b>	110 mm diameter	metre	<b>214.20</b>
<b>12.79</b>	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.		
<b>12.79.1</b>	Coupler		
<b>12.79.1.1</b>	75 mm	each	<b>108.90</b>
<b>12.79.1.2</b>	110mm	each	<b>144.70</b>
<b>12.79.2.1</b>	Single pushfit coupler		
<b>12.79.2.1</b>	75 mm	each	<b>129.10</b>
<b>12.79.2.2</b>	110 mm	each	<b>181.20</b>
<b>12.79.3</b>	Single tee with door		
<b>12.79.3.1</b>	75x75x75 mm	each	<b>228.30</b>
<b>12.79.3.2</b>	110x110x110mm	each	<b>315.90</b>
<b>12.79.4</b>	Single tee without door		
<b>12.79.4.1</b>	75x75x75mm	each	<b>203.10</b>
<b>12.79.4.2</b>	110x110x110 mm	each	<b>265.50</b>

## BUILDING WORK - Contd.

**12.0 Roofing**

Code No.	Description	Unit	Rate Rs.
12.79.5	Band 87.5 <sup>0</sup>		
12.79.5.1	75 mm bend	each	116.50
12.79.5.2	110 mm bend	each	173.70
12.79.6	Shoe plain		
12.79.6.1	75 mm shoe	each	180.70
12.79.6.2	110m Shoe	each	314.73
12.8	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	119.80
12.80.2	110 mm	each	138.65
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	40.40
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 600 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 25x25x5 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.	each	765.50

**SUB HEAD: 13.0**  
**FINISHING WORK**

BUILDING WORK - Contd.			
<b>13.0 Finishing</b>			
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	111.30
13.11.2	1:4(1 cement :4 coarse sand)	sqm	100.30
13.11.3	1:5(1 cement: 5 coarse sand)	sqm	94.40
13.11.4	1:6(1 cement: 6 coarse sand)	sqm	89.30
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	129.50
13.12.2	1:4(1 cement: 4 coarse sand )	sqm	116.30
13.12.3	1:5 (1 cement: 5 coarse sand)	sqm	109.30
13.12.4	1:6 (1 cement: 6 coarse sand)	sqm	103.20
13.13	20 mm cement plaster of mix ;		
13.13.1	1:3 (1 cement: 3 coarse sand)	sqm	157.70
13.13.2	1: 4(1 cement: 4 coarse sand)	sqm	140.60
13.13.3	1:5(1 cement: 5 coarse sand)	sqm	131.40
13.13.4	1:6(1 cement: 6 coarse sand)	sqm	123.50
13.14	12 mm lime plaster of mix:		
13.14.1	1:1:1 (1 lime putty:1 surkhi:1sand )	sqm	95.50
13.14.2	1:1:2(1 limeputty :1surkhi:2 sand)	sqm	88.90
13.14.3	1:2(1 lime: 2surkhi)	sqm	107.40
13.14.4	1:3(1lime putty: 3surkhi)	sqm	106.70
	<b>CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT</b>		
13.17.1	12 mm cement plaster 1:3( 1 cement: 3 coarse sand) finished with a floating coat of near cement	sqm	138.00
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	127.00
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	156.20
13.19	18 mm cement plaster in two coat under layer 12 mm thick cement plaster 1:5 (1 cement: 5 course sand) and a top layer 6mm thick cement plaster 1:3(1 cement: 3 coarse sand) finished rough with sponge	sqm	138.90
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	148.30
13.24	6 mm cement plaster to ceiling of mix :		
13.24.1	1:3(1 cement: 3 coarse sand)	sqm	82.90
13.24.2	1:4(1 cement: 4 coarse sand)	sqm	77.40
13.26	Neat cement punning	sqm	27.90

BUILDING WORK - Contd.			
<b>13.0 Finishing</b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>13.30</b>	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 ground hydrated lime by volume of cement:		
	<b>13.30.1</b> Ordinary cement finish using ordinary cement	sqm	252.30
<b>13.31</b>	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 ground hydrated lime by volume of cement:		
	<b>13.31.1</b> Ordinary cement finish using ordinary cement	sqm	246.40
<b>13.32</b>	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 ground hydrated lime by volume of cement	sqm	240.50
<b>13.36</b>	Extra for providing and mixing water proofing material in proportion recommended by the manufacturers:		
	<b>13.36.1</b> 12 mm cement plaster 1:3(1 cement :3 sand)	sqm	7.50
	<b>13.36.2</b> 12 mm cement plaster 1:4(1 cement :4 sand)	sqm	6.00
	<b>13.36.3</b> 15 mm cement plaster 1:3(1 cement :3 sand)	sqm	8.70
	<b>13.36.4</b> 15 mm cement plaster 1:4(1 cement :4 sand)	sqm	6.80
	<b>13.36.5</b> 20 mm cement plaster 1:3(1 cement:3 sand)	sqm	10.80
	<b>13.36.6</b> 20 mm cement plaster 1:4(1 cement: 4 sand)	sqm	8.50
<b>13.37</b>	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	27.50
<b>13.38</b>	Extra for plastering on circular work not exceeding 6 m in radius :		
	<b>13.38.1</b> In one coat	sqm	11.10
	<b>13.38.2</b> In two coats	sqm	15.90
<b>13.39</b>	Extra for plastering done on moulding cornices or architraves including neat finish to line and level:		
	<b>13.39.1</b> In one coat	sqm	153.30
	<b>13.39.2</b> In two coats	sqm	251.90
<b>13.40</b>	Extra for plastering:		



BUILDING WORK - Contd.				
<b>13.0 Finishing</b>				
Code No.	Description		Unit	Rate Rs.
	13.40.1	Spherical ceiling	sqm	41.30
	13.40.2	Groined ceiling	sqm	45.50
	13.40.3	Flewing soffits	sqm	26.70
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	76.80
13.45	<b>Finishing walls with textured exterior paint of required shade :</b>			
	13.45.1	<b>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</b>	sqm	122.00
13.46	<b>Finishing walls with Acrylic Smooth exterior paint of required shade :</b>			
	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	68.8
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	sqm	81.7
13.48	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers			
	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	79.4
	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	67.3
	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	24.3
13.48.4	Extra for lining out plaster to imitate stone or concrete blocks walling		sqm	24.3
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	1.90

BUILDING WORK - Contd.				
<b>13.0 Finishing</b>				
Code No.	Description		Unit	Rate Rs.
	13.50.2	Sunk Band	1m long & 1cm wide	2.10
	13.50.3	Raised Band	1m long & 1cm wide	2.30
	13.50.4	Molded Band	1m long & 1cm wide	3.70
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	2.30
	13.51-2	Sunk Band	1m long & 1cm wide	2.50
	13.51.3	Raised Band	1m long & 1cm wide	2.90
	13.51.4	Molded Band	1m long & 1cm wide	5.10
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	5.00
13.56	Pointing on brick work with cement mortar 1:3(1 cement:3 coarse sand):			
	13.56.1	Flush pointing	sqm	64.50
	13.56.2	Ruled pointing	sqm	68.50
	13.56.3	Struck or weathered pointing	sqm	82.10
	13.56.4	Raised and cut pointing	sqm	103.20
13.57	Pointing on brick flooring with cement mortar 1:3(1 cement:3 coarse sand):			
	13.57.1	Flush pointing	sqm	53.90
	13.57.2	Ruled pointing	sqm	58.20
13.58	Pointing on brick flooring with cement mortar 1:4(1 cement :4 coarse sand):			
	13.58.1	Flush pointing	sqm	53.30
	13.58.2	Ruled pointing	sqm	53.60
13.63	Pointing on tile brick work with cement mortar 1:3(1 cement :3 coarse sand):			
	13.63.1	Flush pointing	sqm	85.00
	13.63.2	Ruled pointing	sqm	88.60

BUILDING WORK - Contd.				
<b>13.0 Finishing</b>				
<b>Code No.</b>	<b>Description</b>		<b>Unit</b>	<b>Rate Rs.</b>
	<b>13.63.3</b>	Struck or weathered pointing	sqm	102.70
<b>13.64</b>	Pointing on stone work with cement mortar 1:3(1 cement:3 fine sand):			
	<b>13.64.1</b>	Flush pointing	sqm	87.80
	<b>13.64.2</b>	Ruled pointing	sqm	94.10
	<b>13.64.3</b>	Raised and cut pointing	sqm	159.40
<b>13.68</b>	Pointing on stone slab ceiling with cement mortar 1:2 (1 cement :2 coarse sand):			
	<b>13.68.1</b>	Flush pointing	sqm	50.40
	<b>13.68.2</b>	Ruled pointing	sqm	53.50
<b>13.69</b>	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	5.70
<b>13.70</b>	White washing with lime to give an ever shade			
	<b>13.70.1</b>	New work (three or more coats)	sqm	11.70
	<b>13.70.2</b>	Old work (two or more coats)	sqm	6.40
	<b>13.70.3</b>	Old work (one or more coats)	sqm	3.70
<b>13.71</b>	Satna lime wash on wads one coat		sqm	4.30
<b>13.72</b>	White washing with whiting to give an even shade :			
	<b>13.72.1</b>	New work (three or more goats)	sqm	10.30
	<b>13.72.2</b>	Old work (two or more coats)	sqm	6.20
	<b>13.72.3</b>	Old work (one or more coats)	sqm	3.70
<b>13.73</b>	Colour washing such as green, blue or buff to give an even shade			
	<b>13.73.1</b>	New work (two or more coats) with a base coat of white washing	sqm	15.80
	<b>13.73.2</b>	New work (two or more coats) with a base coat of w	sqm	15.50
	<b>13.73.3</b>	Old work (two or more coats) with lime	sqm	8.20
	<b>13.73.4</b>	Old work (two or more coats) with whiting	sqm	8.10
	<b>13.73.5</b>	Old work ( one or more coats ) with lime	sqm	4.60
	<b>13.73.6</b>	Old work (one or more coats ) with whiting	sqm	4.60
<b>13.74</b>	Removing white or colour wash by scrapping and sand paper in and preparing the surface smooth including necessary repair scratches etc. complete		sqm	4.20
<b>13.75</b>	Distempering 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 whiting to give an even shade.		sqm	42.40
<b>13.76</b>	Distempering 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	19.20

BUILDING WORK - Contd.			
<b>13.0 Finishing</b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>13.77</b>	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade .		
<b>13.77.2</b>	New work (two or more coats ) over and including priming coat with cement primer	sqm	64.00
<b>13-77.3</b>	Old work (one or more coats)	sqm	20.20
<b>13.77A</b>	Distemping with 1st quality washable distemper (ready made ) of approved manufacturer and of required shade and colour complete. As per manufacture's specifications.		
<b>13.77A.1</b>	Two or more coats on new work	sqm	34.70
<b>13.77A.2</b>	One or more coats on old work	sqm	21.70
<b>13.78</b>	Applying one coat of cement primer of approved brand <b>and</b> manufacture on wall surface:		
13.78.1	Cement primer	sqm	24.90
13.78.2	Distemper primer	sqm	26.10
<b>13.79</b>	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	60.50
13.79.2	Old work (one or more coats)	sqm	39.90
<b>13.80</b>	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches etc. Gmplete	sqm	5.40
<b>13.80 A.1</b>	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	76.40
<b>13.80 A.2</b>	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	118.70
<b>13.81 A</b>	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.		
	<b>13.81.1 A</b> One coat	sqm	20.00
	<b>13.81.2B</b> Two coats	sqm	31.50
<b>13.81</b>	Applying priming coat:		
	<b>13.81.1</b> With ready mixed pink or grey primer of approved brand and manufacture <i>on</i> wood work (hard and softwood)	sqm	25.20

BUILDING WORK - Contd.				
<b>13.0 Finishing</b>				
<b>Code No.</b>	<b>Description</b>		<b>Unit</b>	<b>Rate Rs.</b>
	<b>13.81.2</b>	with ready mixed aluminum primer of approved brand and manufacture on resinous wood and plywood.	sqm	26.20
	<b>13.81.3</b>	With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	sqm	21.30
	<b>13.81.4</b>	With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel work (second coat)	sqm	12.20
<b>13.82</b>	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade:			
	<b>13.82.1</b>	New steel work (two or more coats)	sqm	60.70
	<b>13.82.2</b>	New wood work (two or more coats)	sqm	60.70
	<b>13.82.3</b>	Old steel work (one or more coats)	sqm	38.70
	<b>13.82.4</b>	Old wood work (one more coats)	sqm	38.70
	<b>13.82.A</b>	Painting one thin coat with white lead of approved brand and manufacture on wet or patchy portion of plastered surfaces.	sqm	33.40
	<b>13.82B</b>	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.		
	<b>13.82B.1</b>	On steel work	sqm	89.80
	<b>13.82B.2</b>	On concrete work	sqm	91.40
<b>13.83</b>	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:			
	<b>13.83.1</b>	New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	sqm	53.80
	<b>13.83.A</b>	Applying a coat of mordant paint on G.S. sheet.		
	<b>13.83A.1</b>	1 With a solution of 38 gms of copper acetate in a litre of soft water	sqm	12.40
	<b>13.83.A.2</b>	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	12.40
<b>13.84</b>	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:			

BUILDING WORK - Contd.				
<b>13.0 Finishing</b>				
Code No.	Description		Unit	Rate Rs.
	<b>13.84.1</b>	50 mm diameter pipes	sqm	11.40
	<b>13.84.2</b>	75 mm diameter pipes	sqm	16.20
	<b>13.84.3</b>	100 mm diameter pipes	sqm	21.50
	<b>13.84.4</b>	150 mm diameter pipes	sqm	32.10
<b>13.85</b>	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:			
	<b>13.85.1</b>	50 mm diameter pipes	sqm	5.20
	<b>13.85.2</b>	75mm diameter pipes	sqm	7.30
	<b>13.85.3</b>	100 mm diameter pipes	metre	9.70
	<b>13.85.4</b>	150 mm diameter pipes	metre	14.00
<b>13.86</b>	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.			
	<b>13.86.1</b>	50 mm diameter pipes	metre	12.20
	<b>13.86.2</b>	75 mm diameter pipes	metre	17.00
	<b>13.86.3</b>	100 mm diameter pipes	metre	22.60
	<b>13.86.4</b>	150 mm diameter pipes	metre	33.70
<b>13.87</b>	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:			
	<b>13.87.1</b>	50 mm diameter pipes	metre	5.40
	<b>13.87.2</b>	75 mm diameter pipes	metre	7.80
	<b>13.87.3</b>	100 mm diameter pipes	metre	10.10
	<b>13.87.4</b>	150 mm diameter pipes	metre	14.60
<b>13.88</b>	Painting with oil type wood preservative of approved brand and manufacture:			
	<b>13.88.1</b>	New work (two or more coats)	sqm	18.40
	<b>13.88.2</b>	Old work(one or more coats)	sqm	14.20
<b>13.88 A</b>	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	214.60
<b>13.89</b>	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	23.80
<b>13.92</b>	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:			
	<b>13.92.1</b>	Two or more coats on new work	sqm	56.80
	<b>13.92.2</b>	One or more coats on old work	sqm	36.40

