



BUILDING CONSTRUCTION DEPARTMENT

Schedule of Rates (ELECTRICAL)

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BUILDING CONSTRUCTION DEPARTMENT BIHAR

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**BUILDING CONSTRUCTION DEPARTMENT
BIHAR, PATNA**

प्रस्तावना

बिहार लोक निर्माण संहिता की कंडिका- 103 के संशोधन के आलोक में बिहार सरकार, पथ निर्माण विभाग द्वारा निर्गत संकल्प -सह- पठित ज्ञापांक-01/बी0-12-2003-5762 (एस0) डब्लू0 ई0 पटना दिनांक-05.06.2006 में यह प्रावधान किया गया है कि अनुसूचित दर के निर्धारण के लिए दर विश्लेषण तथा सामग्रियों का दर निर्धारण पथ निर्माण विभाग के संयोजन में गठित राज्यस्तरीय अनुसूचित दर निर्धारण समिति द्वारा किया जायेगा। वर्तमान में राज्यस्तरीय अनुसूचित दर निर्धारण समिति के सदस्य इस प्रकार है :-

1. अभियंता प्रमुख, पथ निर्माण विभाग, बिहार, पटना — संयोजक
2. अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना — सदस्य
3. अभियंता प्रमुख, भवन निर्माण विभाग, बिहार, पटना — सदस्य
4. अभियंता प्रमुख, जल संसाधन विभाग, बिहार, पटना — सदस्य
5. अभियंता प्रमुख, लघु जल संसाधन विभाग, बिहार, पटना — सदस्य
6. अभियंता प्रमुख, लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना — सदस्य
7. मुख्य अभियंता (असैनिक) बिहार स्टेट पावर होल्डिंग कम्पनी लि0, पटना — सदस्य
8. अभियंता प्रमुख, तकनीकी परीक्षण कोषांग, निगरानी विभाग, बिहार, पटना— सदस्य
9. मुख्य अभियंता (विद्युत), भवन निर्माण विभाग, बिहार, पटना — सदस्य

बिहार लोक निर्माण संहिता की कंडिका- 103 में संशोधन के पश्चात राज्यस्तरीय दर निर्धारण समिति द्वारा अनुमोदित विद्युत सामग्रियों का दर एवं कार्य मदों के फॉरमेट के आधार पर ऊर्जा विभाग के द्वारा विद्युत अनुसूचित दर पुस्त का प्रथम संस्करण दिनांक- 20.04.2009 से एवं द्वितीय संस्करण दिनांक-01.10.2016 से भवन निर्माण विभाग द्वारा लागू किया गया था।

विद्युत अनुसूचित दर पुस्त के तृतीय संस्करण के लिए राज्यस्तरीय अनुसूचित दर निर्धारण समिति द्वारा दिनांक-08.05.2018 के बैठक में विद्युत सामग्रियों के बेसिक दर GST के साथ किया गया। तत्पश्चात समिति द्वारा अनुमोदित बेसिक दर एवं दर विश्लेषण फॉरमेट के आधार पर विद्युत अनुसूचित दर पुस्त तैयार कर अनुमोदन हेतु भेजा गया।

दिनांक-14.08.2018 के बैठक में उपस्थित सभी सदस्यों द्वारा केन्द्रीय लोक निर्माण विभाग द्वारा GST के उपरान्त प्रकाशित दर फॉरमेट के आधार पर संशोधन के पश्चात विद्युत दर पुस्तिका का तृतीय संस्करण को उनके पत्रांक-37 (अनु0) दिनांक-31.08.2018 द्वारा अनुमोदित किया गया।

इस पुस्तिका के संस्करण में कुछ कार्य मदों को विलोपित कर अन्य कार्य मदों का समावेश किया गया है। इस पुस्तक के संस्करण के पश्चात भी श्रम दर एवं विद्युत समाग्रियों का दर समय-समय पर बाजार दरों में आयी घटोतरी-बढ़ोतरी को देखते हुए लगभग तीन माह पर राज्यस्तरीय अनुसूचित दर निर्धारण समिति की बैठक होती है, जिसमें दरों का अद्यतन किया जाता है।


दर विश्लेषण में श्रमिक कल्याण कोष हेतु 1 (एक प्रतिशत) सेस का प्रावधान किया गया है। कार्य मदों में प्रयुक्त होने वाले विद्युत समाग्रियों का Brand Name इस पुस्तिका के पेज नं०-22 पर अंकित है।

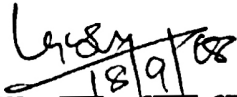
बिहार लोक निर्माण संहिता की कंडिका- 103 के संशोधन के पश्चात यह विद्युत अनुसूचित दर पुस्तक का तृतीय संस्करण है। यद्यपि यह सभी सदस्यों के देख-रेख में तैयार किया गया है फिर भी ऐसी संभावना है कि कुछ त्रुटियाँ रह गई हो जो व्यवहार में लाने के क्रम में दृष्टिगोचर हो सकती है ऐसी स्थिति में अनुरोध है कि उन त्रुटियों की जानकारी मुख्य विद्युत अभियंता, भवन निर्माण विभाग, बिहार, पटना को दूरभाष सं०-0612-2545059 पर या व्यक्तिगत रूप से अविलम्ब दी जाय, ताकि सम्यक विचारोपरान्त उन त्रुटियों का समुचित निराकरण किया जा सके।

भवन निर्माण विभाग बिहार, पटना के वर्तमान अनुसूचित दर के तृतीय संस्करण को तैयार करने तथा उसे प्रभावी बनाने में निम्नलिखित पदाधिकारियों का अथक परिश्रम एवं सहयोग रहा है जिसके लिए विभाग इनकी सराहना करती है :-

- | | | |
|--------------------------|---|-------------------------|
| (1) ई० रमेन्द्र कुमार | — | विद्युत अधीक्षण अभियंता |
| (2) ई० आदित्य राज | — | सहायक विद्युत अभियंता |
| (3) ई० विपिन कुमार | — | सहायक विद्युत अभियंता |
| (4) ई० ज्ञान रत्न | — | सहायक विद्युत अभियंता |
| (5) ई० रंजीत प्रताप रौशन | — | कनीय विद्युत अभियंता |
| (6) ई० अनुप कुमार सिंह | — | कनीय विद्युत अभियंता |

यह अनुसूचित दर पुस्तक दिनांक- 27.09.2018 से प्रभावी किया जाता है।


मुख्य विद्युत अभियंता
भवन निर्माण विभाग, बिहार, पटना।


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

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

पत्रांक:- गु0नि0(पथ)- 02/2006 अंश-II

38 (अनु०)

/दिनांक:- 31/08/2018

प्रेषक,

लक्ष्मी नारायण दास,
संयोजक

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

सेवा में,

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

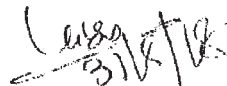
विषय:-राज्य स्तरीय अनुसूचित दर निर्धारण समिति द्वारा दिनांक-14.08.2018 की बैठक में लिये गये निर्णय से संबंधित कार्यवाही की प्रति के प्रेषण के संबंध में।

महाशय,

उपर्युक्त विषय के संबंध में कहना है कि दिनांक-14.08.2018 की बैठक में राज्य स्तरीय अनुसूचित दर निर्धारण समिति द्वारा लिये गये निर्णय की कार्यवाही की प्रति आवश्यक कार्रवाई हेतु समर्पित की जाती है।

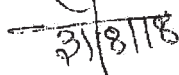
अनु०-यथोक्त।

विश्वासभाजन


(लक्ष्मी नारायण दास)

संयोजक

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



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

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

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

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

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

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

4. अन्यान्य:-

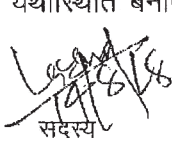
(i) लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना से प्राप्त सोलर वाटर DC Submersible Pump 1HP, 2HP एवं 3HP के दर अनुमोदन के संबंध में- इस संबंध में 1HP, 2HP एवं 3HP Solar Water DC Submersible Pump की आपूर्ति, अधिष्ठापन, मरम्मत, सम्पोषण एवं रख-रखाव से संबंधित दर प्रस्ताव पर विचार-विमर्श किया गया। समिति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

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

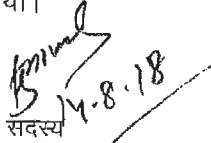


विद्युत प्रभाग द्वारा समर्पित प्रस्ताव पर समिति के सदस्यों द्वारा विचार-विमर्श किया गया तथा संलग्न सूची के अनुसार विद्युत सामग्रियों के अनुसूचित दर पुस्तक को अनुमोदित करने का निर्णय लिया गया।

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


सदस्य

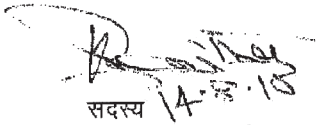
राज्य स्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख, भवन
निर्माण विभाग, बिहार, पटना।


सदस्य

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

सदस्य

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


सदस्य

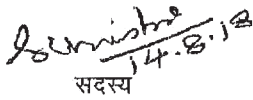
राज्य स्तरीय अनुसूचित दर निर्धारण
समिति-सह-मुख्य अभियंता
(असैनिक) बिहार स्टेट पावर
होल्टिंग कंपनी लि0, बिहार, पटना


सदस्य

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


सदस्य

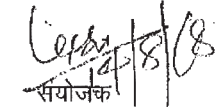
राज्य स्तरीय अनुसूचित दर निर्धारण
समिति-सह-अभियंता प्रमुख,
तकनीकी परीक्षण कोषांग, निगरानी
विभाग, बिहार, पटना


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,
मुख्यालय जल संसाधन विभाग, बिहार,
पटना।


सदस्य

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

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

पत्रांक:- मु0 नि0 (पथ)- 11/2007 अंश-II
प्रेषक,

37 (अनु0)

/दिनांक:- 31/08/2018

लक्ष्मी नारायण दास,
संयोजक

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

सेवा में,

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

विषय:- भवन निर्माण विभाग, बिहार, पटना के अन्तर्गत विद्युत संबंधी कार्य में प्रयुक्त सामग्रियों के दर संबंधी अनुमोदित अनुसूचित दर पुस्तक के प्रेषण के संबंध में।

प्रसंग:- आपका पत्रांक-813(वि.) दिनांक-10.08.2018
महाशय,

उपर्युक्त विषय के संदर्भ में कहना है कि राज्यस्तरीय अनुसूचित दर निर्धारण समिति की दिनांक-14.08.2018 के बैठक में भवन निर्माण विभाग, बिहार, पटना के अन्तर्गत विद्युत संबंधी कार्य में प्रयुक्त सामग्रियों के दर संबंधी अनुमोदित अनुसूचित दर पुस्तक की प्रति अग्रतर कार्रवाई हेतु समर्पित की जाती है। यदि नई स्वीकृत दरों में कोई त्रुटि या विसंगति परिलक्षित हुई, तो इसकी सूचना अधोहस्ताक्षरी को अविलम्ब देने की कृपा की जाय।

- अनु0- 1) अनुसूचित दर पुस्तक की छाया प्रति (70 पृष्ठों में)
2) दर-विश्लेषण पुस्तक की छाया प्रति (419 पृष्ठों में)

विश्वासभाजन

(लक्ष्मी नारायण दास)
संयोजक

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

CE (P) P. S. Acharya
31/8/18

30/8/18

31/8/18

31/8/18

2540
31/8/18

263

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

पत्रांक:- मु0नि0 (पथ) -11/2007
प्रेषक,

23 (अनु०)

/दिनांक:- 21/05/2018

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 के अन्तर्गत विद्युत अनुसूचिता दर अनुमोदन के उपरान्त प्रेषण के संबंध में।

प्रसंग:- भवदीय पत्रांक-प्र0-21/ विविध बैठक-05/14-235 (वि0), दिनांक-17.03.18
महाशय,

उपरोक्त विषय के संदर्भ में कहना है कि राज्यस्तरीय अनुसूचित दर निर्धारण समिति की दिनांक-08.05.2018 के बैठक में भवन निर्माण विभाग, बिहार, पटना के अन्तर्गत विद्युत संबंधी कार्य में प्रयुक्त सामग्रियों के दर संबंधी अनुमोदित पुस्त की प्रति अगतर कार्रवाई हेतु समर्पित की जाती है।

अनु0-अनुसूचित दर पुस्त की छाया प्रति

(22) पृष्ठों में।

विश्वासभाजन

अधीक्षण अभियंता,

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

21/05/18

पत्रांक (अनु०)
23/5/18
मुख्यालय निरूपण अंचल
पथ निर्माण विभाग
पटना
21/05/18

176/6
23/5/18
23/5/18

दिनांक-08.05.2018 को आहूत राज्य स्तरीय अनुसूचित दर निर्धारण समिति की बैठक की कार्यवाही :-