BUILDING WORK - Contd.				
<b>13.0 Finishing</b>				
<b>Code No.</b>	<b>Description</b>		<b>Unit</b>	<b>Rate Rs.</b>
<b>13.93</b>	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:			
	<b>13.93.1</b>	Two or more coats on new work	sqm	50.90
	<b>13.93.2</b>	One or more coats on old work.	sqm	29.90
<b>13.94</b>	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:			
	<b>13.94.1</b>	Two or more coats on new work over an under coat of suitable shade with ordinary pain <sup>+</sup> of approved brand and manufacture	sqm	70.40
<b>13.95</b>	Painting with aluminum paint of approved brand and manufacture to give an even shade.			
	<b>13.95.1</b>	Two or more coats on new work	sqm	42.50
	<b>13.95.2</b>	One or more coats on old work.	sqm	27.10
<b>13.96</b>	Painting with acid proof paint of approved brand and manufacture of required colour to give an even shade:			
	<b>13.96.1</b>	Two or more coats on new work.	sqm	51.00
	<b>13.96.2</b>	One or more coats on old work.	sqm	32.80
<b>13.97</b>	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade:			
	<b>13.97.1</b>	Two or more coats on new work	sqm	39.30
	<b>13.97.2</b>	One or more coats on old work.	sqm	25.80
<b>13.98</b>	Floor painting with floor enamel paint of approved brand and manufacture of required colour to give an even shade:			
	<b>13.98.1</b>	Two or more coats on new work.	sqm	51.40
	<b>13.98.2</b>	One or more coats on ole work.	sqm	33.20
<b>13.1</b>	Varnishing with varnish of approved brand and manufacture:			
	<b>13.100.1</b>	Two or more coats of glue sizing with copal varnish over an under coat of flatting varnish.	sqm	72.70
	<b>13.100.3</b>	One or more coats with copal varnish.	sqm	30.20
	<b>13.100.4</b>	Two more coats glue sizing with spar varnish or an under coat of flatting varnish.	sqm	73.90
	<b>13.100.6</b>	<b>One or more coats with sprit varnish.</b>	sqm	30.80
<b>13.101</b>	French spirit polishing:			
	<b>13.101.1</b>	Two or more coats on works including a coat of wood filler.	sqm	123.90
	<b>13.101.2</b>	One or more coats on old work.	sqm	63.70
<b>13.104</b>	Polishing on wood work with ready made wax polish of approved brand and manufacture:			
	<b>13.104.1</b>	New work	sqm	54.00

BUILDING WORK - Contd.				
<b>13.0 Finishing</b>				
<b>Code No.</b>	<b>Description</b>		<b>Unit</b>	<b>Rate Rs.</b>
	<b>13.104.2</b>	Old work	sqm	27.30
<b>13.105</b>	Floor polishing on masonry or concrete floors with wax polish off approved brand and manufacture.		sqm	23.80
<b>13.106</b>	Lettering with black Japan paint of approved brand and manufacture		1 letter of 1cm high	1.50
<b>13.107</b>	Re-lettering with black Japan paint of approved brand and manufacture.		1 fetter of 1cm high	1.00
<b>13.112</b>	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	330.30
<b>13.113</b>	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.			
	<b>13.113.1</b>	15 mm wide and 15 mm deep groove	metre	18.00
	<b>13.113.2</b>	20 mm wide and 15 mm deep groove	metre	18.50
<b>13.114</b>	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	38.90
<b>13.115</b>	Extra for washed stone grit plaster on circular work not exceeding 6m in radius (in coats).		sqm	29.90
<b>13.116</b>	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	32.70
<b>13.117</b>	Extra for using white cement in place of ordinary cement in the top layer of the item washed stone grit plaster.		sqm	117.50



**SUB HEAD: 14.0**

**Repairs to Buildings**

## BUILDING WORK - Contd.

<b>14.0 Repairs to buildings</b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>14.1</b>	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.		
<b>14.1.2</b>	With cement mortar 1:4(1 cement:4 coarse sand)	<b>sqm</b>	<b>150.10</b>
<b>14.2</b>	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.		
<b>14.2.1</b>	Door chowkhats	<b>each chowkhat</b>	<b>485.10</b>
<b>14.2.2</b>	Window chokhats	<b>each chowkhat</b>	<b>283.50</b>
<b>14.2.3</b>	Clerestory window chowkhats	<b>each chowkhat</b>	<b>210.90</b>
<b>14.3</b>	Making opening in brick masonry including dismantling, fixing chowkhats 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 to sides of chowkhat and making good the damages to walls and floors complete to match the existing surface.		
<b>14.3.1</b>	For door	<b>each chowkhat</b>	<b>607.80</b>
<b>14.3.2</b>	For window	<b>each chowkhat</b>	<b>403.30</b>
<b>14.3.3</b>	For clerestory window	<b>each chowkhat</b>	<b>254.70</b>
<b>14.4</b>	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:		
<b>14.4.1</b>	2nd class teak wood cleats with brass hinges and screws	<b>each</b>	<b>66.70</b>
<b>14.4.3</b>	Sal wood cleats with brass with brass hinges and screws	<b>each</b>	<b>60.00</b>
<b>14.4.5</b>	Kind class teak wood cleats with iron hidings and screws	<b>each</b>	<b>48.20</b>
<b>14.4.7</b>	Sal wood cleats with iron hinges and screws	<b>each</b>	<b>41.50</b>
<b>14.4.8</b>	1st class kail wood cleats with iron hinges and screws	<b>each</b>	<b>29.00</b>
<b>14.4.9</b>	2nd class kail wood cleats with iron hinges and screws	<b>each</b>	<b>29.00</b>
<b>14.5</b>	Renewing glass panes, with putty and nails wherever necessary:		
<b>14.5.2</b>	Float glass panes weighing 10 kg/m <sup>2</sup> (4mm thick glass)	<b>sqm</b>	<b>621.60</b>
<b>14.5.3</b>	Float glass panes weighing 13.75 kg/m <sup>2</sup> (5.5mm thick glass)	<b>sqm</b>	<b>857.10</b>

## BUILDING WORK - Contd.

<b>14.0 Repairs to buildings</b>				
Code No.	Description		Unit	Rate Rs.
14.6	Renewing glass, with wooden fillets wherever necessary:			
	14.6.2	Float glass panes weighing 10kg/m <sup>2</sup> (4mm thick)	sqm	705.80
	14.6.3	Float glass panes weighing 13.75kg/m <sup>2</sup> (5.5mm thick)	sqm	968.00
14.7	Renewing galss panes and re fixing existing wooden fillets:			
	14.7.2	Float glass panes weighing 10 kg/m <sup>2</sup> (4mm thick)	sqm	611.30
	14.7.3	Float glass panes weighing 13.75kg/m <sup>2</sup> (5.5 mm thick)	sqm	846.80
14.8	Supplying and fixing new wooden fillets wherever necessary			
	14.8.1	Second class teak wood fillets	sqm	23.90
	14.8.3	Hollock wood fillets	sqm	19.10
14.9	Renewal of old putty of glass panes (length)		metre	13.30
14.10	Refixing old glass panes with putty and nails		sqm	17.30
14.11	Fixing old glass panes with wooden fillets (excluding cost of fillets)		sqm	142.70
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 ad painting exposed portion of the clamps complete		each	180.80
14.14	Replacing sand stone slabs in roofing laid in cement mortar 1:4 (1 cement:4 coarse sand) including necessary repairs and cement pointing with same mortar complete including disposal of rubbish to dumping ground within 50 metres lead:			
-	<b>RED SAND STONE</b>			
	14.14.1	30 to 40 mm thick	sqm	361.00
	14.14.2	45 mm thick	sqm	394.60
	14.14.3	50 mm thick	sqm	411.90
-	<b>WHITE SAND STONE</b>			
	14.14.4	30 TO 40mm thick	sqm	388.70
	14.14.5	45 mm thick	sqm	468.00
	14.14.6	50 mm thick	sqm	395.20
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	69293.50
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	74541.40
	14.19.1.4	Hollock wood beams	cum	49237.60
	14.19.2	Above 4.00 metres and upto 5.00 metres length		

## BUILDING WORK - Contd.

<b>14.0 Repairs to buildings</b>				
<b>Code No.</b>	<b>Description</b>		<b>Unit</b>	<b>Rate Rs.</b>
	<b>14.19.2.1</b>	Sal wood beams	<b>cum</b>	<b>75838.10</b>
	<b>14.19.2.4</b>	Hollock wood beams	<b>cum</b>	<b>75592.50</b>
<b>14.21</b>	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		<b>sqm</b>	<b>15.10</b>
<b>14.29</b>	Taking out wind ties from roof including cutting out rusted bolts, nuts etc, and removing materials to any distance within compound and stacking.		<b>Kg</b>	<b>0.50</b>
<b>14.30</b>	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.		<b>metre</b>	<b>63.40</b>
<b>14.31</b>	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		<b>kg</b>	<b>82.20</b>

**SUB HEAD: 15.0**

**Dismantling and demolishing**

## BUILDING WORK - Contd.

**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	180.00
15.2	Demolishing cement concrete including disposal of material within 50 metre lead:		
15.2.1	1:3:6 or richer mix	cum	511.00
15.2.2	1:4:8 or leaner mix	cum	316.70
15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metres lead:	cum	741.60
15.4	Demolishing R.B. work including stacking of steel bars and disposal of unserviceable material within 50 metres lead:	cum	666.30
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	249.70
15.6	Extra for scrapping, cleaning and straightening reinforcement from R.C.C. or R.B. work.	kg	1.90
15.7	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 meters lead:		
15.7.1	In mud mortar	cum	149.80
15.7.2	In lime mortar with old mugal bricks	cum	373.20
15.7.3	In lime mortar	cum	180.00
15.7.4	In cement mortar	cum	435.70
15.8	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50m (stacks of cleaned bricks shall be measured):		
15.8.1	From brick work in mud mortar	cum	988.30
15.8.3	From brick work in lime mortar	cum	1139.70
15.8.1	From brick work in cement mortar	cum	1427.90
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	244.80
15.9.2	In cement mortar	cum	519.50
15.1	Demolishing dressed stone work ashlar face stone work, marble work or precast concrete work including stacking of serviceable and disposal of unserviceable material within 50 metres lead:		
15.10.1	In lime mortar	cum	309.40
15.10.2	In cement mortar	cum	607.60
15.11	Removing mortar from stones and cleaning stones and concrete articles (net quantity of stacks of cleaned materials will be measured)		
15.11.1	In lime mortar	cum	102.19
15.11.2	In cement mortar	cum	145.70

## BUILDING WORK - Contd.

**15.0 Dismantling and demolishing**

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	79.30
	15.12.2 Of area beyond 3 sqm	each	108.50
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	30.80
	15.13.2 Of area beyond 3 sqm	each	40.60
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	965.90
	15.14.2 Of sectional area below 40cm <sup>2</sup>	m	3.90
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 <sup>2</sup> and above	metre span	128.10
	15.15.2 Of sectional area below 40 cm <sup>2</sup>	meter span	0.40
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	184.30
	15.16.2 Of sectional area below 40 square centimeters	m	0.70
15.17	Dismantling steel work in single sections including dismembering and stacking within 50 meters lead in:		
	15.17.1 R.S. Joists	kg	0.70
	15.17.2 Channels.angles, tees and flats	kg	0.50
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	1.20
15.19	Dismantling steel work in built up sections without dismembering and stacking within 50 metres lead	kg	0.80
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	0.90

BUILDING WORK - Contd.

**15.0 Dismantling and demolishing**

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	16.10
	15.23.2 For thickness of tiles above 25 mm and upto 40 mm	sqm	25.00
15.24	Demolishing dry brick pitching in floors, drains etc. including stacking serviceable material and disposal of unserviceable material within 50 metres lead.	cum	283.80
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	55.90
15.26	Demolishing brick tile covering in terracing including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	sqm	23.20
15.27	Demolishing mud phaska in terracing and disposal of material within 50 metres lead	cum	195.90
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	35.20
	15.28.2 Asbestos sheet	sqm	16.50
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	559.40
15.3	Dismantling jack arch roofing and floors including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	sqm	53.90
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	43.70
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	12.00
15.33	Dismantling wooden bailies in posts and struts including stacking within 50 metres lead	m	4.40
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 'I.' iron or pipe	each	50.70
	15.34.2 R. C. C.	each	54.67
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	3.40
15.36	Dis nantling barbed wire or flexible rope in fencing including making roll;; and stacking within 50 metres lead.	kg	7.60



## BUILDING WORK - Contd.

**15.0 Dismantling and demolishing**

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	13.90
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	16.10
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	13.20
15.39.2	Thickness above 10 mm upto 25 mm	sqm	16.90
15.39.3	Thickness above 25 mm upto 40 mm	sqm	19.60
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	60.90
15.40.2	Thickness above 40 mm upto 75 mm	sqm	91.20
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	12.10
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	16.00
15.42.2	100 mm dia pipe	m	16.50
15.42.3	150 mm dia pipe	m	17.00
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	46.00
15.43.2	Bituminous road	sqm	90.40
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	90.80
15.45.2	Above 150 mm dia upto 300 mm dia	m	125.90
15.45.3	Above 300 mm diameter	m	164.90
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	163.80
15.46.2	Above 600 mm diameter	m	408.60

BUILDING WORK - Contd.

**15.0 Dismantling and demolishing**

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	68.50
	15.47.2 Above 150 mm diameter	m	83.20
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	145.10
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	84.80
15.5	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	949.50
15.51	Dismantling of 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	198.90
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	197.10
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	70.20
	15.53.L Above 150 mm diameter	nos	257.30
15.54	Dismantling of spindle fire hydrant including stacking of useful materials within 50 metres lead	nos	157.20
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	227.80
	15.55.2 210x120 cm (outside to outside)	nos	349.40
	15.55.3 320x120 cm (outside to outside)	nos	494.60

BUILDING WORK - Contd.

**15.0 Dismantling and demolishing**

<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>15.56</b>	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.	<b>sqm</b>	<b>11.30</b>
<b>15.57</b>	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.	<b>sqm</b>	<b>12.10</b>
<b>BARRICADING WORK</b>			
<b>15.58</b>	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.	<b>Per m</b>	<b>134.80</b>

**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	3035.40
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	6838.50
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	2953.50
17.2.2	W.C. pan with ISI marked black solid plastic seat and lid	each	2928.30
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	4470.30
17.3.2	W.C. pan with ISI marked black solid plastic seat and lid	each	4445.10
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	2854.40
17.4.2	Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern	each	4688.90
17.4.3	Range of three urinal basins with 10litre white P.V.C. automatic flushing cistern	each	6196.80
17.4.4	Range of four urinal basins with 10 litre white P.V.C. automatic flushing cistern	each	8560.90

<b>17.5</b>	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	5396.60
17.5.2	Range of two half stall urinals with 5 litre P.V.C. automatic flushing cistern	each	8610.90
17.5.3	Range of three half stall urinals with 10 litre P.V.C. automatic flushing cistern	each	11494.70
17.5.4	Range of four half stall urinals with 10 litre P.V.C. automatic flushing cistern	each	14236.50
<b>17.6</b>	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. / PVCflush 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	3392.30
17.6.2	Range of two squatting plates with 5 litre P.V.C. automatic flushing cistern	each	<b>5027.50</b>
17.6.3	Range of three squatting plates with 10 litre P.V.C. automatic flushing cistern	each	<b>6686.60</b>
17.6.4	Range of four squatting plates with 10 litre P.V.C. automatic flushing cistern	each	<b>8202.50</b>
<b>17.7</b>	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	<b>each</b>	<b>2120.30</b>
17.7.2	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	<b>each</b>	1838.20
17.7.3	White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	<b>each</b>	1899.90
17.7.4	White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	<b>each</b>	1617.90
17.7.5	White Vitreous China Angle back wash basin size 600x480 mm with single 15 mm C.P. brass pillar tap	<b>each</b>	1838.20
17.7.6	White Vitreous China Angle back wash basin size 400x400 mm with single 15 mm C.P. brass pillar tap	<b>each</b>	1460.40

	17.7.7	White Vitreous China Flat back wash basin size 450x300 mm with single 15 mm C.P. brass pillar tap	each	1460.40
	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	3826.60
	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	2927.50
	17.7.10	Stainless Steel AISI-304(18/8) Round basin 405x355 mm with single 15 mm C.P. brass pillar	each	3255.00
	17.7.11	Stainless Steel AISI-304(18/8) Wash basin 530x345 mm with single 15 mm C.P. brass pillar tap	each	3003.10
<b>17.8</b>	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.		each	1053.90
<b>17.9</b>	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	2391.20
<b>17.10</b>	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	7269.20
	17.10.1.2	510x1040 mm bowl depth 225 mm	each	6973.20
	17.10.1.3	510x1040 mm bowl depth 200 mm	each	6091.70
	17.10.1.4	510x1040 mm bowl depth 178 mm	each	4517.50
<b>17.10.2</b>	Kitchen sink without drain board			
	17.10.2.1	610x510 mm bowl depth 200 mm	each	4497.90
	17.10.2.2	610x460 mm bowl depth 200 mm	each	4069.70
	17.10.2.3	470x420 mm bowl depth 178 mm	each	3156.70
<b>17.11</b>	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	2158.20
	17.11.2	Size 600x450x200 mm	each	3046.00
<b>17.12</b>	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	997.00
<b>17.13</b>	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	879.30
	17.13.2	Orissa pattern W.C. pan of size 580x440 mm	each	1294.90
<b>17.14</b>	Extra for using coloured W.C. pan instead of white W.C. pan :			
	17.14.1	Orissa pattern W.C. pan 580x440 mm	each	680.00
<b>17.15</b>	Providing and fixing white vitreous china pedestal type (European type/ wash down type) water closet pan.			each 1194.10
<b>17.16</b>	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 1567.90
<b>17.17</b>	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	160.80
	17.17.2	250x125x25 mm	pair	160.80
<b>17.18</b>	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	881.30
	17.18.2	10 litre capacity - coloured	each	941.90
<b>17.19</b>	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	1513.60
	17.19.2	10 litre (full flush) capacity-coloured	each	2174.80
<b>17.20</b>	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	444.20
	17.20.2	Black solid plastic seat with lid	each	419.00
	17.20.3	Coloured (other than black & white) solid plastic seat with lid	each	721.20
<b>17.21</b>	<b>Deleted.</b>			
<b>17.22</b>	Providing and fixing G.I. inlet connection for flush pipe connecting with W.C. pan.			each 110.40
<b>17.23</b>	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 794.80
<b>17.24</b>	Providing and fixing white vitreous china squatting plate urinal with integral rim longitudinal flush pipe.			each 1520.80
<b>17.25</b>	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	1048.20
	17.25.2	Flat back wash basin of size 550x400 mm	each	827.80
	17.25.3	Angle back wash basin of size 600x480 mm	each	1048.20
	17.25.4	Angle back wash basin of size 400x400 mm	each	670.40
	17.25.5	Flat back wash basin of size 450x300 mm	each	670.40
	17.25.6	Surgeon type wash basin of size 660x460 mm	each	1520.40
<b>17.26</b>	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	1809.40
<b>17.27</b>	Providing and fixing white vitreous china laboratory sink including making all connections excluding cost of fittings :			
	17.27.1	Size 450x300x150 mm	each	1142.00
	17.27.2	Size 600x450x200 mm	each	2029.80



<b>17.28</b>	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	81.10
	17.28.1.2	40 mm dia	each	87.40
	17.28.2	Flexible pipe		
	17.28.2.1	32 mm dia	each	78.60
	17.28.2.2	40 mm dia	each	81.10
<b>17.29</b>	Providing and fixing 100 mm sand cast Iron grating for gully		each	31.50
<b>17.30</b>	Providing and fixing in position 25 mm diameter mosquito proof coupling of approved municipal design.		each	41.70
<b>17.31</b>	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	694.40
<b>17.32</b>	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			
	17.32.1	Circular shape 450 mm dia	each	812.90
	17.32.2	Rectangular shape 453x357 mm	each	643.40
	17.32.3	Oval shape 450x350 mm (outer dimensions)	each	704.10
	17.32.4	Rectangular shape 1500x450 mm	each	1298.70
<b>17.33</b>	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	478.30
<b>17.34</b>	Providing and fixing toilet paper holder :			
	17.34.1	C.P. brass	each	318.10
	17.34.2	Vitreous china	each	304.20
<b>17.35</b>	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	912.30
	17.35.1.2	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	metre	1017.70
	17.35.2	75 mm diameter :		
	17.35.2.1	Sand cast iron S&S pipe as per IS: 1729	metre	752.90
	17.35.2.2	Centrifugally cast (spun) iron socketed pipe as per IS: 3989	metre	795.60
<b>17.36</b>	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.			
	17.36.1	75 mm dia pipe	each	39.60
	17.36.2	100 mm dia pipe	each	46.70
<b>17.37</b>	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	100.90
	17.37.2	For 75 mm dia pipe	each	98.30

<b>17.38</b>	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	368.90
	17.38.1.2	Sand cast iron S&S as per IS - 3989	each	416.70
	17.38.2	75 mm dia		
	17.38.2.1	Sand cast iron S&S as per IS - 1729	each	293.80
	17.38.2.2	Sand cast iron S&S as per IS- 3989	each	344.20
<b>17.39</b>	<b>Providing and fixing plain bend of required degree.</b>			
	17.39.1	100 mm dia		
	17.39.1.1	Sand cast iron S&S as per IS - 1729	each	469.60
	17.39.1.2	Sand cast iron S&S as per IS : 3989	each	362.60
	17.39.2	75 mm dia		
	17.39.2.1	Sand cast iron S&S as per IS -1729	each	237.10
	17.39.2.2	Sand cast iron S&S as per IS - 3989	each	268.60
<b>17.40</b>	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	343.70
	17.40.1.2	Sand cast iron S&S as per IS - 3989	each	401.60
	17.40.2	75 mm dia		
	17.40.2.1	Sand cast iron S&S as per IS - 1729	each	300.10
	17.40.2.2	Sand cast iron S&S as per IS - 3989	each	337.90
<b>17.41</b>	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	743.90
	17.41.1.2	Sand cast iron S&S as per IS - 3989	each	825.70
	17.41.2	75x75x75x75 mm		
	17.41.2.1	Sand cast iron S&S as per IS - 1729	each	577.10
	17.41.2.2	Sand cast iron S&S as per IS - 3989	each	646.40
<b>17.42</b>	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	683.70
	17.42.1.2	Sand cast iron S&S as per IS - 3989	each	809.60
	17.42.2	75x75x75x75 mm		
	17.42.2.1	Sand cast iron S&S as per IS - 1729	each	458.80
	17.42.2.2	Sand cast iron S&S as per IS - 3989	each	604.80
<b>17.43</b>	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	525.00
	17.43.1.2	Sand cast iron S&S as per IS - 3989	each	674.90
	17.43.2	75x75x75 mm		
	17.43.2.1	Sand cast iron S&S as per IS - 1729	each	392.00
	17.43.2.2	Sand cast iron S&S as per IS - 3989	each	511.70
<b>17.44</b>	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	595.60
	17.44.1.2	Sand cast iron S&S as per IS - 3989	each	623.30
	17.44.2	75x75x75 mm		
	17.44.2.1	Sand cast iron S&S as per IS - 1729	each	356.80
	17.44.2.2	Sand cast iron S&S as per IS - 3989	each	438.60

<b>17.45</b>	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	744.20
	17.45.1.2	Sand cast iron S&S as per IS - 3989	each	1122.00
<b>17.46</b>	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	721.50
	17.46.1.2	Sand cast iron S&S as per IS - 3989	each	1036.30
<b>17.47</b>	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	555.30
	17.47.1.2	Sand cast iron S&S as per IS - 3989	each	857.50
<b>17.48</b>	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	494.80
	17.48.1.2	Sand cast iron S&S as per IS - 3989	each	746.70
<b>17.49</b>	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	721.50
	17.49.1.2	Sand cast iron S&S as per IS 3989	each	696.30
	17.49.2	75x75x75x75 mm		
	17.49.2.1	Sand cast iron S&S as per IS - 1729	each	539.40
	17.49.2.2	Sand cast iron S&S as per IS - 3989	each	558.20
<b>17.50</b>	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	545.20
	17.50.1.2	Sand cast iron S&S as per IS - 3989	each	564.10
	17.50.2	75x75x75 mm		
	17.50.2.1	Sand cast iron S&S as per IS - 1729	each	426.00
	17.50.2.2	Sand cast iron S&S as per IS - 3989	each	429.80
<b>17.51</b>	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	746.70
	17.51.1.2	Sand cast iron S&S as per IS - 3989	each	941.90
<b>17.52</b>	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	652.20
	17.52.1.2	Sand cast iron S&S as per IS - 3989	each	715.20
<b>17.53</b>	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	297.60
	17.53.1.2	With 100 mm dia pipe	each	480.20
	17.53.2	114 mm off sets		
	17.53.2.1	With 75 mm dia pipe	each	406.70
	17.53.2.2	With 100 mm dia pipe	each	511.20
	17.53.3	152 mm off sets		

	17.53.3.1	With 75 mm dia pipe	each	489.10
	17.53.3.2	With 100 mm dia pipe	each	623.90
<b>17.54</b>	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	306.40
	17.54.2	150 mm off sets		
	17.54.2.1	With 75 mm dia pipe	each	393.30
	17.54.2.2	With 100 mm dia pipe	each	525.60
<b>17.55</b>	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	555.30
	17.55.1.2	Sand cast iron S&S as per IS - 3989	each	555.30
	17.55.2	75 mm		
	17.55.2.1	Sand cast iron S&S as per IS - 1729	each	388.20
	17.55.2.2	Sand cast iron S&S as per IS - 3989	each	388.20
<b>17.56</b>	Providing and fixing terminal guard :			
	17.56.1	100 mm		
	17.56.1.1	Sand cast iron S&S as per IS - 1729	each	268.10
	17.56.1.2	Sand cast iron S&S as per IS - 3989	each	469.60
	17.56.2	75 mm		
	17.56.2.1	Sand cast iron S&S as per IS - 1729	each	213.20
	17.56.2.2	Sand cast iron S&S as per IS - 3989	each	400.80
<b>17.57</b>	Providing and fixing collar :			
	17.57.1	100 mm		
	17.57.1.1	Sand cast iron S&S as per IS - 1729	each	209.00
	17.57.1.2	Sand cast iron S&S as per IS - 3989	each	322.10
	17.57.2	75 mm		
	17.57.2.1	Sand cast iron S&S as per IS - 1729	each	165.30
	17.57.2.2	Sand cast iron S&S as per IS - 3989	each	237.10
<b>17.58</b>	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter :			
	17.58.1	100 mm	each	209.40
	17.58.2	75 mm	each	178.90
	17.58.3	50 mm	each	144.30
<b>17.59</b>	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	72.90
	17.59.2	75 mm	each	60.80
	17.59.3	50 mm	each	55.50
<b>17.60</b>	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	837.70
	17.60.1.2	Sand Cast Iron S&S as per IS: 1729	each	636.20
	17.60.2	100 mm inlet and 75 mm outlet		
	17.60.2.1	Sand cast iron S&S as per IS - 3989	each	879.20
	17.60.2.2	Sand Cast Iron S&S as per IS- 1729	each	564.40

<b>17.61</b>	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	206.40
	17.61.2	75 mm dia	metre	148.40
	17.61.3	50 mm dia	metre	95.30
<b>17.62</b>	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	309.10
<b>17.63</b>	Re-painting C.I. cistern with bitumastic or any other anti-corrosive paint inside and white paint on the outside surface of the cistern,		each	230.30
<b>17.64</b>	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	94.00
<b>17.65</b>	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			
	17.65.1	100 mm diameter pipe	metre	28.70
	17.65.2	75 mm diameter pipe	metre	24.60
<b>17.66</b>	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	16.00
	17.66.2	75 mm diameter pipe	metre	12.00
<b>17.67</b>	Repainting bath tub of size 1700x730x430 mm with enamel		each	322.20
<b>17.68</b>	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	6288.70
<b>17.69</b>	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	107.50

	17.69.2	Waste coupling 38 mm dia of 83 mm length and 77mm breadth, weighing not less than 60 gms	each	123.90
<b>17.70</b>	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	442.50
	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	477.80
<b>17.71</b>	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	197.00
<b>17.72</b>	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	189.40
<b>17.73</b>	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	375.40
	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 170 gms	each	418.20
<b>17.74</b>	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	458.50
<b>17.75</b>	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	174.40
<b>17.76</b>	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	168.30

<b>17.77</b>	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 182.00
	17.77.2	Total bracket length 810 mm of approved shape and design (for two 100 mm dia pipes)	each 222.60
	17.77.3	Total bracket length 1040 mm of approved shape and design (for three 100 mm dia pipes)	each 263.20
<b>17.78</b>	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)	each	10248.90
<b>17.79</b>	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	each	23449.30
<b>17.80</b>	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	17908.30

**SUB HEAD: 18.0**

**Water Supply**



BUILDING WORK - Contd.			
<b>18.0 WATER SUPPLY</b>			
Code No.	Description	Unit	Rate Rs.
<b>PE - AL - PE COMPOSITE PRESSURE PIPES</b>			
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 0C, 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.		
<b>Internal work - Exposed on wall</b>			
18.1.1	1216 (16 mm OD) pipe	metre	197.50
18.1.2	1620 (20 mm OD) pipe	metre	250.80
18.1.3	2025 (25 mm OD) pipe	metre	312.20
18.1.4	2532 (32 mm OD) pipe	metre	393.10
18.1.5	3240 (40 mm OD) pipe	metre	630.10
18.1.6	4050 (50 mm OD) pipe	metre	687.40
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 0C, 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.		
<b>Concealed work, including cutting chases and making good the wall etc.</b>			
18.2.1	1216 (16 mm OD) pipe	metre	302.20
18.2.2	1620 (20 mm OD) pipe	metre	368.30
18.2.3	2025 (25 mm OD) pipe	metre	445.40
18.2.4	2532 (32 mm OD) pipe	metre	544.60
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 0C, 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.		
<b>External work</b>			
18.3.1	1216 (16 mm OD) pipe	metre	190.60
18.3.2	1620 (20 mm OD ) pipe	metre	239.80
18.3.3	2025 (25 mm OD ) pipe	metre	297.00
18.3.4	2532 (32 mm OD ) pipe	metre	370.70