1. दिनांक-13.03.2018 को आहूत राज्यस्तरीय अनुसूचित दर निर्धारण समिति की बैठक में नई स्टील कम्पनियों के संबंध में लिए गए निर्णय के संबंध में-दिनांक-13.03.2018 को आहूत बैठक की कार्यवाही की कंडिका-12 में अंकित निर्णय से संबंधित Dr. Uday K. Chatterjee Professor (Retd.), Department of Metallurgical & Material Engineering, Indian Institute of Technology, Kharagpur, India से विभाग के माध्यम से प्राप्त पत्र पर सम्यक रूप से विचार-विमर्श किया गया। उक्त पत्र में Iron Ore से Quality steel बनाने की Manufacturing process की त्रुटि पर ध्यान आकृष्ट कराया गया है, जिसमें Quality steel के Production हेतु मात्र तीन Advanced steel manufacturing Technologies को ही उपयुक्त बताया गया है, जिसकी पुष्टि CPWD (Central Public Works Department) के Notification No-DG/CPWD Works manual/350 dated-29.06.2017 द्वारा भी की गयी है। ये तीन Advanced steel manufacturing Technologies इस प्रकार हैं :-

- a) DRI-EAF= Direct Reduced iron-Electric ArcFurnace or
- b) BF-BOF= Blast Furnace-Basic oxygen Furnace or
- c) COREX-BOF= Corex- Basic oxygen Furnace

उक्त के आलोक में समिति के सभी सदस्यों द्वारा दिनांक-13.03.2018 को आहूत बैठक की कार्यवाही की कंडिका-12 में अंकित निर्णय की समीक्षा की गयी तथा इसमें Steel Manufacturing process में त्रुटि के कारण Steel के Quality में dilution होने की संभावना व्यक्त की गयी। इसके अतिरिक्त दिनांक-13.03.2018 को आहूत बैठक की कार्यवाही की कंडिका-12 की उपकंडिका- (3) में यह वर्णित है कि “ Chief Engineers/ Equivalent rank Officer of the works department shall approve the steel Manufacturers for each project under their jurisdiction”.

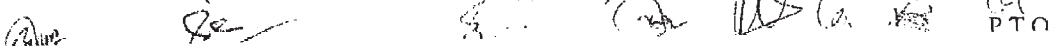
मुख्य अभियंता को दी गयी उक्त जिम्मेवारी से संबंधित निर्णय पर समिति के सदस्यों द्वारा वर्तमान में उनके पास उपलब्ध संसाधनों के साथ मुख्य अभियंता स्तर पर Quality steel Manufacturer के Foolproof selection पर संदेह व्यक्त किया गया। समिति के सदस्यों द्वारा यह भी महसूस किया गया कि वर्तमान कार्य बोझ के कारण मुख्य अभियंता को दी गयी यह जिम्मेवारी व्यवहारिक प्रतीत नहीं होती है।

उक्त के आलोक में समिति के सभी सदस्यों द्वारा सर्वसम्मति से सम्यक विचारोपरान्त निर्णय लिया गया कि पथ निर्माण विभाग के अनुसूचित दर पुस्त में पूर्व से सूचीबद्ध/अनुमोदित चारो स्टील कम्पनियों यथा SAIL, TATA, RINL एवं Shyam Steel Industries Ltd, Kolkatta का स्टील ही निर्माण कार्यों में उपयोग में लाया जाएगा।

तदआलोक में दिनांक-13.03.2018 की बैठक की कार्यवाही की कंडिका-12 में अंकित निर्णय के अंश जो निम्नलिखित है, को तत्काल प्रभाव से स्थगित किया जाता है :-

“ इसके अतिरिक्त जैसे Original Steel Producers (who manufacture billets directly from iron ores and roll the billets to produce steel conforming to IS 1786), जिनको अनिवार्य रूप से Valid BIS Certification प्राप्त है तथा जिनके स्टील Product पर BIS का Standard Mark मुद्रित है एवं जो IS 1786:2008 (With Amendment 1- November-2012) के सभी प्रावधानों को पूरा करते हों, के स्टील को निम्नांकित शर्तों के साथ कार्य करानेवाले विभाग/एजेंसी के द्वारा उपयोग में लाया जा सकता है:-

- 1) Quality of steel must conform to the provisions of IS 1786:2008(With Amendment 1- November-2012).No re-rolled steel shall be incorporated in the works.
- 2) The steel for all works must mandatorily be tested from NABL (National Accreditation Board for Testing & calibration Laboratories) accredited laboratories for conformity with IS-1786:2008(With Amendment 1- November-2012).

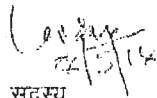
 P.T.O

- 3) Chief Engineer / equivalent rank officer of the Works Department shall approve the steel manufactures for each project under their jurisdiction.
- 4) Sample of steel must be taken and got tested by Engineer in charge as per provisions the relevant BIS Codes. In case, the test result indicates that the steel arranged by the contractor does not conform to the specifications, the same shall stand rejected and it shall be removed from the site of work by the Contractor at his cost within a week's time as per written order of Engineer in charge to do so.
- 5) The Contractor shall supply free of charge the steel required for testing including its transportation to testing laboratories. The cost of test shall be borne by the Contractor."

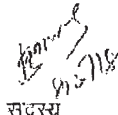
2. श्रम दर को अद्यतन करने के संबंध में --श्रम संसाधन विभाग, बिहार की अधिसूचना सं०-145 दिनांक-28.03.2018 के आलोक में पथ निर्माण कार्यों में प्रयुक्त 12 प्रकार के विभिन्न कर्मियों तथा बाँध निर्माण एवं सिंचाई कार्यों के लिए प्रयुक्त 71 प्रकार के कर्मियों के न्यूनतम दैनिक श्रम दर व अनुमोदन सदस्यों द्वारा सर्वसम्मति से अनुसूची-1 एवं 2 के अनुसार करने का निर्णय लिया गया यह दर भवन निर्माण, ग्रामीण कार्य विभाग, लोक स्वास्थ्य अभियंत्रण विभाग एवं अन्य कार्य विभाग के अंतर्गत कराये जाने वाले निर्माण कार्यों के उपयोग में लाया जा सकता है।

3. भवन निर्माण विभाग के अन्तर्गत विद्युत संबंधी कार्यों में उपयोग होने वाले सामग्रियों व दर अनुमोदन के संबंध में :- भवन निर्माण विभाग से प्राप्त प्रस्ताव के अनुसार विमर्शोपरांत 2018-19 के लिए भवन निर्माण विभाग के अन्तर्गत विद्युत संबंधी कार्य में प्रयुक्त सामग्रियों के दर को संलग्न विवरणी के अनुसार अनुमोदित किया गया।

4. अन्यान्य -- i) BST Infratech Limited द्वारा Metal Crash Barrier के Manufacturer के रूप में अपने Brand BSTL के Approval हेतु आवेदन दिया गया है। इस संबंध में समिति के सदस्यों द्वारा सर्वसम्मति से निर्णय लिया गया कि किसी कम्पनी विशेष के Brand name को अनुमोदित करने का कोई आवश्यकता नहीं है।


सदस्य

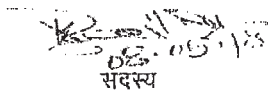
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सदस्य

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

सदस्य

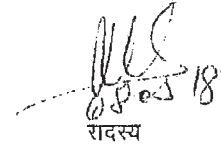
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सदस्य

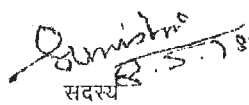
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सदस्य

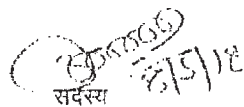
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सदस्य

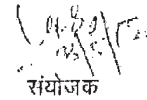
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सदस्य

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, मुख्यालय जल संसाधन विभाग, बिहार, पटना।


संयोजक

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

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CHAPTER – 0.1

**BASIC RATE OF LABOUR
& HIRE CHARGES**

BASIC RATE

0.1 BASIC RATE OF LABOUR & HIRE CHARGES

Note :- Labour rates are exclusive of contractor's profit & overhead but inclusive of days for weekly days of rest. Hire charges include the operating staff and lubricating oil & diesel etc.

Code No.	Description	Unit	Rate Rs.
9001	Wireman	day	294.00
9002	Lineman	day	294.00
9003	Fitter, Grade 1	day	348.00
9004	Fitter, Grade2	day	305.00
9005	Painter	day	323.00
9006	Khallasi	day	254.00
9007	Carpenter, Grade 1	day	342.00
9008	Blacksmith, Grade 2	day	305.00
9009	Mason, Grade 2	day	305.00
9010	Stone chiseler	day	254.00
9011	Beldar/ coolie	day	254.00
9012	Bhisti	day	254.00
9013	Excavator	day	254.00
9014	Stone breaker	day	259.00
9015	Mate	day	270.00
9016	Hire charges for 5 ton truck	day	2200.00
9017	Hire charges for compressor and spray gun	day	350.00
9018	Drilling of 46 Nos 12 mm dia holes on G.I. pipe	L.S.	300.00
9019	Drilling holes	each	6.00
9020	Solder jointing	each	12.00

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CHAPTER – 0.2

BASIC RATE OF MATERIALS

BASIC RATE

0.2 BASIC RATES OF MATERIALS

Note : These rates are exclusive of contractor's profit, overheads, carriage and any taxes etc but inclusive of royalty.

Code No.	Description	Unit	Rate Rs.
PVC INSULATED ALUMINIUM CONDUCTOR WIRES			
1001	1.5 sq. mm ISI marked, PVC insulated single core aluminium conductor cable	metre	2.10
1002	2.5 sq. mm ISI marked, PVC insulated single core aluminium conductor cable	metre	3.23
1003	4.0 sq. mm ISI marked, PVC insulated single core aluminium conductor cable	metre	4.80
1004	6.0 sq. mm ISI marked, PVC insulated single core aluminium conductor cable	metre	6.82
1005	10.0 sq. mm ISI marked, PVC insulated single core aluminium conductor cable	metre	10.76
1006	16 sq. mm ISI marked, PVC insulated single core aluminium conductor cable	metre	17.12
1007	25 sq. mm ISI marked, PVC insulated single core aluminium conductor cable	metre	28.00
1008	35 sq. mm ISI marked, PVC insulated single core aluminium conductor cable	metre	37.05
1009	50 sq. mm ISI marked, PVC insulated single core aluminium conductor cable	metre	50.19
1010	70 sq. mm ISI marked, PVC insulated single core aluminium conductor cable	metre	68.56
1011	95 sq. mm ISI marked, PVC insulated single core aluminium conductor cable	metre	88.90
1012	120 sq. mm ISI marked, PVC insulated single core aluminium conductor cable	metre	128.80
PVC INSULATED COPPER CONDUCTOR WIRES			
1101	1.5 sq. mm ISI marked, PVC insulated single core copper conductor cable	metre	11.99
1102	2.5 sq. mm ISI marked, PVC insulated single core copper conductor cable	metre	19.25
1103	4.0 sq. mm ISI marked, PVC insulated single core copper conductor cable	metre	28.37
1104	6.0 sq. mm ISI marked, PVC insulated single core copper conductor cable	metre	42.70
1105	10 sq. mm ISI marked, PVC insulated single core copper conductor cable	metre	67.94
1106	16 sq. mm ISI marked, PVC insulated single core copper conductor cable	metre	106.24
1107	25 sq. mm ISI marked, PVC insulated single core	metre	165.38