	18.3.5	3240 (40 mm OD ) pipe	metre	597.80
	18.3.6	4050 (50 mm OD ) pipe	metre	655.10
	<b>PP- R PIPES</b>			
18.4	<b>Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4, U V stabilized &amp; anti - microbial fusion welded, having thermal stability for hot &amp; cold water supply, including all PP - R plain &amp; 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.</b>			
	<b>Internal work - Exposed on wall</b>			
	18.4.1	PN - 16 Pipe, 16 mm OD	metre	102.50
	18.4.2	PN - 16 Pipe, 20 mm OD	metre	139.40
	18.4.3	PN - 16 Pipe, 25 mm OD	metre	194.40
	18.4.4	PN - 16 Pipe, 32 mm OD	metre	290.00
	18.4.5	PN - 16 Pipe, 40 mm OD	metre	422.20
	18.4.6	PN - 16 Pipe, 50 mm OD	metre	618.70
18.5	<b>Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4, U V stabilized &amp; anti - microbial fusion welded, having thermal stability for hot &amp; cold water supply, including all PP - R plain &amp; 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.</b>			
	<b>Concealed work, including cutting chases and making good the walls etc.,</b>			
	18.5.1	PN - 16 Pipe, 16 mm OD	metre	174.40
	18.5.2	PN - 16 Pipe, 20 mm OD	metre	218.50
	18.5.3	PN - 16 Pipe, 25 mm OD	metre	286.80
	18.5.4	PN - 16 Pipe, 32 mm OD	metre	405.80
18.6	<b>Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes, U V stabilized &amp; anti - microbial fusion welded, having thermal stability for hot &amp; cold water supply, including all PP - R plain &amp; brass threaded polypropylene random fittings, including trenching, refilling &amp; testing of joints complete as per direction of Engineer in Charge.</b>			
	<b>External work</b>			
	18.6.1	PN - 16 Pipe, 16 mm OD (SDR - 7.4)	metre	95.70
	18.6.2	PN - 16 Pipe, 20 mm OD (SDR - 7.4)	metre	122.00
	18.6.3	PN - 16 Pipe, 25 mm OD (SDR - 7.4)	metre	182.30
	18.6.4	PN - 16 Pipe, 32 mm OD (SDR - 7.4)	metre	270.70
	18.6.5	PN - 16 Pipe, 40 mm OD (SDR - 7.4)	metre	389.90
	18.6.6	PN - 16 Pipe, 50 mm OD (SDR - 7.4)	metre	586.30
	18.6.7	PN - 16 Pipe, 63 mm OD (SDR - 7.4)	metre	890.80
	18.6.8	PN - 16 Pipe, 75 mm OD (SDR - 7.4)	metre	1196.90
	18.6.9	PN - 16 Pipe, 90 mm OD (SDR - 7.4)	metre	1812.60
	18.6.10	PN - 10 Pipe, 110 mm OD (SDR - 11)	metre	2032.00
	18.6.11	PN - 10 Pipe, 160 mm OD (SDR - 11)	metre	4196.50
	<b>C.P.V.C. PIPES</b>			

18.7	<b>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot &amp; cold water supply, including all CPVC plain &amp; brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes &amp; fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.</b>			
	<b>Internal work - Exposed on wall</b>			
	18.7.1	15 mm nominal outer dia Pipes	metre	136.20
	18.7.2	20 mm nominal outer dia Pipes	metre	161.60
	18.7.3	25 mm nominal outer dia Pipes	metre	205.80
	18.7.4	32 mm nominal outer dia Pipes	metre	270.30
	18.7.5	40 mm nominal outer dia Pipes	metre	376.40
	18.7.6	50 mm nominal outer dia Pipes	metre	564.70
18.8	<b>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot &amp; cold water supply, including all CPVC plain &amp; brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes &amp; fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.</b>			
	<b>Concealed work, including cutting chases and making good the</b>			
	18.8.1	15 mm nominal outer dia Pipes	metre	241.00
	18.8.2	20 mm nominal outer dia Pipes	metre	269.60
	18.8.3	25 mm nominal outer dia Pipes	metre	329.10
	18.8.4	32 mm nominal outer dia Pipes	metre	406.30
18.9	<b>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot &amp; cold water supply including all CPVC plain &amp; brass threaded fittings This includes jointing of pipes &amp; fittings with one step CPVC solvent cement ,trenching ,refilling &amp; testing of joints complete as per direction of Engineer in Charge.</b>			
	<b>External work</b>			
	18.9.1	15 mm nominal outer dia Pipes	metre	125.10
	18.9.2	20 mm nominal outer dia Pipes	metre	146.40
	18.9.3	25 mm nominal outer dia Pipes	metre	193.80
	18.9.4	32 mm nominal outer dia Pipes	metre	251.10
	18.9.5	40 mm nominal outer dia Pipes	metre	344.00
	18.9.6	50 mm nominal outer dia Pipes	metre	532.30
	18.9.7	62.50 mm nominal inner dia Pipes	metre	1540.70
	18.9.8	75 mm nominal inner dia Pipes	metre	2179.20
	18.9.9	100 mm nominal inner dia Pipes	metre	3014.30
	18.9.10	150 mm nominal inner dia Pipes	metre	3623.60
18.10	<b>Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.</b>			
	<b>Internal work - Exposed on wall</b>			
	18.10.1	15 mm dia nominal bore	metre	166.90
	18.10.2	20 mm dia nominal bore	metre	207.30
	18.10.3	25 mm dia nominal bore	metre	270.20
	18.10.4	32 mm dia nominal bore	metre	320.60
	18.10.5	40 mm dia nominal bore	metre	395.50
	18.10.6	50 mm dia nominal bore	metre	491.10

18.11	<b>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 :</b>			
18.11.1	15 mm dia nominal bore		metre	222.20
18.11.2	20 mm dia nominal bore		metre	287.20
18.12	<b>Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.</b>			
	External work			
18.12.1	15 mm dia nominal bore		metre	145.60
18.12.2	20 mm dia nominal bore		metre	177.70
18.12.3	25 mm dia nominal bore		metre	232.60
18.12.4	32 mm dia nominal bore		metre	271.30
18.12.5	40 mm dia nominal bore		metre	326.20
18.12.6	50 mm dia nominal bore		metre	397.00
18.12.7	65 mm dia nominal bore		metre	523.40
18.12.8	80 mm dia nominal bore		metre	645.70
18.13	<b>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 :</b>			
18.13.1	25 to 40 mm nominal bore		each	250.20
18.13.2	50 to 80 mm nominal bore		each	622.90
18.14	<b>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).</b>			193.50
	BRASS FITTINGS			
18.15	<b>Providing and fixing brass bib cock of approved quality :</b>			
18.15.1	15 mm nominal bore		each	281.70
18.15.2	20 mm nominal bore		each	303.60
18.16	<b>Providing and fixing brass stop cock of approved quality :</b>			
18.16.1	15 mm nominal bore		each	281.70
18.16.2	20 mm nominal bore		each	372.90
18.17	<b>Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :</b>			
18.17.1	25 mm nominal bore		each	463.80
18.17.2	32 mm nominal bore.		each	542.40
18.17.3	40 mm nominal bore		each	633.30
18.17.4	50 mm nominal bore		each	812.40
18.17.5	65 mm nominal bore		each	1394.50
18.17.6	80 mm nominal bore		each	2080.40
18.18	<b>Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :</b>			
18.18.1	15 mm nominal bore		each	310.50
18.18.2	20 mm nominal bore		each	441.50
18.18.3	25 mm nominal bore		each	484.40

<b>18.19</b>	<b>Providing and fixing gun metal non- return valve of approved quality (screwed end) :</b>			
18.19.1	25 mm nominal bore			
18.19.1.1	Horizontal		each	444.40
18.19.1.2	Vertical		each	482.20
18.19.2	32 mm nominal bore			
18.19.2.1	Horizontal		each	598.30
18.19.2.2	Vertical		each	686.50
18.19.3	40 mm nominal bore			
18.19.3.1	Horizontal		each	739.60
18.19.3.2	Vertical		each	978.90
18.19.4	50 mm nominal bore			
18.19.4.1	Horizontal		each	1070.10
18.19.4.2	Vertical		each	1309.40
18.19.5	65 mm nominal bore			
18.19.5.1	Horizontal		each	1916.60
18.19.5.2	Vertical		each	2193.70
18.19.6	80 mm nominal bore			
18.19.6.1	Horizontal		each	2713.10
18.19.6.2	Vertical		each	3682.70
<b>18.20</b>	<b>Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main :</b>			
18.20.1	15 mm nominal bore		each	262.40
18.20.2	20 mm nominal bore		each	281.80
18.20.3	25 mm nominal bore		each	365.40
<b>18.21</b>	<b>Providing and fixing uplasticised PVC connection pipe with brass ions :</b>			
18.21.1	30 cm length			
18.21.1.1	15 mm nominal bore		each	63.90
18.21.1.2	20 mm nominal bore		each	70.20
18.21.2	45 cm length			
18.21.2.1	15 mm nominal bore		each	72.90
18.21.2.2	20 mm nominal bore		each	89.30
<b>18.22</b>	<b>Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :</b>			
18.22.1	100 mm diameter		each	77.40
18.22.2	150 mm diameter		each	92.80
	<b>C.I/ DUCTILE IRON PIPES &amp; SPECIALS</b>			
<b>18.23</b>	<b>Laying in position centrifugally cast (spun) iron S&amp;S or flanged pipes (excluding cost of pipe).</b>		quintal	81.10
<b>18.24</b>	<b>Laying in position S&amp;S or flanged C.I. special such as tees, bends,collars, tapers and caps etc.(excluding cost of specials).</b>		quintal	206.30
<b>18.25</b>	<b>Providing and laying S&amp;S C.I. standard specials such as tees, bends,collars, tapers, caps etc. (Heavy class) :</b>			
18.25.1	Up to 300 mm dia		quintal	4751.00
18.25.2	Over 300 mm dia		quintal	4904.30

<b>18.26</b>	<b>Providing and laying flanged C.I. standard specials such as tees,bends, collars, tapers, caps etc., suitable for flanged jointing as per IS : 1538 :</b>			
18.26.1	Up to 300 mm dia		quintal	7171.10
18.26.2	Over 300 mm dia		quintal	7410.90
<b>18.27</b>	<b>Providing and laying S&amp;S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 :</b>			
18.27.1	100 mm dia pipe		metre	1152.20
18.27.2	125 mm dia pipe		metre	1435.00
18.27.3	150 mm dia pipe		metre	1730.70
18.27.4	200 mm dia pipe		metre	2942.00
18.27.5	250 mm dia pipe		metre	3840.00
18.27.6	300 mm dia pipe		metre	5179.60
18.27.7	350 mm dia pipe		metre	6209.50
18.27.8	400 mm dia pipe		metre	8186.20
18.27.9	450 mm dia pipe		metre	9912.80
18.27.10	500 mm dia pipe		metre	11507.80
18.27.11	600 mm dia pipe		metre	16098.00
<b>18.28</b>	<b>Providing lead caulked joints to spun iron or C.I. pipes and specials, including testing of joints but excluding the cost of pig lead :</b>			
18.28.1	100 mm diameter pipe		each	132.2
18.28.2	125 mm diameter pipe		each	192.9
18.28.3	150 mm diameter pipe		each	198.5
18.28.4	200 mm diameter pipe		each	262.5
18.28.5	250 mm diameter pipe		each	327.9
18.28.6	300 mm diameter pipe		each	395.9
18.28.7	350 mm diameter pipe		each	414.9
18.28.8	400 mm diameter pipe		each	534.8
18.28.9	450 mm diameter pipe		each	598.1
18.28.10	500 mm diameter pipe		each	634.10
18.28.11	600 mm diameter pipe		each	847.60
<b>18.29</b>	<b>Supplying pig lead at site of work.</b>		quintal	11344.60
<b>18.30</b>	<b>Providing flanged joints to double flanged C.I./ D.I. pipes and specials, including testing of joints :</b>			
18.30.1	80 mm diameter pipe		each	105.60
18.30.2	100 mm diameter pipe		each	180.00
18.30.3	125 mm diameter pipe		each	182.50
18.30.4	150 mm diameter pipe		each	217.70
18.30.5	200 mm diameter pipe		each	224.00
18.30.6	250 mm diameter pipe		each	343.80
18.30.7	300 mm diameter pipe		each	350.10
18.30.8	350 mm diameter pipe		each	487.10
18.30.9	400 mm diameter pipe		each	718.20
18.30.10	450 mm diameter pipe		each	893.10
18.30.11	500 mm diameter pipe		each	1021.40
18.30.12	600 mm diameter pipe		each	1201.60
<b>C.I. SLUICE VALVES/ FIRE HYDRANTS &amp; FIXTURES</b>				
<b>18.31</b>	<b>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) :</b>			
18.31.1	100 mm diameter			

18.31.1.1	Class I	each	3491.30
18.31.1.2	Class II	each	4147.00
18.31.2	125 mm diameter		
18.31.2.1	Class I	each	3761.70
18.31.2.2	Class II	each	4962.50
18.31.3	150 mm diameter		
18.31.3.1	Class I	each	5146.40
18.31.3.2	Class II	each	6062.20
18.31.4	200 mm diameter		
18.31.4.1	Class I	each	10190.40
18.31.4.2	Class II	each	12414.70
18.31.5	250 mm diameter		
18.31.5.1	Class I	each	14955.40
18.31.5.2	Class II	each	19888.40
18.31.6	300 mm diameter		
18.31.6.1	Class I	each	20813.00
18.31.6.2	Class II	each	24740.40
18.32	<b>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 :</b>		
18.32.1	With common burnt clay F.P.S.(non modular) bricks of class designation 100A	each	922.70
18.33	<b>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 :</b>		
18.33.1	With common burnt clay F.P.S.(non modular) bricks of class designation 100A	each	5477.70

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	10057.30
18.35	Constructing masonry Chamber 120x120x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.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	13830.80
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	5574.20
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	5097.80



<b>18.38</b>	<b>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 :</b>			
18.38.1	15 mm diameter pipe	metre	7.70	
18.38.2	20 mm diameter pipe	metre	9.00	
18.38.3	25 mm diameter pipe	metre	12.00	
18.38.4	32 mm diameter pipe	metre	14.00	
18.38.5	40 mm diameter pipe	metre	16.70	
18.38.6	50 mm diameter pipe	metre	19.40	
<b>18.39</b>	<b>Repainting G.I. pipes and fittings with synthetic enamel white paint with one coat of approved quality :</b>			
18.39.1	15 mm diameter pipe	metre	3.70	
18.39.2	20 mm diameter pipe	metre	4.20	
18.39.3	25 mm diameter pipe	metre	5.50	
18.39.4	32 mm diameter pipe	metre	6.30	
18.39.5	40 mm diameter pipe	metre	7.40	
18.39.6	50 mm diameter pipe	metre	8.50	
<b>18.40</b>	<b>Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality :</b>			
18.40.1	15 mm diameter pipe	metre	4.40	
18.40.2	20 mm diameter pipe	metre	5.00	
18.40.3	25 mm diameter pipe	metre	6.50	
18.40.4	32 mm diameter pipe	metre	7.50	
18.40.5	40 mm diameter pipe	metre	8.60	
18.40.6	50 mm diameter pipe	metre	10.00	
18.40.7	65 mm diameter pipe	metre	12.30	
18.40.8	80 mm diameter pipe	metre	14.10	
<b>18.41</b>	<b>Providing and filling sand of grading zone V or coarser grade, allround the G.I. pipes in external work :</b>			
18.41.1	15 mm diameter pipe	metre	13.70	
18.41.2	20 mm diameter pipe	metre	13.90	
18.41.3	25 mm diameter pipe	metre	14.20	
18.41.4	32 mm diameter pipe	metre	14.60	
18.41.5	40 mm diameter pipe	metre	14.80	
18.41.6	50 mm diameter pipe	metre	15.30	
18.41.7	65 mm diameter pipe	metre	24.20	
18.41.8	80 mm diameter pipe	metre	25.00	
18.41.9	100 mm diameter pipe	metre	26.40	
18.41.10	150 mm diameter pipe	metre	39.40	
<b>18.42</b>	<b>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 :</b>			
18.42.1	Up to 6 metres depth	metre	224.20	
18.42.2	Beyond 6 m and up to 12 m depth	metre	266.90	
18.42.3	Beyond 12 m and up to 18 m depth	metre	311.70	
<b>18.43</b>	<b>Providing and placing in position filters of 40 mm diameter G.I. pipe with brass strainer of approved quality.</b>			591.40
		metre		

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	312.00
18.45	Providing and placing in position hand pump of approved quality for 40 mm diameter G.I. pipe complete with all		each	933.40
18.46	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete			
18.46.1	15 mm nominal bore		each	129.70
18.46.2	20 mm nominal bore		each	154.90
18.46.3	25 mm nominal bore		each	167.50
18.46.4	32 mm nominal bore		each	211.50
18.46.5	40 mm nominal bore		each	293.40
18.46.6	50 mm nominal bore		each	358.00
18.46.7	65 mm nominal bore		each	622.50
18.46.8	80 mm nominal bore		each	723.20
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	242.70
18.47.2	20 mm nominal bore		each	267.90
18.47.3	25 mm nominal bore		each	280.50
18.47.4	32 mm nominal bore		each	324.60
18.47.5	40 mm nominal bore		each	406.40
18.47.6	50 mm nominal bore		each	512.20
18.47.7	65 mm nominal bore		each	776.60
18.47.8	80 mm nominal bore		each	877.40
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.		per litre	6.80
	<b>C.P. BRASS FITTINGS</b>			
18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :		each	497.00
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	862.10
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	660.60
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	670.70

18.53	<b>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</b>			
	18.53.1	15 mm nominal bore	each	549.30
<b>PTMT FITTINGS</b>				
18.54	<b>Providing and fixing PTMT bib cock of approved quality and colour.</b>			
	18.54.1	15mm nominal bore, 86 mm long, weighing not less than 88 gms	each	143.10
	18.54.2	15 mm nominal bore, 122mm long, weighing not less than 99 gms	each	193.50
	18.54.3	15 mm nominal bore, 165 mm long, weighing not less than 110 gms	each	218.70
	18.54.4	15mm nominal bore, 90 mm long, weighing not less than 93 gms	each	199.80
18.55	<b>Providing and fixing PTMT stop cock of approved quality and colour.</b>			
	18.55.1	15 mm nominal bore, 86 mm long, weighing not less than 88 gms	each	143.10
	18.55.2	20 mm nominal bore, 89 mm long, weighing not less than 88 gms	each	180.90
	18.55.3	Concealed stop cock, 15 mm nominal bore, 108 mm long, weighing not less than 108 gms	each	216.20
18.56	<b>Providing and fixing PTMT pillar cock of approved quality and colour .</b>			
	18.56.1	15 mm nominal bore, 107 mm long, weighing not less than 110 gms	each	221.80
	18.56.2	15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	303.60
18.57	<b>Providing and fixing PTMT, push cock of approved quality and colour.</b>			
	18.57.1	15 mm nominal bore, 98 mm long, weighing not less than 75 gms	each	130.50
	18.57.2	15 mm nominal bore, 80 mm long, weighing not less than 46 gms	each	118.00
18.58	<b>Providing and fixing PTMT grating of approved quality and colour.</b>			
	18.58.1	Circular type		
	18.58.1.1	100 mm nominal dia	each	47.90
	18.58.1.2	125 mm nominal dia with 25 mm waste hole	each	61.80
	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	162.50	
<b>AIR VALVE &amp; WATER METER (BULK TYPE)</b>				
18.59	<b>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) :</b>			
	18.59.1	50 mm dia	each	5156.70
	18.59.2	80 mm dia	each	6563.80

	18.59.3	100 mm dia	each	8771.50
<b>18.60</b>	<b>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) :</b>			
	18.60.1	80 mm dia nominal bore	each	3329.90
	18.60.2	100 mm dia nominal bore	each	4982.80
	18.60.3	150 mm dia nominal bore	each	7311.60
	18.60.4	200 mm dia nominal bore	each	7938.10
<b>18.61</b>	<b>Providing and fixing C.I. dirt box strainer for bulk type water meter with nuts, bolts, rubber insertions etc. complete conforming to IS : 2373 :</b>			
	18.61.1	80 mm dia	each	3908.70
	18.61.2	100 mm dia	each	6317.20
	18.61.3	150 mm dia	each	7998.60
	18.61.4	200 mm dia	each	11194.10
<b>18.62</b>	<b>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.</b>			
	18.62.1	15 mm nominal bore, 105 mm long, weighing not less than 138 gms	each	214.80
	18.62.2	20 mm nominal bore, 120 mm long, weighing not less than 198 gms	each	303.00
	18.62.3	25 mm nominal bore, 152mm long, weighing not less than 440 gms	each	597.70
	18.62.4	40 mm nominal bore, 206mm long, weighing not less than 690 gms	each	1051.10
	18.62.5	50 mm nominal bore, 242mm long, weighing not less than 1240 gms	each	1517.10
<b>18.63</b>	<b>Providing and fixing PTMT angle stop cock 15 mm nominal bore,weighing not less than 85 gms</b>		each	180.90
<b>18.64</b>	<b>Providing and fixing PTMT swivelling shower, 15 mm nominal bore,</b>		each	124.00
<b>18.65</b>	<b>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.</b>		each	165.60
<b>18.66</b>	<b>Providing and laying S&amp;S C.I. Standard specials such as tees, bends,collars tapers and caps etc, suitable for flanged jointing as per IS : 1538 :</b>			
	18.66.1	Up to 300 mm dia	quintal	7080.70
	18.66.2	Above 300 mm dia	quintal	10543.90
<b>18.67</b>	<b>Providing and laying S&amp;S C.I. Standard specials suitable for mechanical jointing as per IS : 13382 :</b>			
	18.67.1	Up to 300 mm dia	quintal	11551.30
	18.67.2	Above 300 mm dia	quintal	12181.00

<b>18.68</b>	<b>Providing and laying D.I. specials of class K-12 suitable for push-on jointing as per IS : 9523 :</b>			
	18.68.1	Up to 600 mm dia	quintal	16588.60
	18.68.2	Above 600 mm dia	quintal	22885.20
<b>18.69</b>	<b>Providing and laying D.I. Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 :</b>			
	18.69.1	Up to 600 mm dia	quintal	17470.10
	18.69.2	Above 600 mm dia	quintal	24963.10
<b>18.70</b>	<b>Providing push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and the cost of rubber gasket :</b>			
	18.70.1	100 mm dia pipes	joint	53.30
	18.70.2	150 mm dia pipes	joint	77.60
	18.70.3	200 mm dia pipes	joint	122.80
	18.70.4	250 mm dia pipes	joint	147.80
	18.70.5	300 mm dia pipes	joint	204.30
	18.70.6	350 mm dia pipes	joint	225.70
	18.70.7	400 mm dia pipes	joint	381.50
	18.70.8	450 mm dia pipes	joint	441.80
	18.70.9	500 mm dia pipes	joint	478.30
	18.70.10	600 mm dia pipes	joint	607.40
	18.70.11	650 mm dia pipes	joint	876.80
	18.70.12	700 mm dia pipes	joint	1021.60
	18.70.13	800 mm dia pipes	joint	1125.60
	18.70.14	900 mm dia pipes	joint	1457.60
	18.70.15	1000 mm dia pipes	joint	1729.30
<b>18.71</b>	<b>Providing and laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :</b>			
	18.71.1	100 mm dia C.I. Double Flanged Pipe	metre	1756.20
	18.71.2	150 mm dia C.I. Double Flanged Pipe	metre	2747.90
	18.71.3	200 mm dia C.I. Double Flanged Pipe	metre	4340.70
	18.71.4	250 mm dia C.I. Double Flanged Pipe	metre	5243.00
	18.71.5	300 mm dia C.I. Double Flanged Pipe	metre	6701.00
	18.71.6	350 mm dia C.I. Double Flanged Pipe	metre	7870.90
	18.71.7	400 mm dia C.I. Double Flanged Pipe	metre	10927.30
	18.71.8	450 mm dia C.I. Double Flanged Pipe	metre	13920.40
	18.71.9	500 mm dia C.I. Double Flanged Pipe	metre	17297.10
	18.71.10	600 mm dia C.I. Double Flanged Pipe	metre	23976.5
<b>18.72</b>	<b>Providing and laying S&amp;S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS : 8329 :</b>			
	18.72.1	100 mm dia Ductile Iron Class K-7 pipes	metre	991.20
	18.72.2	150 mm dia Ductile Iron Class K-7 pipes	metre	1433.50
	18.72.3	200 mm dia Ductile Iron Class K-7 pipes	metre	1983.80
	18.72.4	250 mm dia Ductile Iron Class K-7 pipes	metre	2687.00
	18.72.5	300 mm dia Ductile Iron Class K-7 pipes	metre	3704.30
	18.72.6	350 mm dia Ductile Iron Class K-7 pipes	metre	4410.10
	18.72.7	400 mm dia Ductile Iron Class K-7 pipes	metre	5144.50
	18.72.8	450 mm dia Ductile Iron Class K-7 pipes	metre	6214.70
	18.72.9	500 mm dia Ductile Iron Class K-7 pipes	metre	7339.00
	18.72.10	600 mm dia Ductile Iron Class K-7 pipes	metre	9577.70
	18.72.11	700 mm dia Ductile Iron Class K-7 pipes	metre	12304.6
	18.72.12	800 mm dia Ductile Iron Class K-7 pipes	metre	15480.8
	18.72.13	900 mm dia Ductile Iron Class K-7 pipes	metre	20534.8

18.72.14	1000 mm dia Ductile Iron Class K-7 pipes	metre	21822.2
18.72.15	100 mm dia Ductile Iron Class K-9 pipes	metre	1024.6
18.72.16	150 mm dia Ductile Iron Class K-9 pipes	metre	1537
18.72.17	200 mm dia Ductile Iron Class K-9 pipes	metre	2114.6
18.72.18	250 mm dia Ductile Iron Class K-9 pipes	metre	2945.9
18.72.19	300 mm dia Ductile Iron Class K-9 pipes	metre	3663.7
18.72.20	350 mm dia Ductile Iron Class K-9 pipes	metre	4503.1
18.72.21	400 mm dia Ductile Iron Class K-9 pipes	metre	5768.7
18.72.22	450 mm dia Ductile Iron Class K-9 pipes	metre	6668.8
18.72.23	500 mm dia Ductile Iron Class K-9 pipes	metre	8421.7
18.72.24	600 mm dia Ductile Iron Class K-9 pipes	metre	10168.7
18.72.25	700 mm dia Ductile Iron Class K-9 pipes	metre	14059.3
18.72.26	750 mm dia Ductile Iron Class K-9 pipes	metre	15251
18.72.27	800 mm dia Ductile Iron Class K-9 pipes	metre	15419.5
18.72.28	900 mm dia Ductile Iron Class K-9 pipes	metre	18611.8
18.72.29	1000 mm dia Ductile Iron Class K-9 pipes	metre	20926.3
<b>18.73</b>	<b>Providing and laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K - 9 conforming to IS : 8329 :</b>		
18.73.1	100 mm dia Ductile Iron Double Flanged	metre	2765.7
18.73.2	150 mm dia Ductile Iron Double Flanged	metre	4438.6
18.73.3	200 mm dia Ductile Iron Double Flanged	metre	5219.1
18.73.4	250 mm dia Ductile Iron Double Flanged	metre	4371.9
18.73.5	300 mm dia Ductile Iron Double Flanged	metre	8839.8
18.73.6	350 mm dia Ductile Iron Double Flanged	metre	11174.4
18.73.7	400 mm dia Ductile Iron Double Flanged	metre	13473.8
18.73.8	450 mm dia Ductile Iron Double Flanged	metre	16379.2
18.73.9	500 mm dia Ductile Iron Double Flanged	metre	19166.1
18.73.10	600 mm dia Ductile Iron Double Flanged	metre	26186.7
18.73.11	700 mm dia Ductile Iron Double Flanged	metre	32475.7
<b>18.74</b>	<b>Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.</b>		
18.74.1	15 mm nominal bore with 30cm length	each	66.40
18.74.2	15 mm nominal bore with 45 cm length	each	79.30
<b>18.75</b>	<b>Providing and fixing PTMT extension nipple for water tank pipe, fittings of approved quality and colour.</b>		
18.75.1	15 mm nominal bore, weighing not less than 32 gms	each	47.50
18.75.2	20mm nominal bore, weighing not less than 40 gms	each	55.00
18.75.3	25mm nominal bore, weighing not less than 62 gms	each	79.00
<b>18.76</b>	<b>Cutting holes up to 30x30 cm in walls including making good the same:</b>		
18.76.1	With common burnt clay F.P.S. (non modular) bricks	each	140.90
<b>18.77</b>	<b>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.</b>	each	129.10

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	51.50
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	84.70
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	419.80
18.80.2	100 mm diameter C.I. pipe	100 metre	555.30
18.80.3	125 mm diameter C.I. pipe	100 metre	699.90
18.80.4	150 mm diameter C.I. pipe	100 metre	849.20
18.80.5	200 mm diameter C.I. pipe	100 metre	1150.20
18.80.6	250 mm diameter C.I. pipe	100 metre	1469.40
18.80.7	300 mm diameter C.I. pipe	100 metre	1667.70
18.80.8	350 mm diameter C.I. pipe	100 metre	1878.60
18.80.9	400 mm diameter C.I. pipe	100 metre	2109.20
18.80.10	450 mm diameter C.I. pipe	100 metre	2347.70
18.80.11	500 mm diameter C.I. pipe	100 metre	2604.70
18.80.12	600 mm diameter C.I. pipe	100 metre	3143.20
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	154.60
18.81.2	100 mm diameter C.I. pipe	100 metre	189.00
18.81.3	125 mm diameter C.I. pipe	100 metre	232.90
18.81.4	150 mm diameter C.I. pipe	100 metre	275.30
18.81.5	200 mm diameter C.I. pipe	100 metre	423.40
18.81.6	250 mm diameter C.I. pipe	100 metre	494.40
18.81.7	300 mm diameter C.I. pipe	100 metre	565.40
18.81.8	350 mm diameter C.I. pipe	100 metre	672.60
18.81.9	400 mm diameter C.I. pipe	100 metre	782.50
18.81.10	450 mm diameter C.I. pipe	100 metre	898.70
18.81.11	500 mm diameter C.I. pipe	100 metre	1016.90
18.81.12	600 mm diameter C.I. pipe	100 metre	1263.40
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	143.90
18.82.2	100 mm diameter C.I. pipe	metre	148.00
18.82.3	125 mm diameter C.I. pipe	metre	151.70
18.82.4	150 mm diameter C.I. pipe	metre	155.70
18.82.5	200 mm diameter C.I. pipe	metre	171.50
18.82.6	250 mm diameter C.I. pipe	metre	187.00