BASIC RATE

Code No.	Description	Unit	Rate Rs.
1108	copper conductor cable 35 sq. mm ISI marked, PVC insulated single core	metre	227.96
1109	copper conductor cable 50 sq. mm ISI marked, PVC insulated single core	metre	327.91
1110	copper conductor cable 70 sq. mm ISI marked, PVC insulated single core	metre	470.13
1111	copper conductor cable 95 sq. mm ISI marked, PVC insulated single core	metre	626.84
1112	16/0.20 mm (0.5 sq mm) twin core FR PVC sheathed flat flexible copper cable	metre	12.43
1113	16/0.20 mm (0.5 sq mm) twin circular, FR PVC sheathed workshop flexible copper cable	metre	12.43
1114	32/0.20 mm (1.0 sq mm) twin circular, FR PVC sheathed workshop flexible copper cable	metre	19.29
1115	1 pair, 0.5 sq. mm annealed copper conductor, FR PVC insulated, unmoored, telephone cable	metre	4.26
1116	2 pair, 0.5 sq. mm annealed copper conductor, FR PVC insulated, unmoored, telephone cable	metre	7.78
1117	4 pair, 0.5 sq. mm annealed copper conductor, FR PVC insulated, unmoored, telephone cable	metre	10.82
1118	Co-axial TV cable RG-6 grade	metre	15.48
PVC CONDUIT AND ACCESSORIES			
1201	20 mm dia. ISI marked, PVC conduit	metre	11.03
1202	25 mm dia. ISI marked, PVC conduit	metre	15.40
1203	32 mm dia. ISI marked, PVC conduit	metre	20.85
1204	40 mm dia. ISI marked, PVC conduit	metre	26.55
1205	50 mm dia. ISI marked, PVC conduit	metre	33.22
1206	20 mm PVC bends	each	4.06
1207	25 mm PVC bend	each	5.52
1208	32 mm PVC bends	each	9.44
1209	40 mm PVC bends	each	15.01
1210	50 mm PVC bends	each	24.42
1211	20 mm PVC couplers	each	2.97
1212	25 mm PVC couplers	each	3.75
1213	32 mm PVC couplers	each	6.10
1214	40 mm PVC couplers	each	7.48
1215	50 mm PVC couplers	each	9.38
1216	20 mm iron staple/ saddles/ screws	each	4.40
1217	25 mm iron staple/ saddles/ screws	each	6.00
1218	32 mm iron staple/ saddles/ screws	each	8.12
1219	40 mm iron staple/ saddles/ screws	each	10.52

BASIC RATE

Code No.	Description	Unit	Rate Rs.
1220	50 mm iron staple/ saddles/ screws	each	13.32
1221	20 mm PVC junction box, one way	each	10.36
1222	20 mm PVC junction box, two way	each	11.48
1223	75 mm X 75 mm X 50 mm PVC box	each	18.00
PVC/ METAL BOXES			
1301	Modular GI box for 2 module	each	30.75
1302	Modular GI box for 3 module	each	42.00
1303	Modular GI box for 4 module	each	49.00
1304	Modular GI box for 6 module	each	69.75
1305	Modular GI box for 8 module	each	90.75
1306	Modular GI box for 12 module	each	111.75
1307	75 mm X 75 mm X 60 mm deep PVC/metal box	each	18.00
1308	100 mm X 100 mm X 60 mm deep PVC/metal box	each	26.50
1309	150 mm X 75 mm X 60 mm deep PVC/metal box	each	28.00
1310	180 mm X 100 mm X 60 mm deep PVC/metal box	each	33.50
1311	200 mm X 125 mm X 60 mm deep PVC/metal box	each	42.00
1312	200 mm X 150 mm X 60 mm deep PVC/metal box	each	52.00
1313	200 mm X 250 mm X 60 mm deep PVC/metal box	each	68.00
1314	200 mm X 300 mm X 60 mm deep PVC/metal box	each	94.00
1315	250 mm X 300 mm X 60 mm deep PVC/metal box	each	104.00
1316	200 mm X 150 mm X 75 mm deep PVC/metal box	each	57.50
1317	200 mm X 250 mm X 75 mm deep PVC/metal box	each	78.00
1318	200 mm X 150 mm X 100 mm deep PVC/metal box	each	69.00
1319	200 mm X 250 mm X 100 mm deep PVC/metal box	each	88.50
1320	200 mm X 300 mm X 100 mm deep PVC/metal box	each	104.00
1321	250 mm X 300 mm X 100 mm deep PVC/metal box	each	122.00
1322	150 mm X 150 mm X 60 mm deep PVC/metal box	each	40.00
1323	3 mm thick phenolic laminated sheet	sq.cm.	0.10
WIRING SWITCHES AND ACCESSORIES			
1401	Ceiling rose, 2 pin, 6 amps ISI marked	each	14.25
1402	Ceiling rose, 3 pin, 5 amps ISI marked	each	16.10
1403	S.P. 5/6 amps, one way modular switch, ISI marked	each	39.20
1404	S.P. 5/6 amps, two way modular switch, ISI marked	each	61.60
1405	S.P. 15/16 amps, one way modular switch, ISI marked	each	79.80
1406	5 pin 5/6 amps, modular socket outlet, ISI marked	each	74.90
1407	6 pin 15/16 amps, modular socket outlet, ISI marked	each	116.20
1408	Modular bell push, ISI marked	each	65.10
1409	Stepped type modular Fan regulator, (2 module)	each	246.40
1410	Telephone socket outlet, modular type	each	58.80
1411	T.V. socket outlet modular type	each	54.60

BASIC RATE

Code No.	Description	Unit	Rate Rs.
1412	Modular blanking plate	each	14.00
1413	Modular base & cover plate for 1 module	each	42.00
1414	Modular base & cover plate for 2 module	each	42.00
1415	Modular base & cover plate for 3 module	each	53.20
1416	Modular base & cover plate for 4 module	each	57.40
1417	Modular base & cover plate for 6 module	each	74.20
1418	Modular base & cover plate for 8 module	each	96.60
1419	Modular base & cover plate for 12 module	each	141.60
1420	S.P. 5/6 amps, one way switch, piano type ISI marked	each	12.60
1421	S.P. 5/6 amps, two way switch, piano type ISI marked	each	15.40
1422	S.P. 15/16 amps, one way switch, piano type ISI marked	each	45.50
1423	5 pin 5/6 amps socket outlet, piano type ISI marked	each	18.20
1424	6 pin 15/16 amps socket outlet, piano type ISI marked	each	46.20
1425	6 pin, 15/16 amps, S/S combined	each	88.50
1426	Bell push piano type	each	15.40
1427	Telephone socket outlet piano type	each	32.20
1428	T.V. socket outlet piano type	each	18.20
1429	Batten/ angle holder, polycarbonate	each	16.10
1430	Pendant holder, polycarbonate	each	20.25
1431	Brass batten/ angle holder	each	23.25
1432	Call bell/ buzzer, single phase	each	47.60
1433	Ding Dong sound call bell	each	90.75
1434	Electronic musical call bell	each	151.90
1435	Electronic Stepped type, piano fan regulator	each	130.90
1436	3 pin top 6 amps, ISI marked	each	30.10
1437	3 pin top 15 amps, ISI marked	each	38.50
1438	32 amps flush DP with neon lamp	each	84.00
BUS BAR, CHANGE OVER SWITCHES AND PORCELAIN FUSE LINK			
1501	63 amps, 415 V heavy duty three phase with neutral busbar chamber	each	1,815.00
1502	100 amps, 415 V heavy duty three phase with neutral busbar chamber	each	2,456.25
1503	200 amps, 415 V heavy duty three phase with neutral busbar chamber	each	5,250.00
1504	300 amps, 415 V heavy duty three phase with neutral busbar chamber	each	6,566.25
1505	400 amps, 415 V heavy duty three phase with neutral busbar chamber	each	10,563.75
1506	500 amps, 415 V heavy duty three phase with neutral busbar chamber	each	13,500.00
1507	600 amps, 415 V heavy duty three phase with neutral busbar chamber	each	17,108.00

BASIC RATE

Code No.	Description	Unit	Rate Rs.
1508	800 amps, 415 V heavy duty three phase with neutral busbar chamber	each	17,843.00
1509	32 amps, double pole, off-load change over switch in sheet enclosure with side handle operation	each	820.50
1510	63 amps, double pole, off-load change over switch in sheet enclosure with side handle operation	each	1,590.00
1511	32 amps, four pole, off-load change over switch in sheet enclosure with side handle operation	each	1,375.00
1512	63 amps, four pole, off-load change over switch in sheet enclosure with side handle operation	each	3,000.00
1513	100 amps, four pole, off-load change over switch in sheet enclosure with side handle operation	each	5,719.00
1514	200 amps, four pole, off-load change over switch in sheet enclosure with side handle operation	each	8,700.00
1515	320 amps, four pole, off-load change over switch in sheet enclosure with side handle operation	each	11,230.00
1516	400 amps, four pole, off-load change over switch in sheet enclosure with side handle operation	each	12,915.00
1517	630 amps, four pole, off-load change over switch in sheet enclosure with side handle operation	each	26,467.00
1518	40 amps, four pole, ON-load change over switch open execution type (cubical)	each	2,537.50
1519	63 amps, four pole, ON-load change over switch open execution type (cubical)	each	2,656.25
1520	100 amps, four pole, ON-load change over switch open execution type (cubical)	each	3,524.50
1521	125 amps, four pole, ON-load change over switch open execution type (cubical)	each	5,288.50
1522	160 amps, four pole, ON-load change over switch open execution type (cubical)	each	5,775.00
1523	200 amps, four pole, ON-load change over switch open execution type (cubical)	each	6,930.00
1524	250 amps, four pole, ON-load change over switch open execution type (cubical)	each	8,554.00
1525	320 amps, four pole, ON-load change over switch open execution type (cubical)	each	10,689.00
1526	400 amps, four pole, ON-load change over switch open execution type (cubical)	each	15,596.00
1527	630 amps, four pole, ON-load change over switch open execution type (cubical)	each	18,354.00
1528	16 amps, porcelain fuse link, rewirable	each	66.50
1529	32 amps, porcelain fuse link, rewirable	each	112.00
1530	63 amps, porcelain fuse link, rewirable	each	215.00
1531	100 amps, porcelain fuse link, rewirable	each	406.00

BASIC RATE

Code No.	Description	Unit	Rate Rs.
1532	200 amps, porcelain fuse link, rewirable	each	808.50
1533	320 amps, porcelain fuse link, rewirable	each	1,183.00
SWITCH DISCONNECTOR SFU AND MCCB			
1601	16 amps. double pole switch disconnecter fuse unit, rewirable type	each	330.00
1602	32 amps. double pole switch disconnecter fuse unit, rewirable type	each	780.50
1603	63 amps. double pole switch disconnecter fuse unit, rewirable type	each	2,016.30
1604	32 amps. TPN switch disconnecter fuse unit, rewirable type	each	1,365.00
1605	63 amps. TPN switch disconnecter fuse unit, rewirable type	each	2,683.20
1606	100 amps. TPN switch disconnecter fuse unit, rewirable type	each	4,937.40
1607	200 amps. TPN switch disconnecter fuse unit, rewirable type	each	8,200.00
1608	320 amps. TPN switch disconnecter fuse unit, rewirable type	each	11,812.50
1609	63 amps. TPN switch disconnecter fuse unit with ISI marked HRC fuses	each	1,587.60
1610	100 amps. TPN switch disconnecter fuse unit with ISI marked HRC fuses	each	4,302.90
1611	200 amps. TPN switch disconnecter fuse unit with ISI marked HRC fuses	each	6,281.10
1612	320 amps. TPN switch disconnecter fuse unit with ISI marked HRC fuses	each	9,229.50
1613	400 amps. TPN switch disconnecter fuse unit with ISI marked HRC fuses	each	10,993.50
1614	500 amps. TPN switch disconnecter fuse unit with ISI marked HRC fuses	each	18,326.70
1615	800 amps. TPN switch disconnecter fuse unit with ISI marked HRC fuses	each	22,940.40
1616	32 amps. TPN switch disconnecter fuse unit (Panel mounted) with ISI marked HRC fuses	each	1,032.50
1617	63 amps. TPN switch disconnecter fuse unit (Panel mounted) with ISI marked HRC fuses	each	1,466.50
1618	100 amps. TPN switch disconnecter fuse unit (Panel mounted) with ISI marked HRC fuses	each	3,181.50
1619	125 amps. TPN switch disconnecter fuse unit (Panel mounted) with ISI marked HRC fuses	each	3,426.50
1620	160 amps. TPN switch disconnecter fuse unit	each	4,168.50

BASIC RATE

Code No.	Description	Unit	Rate Rs.
1621	(Panel mounted) with ISI marked HRC fuses 200 amps. TPN switch disconnecter fuse unit	each	4,872.00
1622	(Panel mounted) with ISI marked HRC fuses 250 amps. TPN switch disconnecter fuse unit	each	5,929.00
1623	(Panel mounted) with ISI marked HRC fuses 320 amps. TPN switch disconnecter fuse unit	each	7,927.50
1624	(Panel mounted) with ISI marked HRC fuses 400 amps. TPN switch disconnecter fuse unit	each	9,212.00
1625	(Panel mounted) with ISI marked HRC fuses 630 amps. TPN switch disconnecter fuse unit	each	16,600.00
1626	25/100 amps. 4 pole MCCB, 10 KA	each	1,529.50
1627	25/100 amps. 4 pole MCCB, 16 KA	each	2,348.50
1628	125 amps. 4 pole MCCB, 16 KA	each	2,898.00
1629	160 amps. 4 pole MCCB, 35 KA	each	7,220.50
1630	200 amps. 4 pole MCCB, 35 KA	each	8,800.00
1631	250 amps. 4 pole MCCB, 35 KA	each	10,800.00
1632	315 amps. 4 pole MCCB, 35 KA	each	13,300.00
1633	400 amps. 4 pole MCCB, 35 KA	each	14,600.00
1634	500 amps. 4 pole MCCB, 35 KA	each	17,104.50
1635	630 amps. 4 pole MCCB, 50 KA	each	18,469.50
1636	800 amps. 4 pole MCCB, 50 KA	each	22,603.00
MCB'S, ISOLATORS,RCCB'S AND DB'S			
1701	6 amps. To 32 amps ratings, SP MCB, "C" curve 10 KA breaking capacity	each	122.00
1702	6 amps. To 32 amps ratings, SPN MCB, "C" curve 10 KA breaking capacity	each	360.00
1703	40 amps ratings, SPN MCB, "C" curve 10 KA breaking capacity	each	523.00
1704	50/63 amps ratings, SPN MCB, "C" curve 10 KA breaking capacity	each	595.00
1705	6 amps. To 32 amps ratings, DP MCB, "C" curve 10 KA breaking capacity	each	380.00
1706	40 amps ratings, DP MCB, "C" curve 10 KA breaking capacity	each	579.60
1707	50/63 amps ratings, DP MCB, "C" curve 10 KA breaking capacity	each	665.00
1708	6 amps. To 32 amps ratings, TPN MCB, "C" curve 10 KA breaking capacity	each	806.40
1709	40 amps ratings, TPN MCB, "C" curve 10 KA breaking capacity	each	1,089.90
1710	50/63 amps ratings, TPN MCB, "C" curve 10 KA	each	1,200.00

BASIC RATE

Code No.	Description	Unit	Rate Rs.
	breaking capacity		
1711	40 amps. , 2 pole isolator	each	243.75
1712	63 amps. , 2 pole isolator	each	318.50
1713	40 amps. , 4 pole isolator	each	326.50
1714	63 amps. , 4 pole isolator	each	514.40
1715	100 amps. , 4 pole isolator	each	720.75
1716	Blanking plate, single pole	each	9.36
1717	16/25 amps. rating, 2 pole RCCB, 100mA/ 300mA	each	1,477.32
1718	40 amps. rating, 2 pole RCCB, 100mA/ 300mA	each	1,602.12
1719	63 amps. rating, 2 pole RCCB, 100mA/ 300mA	each	1,720.50
1720	16/25 amps. rating, 4 pole RCCB, 100mA/ 300mA	each	1,896.30
1721	40 amps. rating, 4 pole RCCB, 100mA/ 300mA	each	1,915.20
1722	63 amps. rating, 4 pole RCCB, 100mA/ 300mA	each	2,154.60
1723	16/25 amps. rating, 2 pole RCBO, 100mA/ 300mA sensitivity	each	1,493.10
1724	40 amps. rating, 2 pole RCBO, 100mA/ 300mA sensitivity	each	1,631.70
1725	16/25 amps. rating, 4 pole RCBO, 100mA/ 300mA sensitivity	each	1,896.30
1726	40 amps. rating, 4 pole RCBO, 100mA/ 300mA sensitivity	each	1,915.20
1727	20 amps. SPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	each	504.00
1728	20 amps. TPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	each	1,071.00
1729	30 amps. TPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	each	1,435.00
1730	2 + 2 way, SPN, single door, MCB DB	each	330.00
1731	2 + 4 way, SPN, single door, MCB DB	each	363.75
1732	2 + 6 way, SPN, single door, MCB DB	each	416.25
1733	2 + 8 way, SPN, single door, MCB DB	each	520.00
1734	2 + 10 way, SPN, single door, MCB DB	each	566.25
1735	2 + 2 way, SPN, double door, MCB DB	each	607.50
1736	2 + 4 way, SPN, double door, MCB DB	each	665.00
1737	2 + 6 way, SPN, double door, MCB DB	each	785.00
1738	2 + 8 way, SPN, double door, MCB DB	each	820.00
1739	2 + 10 way, SPN, double door, MCB DB	each	840.00
1740	Sheet steel DP MCB enclosure	each	146.25
1741	Sheet steel TP MCB enclosure	each	180.00
1742	4 way (4+12), TPN MCB DB, single door, horizontal type	each	1,091.25
1743	6 way (4+18), TPN MCB DB, single door, horizontal type	each	1,301.25
1744	8 way (4+24), TPN MCB DB, single door, horizontal type	each	1,443.75
1745	4 way (4+12) TPN MCB DB, double door, horizontal type	each	1,620.00
1746	6 way (4+18) TPN MCB DB, double door, horizontal type	each	2,006.25

BASIC RATE

Code No.	Description	Unit	Rate Rs.
1747	8 way (4+24) TPN MCB DB, double door, horizontal type	each	2,601.90
1748	4 way (8+12) TPN vertical type, MCB DB, single door	each	3,811.50
1749	8 way (8+24), TPN, vertical type, MCB DB, single door	each	5,247.84
1750	12 way (8+36), TPN, vertical type, MCB DB, single door	each	6,846.00
1751	4 way (8+12), TPN, vertical type, MCB DB, double door	each	4,560.00
1752	8 way (8+24), TPN, vertical type, MCB DB, double door	each	5,580.00
1753	12 way (8+36), TPN, vertical type, MCB DB, double door	each	7,250.00
SCREWS, NUT BOLTS AND OTHER ACCESSORIES			
1801	Al. alloy/ cadium plated iron screws, 20 mm	each	0.50
1802	Iron screws, 35 mm X 6 mm	each	1.30
1803	Iron screws, 40 mm X 6 mm	each	1.50
1804	Iron screws, 45 mm X 6 mm	each	1.60
1805	Steel fastener 6 mm X 75 mm	each	6.80
1806	Steel fastener 8 mm X 75 mm	each	8.00
1807	PVC fastener 40 mm long	each	0.40
1808	PVC clip for fixing cable	each	0.50
1809	Rubber/ PVC bushes	each	0.80
1810	6 mm dia rivet/ stud/ bolts and nuts	each	3.50
1811	25 mm X 3 mm bolts & nuts	each	2.50
1812	32 mm X 8 mm bolts & nuts	each	5.00
1813	38 mm X 10 mm bolts & nuts	each	8.50
1814	38 mm X 7 mm bolts & nuts	each	6.50
1815	15 mm long X 6 mm dia G.I. bolts and nuts	each	4.50
1816	10 mm X 25 mm long G.I. bolts with nuts etc	each	10.00
1817	16 mm X 50 mm bolts and nuts with washers	Set	6.60
1818	16 mm X 40 mm bolts and nuts with washers	Set	6.60
1819	16 mm X 125 mm bolts and nuts with washers	Set	23.00
1820	16 mm X 150 mm bolts and nuts with washers	Set	29.00
1821	10 mm X 25 mm long tinned brass bolt with nut etc	each	32.00
1822	GI saddles 19mm X 0.55mm for conduit upto 25mm	each	1.30
1823	GI saddles 19mm X 0.55mm for conduit aebov 25mm	each	1.20
1824	20 mm X 3 mm copper tape (0.533 kg/mtr)	Kg	580.00
1825	25 mm X 5 mm copper tape (1.15 kg/mtr)	Kg	580.00
1826	32 mm X 6 mm copper tape (1.705 kg/mtr)	Kg	580.00
1827	8 SWG copper wire (4.0 mm dia)	Kg	580.00
1828	600mm X 600mm X 3mm thick copper plate (10.5 Kg)	each	6,350.00
1829	Copper saddle	each	36.00
1830	50 mm X 5 mm copper strip (2.30 Kg/mtr)	Kg	590.00
1831	Brass nipple	each	6.60
1832	Lightning finial, 25mm dia X 300mm long, copper	each	580.00
1833	Lightning finial, 25mm dia X 300mm long, G.I.	each	26.00
1834	20 mm X 3 mm G.I. tape (0.461 Kg/ mtr)	Kg	60.00

BASIC RATE

Code No.	Description	Unit	Rate Rs.
1835	25 mm X 5 mm G.I. tape (1.0 Kg/ mtr)	Kg	60.00
1836	25 mm X 6 mm G.I. tape (1.2 Kg/ mtr)	Kg	60.00
1837	32 mm X 6 mm G.I. tape (1.475 Kg/ mtr)	Kg	60.00
1838	600mm X 600mm X 6mm thick G.I. plate	each	1,450.00
1839	6 SWG G.I. wire	Kg	60.00
1840	GI saddle 20mm X 3mm	each	3.20
1841	Funnel	each	28.00
1842	G.I. nuts and through bolts and washer	each	36.00
1843	Washers	each	0.40
1844	G.I. hooks made of 8 SWG Gi wire/ GI clip	each	2.80
1845	CI/MS cover plate hinged to frame with locking	each	3.60
1846	40 mm to 20 mm reducer	each	75.00
1847	Pulley of 50 mm dia	each	86.60
1848	Clamps, bolts, nuts etc.	Set	130.00
1849	Flat iron clamps (50 mm X 6 mm) for G.I. pipe	each	38.00
1850	G.I. plate (10 cm X 10 cm X 5 mm)	kg	82.00
1851	Ball and socket	each	26.00
1852	Back plate	each	8.00
1853	Ckeck nut 20 mm	each	3.20
1854	PVC sleeve	metre	4.50
1855	250 mm X 200 mm H.T. danger notice plate	each	94.00
1856	200 mm X 150 mm M.V. danger notice plate	each	63.00
1857	Earthing thimbles and solder	L.S.	13.50
1858	Cement, paint, sand etc.	L.S.	6.00
1859	Painting with primer and finish paint	L.S.	5.80
1860	Diesel	Letre	As per market
1861	Cotton waste, cleaning cloth etc.	kg	45.00
1862	Cleaning materials like soap/ detergent	kg	45.00
1863	Tin solder etc.	L.S.	28.00
1864	Charcoal	kg	19.00
1865	Coke	kg	21.00
1866	Salt	kg	7.50
1867	Paint	Letre	235.00
1868	Common burnt clay F.P.S.(non modular) bricks class designation 7.5	each	3.752
1869	Fine sand	Cum	117.66
1870	Cement	tonne	5,474.00
1871	Bricks ballast	Cum	1015.60
1872	G.I. earth stud with nut	each	6.20
1873	Welding charges	mm	0.45
1874	Stone aggregate (single size) 40 mm nominal size	Cum	445.22
1875	Stone aggregate (single size) 20 mm nominal size	Cum	556.33
1876	Stone aggregate (single size) 10 mm nominal size	Cum	620.42
1877	Coarse sand	Cum	160.69

BASIC RATE

Code No.	Description	Unit	Rate Rs.
1878	Sundries/bending charges	L.S.	1.20
	ANGLE/FLAT IRON, G.I. PIPE & RCC pipe		
1901	25 mm X 25 mm X 3 mm angle iron	Kg	45.00
1902	35 mm X 35 mm X 4 mm angle iron	Kg	45.00
1903	35 mm X 35 mm X 5 mm angle iron	Kg	45.00
1904	35 mm X 35 mm X 6 mm angle iron	Kg	45.00
1905	20/25 mm X 3 mm flat iron	Kg	45.00
1906	25 mm X 4 mm flat iron	Kg	45.00
1907	25 mm X 6 mm flat iron	Kg	45.00
1908	40 mm X 3 mm flat iron	Kg	45.00
1909	15 mm dia G.I. pipe (medium class)	metre	118.00
1910	20 mm dia G.I. pipe (medium class)	metre	130.00
1911	32 mm dia G.I. pipe (medium class)	metre	227.00
1912	40 mm dia G.I. pipe (medium class)	metre	266.00
1913	50 mm dia G.I. pipe (medium class)	metre	340.00
1914	80 mm dia G.I. pipe (medium class)	metre	532.00
1915	100 mm dia G.I. pipe (medium class)	metre	532.00
1916	150 mm dia G.I. pipe (medium class)	metre	1175.00
1917	40 mm dia G.I. bend (medium class)	each	80.00
1918	50 mm dia G.I. bend (medium class)	each	100.00
1919	15 mm dia G.I. pipe (heavy class)	metre	135.00
1920	20 mm dia G.I. pipe (heavy class)	metre	156.00
1921	20 mm dia G.I. pipe (light class)	metre	125.00
1922	32 mm dia G.I. pipe (light class)	metre	205.00
1923	50 mm dia G.I. pipe (light class)	metre	304.00
1924	80 mm dia G.I. pipe (light class)	metre	501.00
1925	100 mm dia G.I. pipe (light class)	metre	714.00
1926	Nipple, 50 mm dia	each	20.00
1927	100 mm dia RCC pipe NP2 class	metre	30.00
1928	150 mm dia RCC pipe NP2 class	metre	140.00
1929	250 mm dia RCC pipe NP2 class	metre	170.00
1930	300 mm dia RCC pipe NP2 class	metre	230.00
1931	100 mm dia RCC collar NP2 class	each	20.00
1932	150 mm dia RCC collar NP2 class	each	24.00
1933	250 mm dia RCC collar NP2 class	each	40.00
1934	300 mm dia RCC collar NP2 class	each	42.00
1935	100 mm X 50 mm X 6 mm channel iron (9.56kg/mtr)	Kg	45.00
1936	75 mm X 40 mm X 6 mm channel iron (7.14kg/mtr)	Kg	45.00