	18.82.7	300 mm diameter C.I. pipe	metre	200.00
	18.82.8	350 mm diameter C.I. pipe	metre	211.50
	18.82.9	400 mm diameter C.I. pipe	metre	221.80
	18.82.10	450 mm diameter C.I. pipe	metre	232.50
	18.82.11	500 mm diameter C.I. pipe	metre	241.20
	18.82.12	600 mm diameter C.I. pipe	metre	255.20
<b>18.83</b>	<b>Labour for cutting C.I. pipe with steel saw.</b>			
	18.83.1	80 mm diameter C.I. pipe	Each cut	34.70
	18.83.2	100 mm diameter C.I. pipe	Each cut	46.90
	18.83.3	125 mm diameter C.I. pipe	Each cut	66.00
	18.83.4	150 mm diameter C.I. pipe	Each cut	88.50
	18.83.5	200 mm diameter C.I. pipe	Each cut	118.00
	18.83.6	250 mm diameter C.I. pipe	Each cut	145.70
	18.83.7	300 mm diameter C.I. pipe	Each cut	175.20
	18.83.8	350 mm diameter C.I. pipe	Each cut	202.90
	18.83.9	400 mm diameter C.I. pipe	Each cut	232.20
	18.83.10	450 mm diameter C.I. pipe	Each cut	260.10
	18.83.11	500 mm diameter C.I. pipe	Each cut	289.40
	18.83.12	600 mm diameter C.I. pipe	Each cut	342.70
<b>18.84</b>	<b>Providing &amp; fixing chrome plated brass battery based infrared sensor operated pillar cock, having foam flow technology.</b>			
	18.84.1	15 mm nominal bore	each	7349.00
<b>18.85</b>	<b>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</b>			
	18.85.1	15.88 mm outer dia pipe	metre	232.40
	18.85.2	22.22 mm outer dia Pipe	metre	377.90
	18.85.3	28.58 mm outer dia Pipe	metre	478.70
	18.85.4	34.00 mm outer dia Pipe	metre	661.20
	18.85.5	42.70 mm outer dia Pipe	metre	812.20
	18.85.6	48.60 mm outer dia Pipe	metre	880.20
<b>18.86</b>	<b>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</b>			
	18.86.1	15.88 mm outer dia .Pipes.	metre	283.30
	18.86.2	22.22 mm Outer dia pipes	metre	428.80



<b>18.87</b>	<b>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.</b>		
	<b>Coupling/Socket</b>		
18.87.1	For 15.88 mm outer dia pipe	each	71.80
18.87.2	For 22.22 mm outer dia pipe	each	110.80
18.87.3	For 28.58 mm outer dia pipe	each	136.00
18.87.4	For 34.00 mm outer dia pipe	each	290.90
18.87.5	For 42.70 mm outer dia pipe	each	419.70
18.87.6	For 48.60 mm outer dia pipe	each	561.70
<b>18.88</b>	<b>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 direction of Engineer-in-charge.</b>		
	<b>Reducer</b>		
18.88.1	For 22.22 mm x 15.88 mm outer dia pipe	each	129.70
18.88.2	For 28.58 mm x 15.88 mm outer dia pipe	each	177.60
18.88.3	For 28.58 mm x 22.22 mm outer dia pipe	each	182.60
18.88.4	For 34.00 mm x 15.88 mm outer dia pipe	each	298.50
18.88.5	For 34.00 mm x 22.22 mm outer dia pipe	each	298.50
18.88.6	For 34.00 mm x 28.58 mm outer dia pipe	each	298.50
18.88.7	For 42.70 mm x 15.88 mm outer dia pipe	each	452.10
18.88.8	For 42.70 mm x 22.22 mm outer dia pipe	each	455.90
18.88.9	For 42.70 mm x 28.58 mm outer dia pipe	each	455.90
18.88.10	For 42.70 mm x 34.00 mm outer dia pipe	each	487.40
18.88.11	For 48.60 mm x 15.88 mm outer dia pipe	each	589.40
18.88.12	For 48.60 mm x 22.22 mm outer dia pipe	each	591.90
18.88.13	For 48.60 mm x 28.58 mm outer dia pipe	each	596.90
18.88.14	For 48.60 mm x 34.0 mm outer dia pipe	each	603.20
18.88.15	For 48.60 mm x 42.70 mm outer dia pipe	each	657.40
<b>18.89</b>	<b>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.</b>		
	<b>Slip Coupling/ Socket</b>		
18.89.1	For 15.88 mm outer dia pipe	each	142.30
18.89.2	For 22.22 mm outer dia pipe	each	231.70
18.89.3	For 28.58 mm outer dia pipe	each	297.20
18.89.4	For 34.00 mm outer dia pipe	each	439.50
18.89.5	For 42.70 mm outer dia pipe	each	617.10
18.89.6	For 48.60 mm outer dia pipe	each	766.90
<b>18.90</b>	<b>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.</b>		
	<b>Elbow 90o</b>		
18.90.1	For 15.88mm outer dia pipe	each	108.30

	18.90.2	For 22.22 mm outer dia pipe	each	192.70
	18.90.3	For 28.58 mm outer dia pipe	each	265.70
	18.90.4	For 34.00 mm outer dia pipe	each	540.30
	18.90.5	For 42.70 mm outer dia pipe	each	827.40
	18.90.6	For 48.60 mm outer dia pipe	each	1017.50
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.			
	<b>Reducing Elbow 90o</b>			
	18.91.1	For 22.22 mm x 15.88 mm outer dia pipe	each	186.40
	18.91.2	For 28.58 mm x 15.88 mm outer dia pipe	each	272.00
	18.91.3	For 28.58 mm x 22.22 mm outer dia pipe	each	278.30
	18.91.4	For 34.00 mm x 22.22 mm outer dia pipe	each	404.20
	18.91.5	For 34.00 mm x 28.58 mm outer dia pipe	each	498.70
	18.91.6	For 42.70 mm x 34.00 mm outer dia pipe	each	879.00
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.			
	<b>Equal Tee</b>			
	18.92.1	For 15.88 mm outer dia pipe	each	200.20
	18.92.2	For 22.22 mm outer dia pipe	each	290.90
	18.92.3	For 28.58 mm outer dia pipe	each	372.80
	18.92.4	Details of Cost for one no.	each	777.00
	18.92.5	For 42.70 mm outer dia pipe	each	1088.10
	18.92.6	For 48.60 mm outer dia pipe	each	1294.60
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.			
	<b>Reducing Tee</b>			
	18.93.1	For 22.22 mm x 15.88 mm outer dia pipe	each	283.30
	18.93.2	For 28.58 mm x 15.88 mm outer dia pipe	each	352.60
	18.93.3	For 28.58 mm x 22.22 mm outer dia pipe	each	366.50
	18.93.4	For 34.00 mm x 15.88 mm outer dia pipe	each	690.10
	18.93.5	For 34.00 mm x 22.22 mm outer dia pipe	each	702.70
	18.93.6	For 34.00 mm x 28.58 mm outer dia pipe	each	710.30
	18.93.7	For 42.70 mm x 15.88 mm outer dia pipe	each	1031.40
	18.93.8	For 42.70 mm x 22.22 mm outer dia pipe	each	1033.90
	18.93.9	For 42.70 mm x 28.58 mm outer dia pipe	each	1035.20
	18.93.10	For 42.70 mm x 34.00 mm outer dia pipe	each	1045.20
	18.93.11	For 48.60 mm x 15.88 mm outer dia pipe	each	1125.80
	18.93.12	For 48.60 mm x 22.22 mm outer dia pipe	each	1149.80
	18.93.13	For 48.60 mm x 28.58 mm outer dia pipe	each	1158.60
	18.93.14	For 48.60 mm x 34.00 mm outer dia pipe	each	1206.40
	18.93.15	For 48.60 mm x 42.70 mm outer dia pipe	each	1250.50

<b>18.94</b>	<b>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.</b>			
	<b>Male Thread Tee</b>			
18.94.1	For 15.88 mm outer dia x 15 mm nominal dia threaded	each		360.20
18.94.2	For 22.22 mm outer dia x 15 mm nominal dia threaded	each		433.20
18.94.3	For 22.22 mm outer dia x 20 mm nominal dia threaded	each		463.40
18.94.4	For 28.58 mm outer dia x 15 mm nominal dia threaded	each		521.40
18.94.5	For 28.58 mm outer dia x 20 mm nominal dia threaded	each		544.00
18.94.6	For 28.58 mm outer dia x 25 mm nominal dia threaded	each		608.20
18.94.7	For 34.00 mm outer dia x 15 mm nominal dia threaded	each		758.10
18.94.8	For 34.00 mm outer dia x 20 mm nominal dia threaded	each		819.80
18.94.9	For 34.00 mm outer dia x 25 mm nominal dia threaded	each		978.50
18.94.10	For 34.00 mm outer dia x 32 mm nominal dia threaded	each		1235.40
18.94.11	For 42.70 mm outer dia x 15 mm nominal dia threaded	each		1157.30
18.94.12	For 42.70 mm outer dia x 20 mm nominal dia threaded	each		1185.00
18.94.13	For 42.70 mm outer dia x 25 mm nominal dia threaded	each		1289.50
18.94.14	For 42.70 mm outer dia x 32 mm nominal dia threaded	each		1431.80
18.94.15	For 42.70 mm outer dia x 40 mm nominal dia threaded	each		1739.10
18.94.16	For 48.60 mm outer dia x 15 mm nominal dia threaded	each		1259.30
18.94.17	For 48.60 mm outer dia x 20 mm nominal dia threaded	each		1297.10
18.94.18	For 48.60 mm outer dia x 25 mm nominal dia threaded	each		1352.50
18.94.19	For 48.60 mm outer dia x 32 mm nominal dia threaded	each		1624.50
18.94.20	For 48.60 mm outer dia x 40 mm nominal dia threaded	each		1802.10
18.94.21	For 48.60 mm outer dia x 50 mm nominal dia threaded	each		2202.60
<b>18.95</b>	<b>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.</b>			
	<b>Female Thread Tee</b>			
18.95.1	For 15.88 mm outer dia x 15 mm nominal dia threaded	each		367.70

18.95.2	For 22.22 mm outer dia x 15 mm nominal dia threaded	each	433.20
18.95.3	For 22.22 mm outer dia x 20 mm nominal dia threaded	each	448.30
18.95.4	For 28.58 mm outer dia x 15 mm nominal dia threaded	each	560.40
18.95.5	For 28.58 mm outer dia x 20 mm nominal dia threaded	each	573.00
18.95.6	For 28.58 mm outer dia x 25 mm nominal dia threaded	each	627.10
18.95.7	For 34.00 mm outer dia x 15 mm nominal dia threaded	each	841.20
18.95.8	For 34.00 mm outer dia x 20 mm nominal dia threaded	each	855.10
18.95.9	For 34.00 mm outer dia x 25 mm nominal dia threaded	each	964.60
18.95.10	For 34.00 mm outer dia x 32 mm nominal dia threaded	each	1146.00
18.95.11	For 42.70 mm outer dia x 15 mm nominal dia threaded	each	1125.80
18.95.12	For 42.70 mm outer dia x 20 mm nominal dia threaded	each	1146.00
18.95.13	For 42.70 mm outer dia x 25 mm nominal dia threaded	each	1287.00
18.95.14	For 42.70 mm outer dia x 32 mm nominal dia threaded	each	1343.70
18.95.15	For 42.70 mm outer dia x 40 mm nominal dia threaded	each	1463.30
18.95.16	For 48.60 mm outer dia x 15 mm nominal dia threaded	each	1341.20
18.95.17	For 48.60 mm outer dia x 20 mm nominal dia threaded	each	1355.00
18.95.18	For 48.60 mm outer dia x 25 mm nominal dia threaded	each	1404.10
18.95.19	For 48.60 mm outer dia x 32 mm nominal dia threaded	each	1491.00
18.95.20	For 48.60 mm outer dia x 40 mm nominal dia threaded	each	1552.70
18.95.21	For 48.60 mm outer dia x 50 mm nominal dia threaded	each	1552.70
<b>18.96</b>	<b>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.</b>		
	<b>Female Thread Connector/ Adapter</b>		
18.96.1	For 15.88 mm outer dia x 15 mm nominal dia threaded	each	239.30
18.96.2	For 22.22 mm outer dia x 15 mm nominal dia threaded	each	289.60
18.96.3	For 22.22 mm outer dia x 20 mm nominal dia threaded	each	298.50
18.96.4	For 28.58 mm outer dia x 15 mm nominal dia threaded	each	348.80
18.96.5	For 28.58 mm outer dia x 20 mm nominal dia threaded	each	360.20
18.96.6	For 28.58 mm outer dia x 25 mm nominal dia threaded	each	424.40

18.96.7	For 34.00 mm outer dia x 25 mm nominal dia threaded	each	515.10
18.96.8	For 34.00 mm outer dia x 32 mm nominal dia threaded	each	677.50
18.96.9	For 42.70 mm outer dia x 32 mm nominal dia threaded	each	725.40
18.96.10	For 42.70 mm outer dia x 40 mm nominal dia threaded	each	857.60
18.96.11	For 48.60 mm outer dia x 40 mm nominal dia threaded	each	1055.30
18.96.12	For 48.60 mm outer dia x 50 mm nominal dia threaded	each	1055.30
<b>18.97</b>	<b>Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWVA 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.</b>		
	<b>Male Thread Connector/ Adapter</b>		
18.97.1	For 15.88 mm outer dia x 15 mm nominal dia threaded	each	243.00
18.97.2	For 22.22 mm outer dia x 15 mm nominal dia threaded	each	285.90
18.97.3	For 22.22 mm outer dia x 20 mm nominal dia threaded	each	312.30
18.97.4	For 28.58 mm outer dia x 20 mm nominal dia threaded	each	394.20
18.97.5	For 28.58 mm outer dia x 25 mm nominal dia threaded	each	403.00
18.97.6	For 34.00 mm outer dia x 25 mm nominal dia threaded	each	580.60
18.97.7	For 34.00 mm outer dia x 32 mm nominal dia threaded	each	711.50
18.97.8	For 42.70 mm outer dia x 32 mm nominal dia threaded	each	817.30
18.97.9	For 42.70 mm outer dia x 40 mm nominal dia threaded	each	914.30
18.97.10	For 48.60 mm outer dia x 40 mm nominal dia threaded	each	1057.80
18.97.11	For 48.60 mm outer dia x 50 mm nominal dia threaded	each	1433.10
<b>18.98</b>	<b>Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWVA 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.</b>		
	<b>Valve Connector</b>		
18.98.1	For 15.88 mm outer dia x 15 mm nominal dia threaded	each	294.70
18.98.2	For 22.22 mm outer dia x 15 mm nominal dia threaded	each	347.60
18.98.3	For 22.22 mm outer dia x 20 mm nominal dia threaded	each	371.50
18.98.4	For 28.58 mm outer dia x 25 mm nominal dia threaded	each	534.00
18.98.5	For 34.00 mm outer dia x 32 mm nominal dia threaded	each	792.10