BASIC RATE
LUMINAIRES/LAMPS/BALLAST/CABLE/POLE

Code No.	Description	Unit	Rate Rs.
ELECTRICAL FITTING/ FIXTURES			
2001	Single 4' long patty/ strip tube light fitting with aluminium ballast for 1 X 40 watt flourescent lamp.	each	221.00
2002	Single 4' long patty/ strip tube light fitting with copper ballast for 1 X 40 watt flourescent lamp.	each	273.00
2003	Single 4' long patty/ strip tube light fitting with electronic ballast for 1 X 40 watt flourescent lamp.	each	240.00
2004	Single 2' long patty/ strip tube light fitting with aluminium ballast for 1 X 40 watt flourescent lamp.	each	189.00
2005	Single 4' long box type tube light fitting with copper ballast for 1 X 40 watt flourescent lamp.	each	273.00
2006	Double 4' long box type tube light fitting with copper ballast for 1 X 40 watt flourescent lamp.	each	546.00
2007	Single surface/recess mounted decorative fitting with aluminium reflector suitable for 1X40 watt flourescent lamp and complete with all accessories.	each	595.00
2008	Double surface/recess mounted decorative fitting with aluminium reflector suitable for 2X40 watt flourescent lamp and complete with all accessories.	each	868.00
2009	Flourescent street light fitting complete with copper ballast & all accessories suitable for 1X40 watt FTL	each	deleted
2010	Street light fitting suitable for 1 X 18 watt PL-L lamp and complete with all accessories	each	deleted
2011	Street light fitting suitable for 36 watt PL-L lamp and complete with all accessories	each	574.00
2012	Bulk Head fitting with aluminium alloy body and prismatic glass cover suitable for CFL/ GLS lamp	each	266.00
2013	Decorative Non-Integral post top lantern with stablized polycarbonate diffuser suitable for Retrofit CFL lamp.	each	1,980.00
Group 'A'			
2014	CFL type post top lantern suitable for single CFL/ GLS lamp and complete with all accessories etc.	each	455.00
Group 'B'			
2015	Single powder coated batten suitable for 1X28 watt T5 lamp complete with electronic ballast etc.	each	342.00
2016	Double powder coated batten suitable for 2X28 watt T5 lamp complete with electronic ballast etc.	each	612.00
2017	Single wall mounted 18/22 watt LED type batten fitting complete with electronic driver and all accessories.	each	431.25

BASIC RATE

Code No.	Description	Unit	Rate Rs.
2018	Indoor recess mounting decorative mirror optic luminaire with P5 parallite louvre and suitable for 2 X 36 watt PLL/ FPL lamp	each	2,189.00
2019	Indoor recess mounting decorative mirror optic luminaire with P5 parallite louvre and suitable for 3 X 36 watt PLL/ FPL lamp	each	2,693.00
2020	Indoor recess mounting 36 Watt LED flat panel luminaire suitable for armstrong/grid ceiling and complete with electronic driver etc.	each	2,887.50
2021	Recess mounted vertical downlighter fitting suitable for 1X11/20 watt Retrofit CFL lamp and complete with all accessories etc.	each	490.00
2022	Recess mounted vertical downlighter fitting suitable for 2 X 18 watt PLL/PL-C lamp and complete with all accessories etc.	each	523.60
2023	Recess mounted 6/7 watt LED downlighter complete with all accessories and replaceable electronic driver.	each	404.80
2024	Recess mounted 12 watt LED downlighter complete with all accessories and replaceable electronic driver.	each	628.80
2025	Recess mounted 18 watt LED downlighter complete with all accessories and replaceable electronic driver.	each	700.00
2026	Street light fitting with aluminium housing & acrylic cover suitable for 35 watt Retrofit CFL lamp and complete with all accessories.	each	780.00
2027	Street light fitting with aluminium housing & acrylic cover suitable for 45 watt Retrofit CFL lamp and complete with all accessories.	each	780.00
2028	Street light fitting with aluminium housing & acrylic cover suitable for 85 watt Retrofit CFL lamp and complete with all accessories.	each	780.00
2029	Supply of 20/24 watt LED street light with die cast aluminium housing for ingress protection of IP 65 and complete with all accessories.	each	1,600.00
2030	Supply of 40/45 watt LED street light with die cast aluminium housing for ingress protection of IP 65 and complete with all accessories.	each	2,905.00
2031	Supply of 90 watt LED street light with die cast aluminium housing for ingress protection of IP 65 and complete with all accessories.	each	6,180.00
2032	Single piece pressure die cast aluminium housing street light luminaire with POT reflector, glass cover , IP65 protection, complete with all accessories and ballast suitable for 70 watt MH/ SV (T)	each	1,878.00
2033	Single piece pressure die cast aluminium housing	each	2,880.00

BASIC RATE

Code No.	Description	Unit	Rate Rs.
2034	street light luminaire with POT reflector, glass cover , IP65 protection, complete with all accessories and ballast suitable for 150 watt MH/ SV (T) Single piece pressure die cast aluminium housing	each	3,177.00
2035	street light luminaire with POT reflector, glass cover , IP65 protection, complete with all accessories and ballast suitable for 250 watt MH/ SV (T) Single piece pressure die cast aluminium housing	each	3,750.00
2036	street light luminaire with POT reflector, glass cover , IP65 protection, complete with all accessories and ballast suitable for 400 watt MH/ SV (T) Single piece pressure die cast aluminium housing	each	3,190.00
2037	Integral flood light luminaire with asymmetrical optics, glass cover, IP65 protection, complete with all accessories and ballast suitable for 250 watt MH/ SV (T) Single piece pressure die cast aluminium housing	each	3,750.00
2038	Integral flood light luminaire with asymmetrical optics, glass cover, IP65 protection, complete with all accessories and ballast suitable for 400 watt MH/ SV (T) Supply of 90 watt LED flood light with die cast aluminium housing for ingress protection of IP 65 and complete with all accessories.	each	6,200.00

LAMP/ CFL / BALLAST

2101	60 watt GLS clear lamp	each	11.00
2102	100 watt GLS clear lamp	each	12.00
2103	2' X 20 watt tube light	each	31.00
2104	4' X 40 watt tube light	each	33.00
2105	5 watt CFL lamp	each	90.00
2106	8/ 11 watt CFL lamp	each	105.00
2107	14/ 15 watt CFL lamp	each	110.00
2108	18 watt CFL lamp	each	160.00
2109	20 watt CFL lamp	each	160.00
2110	23 watt CFL lamp	each	180.00
2111	26 watt CFL lamp	each	180.00
2112	45 watt CFL lamp	each	350.00
2113	9 watt PL-L lamp	each	55.00
2114	11 watt PL-L lamp	each	60.00
2115	13 watt PL-L lamp	each	80.00
2116	18 watt PL-L lamp	each	82.00
2117	36 watt PL-L lamp	each	95.00
2118	70 watt sodium lamp	each	170.00
2119	150 watt sodium lamp	each	270.00

BASIC RATE

Code No.	Description	Unit	Rate Rs.
2120	250 watt sodium lamp	each	290.00
2121	400 watt sodium lamp	each	325.00
2122	250 watt metal halide lamp (T)	each	550.00
2123	400 watt metal halide lamp (T)	each	566.00
2124	500 watt Halogen lamp	each	49.00
2125	1000 watt Halogen lamp	each	68.00
2126	20/ 40 watt aluminium/ polyster ballast	each	110.00
2127	20/ 40 watt copper ballast	each	140.00
2128	40 watt elrctronics ballast	each	125.00
2129	70 watt HPSV/ MH ballast	each	495.00
2130	150 watt HPSV/ MH ballast	each	792.00
2131	250 watt HPSV/ MH ballast	each	1,144.00
2132	400 watt HPSV/ MH ballast	each	1,550.00
2133	70 watt SV/ MH control gear box	each	deleted
2134	150 watt SV/ MH control gear box	each	deleted
2135	250 watt SV/ MH control gear box	each	deleted
2136	400 watt SV/ MH control gear box	each	deleted
2137	70 to 400 watt Ignitors	each	94.00
2138	20/ 40 watt starters	each	9.00
2139	Tube fitting holder	each	deleted
2140	4' X 28 watt (T5) tube light	each	90.00
2141	35/36 watt CFL lamp	each	250.00
2142	85 watt CFL lamp	each	515.00
2143	70 watt metal halide lamp (T)	each	350.00
2144	150 watt metal halide lamp (T)	each	379.00
2145	1 X 9/11/13 watt electronic ballast for PL lamp	each	144.00
2146	1 X 18 watt electronic ballast for PL lamp	each	170.00
2147	1 X 36 watt electronic ballast for PL lamp	each	200.00
2148	Electronic ballast for 1 X 28 W T5 lamps	each	168.00

ARMOURED LT/HV CABLE

2201	2 core, 6 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	60.20
2202	2 core, 10 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	71.40
2203	2 core, 16 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	84.00
2204	4 core, 16 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	105.70

BASIC RATE

Code No.	Description	Unit	Rate Rs.
2205	3.5 core, 25 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	126.00
2206	3.5 core, 35 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	159.60
2207	3.5 core, 50 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	207.20
2208	3.5 core, 70 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	281.40
2209	3.5 core, 95 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	340.20
2210	3.5 core, 120 sq. mm XLPE/PVC insulated sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	424.90
2211	3.5 core, 150 sq. mm XLPE/PVC insulated sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	502.60
2212	3.5 core, 185 sq. mm XLPE/PVC insulated sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	627.20
2213	3.5 core, 240 sq. mm XLPE/PVC insulated sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	789.60
2214	3.5 core, 300 sq. mm XLPE/PVC insulated sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	968.00
2215	3.5 core, 400 sq. mm XLPE/PVC insulated sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	1232.00
2216	4 core, 6 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	75.00
2217	4 core, 10 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	95.20
2218	3 core, 50 sq. mm , 11 KV grade, armoured power H.T. cable , XLPE insulated with PVC sheathed & aluminium conductor	metre	439.00
2219	3 core, 95 sq. mm , 11 KV grade, armoured power H.T. cable , XLPE insulated with PVC	metre	531.75

BASIC RATE

Code No.	Description	Unit	Rate Rs.
2220	sheathed & aluminium conductor 3 core, 120 sq. mm , 11 KV grade, armoured power H.T. cable , XLPE insulated with PVC sheathed & aluminium conductor	metre	712.00
2221	sheathed & aluminium conductor 3 core, 185 sq. mm , 11 KV grade, armoured power H.T. cable , XLPE insulated with PVC sheathed & aluminium conductor	metre	925.00
STREET LIGHT POLE/PANEL			
2301	4 Metre height Octagonal Hot-Dip galvanized street light poles with top dia. (A/F) 70 mm & bottom dia (A/F) 130 mm and made of 3 mm thick sheet, base plate dimension 220 X 220 X 12 mm including suitable size foundation bolts etc.	each	7,777.00
2302	6 Metre height Octagonal Hot-Dip galvanized street light poles with top dia. (A/F) 70 mm & bottom dia (A/F) 130 mm and made of 3 mm thick sheet, base plate dimension 220 X 220 X 12 mm including suitable size foundation bolts etc.	each	11,600.00
2303	7 Metre height Octagonal Hot-Dip galvanized street light poles with top dia. (A/F) 70 mm & bottom dia (A/F) 155 mm and made of 3 mm thick sheet, base plate dimension 260 X 260 X 16 mm including suitable size foundation bolts etc.	each	12,000.00
2304	8 Metre height Octagonal Hot-Dip galvanized street light poles with top dia. (A/F) 70 mm & bottom dia (A/F) 155 mm and made of 3 mm thick sheet, base plate dimension 260 X 260 X 16 mm including suitable size foundation bolts etc.	each	14,000.00
2305	1500 mm long Hot dip galvanized single Arm bracket (for octagonal poles)	each	1,458.00
2306	1500 mm long Hot dip galvanized double Arm bracket (for octagonal poles)	each	1,890.00
2307	Backlite sheet with one no. 6 amp SP MCB and 16 sq.mm stud type connector.(for octagonal pole)	each	670.00
2308	Pole mounted Junction box/ Fuse box for single	each	395.00

BASIC RATE

Code No.	Description	Unit	Rate Rs.
	phase/ 2 core low wattage FTL/CFL type lighting system.		
2309	Pole mounted Junction box/ Fuse box for three phase/ 4 core high wattage HPSV/ HPMV / MH based lighting system	each	600.00
2310	Wall / floor mounted L.T. cubical panel board, fabricated with 18 guage iron sheet suitable for panel mounted SFU and complete with bus-bar chamber, insulator, nut-bolt and painting etc. (But without busbar copper strip).	Sq.ft.	950.00
2311	Wall / floor mounted L.T. cubical panel board, fabricated with 16 guage iron sheet suitable for panel mounted SFU and complete with bus-bar chamber, insulator, nut-bolt and painting etc. (But without busbar copper strip).	Sq.ft.	1,000.00
2312	Digital voltmeter, single phase	Each	573.30
2313	Digital voltmeter, three phase	Each	945.00
2314	Digital ammeter, single phase	Each	579.60
2315	Digital ammeter, three phase	Each	945.00
2316	Analog voltmeter	Each	337.50
2317	Analog ammeter	Each	352.50
2318	Pilot lamp for indicator	Each	91.50
2319	Selector switch	Each	293.25
2320	C.T. coil	Each	228.75
FOR CHEMICAL/MINERAL EARTHING			
2321	Copper coated earth rod of 3 m long and 17.2 mm dia outer dia	Each	6,800.00
2322	Stainless steel rod/cable clamp	each	deleted
2323	25 kg backfill mineral compound	each	3,150.00
2324	Under floor earth inspection pit	each	1,750.00
FAN/EXHAUST FAN			
2325	Regular/standard make 1200 mm sweep ceiling fan.	Each	1,145.00
2326	Regular/standard make 1400 mm sweep ceiling fan.	Each	1,250.00
2327	300 mm, 230V, A.C. exhaust fan	Each	960.00
2328	375 mm, 230V, A.C. exhaust fan	Each	2,500.00
2329	450 mm, 230V, A.C. exhaust fan	Each	3,150.00
2330	400 mm, 230V, A.C. wall/cabin fan	Each	1,760.00

BASIC RATE

Code No.	Description	Unit	Rate Rs.
MISCELLANEOUS NEW ITEM			
1439	25 amp, modular type A.C. unit set with ON/OFF MCB	each	381.50
1754	25/100 amps. 3 pole MCCB, 16 KA	each	1,984.50
1755	125 amps. 3 pole MCCB, 16 KA	each	2,397.50
1756	160 amps. 3 pole MCCB, 35 KA	each	5,778.50
1757	200 amps. 3 pole MCCB, 35 KA	each	6,811.00
1758	250 amps. 3 pole MCCB, 35 KA	each	8,543.50
1759	315 amps. 3 pole MCCB, 35 KA	each	11,028.50
1760	400 amps. 3 pole MCCB, 35 KA	each	11,028.50
1761	500 amps. 3 pole MCCB, 35 KA	each	13,310.50
1762	630 amps. 3 pole MCCB, 50 KA	each	14,626.50
1763	800 amps. 3 pole MCCB, 50 KA	each	19,992.00
1764	63 amps, 2 pole, MCB changeover switch	each	843.00
1765	40 amps, 4 pole, MCB changeover switch	each	666.75
1766	63 amps, 4 pole, MCB changeover switch	each	1,621.50
1767	6 way, SPN, double door, MCB DB	each	768.50
1768	8 way, SPN, double door, MCB DB	each	812.70
1769	12 way, SPN, double door, MCB DB	each	1,033.20
1770	14/16 way, SPN, double door, MCB DB	each	1,304.10
CABLE END BOX			
1771	Cable End Boxes for 6 way SPN DD DB	each	354.47
1772	Cable End Boxes for 8 way SPN DD DB	each	413.69
1773	Cable End Boxes for 10 way SPN DD DB	each	413.69
1774	Cable End Boxes for 14 way SPN DD DB	each	505.06
1775	Cable End Boxes for 4 way TPN DD DB	each	642.96
1776	Cable End Boxes for 6 way TPN DD DB	each	676.80
1777	Cable End Boxes for 8 way TPN DD DB	each	844.30
1778	Cable End Boxes for Vertical TPN DD DB	each	547.50
LED LUMINAIRES			
2039	Single wall mounted 2ft X 9/10 watt LED type batten fitting complete with electronic driver and accessories.	each	360.00
2040	Recess mounted 23/24 watt (1ft X 1ft) LED downlighter complete with all accessories and electronic driver.	each	1,440.00
2041	Surface mounted 15/18 watt LED downlighter complete with all accessories and replaceable electronic driver.	each	935.00
2042	Suspended type 4ft X 40 watt LED ceiling light provides soft light and glare free symmetrical illumination complete with all accessories and electronic driver etc.	each	3,450.00
2043	Supply of 65/70 watt LED street light with die cast aluminium housing for ingress protection of IP 65 and complete with all accessories.	each	4,037.00
2044	Supply of 120 watt LED street light with die cast aluminium housing for ingress protection of IP 65 and complete with all accessories.	each	7,650.00

BASIC RATE

Code No.	Description	Unit	Rate Rs.
2045	Supply of 120 watt LED flood light with die cast aluminium housing for ingress protection of IP 65 and complete with all accessories.	each	8,699.00
2046	Supply of 150/160 watt LED flood light with die cast aluminium housing for ingress protection of IP 65 and complete with all accessories.	each	14,000.00
2047	Supply of 200/220 watt LED flood light with die cast aluminium housing for ingress protection of IP 65 and complete with all accessories.	each	20,000.00
2048	Supply of 10/12 watt LED Bulk Head fitting comprising of pressure die cast housing with acrylic diffuser (IP65)	each	900.00
2049	Supply of batten suitable for single, T8 LED tube light	each	127.00
2050	Supply of batten suitable for double, T8 LED tube light	each	161.00
2051	Decorative wall bracket fixture in chrome finish with glass diffuser suitable for single 15 watt CFL/LED lamp.	each	576.00
2052	Decorative wall bracket fixture in chrome finish with glass diffuser suitable for double 15 watt CFL/LED lamp.	each	720.00
2053	8/10 watt LED post top lantern suitable for garden light	each	3,280.00
2054	25/30 watt LED post top lantern suitable for gate light	each	6,387.75
2149	3 watt LED lamp	each	90.00
2150	5 watt LED lamp	each	95.00
2151	7 watt LED lamp	each	110.00
2152	10/12 watt LED lamp	each	127.50
2153	15 watt LED lamp	each	220.00
2154	18 watt LED Tubelight, T8	each	393.60
2155	18 watt LED Tubelight, T5	each	316.00
2331	600 mm wall mounted air circulator fan, heavy duty	each	5,650.00
2332	Floor mounted outdoor type feeder pillar cubical type panel board, fabricated with 14 guage iron sheet suitable for panel mounted SFU/MCCB and complete with bus-bar chamber, insulator, nut-bolt with MS 40 X 40 X 5 mm angle stand and complete with powder painting etc as required. (But without busbar copper strip)	Sq.ft.	1,500.00

CHAPTER – 0.3
APPROVED BRAND

0.3 APPROVED BRAND

S.NO.	ELECTRICAL MATERIALS	APPROVED BRAND NAME
1	FR PVC insulated copper conductor	Havells/ HPL/ Capital/ KEI/ Polycab/ Standard/ L & T/ RR Kabel
2	PVC insulated Aluminium conductor	Capital/ Harson/ Polycab
3	PVC Conduit and Accessories	Malhotra/ Polycab/ Harson/ AKG/ Sharp/ Anchor
4	Piano type Switches and Accessories	Anchor/ HPL/ Havells/ Cona
5	Modular type Switches and Accessories	Crabtree & Coral (Havells)/ Roma/ HPL/ Legrand (Mylinec)/ Philips/ ABB/ Levana (Polycab) / C & S/ L&T/ Standard
6	Switch disconnecter (SFU), Changeover Switches, Busbar Chamber & Kit-Kat	Havells/ HPL/ Standard/ Capital/ ABB/ Legrand/ L & T/ C & S
7	MCCB's, & RCCB	Havells/ HPL/ Standard/ ABB/ Legrand/ L & T/ C & S/ Polycab
8	MCB, MCB DB's, Isolator	Havells/ HPL/ Standard/ ABB/ Legrand/ L & T/ C & S/ Polycab/ Anchor (UNO)
9	Chemical Earthing	OBO/ True Power
10	PVC Insulated Armoured Cable	Havells/ Capital/ Polycab/ KEI/ RR Kabel
11	Fan & Exhaust Fan	Crompton/ Orient/Anchor /Havells / Bajaj/ Standard
12	Electrical Luminaire/ Fixture, Lamp & ballast	Havells/ Philips/ Bajaj/ HPL/ Crompton/ Polycab/ C & S
13	LED Luminaire/Fixture	Philips/ Havells/ Bajaj/ Jaquar/ HPL/ Syska/ C & S/ Crompton/ Wipro
14	Octagonal Street Light Pole	Bajaj/ Philips/ Crompton/ Volmont/ Transrail

CHAPTER – 1

WIRING

CHAPTER 1 - WIRING

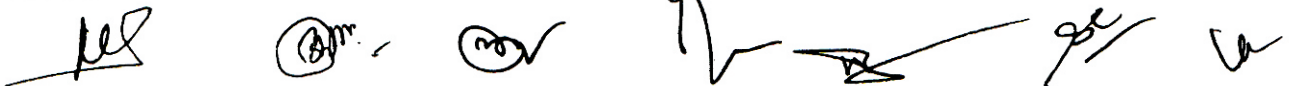
Item Code	Description	Unit	Rate Rs.
COPPER WIRING IN PVC CONDUIT			
1.1.	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit with piano type switch, phenolic laminated sheet, suitable size M.S./PVC box etc as required.		
1.1.1	Group 'A'	Point	465.00
1.1.2	Group 'B'	Point	559.00
1.1.3	Group 'C'	Point	681.00
1.2	Wiring for twin control light point with 1.5 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way piano type switch, phenolic laminated sheet, suitable size PVC / MS box etc as required		
		Point	685.00
1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit with modular switch , modular plate, suitable size G.I. box etc as required.		
1.3.1	Group A	Point	513.00
1.3.2	Group B	Point	602.00
1.3.3	Group C	Point	724.00
1.4	Wiring for twin control light point with 1.5 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box etc as required.		
		Point	755.00
1.5	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.		
		Meter	200.00

Item Code	Description	Unit	Rate Rs.
1.6	Wiring for light/ power plug plug with 4 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 2 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Meter	335.00
1.7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.		
1.7.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Meter	130.00
1.7.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Meter	161.00
1.7.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Meter	200.00
1.7.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Meter	271.00
1.7.5	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	Meter	382.00
1.7.6	2 X 16 sq. mm + 1 X 16 sq. mm earth wire	Meter	559.00
1.7.7	2 X 25 sq. mm + 1 X 16 sq. mm earth wire	Meter	727.00
1.7.8	2 X 35 sq. mm + 1 X 16 sq. mm earth wire	Meter	919.00
1.7.9	4 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Meter	226.00
1.7.10	4 X 4 sq. mm + 1 X 4 sq. mm earth wire	Meter	294.00
1.7.11	4 X 6 sq. mm + 1 X 6 sq. mm earth wire	Meter	410.00
1.7.12	4 X 10 sq. mm + 1 X 10 sq. mm earth wire	Meter	593.00
1.7.13	4 X 16 sq. mm + 1 X 16 sq. mm earth wire	Meter	879.00
1.7.14	4 X 25 sq. mm + 1 X 16 sq. mm earth wire	Meter	1232.00
1.7.15	4 X 35 sq. mm + 1 X 16 sq. mm earth wire	Meter	1587.00

ALUMINIUM WIRING IN PVC CONDUIT

1.8	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm PVC insulated aluminium conductor single core cable in surface / recessed medium class PVC conduit with piano type switch , phenolic laminated sheet, suitable size M.S. /PVC box etc as required.		
1.8.1	Group 'A'	Point	387.00
1.8.2	Group 'B'	Point	448.00