	18.98.6	For 42.70 mm outer dia x 40 mm nominal dia threaded	each	1101.90
	18.98.7	For 48.60 mm outer dia x 50 mm nominal dia threaded	each	1481.00
<b>18.99</b>	<b>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.</b>			
	<b>Female Threaded Elbow 90O</b>			
	18.99.1	For 15.88 mm outer dia x 15 mm nominal dia threaded	each	258.20
	18.99.2	For 22.22 mm outer dia x 15 mm nominal dia threaded	each	346.30
	18.99.3	For 22.22 mm outer dia x 20 mm nominal dia threaded	each	357.60
	18.99.4	For 25.58 mm outer dia x 25 mm nominal dia threaded	each	530.20
	18.99.5	For 34.00 mm outer dia x 32 mm nominal dia threaded	each	923.10
	18.99.6	For 42.70 mm outer dia x 32 mm nominal dia threaded	each	1158.60
	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	1389.00
	18.99.9	For 48.60 mm outer dia x 50 mm nominal dia threaded	each	1619.50
<b>18.100</b>	<b>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.</b>			
	<b>Male Threaded Elbow 90O</b>			
	18.100.1	For 15.88 mm outer dia x 15 mm nominal dia threaded	each	272.00
	18.100.2	For 22.22 mm outer dia x 15 mm nominal dia threaded	each	343.80
	18.100.3	For 22.22 mm outer dia x 20 mm nominal dia threaded	each	362.70
	18.100.4	For 28.58 mm outer dia x 25 mm nominal dia threaded	each	474.80
	18.100.5	For 34.00 mm outer dia x 25 mm nominal dia threaded	each	761.90
	18.100.6	For 34.00 mm outer dia x 32 mm nominal dia threaded	each	926.90
	18.100.7	For 42.70 mm outer dia x 32 mm nominal dia threaded	each	1176.20
	18.100.8	For 42.70 mm outer dia x 40 mm nominal dia threaded	each	1334.90
	18.100.9	For 48.60 mm outer dia x 40 mm nominal dia threaded	each	1498.60
	18.100.10	For 48.60 mm outer dia x 50 mm nominal dia threaded	each	1824.80

18.101	<b>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.</b>			
	<b>Cap</b>			
	18.101.1	For 15.88 mm outer dia pipe	each	56.70
	18.101.2	For 22.22 mm outer dia pipe	each	80.60
	18.101.3	For 28.58 mm outer dia pipe	each	105.80
	18.101.4	For 34.00 mm outer dia pipe	each	217.90
	18.101.5	For 42.70 mm outer dia pipe	each	318.60
18.101.6	For 48.60 mm outer dia pipe	each	415.60	
18.102	<b>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.</b>			
	<b>Pipe Bridge</b>			
	18.102.1	For 15.88 mm outer dia pipe	each	269.50
	18.102.2	For 22.22 mm outer dia pipe	each	341.30
18.102.3	For 28.58 mm outer dia pipe	each	512.50	

**SUB HEAD: 19.0**

**DRAINAGE**



BUILDING WORK - Contd.			
<b>19.0 DRAINAGE</b>			
Code No.	Description	Unit	Rate Rs.
	<b>NOTE</b> : - 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.		
<b>STONE WARE PIPES AND FITTINGS</b>			
19.1	<b>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 :</b>		
19.1.1	100 mm diameter	metre	178.60
19.1.2	150 mm diameter	metre	283.40
19.1.3	200 mm diameter	metre	426.70
19.1.5	250 mm diameter	metre	662.50
19.1.6	300 mm diameter	metre	793.20
19.2	<b>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 :</b>		
19.2.1	100 mm diameter S.W. pipe	metre	312.50
19.2.2	150 mm diameter S.W. pipe	metre	382.20
19.2.3	200 mm diameter S.W. pipe	metre	445.60
19.2.4	250 mm diameter S.W. pipe	metre	515.30
19.3	<b>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 :</b>		
19.3.1	100 mm diameter S.W. pipe	metre	148.50
19.3.2	150 mm diameter S.W. pipe	metre	240.70
19.3.3	200 mm diameter S.W. pipe	metre	283.00
19.3.4	250 mm diameter S.W. pipe	metre	329.40
19.3.5	300 mm diameter S.W. pipe	metre	380.10
19.4	<b>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 :</b>		
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	1325.60
19.4.1.2	With Sewer bricks conforming to IS : 4885	each	1405.90
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	1368.80
19.4.2.2	With sewer bricks conforming to IS : 4885	each	1449.20
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	1475.40

	19.4.3.2	With Sewer bricks conforming to IS : 4885	each	1555.70
<b>19.5</b>	<b>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 :</b>			
	19.5.1	100 mm diameter	metre	18.80
	19.5.2	150 mm diameter	metre	20.80
	19.5.3	200 mm diameter	metre	22.20
	19.5.4	250 mm diameter	metre	23.50
	19.5.5	300 mm diameter	metre	24.90
	19.5.6	350 mm diameter	metre	28.70
	19.5.7	400 mm diameter	metre	31.30
	19.5.8	450 mm diameter	metre	32.70
<b>19.6</b>	<b>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 :</b>			
	19.6.1	100 mm dia. R.C.C. pipe	metre	312.90
	19.6.2	150 mm dia. R.C.C. pipe	metre	337.10
	19.6.3	250 mm dia. R.C.C. pipe	metre	438.70
	19.6.4	300 mm dia. R.C.C. pipe	metre	481.80
	19.6.5	450 mm dia. R.C.C. pipe	metre	659.70
	19.6.6	500 mm dia. R.C.C. pipe	metre	901.70
	19.6.7	600 mm dia. R.C.C. pipe	metre	1358.00
	19.6.8	700 mm dia. R.C.C. pipe	metre	1544.40
	19.6.9	800 mm dia. R.C.C. pipe	metre	1735.80
	19.6.10	900 mm dia. R.C.C. pipe	metre	1921.20
	19.6.11	1000 mm dia. R.C.C. pipe	metre	2373.90
	19.6.12	1100 mm dia. R.C.C. pipe	metre	2799.00
	19.6.13	1200 mm dia. R.C.C. pipe	metre	2952.40
<b>19.7</b>	<b>Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :</b>			
	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	6641.80
	19.7.1.2	With Sewer bricks conforming to IS : 4885	each	6851.90
	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	15520.90
	19.7.2.2	With Sewer bricks conforming to IS : 4885	each	16095.60
	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	20552.50
	19.7.3.2	With Sewer bricks conforming to IS : 4885	each	21046.90
	<b>19.8</b>	<b>Extra for depth for manholes :</b>		
	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	4611.50
	19.8.1.2	With Sewer bricks conforming to IS : 4885	metre	5223.30
	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	5516.90
	19.8.2.2	With Sewer bricks conforming to IS : 4885	metre	6246.20
	<b>19.9</b>	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	6479.60
	19.9.1.2	With Sewer bricks conforming to IS : 4885	each	6773.90
	<b>19.10</b>	<b>Extra depth for circular type manhole 0.91m internal dia (at bottom)</b>		
	19.10.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	metre	4447.55
	19.10.2	With Sewer bricks conforming IS : 4885	metre	4447.55

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	11976.20
19.11.1.2	With Sewer bricks conforming IS : 4885	each	13243.50
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	5106.30
19.12.2	With Sewer bricks conforming IS : 4885	metre	5774.90
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	<b>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) :</b>		
19.13.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 100A	each	25894.80
19.13.1.2	With Sewer bricks conforming IS : 4885	each	28102.70
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	12366.50	
	19.14.2	With Sewer bricks conforming IS : 4885	metre	14095.60	
<b>19.15</b>	<b>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 :</b>				
	19.15.1	With 20x20 mm square bar	each		
	19.15.2	With 20 mm diameter round bar	each		
<b>19.16</b>	<b>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.</b>			each	201.70
<b>19.17</b>	<b>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) :</b>				
	19.17.1	With 20x20 mm square bar	each	229.10	
	19.17.2	With 20 mm diameter round bar	each	219.40	
<b>19.18</b>	<b>Supplying and fixing C.I. cover without frame for manholes :</b>				
	19.18.1	455x610 mm rectangular C.I. cover (light duty) the weight of the cover to be not less than 23 kg	each	1300.50	
	19.18.2	500 mm diameter C.I. cover (medium duty) the weight of the cover to be not less than 58 kg	each	2951.10	
	19.18.3	560 mm diameter C.I. cover (heavy duty) the weight of the cover to be not less than 108 kg	each	6356.90	
<b>19.19</b>	<b>Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality</b>				
	19.19.1	L D- 2.5			
	19.19.1.1	Rectangular shape 600x450 mm internal dimensions	each	1120.70	
	19.19.1.2	Square shape 450 mm internal dimensions	each	961.60	
	19.19.1.3	Circular shape 450 mm internal diameter	each	898.60	
	19.19.2	M D - 10			
	19.19.2.1	Square shape 450 mm internal dimension	each	1064.40	
	19.19.2.2	Circular shape 500 mm internal diameter	each	980.80	
	19.19.3	H D - 20			
	19.19.3.1	Circular shape 560 mm internal diameter	each	1557.10	
	19.19.4	EHD - 35			

	19.19.4.1	Circular shape 560 mm internal dia	each	1714.50
19.20	<b>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</b>		each	295.60
19.21	<b>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 :</b>			
	19.21.1	For pipes 100 to 250 mm diameter	each	231.50
	19.21.2	For pipes 250 to 300 mm diameter	each	275.50
	19.21.3	For pipes 350 to 450 mm diameter	each	400.20
19.22	<b>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 :</b>			
	19.22.1	100 mm dia sand cast iron drop connection	each	4596.10
	19.22.2	150 mm dia sand cast iron drop connection	each	6168.00
19.23	<b>Extra for depths beyond 60 cm of sand cast iron drop connection complete :</b>			
	19.23.1	For 100 mm dia sand cast iron drop connection	metre	1539.70
	19.23.2	For 150 mm dia sand cast iron drop connection	metre	2090.90
19.24	<b>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 :</b>			
	19.24.1	Rectangular manhole 90x80 cm and 45 cm deep	each	608.00
	19.24.2	Rectangular manhole 120x90 cm and 90 cm deep	each	1075.50
	19.24.3	Rectangular arch type manhole 140x90 cm and 2.45 m deep	each	1808.70
	19.24.4	Circular manhole 122 cm diameter and 1.68 m deep	each	1385.00
19.25	<b>Extra for depth of manholes dismantled :</b>			
	19.25.1	Rectangular manhole 90x80 cm and beyond 45 cm depth	metre	435.20

	19.25.2	Rectangular manhole 120x90 cm and beyond 90 cm depth	metre	518.00
	19.25.3	Rectangular arch type manhole 140x90 cm and beyond 2.45 m depth (up to 4.25 m depth)	metre	417.40
	19.25.4	Circular manhole 122 cm diameter and beyond 1.68 m depth (up to 2.29 m depth)	metre	471.40
<b>19.26</b>	<b>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) :</b>			
	19.26.1	Rectangular manhole 90x80 cm with rectangular cover 600x450 mm of grade LD - 2.5	each	983.00
	19.26.2	Rectangular manhole 120x90 cm with circular cover 500 mm dia of grade MD - 10	each	1539.60
	19.26.3	Rectangular manhole 120x90 cm with circular cover 560 mm dia of grade HD - 20	each	1437.70
	19.26.4	Circular manhole 140 cm dia with circular cover 600 mm dia of grade EHD - 35	each	155.10
<b>19.27</b>	<b>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 :</b>			
	19.27.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	3117.30
<b>19.28</b>	<b>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 :</b>			
	19.28.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	3566.40
<b>19.29</b>	<b>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 :</b>			
	19.29.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	6041.20
<b>19.30</b>	<b>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 :</b>			

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	3949.10
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	4562.00
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	5195.00
<b>19.31</b>	<b>Extra for depth beyond 45 cm of brick masonry chamber :</b>		
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	3222.80
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	3511.20
19.31.3	For 600x850 mm size		
19.31.3.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	metre	4082.30
<b>19.32</b>	<b>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.</b>		
19.32.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	25900.10
<b>19.33</b>	<b>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.</b>	each	2962.40
<b>19.34</b>	<b>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 :</b>		
19.34.1	100 mm dia	each	283.80
19.34.2	150 mm dia	each	383.10
<b>19.35</b>	<b>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</b>		
19.35.1	450 mm dia RCC pipes.	metre	1972.10
19.35.2	600 mm dia RCC pipes.	metre	2595.10
19.35.3	900 mm dia RCC pipes.	metre	4093.60
19.35.4	1000 mm dia RCC pipes. (Laying by manual/machanical means)	metre	5052.70
19.35.5	1200 mm dia RCC pipes. (Laying by manual/machanical means)	metre	6615.10
19.35.6	1800 mm dia RCC pipes. (Laying by manual/machanical means)	metre	12274.70



<b>19.36</b>	<b>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</b>		
19.36.1	450 mm dia RCC pipes.	metre	2270.50
19.36.2	600 mm dia RCC pipes.	metre	2991.80
19.36.3	900 mm dia RCC pipes.	metre	5913.30
19.36.4	1000 mm dia RCC pipes.(Laying machanical means)	metre	7168.40
19.36.5	1200 mm dia RCC pipes. (Laying machanical means)	metre	8466.30
19.36.6	1800 mm dia RCC pipes. (Laying machanical means)	metre	17557.90

**SUB HEAD: 20.0**

**PILE WORK**

BUILDING WORK - Contd.			
<b>20.0 PILE WORK</b>			
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	1665.40
20.1.2	450 mm dia piles	metre	2027.20
20.1.3	500 mm dia piles	metre	2432.70
20.1.4	550 mm dia piles	metre	2583.50
20.1.5	750 mm dia piles	metre	4269.00
20.1.6	1000 mm dia piles	metre	6904.50
20.1.7	1200 mm dia piles	metre	8649.20
20.1.8	1500 mm dia piles	metre	11795.70
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	1309.30
20.2.2	400 mm dia piles	metre	1523.20
20.2.3	450 mm dia piles	metre	1978.80
20.2.4	500 mm dia. piles	metre	2306.60
20.2.5	600 mm dia piles	metre	2996.10
20.2.6	750 mm dia piles	metre	4219.70
20.2.7	1000 mm dia piles	metre	6908.70
20.2.8	1200 mm dia piles	metre	8778.40
20.2.9	1500 mm dia piles	metre	12269.50
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	1934.20

	20.3.2	400 mm dia piles	metre	2225.30
	20.3.3	450 mm dia piles	metre	2397.50
	20.3.4	550 mm dia piles	metre	2605.10
<b>20.4</b>	<b>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).</b>			
	20.4.1	300mm dia piles	each	1240.10
	20.4.2	400mm dia piles	each	1373.80
	20.4.3	450 mm dia piles	each	1454.80
	20.4.4	550 mm dia piles	each	1597.20
<b>20.5</b>	<b>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).</b>			
	20.5.1	400 mm dia piles	metre	2076.40
	20.5.2	450 mm dia piles	metre	2394.00
	20.5.3	500 mm dia piles	metre	2541.90
	20.5.4	550 mm dia piles	metre	2813.30
	20.5.5	750 mm dia piles	metre	4829.70
	20.5.6	1000 mm dia piles	metre	6415.10
<b>20.6</b>	<b>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 &amp; the direction of Engineer in-charge.</b>			
	20.6.1	Single pile upto 50 tonne capacity		
	20.6.1.1	Initial test	per test	41809.50
	20.6.1.2	Routine test	per test	18889.80
	20.6.2	Single pile above 50 tonne and upto 100 tonne capacity		
	20.6.2.1	Initial test	per test	50750.70
	20.6.2.2	Routine test	per test	28964.40
	20.6.3	Group of two or more piles upto 50 tonne capacity		
	20.6.3.1	Initial test	per test	61077.20
	20.6.3.2	Routine test	per test	37150.00
<b>20.7</b>	<b>Cyclic vertical load testing of pile in accordance with IS Code of practice IS: 2911 (part IV) including preparation of pile head etc for.</b>			
	20.7.1	Single pile		
	20.7.1.1	Upto 50 tonne capacity pile	per test	18889.80