Item Code	Description	Unit	Rate Rs.
1.8.3	Group 'C'	Point	542.00
1.9	Wiring for twin control light point with 1.5 sq. mm PVC insulated aluminium conductor single core cable in surface / recessed medium class PVC conduit, 2 way piano type switch, phenolic laminated sheet, suitable size PVC / MS box etc as required	Meter	546.00
1.10	Wiring for light/ power plug with 2 X 4 sq. mm PVC insulated aluminium conductor single core cable in surface / recessed medium class PVC conduit along with 1 No. 4 sq. mm PVC insulated aluminium conductor single core cable for loop earthing as required.	Meter	88.00
1.11	Wiring for light/ power plug with 4 X 4 sq. mm PVC insulated aluminium conductor single core cable in surface / recessed medium class PVC conduit along with 2 No. 4 sq. mm PVC insulated aluminium conductor single core cable for loop earthing as required.	Meter	134.00
1.12	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of PVC insulated aluminium conductor, single core cable in surface/ recessed medium class PVC conduit as required.		
1.12.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Meter	88.00
1.12.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Meter	93.00
1.12.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Meter	100.00
1.12.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Meter	119.00
1.12.5	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	Meter	139.00
1.12.6	2 X 16 sq. mm + 1 X 16 sq. mm earth wire	Meter	180.00
1.12.7	2 X 25 sq. mm + 1 X 16 sq. mm earth wire	Meter	186.00
1.12.8	4 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Meter	112.00
1.12.9	4 X 4 sq. mm + 1 X 4 sq. mm earth wire	Meter	127.00
1.12.10	4 X 6 sq. mm + 1 X 6 sq. mm earth wire	Meter	155.00
1.12.11	4 X 10 sq. mm + 1 X 10 sq. mm earth wire	Meter	187.00
1.12.12	4 X 16 sq. mm + 1 X 16 sq. mm earth wire	Meter	247.00
1.12.13	4 X 25 sq. mm + 1 X 16 sq. mm earth wire	Meter	326.00



Item Code	Description	Unit	Rate Rs.
COPPER RE- WIRING IN EXISTING PVC CONDUIT			
1.13	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable and 1.5 sq. mm FR PVC insulated copper conductor single core as earth wire in existing surface / recessed medium class PVC conduit including dismantling as required.		
1.13.1	Group 'A'	Point	298.00
1.13.2	Group 'B'	Point	348.00
1.13.3	Group 'C'	Point	468.00
1.14	Rewiring for twin control light point point with 1.5 sq.mm FR PVC insulated copper conductor single core cable and 1.5 sq. mm FR PVC insulated copper conductor single core as earth wire in existing surface / recessed medium class PVC conduit including dismantling as required.	Point	473.00
1.15	Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ recessed PVC conduit as required.		
1.15.1	1 X 1.5 sq. mm	Meter	24.00
1.15.2	2 X 1.5 sq. mm	Meter	41.00
1.15.3	3 X 1.5 sq. mm	Meter	62.00
1.15.4	4 X 1.5 sq. mm	Meter	79.00
1.15.5	5 X 1.5 sq. mm	Meter	100.00
1.15.6	6 X 1.5 sq. mm	Meter	117.00
1.15.7	7 X 1.5 sq. mm	Meter	141.00
1.15.8	8 X 1.5 sq. mm	Meter	158.00
1.15.9	9 X 1.5 sq. mm	Meter	182.00
1.15.10	10 X 1.5 sq. mm	Meter	199.00
1.15.11	2 X 2.5 sq. mm	Meter	62.00
1.15.12	3 X 2.5 sq. mm	Meter	93.00
1.15.13	4 X 2.5 sq. mm	Meter	120.00
1.15.14	5 X 2.5 sq. mm	Meter	151.00

Item Code	Description	Unit	Rate Rs.
1.15.15	6 X 2.5 sq. mm	Meter	178.00
1.15.16	7 X 2.5 sq. mm	Meter	213.00
1.15.17	8 X 2.5 sq. mm	Meter	240.00
1.15.18	9 X 2.5 sq. mm	Meter	275.00
1.15.19	10 X 2.5 sq. mm	Meter	302.00
1.15.20	2 X 4 sq. mm	Meter	95.00
1.15.21	3 X 4 sq. mm	Meter	135.00
1.15.22	4 X 4 sq. mm	Meter	176.00
1.15.23	5 X 4 sq. mm	Meter	217.00
1.15.24	6 X 4 sq. mm	Meter	257.00
1.15.25	7 X 4 sq. mm	Meter	298.00
1.15.26	8 X 4 sq. mm	Meter	339.00
1.15.27	9 X 4 sq. mm	Meter	380.00
1.15.28	10 X 4 sq. mm	Meter	432.00
1.15.29	2 X 6 sq. mm	Meter	136.00
1.15.30	3 X 6 sq. mm	Meter	196.00
1.15.31	4 X 6 sq. mm	Meter	264.00
1.15.32	5 X 6 sq. mm	Meter	325.00
1.15.33	6 X 6 sq. mm	Meter	393.00
1.15.34	7 X 6 sq. mm	Meter	453.00
1.15.35	8 X 6 sq. mm	Meter	516.00
1.15.36	9 X 6 sq. mm	Meter	576.00
1.15.37	10 X 6 sq. mm	Meter	637.00
1.16	Supplying and drawing following pair 0.5 sq. mm FR PVC insulated annealed copper conductor, unarmoured telephone cable in the existing surface/ recessed PVC conduit as required.		
1.16.1	1 Pair	Meter	13.00
1.16.2	2 Pair	Meter	18.00
1.16.3	4 Pair	Meter	22.00
1.17	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated,		

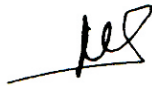
Item Code	Description	Unit	Rate Rs.
1.17	shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed PVC conduit as required.	Meter	29.00
ALUMINIUM RE-WIRING IN EXISTING PVC CONDUIT			
1.18	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm PVC insulated aluminium conductor single core cable and 1.5 sq. mm PVC insulated aluminium conductor single core as earth wire in existing surface / recessed medium class PVC conduit including dismantling as required.		
1.18.1	Group 'A'	Point	173.00
1.18.2	Group 'B'	Point	182.00
1.18.3	Group 'C'	Point	264.00
1.19	Rewiring for twin control light point point with 1.5 sq.mm FR PVC insulated aluminium conductor single core cable and 1.5 sq. mm PVC insulated aluminium conductor single core as earth wire in existing surface / recessed medium class PVC conduit including dismantling as required.	Point	264.00
1.20	Supplying and drawing following sizes of PVC insulated aluminium conductor, single core cable in the existing surface/ recessed PVC conduit as required.		
1.20.1	1 X 1.5 sq. mm	Meter	10.00
1.20.2	2 X 1.5 sq. mm	Meter	13.00
1.20.3	3 X 1.5 sq. mm	Meter	20.00
1.20.4	4 X 1.5 sq. mm	Meter	23.00
1.20.5	5 X 1.5 sq. mm	Meter	29.00
1.20.6	6 X 1.5 sq. mm	Meter	32.00
1.20.7	7 X 1.5 sq. mm	Meter	43.00
1.20.8	8 X 1.5 sq. mm	Meter	46.00
1.20.9	9 X 1.5 sq. mm	Meter	56.00
1.20.10	10 X 1.5 sq. mm	Meter	59.00


Item Code	Description	Unit	Rate Rs.
1.20.11	2 X 2.5 sq. mm	Meter	16.00
1.20.12	3 X 2.5 sq. mm	Meter	25.00
1.20.13	4 X 2.5 sq. mm	Meter	29.00
1.20.14	5 X 2.5 sq. mm	Meter	37.00
1.20.15	6 X 2.5 sq. mm	Meter	42.00
1.20.16	7 X 2.5 sq. mm	Meter	54.00
1.20.17	8 X 2.5 sq. mm	Meter	58.00
1.20.18	9 X 2.5 sq. mm	Meter	70.00
1.20.19	10 X 2.5 sq. mm	Meter	75.00
1.20.20	2 X 4 sq. mm	Meter	28.00
1.20.21	3 X 4 sq. mm	Meter	35.00
1.20.22	4 X 4 sq. mm	Meter	42.00
1.20.23	5 X 4 sq. mm	Meter	50.00
1.20.24	6 X 4 sq. mm	Meter	57.00
1.20.25	7 X 4 sq. mm	Meter	64.00
1.20.26	8 X 4 sq. mm	Meter	71.00
1.20.27	9 X 4 sq. mm	Meter	79.00
1.20.28	10 X 4 sq. mm	Meter	97.00
1.20.29	2 X 6 sq. mm	Meter	34.00
1.20.30	3 X 6 sq. mm	Meter	44.00
1.20.31	4 X 6 sq. mm	Meter	60.00
1.20.32	5 X 6 sq. mm	Meter	70.00
1.20.33	6 X 6 sq. mm	Meter	87.00
1.20.34	7 X 6 sq. mm	Meter	97.00
1.20.35	8 X 6 sq. mm	Meter	108.00
1.20.36	9 X 6 sq. mm	Meter	118.00
1.20.37	10 X 6 sq. mm	Meter	128.00

1.21

Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.






Item Code	Description	Unit	Rate Rs.
1.21.1	20 mm	Metre	68.00
1.21.2	25 mm	Metre	79.00
1.21.3	32 mm	Metre	92.00
1.21.4	40 mm	Metre	111.00
1.21.5	50 mm	Metre	126.00
1.22	Supplying and fixing metal/ PVC box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.		
1.22.1	75 mm X 75 mm X 50 mm deep	Each	93.00
1.22.2	100 mm X 100 mm X 60 mm deep	Each	140.00
1.22.3	150 mm X 75 mm X 60 mm deep	Each	116.00
1.22.4	150 mm X 150 mm X 60 mm deep	Each	166.00
1.22.5	180 mm X 100 mm X 60 mm deep	Each	132.00
1.22.6	200 mm X 150 mm X 60 mm deep	Each	193.00
1.22.7	200 mm X 250 mm X 60 mm deep	Each	259.00
1.22.8	200 mm X 300 mm X 60 mm deep	Each	308.00
1.22.9	250 mm X 300 mm X 60 mm deep	Each	344.00
1.23	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.		
1.23.1	5/6 amps switch	Each	39.00
1.23.2	2 way, 5/6 amps switch	Each	42.00
1.23.3	15/16 amps switch	Each	90.00
1.23.4	3 pin , 5/6 amps socket outlet	Each	52.00
1.23.5	6 pin, 15/16 amps socket outlet	Each	91.00
1.23.6	Telephone socket outlet	Each	72.00
1.23.7	TV antenna socket outlet	Each	53.00
1.23.8	Bell push	Each	50.00
1.23.9	Electronic step fan regulator, piano type	Each	204.00
1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box		

Item Code	Description	Unit	Rate Rs.
	including connections but excluding modular plate etc. as required.		
1.24.1	5/6 amps switch	Each	81.00
1.24.2	2 way, 5/6 amps switch	Each	111.00
1.24.3	15/16 amps switch	Each	134.00
1.24.4	3 pin , 5/6 amps socket outlet	Each	122.00
1.24.5	6 pin, 15/16 amps socket outlet	Each	185.00
1.24.6	Telephone socket outlet	Each	108.00
1.24.7	TV antenna socket outlet	Each	102.00
1.24.8	Bell push	Each	116.00
1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate/ switch box including connections but excluding modular plate etc. as required.	Each	359.00
1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box but excluding modular plate as required.	Each	26.00
1.27	Supplying and fixing following size/ modules, GI box along with modular base and cover plate for modular switches in recess etc as required.		
1.27.1	1 or 2 Module (75mmX75mm)	Each	180.00
1.27.2	3 Module (100mmX75mm)	Each	210.00
1.27.3	4 Module (125mmX75mm)	Each	225.00
1.27.4	6 Module (200mmX75mm)	Each	275.00
1.27.5	8 Module (125mmX125mm)	Each	334.00
1.27.6	12 Module (200mmX150mm)	Each	423.00
1.28	Supplying and fixing following Modular base and cover plate on existing modular metal boxes etc. as required.		
1.28.1	1 Module	Each	85.00
1.28.2	2 Module	Each	85.00
1.28.3	3 Module	Each	100.00
1.28.4	4 Module	Each	106.00

Item Code	Description	Unit	Rate Rs.
1.28.5	6 Module	Each	128.00
1.28.6	8 Module	Each	158.00
1.28.7	12 Module	Each	218.00
1.29	Supplying and fixing metal/pvc box of 150mm X 75mm X 60 mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connections, painting etc. as required.	Each	187.00
1.30	Supplying and fixing metal/pvc box of 180mm X 100mm X 60 mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connections, painting etc. as required.	Each	286.00
1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	Each	362.00
1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	413.00
1.33	Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	42.00
1.34	Supplying and fixing batten/ angle holder including connection etc. as required.	Each	46.00
1.35	Erection of wall bracket / ceiling fittings of all sizes and shapes containing upto two GLS lamps per fitting, complete with all accessories including connection etc. as required.	Each	46.00
1.36	Supplying and fixing call bell / buzzer suitable for single phase, 230 volts complete as required.	Each	80.00