	20.7.1.2	Above 50 tonne and upto 100 tonne capacity pile	per test	28964.40
	20.7.2	Group of two piles		
	20.7.2.1	Upto 50 tonne capacity each	per test	37150.00
<b>20.8</b>	<b>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 :</b>			
	20.8.1	Upto 50 tonne capacity pile	per test	18889.80
	20.8.2	Above 50 tonne and upto 100 tonne capacity pile	per test	29720.00
<b>20.9</b>	<b>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 &amp; chipping lean concrete lumps etc. and use of computerised equipment and high skill trained personal for conducting the test &amp; submission of results, all complete as per direction of Engineer-in-charge.</b>		per test	755.80
	<b>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 &amp; importance of the project.</b>			

**SUB HEAD: 21.0**  
**ALUMINIUM WORK**

BUILDING WORK - Contd.			
<b>21.0 ALUMINIUM WORK</b>			
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	354.80
21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	386.60
21.1.1.3	Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	kg	394.50
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	400.60
21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	433.00
21.1.2.3	Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	kg	429.70
21.2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.		
21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	sqm	1055.50
21.2.2	Pre-laminated particle board with decorative lamination on both sides	sqm	1108.30

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	775.70
21.3.2	With float glass panes of 5.50 mm thickness	sqm	1013.20
21.3.3	With float glass panes of 8 mm thickness	sqm	1293.50
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	2125.70
21.4.2	With brass cover plate minimum 1.25 mm thickness	each	2314.60
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-incharge (level adjusting hangers, ceiling cleats and expansion hold fasteners to be paid for separately).	kg	461.60
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	109.70



21.7	<b>Providing and fixing machine moulded aluminium covering of approved pattern &amp; 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 &amp; 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.</b>			
	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	489.10
	21.7.2	Powder coated aluminium sheet 2.5mm thick (minimum thickness of powder coating 50 micron)	kg	520.80
21.8	<b>Filling the gap in between aluminium frame &amp; 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.</b>			
	21.8.1	Upto 5mm depth and 5 mm width	metre	89.90
21.9	<b>Extra for applying additional anodic coating AC 25 instead of AC 15 to aluminium extruded sections.</b>			
	21.9.1	For fixed portion	kg	12.60
	21.9.2	For shutters of doors, windows & ventilators	kg	12.60
21.10	<b>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.</b>		sqm	3549.50
21.11	<b>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.</b>			
	21.11.1	205 X 19 mm	each	225.30
	21.11.2	255 X 19 mm	each	279.50
	21.11.3	355 X 19 mm	each	355.00
	21.11.4	510 X 19 mm	each	625.80
	21.11.5	710 X 19 mm	each	1079.10
21.12	<b>Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick &amp; 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge.</b>			

	21.12.1	Anodized (AC 15 ) aluminium tubular handle bar	each	498.80
	21.12.2	Powder coated minimum thickness 50 micron aluminium tubular handle bar	each	548.20
	21.12.3	Polyester powder coated minimum thickness 50 micron aluminium tubular handle bar	each	589.40
	<b>21.13</b>	<b>Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.</b>	each	385.30
	<b>21.14</b>	<b>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).</b>	kg	332.40
	<b>21.15</b>	<b>Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete.</b>		
	21.15.1	Anodized (AC 15) aluminium	each	54.30
	21.15.2	Powder coated minimum thickness 50 micron aluminium	each	55.60
	21.15.3	Polyester powder coated minimum thickness 50 micron aluminium	each	54.30
	<b>21.16</b>	<b>Providing and fixing aluminium round shape handle of outer dia 100mm with SS screws etc. complete as per direction of Engineer in-charge</b>		
	21.16.1	Anodized (AC 15 ) aluminium	each	65.70
	21.16.2	Powder coated minimum thickness 50 micron aluminium	each	72.00
	21.16.3	Polyester powder coated minimum thickness 50 micron aluminium	each	78.30
	<b>21.17</b>	<b>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).</b>	kg	413.50

21.18	<b>Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top &amp; bottom pivot &amp; 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).</b>	sqm	4868.90
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**SUB HEAD: 22.0**

**Water proofing**

BUILDING WORK - Contd.				
<b>22.0 Water proofing</b>				
<b>Code No.</b>	<b>Description</b>		<b>Unit</b>	<b>. Rate Rs.</b>
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	937.70
	22.1.2	Using rough red sand stone.	sqm	829.30
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	1157.10
	22.2.2	Using rough red sand stone.	sqm	1046.30
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	358.60
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	521.90
	22.4.2	Dumb bell with Central bulb (180 mm wide, 8 mm thick)	m	495.70

BUILDING WORK - Contd.				
<b>22.0 Water proofing</b>				
Code No.	Description		Unit	Rate Rs.
	22.4.3	Kickers (320 mm wide, 5 mm thick)	m	476.80
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 <sup>3</sup> per sqm including preparation of surface excluding grading for slope etc. complete.		sqm	343.30
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 <sup>3</sup> per sqm , including preparation of surface excluding grading for slope etc. complete.		sqm	539.90
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 <sup>2</sup> per sqm including preparation of surface ' excluding grading for slope etc, complete.		sqm	735.90
25.8	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. <b>(a)</b> 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>(b)</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. <b>(c)</b> After two days of proper curing applying a second coat of cement slurry admixed with proprietary water proofing compound conforming to IS : 2645. <b>(d)</b> 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			
	22.8.1	With average thickness of 120 mm and minimum thickness at khurras point to be 65 ..	sqm	623.70

BUILDING WORK - Contd.			
<b>22.0 Water proofing</b>			
Code No.	Description	Unit	. Rate Rs.
25.9.1	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 (lcement:3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12mm layer of cement mortar 1:3 (1 cement: 3 fine sand) and finished neat which shall be paid for separately .	sqm	414.60
22.9.2	Providing and laying in situ five course water proofing treatment with <b>APP</b> (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	317.60
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	522.70

BUILDING WORK - Contd.			
<b>22.0 Water proofing</b>			
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	<b>2 mm (for corrugated roof sheets).</b>	sqm	<b>343.40</b>
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	<b>3 mm thick.</b>	sqm	<b>398.80</b>
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.		



BUILDING WORK - Contd.			
<b><u>22.0 Water proofing</u></b>			
<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>. Rate Rs.</b>
22.20.1	3 mm thick.	sqm	451.40
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	63.00

**SUB HEAD: 23.0**

**Horticulture and Landscaping**

BUILDING WORK-Contd.

**23.0 Horticulture and 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	23.50
23.2	Supplying and stacking of good earth at site including royalty but excluding carriage (earth measured in stacks will be reduced by 20% for payment).	cum	76.20
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	19.50
23.4.2	Screened through sieve of I.S. Designation 16 mm	cum	30.30
23.4.3	Screened through sieve of I.S. designation 4.75 mm	cum	38.90
23.5	Rough dressing the trenched ground including breaking clods.	100sqm	44.30
23.6	Uprooting weeds form the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation.	100sqm	148.60
23.7	Fine dressing the ground	100sqm	109.10
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	15.50
23.9	Mixing earth and sjudge or manure in porportion specified or directed.	cum	11.10
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	168.30
23.10.2	In rows 7.5 cm apart in either direction.	100sqm	353.50
23.10.3	In rows 5 cm apart in either direction.	100sqm	542.40

BUILDING WORK-Contd.

**23.0 Horticulture and Landscaping**

Code No.	Description	Unit	Rate Rs.
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	1040.20
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	1818.80
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 drected, within a lead of 50 m lift upto 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately).	cum	67.30
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	283.30
	23.14.2 Holes 60 cm ciia. And 60 cm deep.	each	36.10
23.15	Half brick circular tree guard in 50 class designation bricks, internal diameter 1.25 metre and height 1.? 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 ortar 1:6 (1 cement:6 fine sand) and the intermediate courses being in dry honey comb masonry as per design complete:		
	23.15.1 With F.P.S. Bricks	each	1374.30

## BUILDING WORK-Contd.

**23.0 Horticulture and Landscaping**

<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
<b>23.16</b>	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.	<b>each</b>	<b>2441.60</b>
<b>23.19</b>	Edging with bricks laid dry length wise including excavation, refilling, consolidating with hand packing and spreading neatly susrplus earth within a lead of 50 m:		
<b>23.19.1</b>	100A class designation.		
<b>23.19.1.1</b>	F.P.S.Bricks	<b>m</b>	<b>33.00</b>
<b>23.19.1.2</b>	100Bclass designation.	<b>m</b>	<b>30.50</b>
<b>23.20</b>	Filling mixture of earth and sludge or manure in the deisired proportion in trenches, flooding with water and levelling (cost of supplying earth and sludge nr manure and mixing excluded).	<b>m</b>	<b>5.10</b>
<b>23.21</b>	Excavation in dumped stones or malba including stacking of serviveable 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.	<b>cum</b>	<b>155.20</b>
<b>23.22</b>	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,	<b>cum</b>	<b>172.50</b>
<b>23.23</b>	Excavation in water bound macadam road including stacking the serviceable and unserviceable material seperately and disposal of unserviceabel material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed.	<b>cum</b>	<b>210.20</b>
<b>23.24</b>	Flooding the ground with water including making kiaries and dismantelling the same.	<b>100sqm</b>	<b>66.20</b>

**SUB HEAD: 24.0**  
**RAIN WATER HARVESTING &**  
**TUBEWELLS**

BUILDING WORK - Contd.			
<b>24.0 RAIN WATER HARVESTING &amp; TUBEWELLS</b>			
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	372.80
24.1.1.2	350 mm dia	metre	407.70
24.1.1.3	400 mm dia	metre	521.90
24.1.2	Rocky strata including Boulders		
24.1.2.1	300 mm dia	metre	816.30
24.1.2.2	350 mm dia	metre	841.00
24.1.2.3	400 mm dia	metre	928.50
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	434.90
24.2.1.2	350 mm dia	metre	502.30
24.2.1.3	400 mm dia	metre	682.10
24.2.2	Rocky strata including Boulders		
24.2.2.1	300 mm dia	metre	861.30
24.2.2.2	350 mm dia	metre	883.30
24.2.2.3	400 mm dia	metre	1099.30
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	457.90
24.3.2	150 mm nominal size dia	metre	634.40
24.3.3	200 mm nominal size dia	metre	950.40
24.4	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.		

	24.4.1	100 mm nominal size dia	metre	483.20
	24.4.2	150 mm nominal size dia	metre	571.40
	24.4.3	200 mm nominal size dia	metre	887.70
	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	496.90
	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	937.60
	24.7	Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer -in-charge.	cum	874.70
	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	1011.40
	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 & 9 nos 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	1039.50
	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.		
	24.10.1	100 mm nominal size dia having minimum wall thickness 5.00 mm	metre	1038.00
	24.10.2	150 mm nominal size dia having minimum wall thickness 5.00 mm	metre	1420.00
	24.10.3	200 mm nominal size dia having minimum wall thickness 5.40 mm	metre	1744.10



24.11	<b>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 &amp; labour charges, fittings &amp; accessories, all complete, for all depths, as per direction of Engineer -in-charge.</b>			
	24.11.1	100 mm nominal size dia	metre	1102.50
	24.11.2	150 mm nominal size dia	metre	1513.70
	24.11.3	200 mm nominal size dia	metre	1841.20
24.12	<b>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 &amp; draw down etc. by step draw down method, collecting water samples &amp; getting tested in approved laboratory, i/c disinfection of tubewell, all complete, including hire &amp; labour charges of air compressor, tools &amp; accessories etc., all as per requirement and direction of Engineer-in-charge.</b>		hour	646.00
24.13	<b>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:</b>			
	24.13.1	100 mm dia	each	171.90
	24.13.2	150 mm dia	each	211.60
	24.13.3	200 mm dia	each	264.50
24.14	<b>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 &amp; nuts of required size complete.</b>			
	24.14.1	100 mm clamp	each	991.20
	24.14.2	150 mm clamp	each	1048.70
	24.14.3	200 mm clamp	each	1327.90
24.15	<b>Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I).</b>			
	24.15.1	100 mm dia	each	212.20
	24.15.2	150 mm dia	each	262.50
	24.15.3	200 mm dia	each	287.70

**SUB HEAD: 25.0**  
**CONSERVATION OF HERITAGE**  
**BUILDINGS**

BUILDING WORK - Contd.			
<b><u>25.0 CONSERVATION OF HERITAGE BUILDINGS</u></b>			
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	15.20
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 challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, 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	118.30
	<b>Note:-</b> (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	48.10

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	22.80
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	83.40
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	83.40
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	274.30
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	78.50

**SUB HEAD: 26.0**  
**STRUCTURAL GLAZING AND**  
**ALUMINIUM COMPOSITE PANEL**

**26.0 STRUCTURAL GLAZING AND ALUMINIUM COMPOSITE PANEL**

Code No.	Description	Unit	. Rate Rs.
26.1	<p>Providing and supplying aluminium extruded tubular and other aluminium sections as per the rchitectural drawings and approved shop drawings , the aluminium quality as per grade 6063 T5 or T6</p> <p>as per BS 1474,including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge. ( The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account).</p>	kg	366.70
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 &amp; 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 &amp; 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 Dimentional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon seperator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers.</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	2670.20

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 Laboratories),Department of Science &Technologies, India. Cost of testing is payable separately. The NIT approving authority will decide the necessity of testing on the basis of cost of the work, cost of the test and importance of the work. Performance Testing of Structural glazing system Tests to be conducted in the NBL Certified laboratories  
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>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 desing 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	4279.50



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	3286.20
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 # 1 of 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	1767.30
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	3101.90
26.7	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including:		

<p>a) Structural analysis &amp; 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 &amp; 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 item.s</p> <p>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>	<p>sqm</p>	<p>4003.20</p>
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<p>26.8</p>	<p><b>"Design supply &amp; installation of suspended Spider Glozing system designed to withstand the wind pressure as pr IS 875 (Part-III). The Suspended System held with Spider Fittings of SS-316 Grade Steel of approved manufacturer with glass panel having 12 mm thick clear toughened glass held together with SS- 316 Grade Stainless steel Spider &amp; 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 &amp; Anchor bolts and at the bottom using SS channel of 50x25x2mm using fastener &amp; 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 &amp; seismic movements etc. The joints between glass panels (6 to 8 mm) and gaps at the perimeter &amp; in U channel of the assembly to be filled with non staining weather sealant, so as to make the entire system fully water proof &amp; dust proof.</b></p> <p><b>The rate shall include all design, Engineering and shop drawing including approval from structural designer, labour, T&amp;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.</b></p> <p><b>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. "</b></p>	<p>sqm</p>	<p>3718.80</p>
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