Item Code	Description	Unit	Rate Rs.
1.37	Supplying and fixing Ding-Dong call bell suitable for single phase, 230 volts complete as required.	Each	138.00
1.38	Supplying and fixing electronic musical call suitable for single phase, 230 volts complete bell as required.	Each	219.00
1.39	Providing and fixing plain 16/0.20mm (0.50sq mm) twin flat flexible, FR PVC insulated, copper cable, in PVC sleeve of suitable size on the floor /wall, or side of the table /door etc. as required.	Metre	18.00
1.40	Providing and fixing plain 16/0.20mm (0.50sq mm) twin circular flexible, FR PVC insulated, PVC sheathed copper cable,direct on the wall with PVC clips etc. as required.	Metre	23.00
1.41	Installation, testing and commissioning of pre-wired, flourescent fitting / compact flourescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated. Copper conductor , single core cable and earthing etc. as required.	Each	84.00
1.42	Installation, testing and commissioning of pre-wired, flourescent fitting / compact flourescent fitting of all types, complete with all accessories and tube etc. including supplying and fixing ball and socket arrangement, 2 no. down rods of 20mm dia X 1.6 mm thick G.I. pipe upto 30 cm. length, painting and wiring the down rods and connection with 1.5 sq mm FR PVC insulated copper conductor, single core cable and earthing etc. as required.	Each	333.00
1.43	Providing and fixing extra conduit down rod of 20 mm dia, 2X10 cm length wiring with 2X1.5 sq. mm FR PVC insulated, copper conductor, single core cable including painting etc etc. as required. (Note:More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	Each	53.00
1.44	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	Each	85.00

Item Code	Description	Unit	Rate Rs.
1.45	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	Each	119.00
1.46	Installation, testing and commissioning of resistance type ceiling fan regulator, in existing switch box including with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, earthing the regulator etc. as required.	Each	36.00
1.47	Supplying and fixing extra down rod of 10 cm length G.I. pipe, 15 mm dia, heavy guage including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	Each	35.00
1.48	Supplying and fixing extra down rod of 10 cm length G.I. pipe, 20 mm dia, heavy guage including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	Each	38.00
1.49	Numbering of ceiling fan / exhaust fan/ fluorescent fittings as required.	Each	26.00
1.50	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.		
1.50.1	Upto 450 mm sweep	Each	198.00
1.50.2	Upto 510 mm sweep	Each	271.00
1.51	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	Each	83.00
1.52	Painting of ceiling fan in installed position with one or more coats of spray painting with synthetic enamel paint of approved brand and manufacture to give an even shade, including cleaning of surface with detergent etc as required.	Each	90.00

CHAPTER – 2

SWITCHGEAR & DB'S

CHAPTER 2 - SWITCHGEARS & DB'S








Item Code	Description	Unit	Rate Rs.
2.1	Providing and fixing following capacity double pole/ TP&N sheet metal switch disconnecter fuse unit in the existing metal panel board with rewirable type fuses including drilling holes in metal panel, making connections etc. as required.		
2.1.1	16 Amp, double pole	Each	550.00
2.1.2	32 Amp, double pole	Each	1,153.00
2.1.3	63 Amp, double pole	Each	2,838.00
2.1.4	32 Amp, TP&N	Each	1,938.00
2.1.5	63 Amp, TP&N	Each	3,752.00
2.1.6	100 Amp, TP&N	Each	6,768.00
2.1.7	200 Amp, TP&N	Each	11,162.00
2.1.8	320 Amp, TP&N	Each	16,017.00
2.2	Providing and fixing following capacity double pole/ TP&N sheet metal switch disconnecter fuse unit in the existing metal panel board with ISI marked HRC fuses including drilling holes in metal panel, making connections etc. as required.		
2.2.1	63 Amp TP&N, HRC	Each	2,286.00
2.2.2	100 Amp TP&N, HRC	Each	5,919.00
2.2.3	200 Amp TP&N, HRC	Each	8,595.00
2.2.4	320 Amp TP&N, HRC	Each	12,562.00
2.2.5	400 Amp TP&N, HRC	Each	14,958.00
2.2.6	500 Amp TP&N, HRC	Each	24,769.00
2.2.7	800 Amp TP&N, HRC	Each	30,942.00
2.3	Providing and fixing following capacity TP&N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections etc. as required.		
2.3.1	32 Amp TP&N	Each	1,490.00
2.3.2	63 Amp TP&N	Each	2,124.00

Item Code	Description	Unit	Rate Rs.
2.3.3	100 Amp TP&N	Each	4,419.00
2.3.4	125 Amp TP&N	Each	4,761.00
2.3.5	160 Amp TP&N	Each	5,754.00
2.3.6	200 Amp TP&N	Each	6,710.00
2.3.7	250 Amp TP&N	Each	8,124.00
2.3.8	320 Amp TP&N	Each	10,820.00
2.3.9	400 Amp TP&N	Each	12,574.00
2.3.10	630 Amp TP&N	Each	22,459.00
2.4	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections etc. as required.		
2.4.1	25/100 Amp, 10 KA	Each	2,158.00
2.4.2	25/100 Amp, 16 KA	Each	3,254.00
2.4.3	125 Amp, 16 KA	Each	4,004.00
2.4.4	160 Amp, 35 KA	Each	9,787.00
2.4.5	200 Amp, 35 KA	Each	11,915.00
2.4.6	250 Amp, 35 KA	Each	14,598.00
2.4.7	315 Amp, 35 KA	Each	17,957.00
2.4.8	400 Amp, 35 KA	Each	19,697.00
2.4.9	500 Amp, 35 KA	Each	23,084.00
2.4.10	630 Amp, 35/50 KA	Each	24,910.00
2.4.11	800 Amp, 35/50 KA	Each	30,139.00
2.5	Providing and fixing following capacity busbar chamber with 4 strips of suitable size made of copper, heavy duty, complete with all accessories including connections, earthing the body etc. as required.		
2.5.1	63 Amps	Each	2,861.00
2.5.2	100 Amps	Each	3,684.00
2.5.3	200 Amps	Each	7,742.00
2.5.4	300 Amps	Each	9,546.00
2.5.5	400 Amps	Each	15,655.00
2.5.6	500 Amps	Each	19,549.00

Item Code	Description	Unit	Rate Rs.
2.5.7	600 Amps	Each	24,411.00
2.5.8	800 Amps	Each	25,359.00
2.6	Providing and fixing following capacity double pole/ four pole OFF-load changeover switches with side handle operation, in sheet enclosure in existing metal board, including drilling holes in metal panel, making connections etc. as required.		
2.6.1	32 Amp, double pole	Each	1,206.00
2.6.2	63 Amp, double pole	Each	2,236.00
2.6.3	32 Amp, four pole	Each	1,948.00
2.6.4	63 Amp, four pole	Each	4,176.00
2.6.5	100 Amp, four pole	Each	7,814.00
2.6.6	200 Amp, four pole	Each	11,831.00
2.6.7	320 Amp, four pole	Each	15,238.00
2.6.8	400 Amp, four pole	Each	17,529.00
2.6.9	630 Amp, four pole	Each	35,661.00
2.7	Providing and fixing following capacity four pole ON-load/ panel mounted changeover switches inside the existing cubical panel board including drilling holes in cubicle panel, making connections etc. as required.		
2.7.1	40 Amp, four pole	Each	3,503.00
2.7.2	63 Amp, four pole	Each	3,716.00
2.7.3	100 Amp, four pole	Each	4,878.00
2.7.4	125 Amp, four pole	Each	7,252.00
2.7.5	160 Amp, four pole	Each	7,903.00
2.7.6	200 Amp, four pole	Each	9,463.00
2.7.7	250 Amp, four pole	Each	11,636.00
2.7.8	320 Amp, four pole	Each	14,514.00
2.7.9	400 Amp, four pole	Each	21,116.00
2.7.10	630 Amp, four pole	Each	24,806.00
2.8	Supplying and fixing following way single pole & neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus-bar,		

Item Code	Description	Unit	Rate Rs.
	earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)		
2.8.1	2 + 4 way, single door	Each	633.00
2.8.2	2 + 6 way, single door	Each	671.00
2.8.3	2 + 8 way, single door	Each	741.00
2.8.4	2 + 10 way, single door	Each	887.00
2.8.5	2 + 12 way, single door	Each	949.00
2.8.6	2 + 4 way, Double door	Each	1,004.00
2.8.7	2 + 6 way, Double door	Each	1,081.00
2.8.8	2 + 8 way, Double door	Each	1,242.00
2.8.9	2 + 12 way, Double door	Each	1,315.00
2.9	Supplying and fixing following way, horizontal type three pole & neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus - bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)		
2.9.1	4 way (4 + 12), Single door, horizontal type	Each	1,680.00
2.9.2	6 way (4 + 18), Single door, horizontal type	Each	1,961.00
2.9.3	8 way (4 + 24), Single door, horizontal type	Each	2,152.00
2.9.4	4 way (4 + 12), double door, horizontal type	Each	2,388.00
2.9.5	6 way (4 + 18), double door, horizontal type	Each	2,905.00
2.9.6	8 way (4 + 24), double door, horizontal type	Each	3,702.00
2.10	Supplying and fixing following ways, surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amp tinned copper bus bar, common neutral link, earth bar, din bar, for mounting MCB's (but without MCB's and incomer) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)		

Item Code	Description	Unit	Rate Rs.
2.10.1	4 way (8 + 12), Single door, Vertical type	Each	5,320.00
2.10.2	8 way (8 + 24), Single door, Vertical type	Each	7,242.00
2.10.3	12 way (8 + 36), Single door, Vertical type	Each	9,380.00
2.10.4	4 way (8 + 12), Double door, Vertical type	Each	6,321.00
2.10.5	8 way (8 + 24), Double door, Vertical type	Each	7,686.00
2.10.6	12 way (8 + 36), Double door, Vertical type	Each	9,920.00
2.11	6/32 amps, single pole MCB, "B" series	Each	Deleted
2.12	Supplying and fixing following rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
2.12.1	6/32 amps, Single pole	Each	192.00
2.12.2	6/32 amps, SPN	Each	511.00
2.12.3	40 amps, Single pole and neutral	Each	729.00
2.12.4	50/63 amps, Single pole and neutral	Each	825.00
2.12.5	6/32 amps, Tripole pole and neutral	Each	1,108.00
2.12.6	40 amps, Tripole pole and neutral	Each	1,487.00
2.12.7	50/63 amps, Tripole pole and neutral	Each	1,635.00
2.13	Supplying and fixing following rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
2.13.1	6/32 amps, Double pole	Each	537.00
2.13.2	40 amps, Double pole	Each	805.00
2.13.3	50/63 amps, Double pole	Each	919.00
2.14	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	13.00
2.15	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.		

Item Code	Description	Unit	Rate Rs.
2.15.1	40 Amps	Each	355.00
2.15.2	63 Amps	Each	455.00
2.16	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
2.16.1	40 Amps	Each	495.00
2.16.2	63 Amps	Each	746.00
2.16.3	80/100 Amps	Each	1,022.00
2.17	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
2.17.1	16/25 Amps	Each	2,013.00
2.17.2	40 Amps	Each	2,180.00
2.17.3	63 Amps	Each	2,338.00
2.18	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
2.18.1	16/25 Amps	Each	2,595.00
2.18.2	40 Amps	Each	2,620.00
2.18.3	63 Amps	Each	2,941.00
2.19	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.		
	     Each  	Each	996.00

Item Code	Description	Unit	Rate Rs.
2.20	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel at least 2 mm thick, vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	Each	178.00
2.21	Providing and fixing H.T. danger notice plate of 250 mm X 200 mm, made of mild steel at least 2 mm thick, vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	Each	220.00
2.22	Supplying and fixing wall mounted metal board of welded construction, fabricated with minimum 35 mm X 35 mm X 6 mm angle iron frame work, with 25 mm X 6 mm flat iron as intermediate members including painting etc. as required.	Sq. mtr	3,087.00
2.23	Supplying and fixing wall mounted metal board of welded construction, fabricated with minimum 25 mm X 25 mm X 3 mm angle iron frame work, with 20 mm X 3 mm flat iron as intermediate members including painting etc. as required.	Sq. mtr	1,714.00
2.24	Supplying and fixing wall mounted metal board of welded construction, fabricated with minimum 25 mm X 4 mm angle iron frame work, with intermediate members same size including painting etc. as required.	Sq. mtr	1,631.00
2.25	Supplying and fixing 20 amps, 415 volts, TPN industrial type, socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 30 amps "C" curve, TP MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	Each	1,912.00
2.26	Supplying and fixing 30 amps, 415 volts, TPN industrial type, socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 30 amps "C" curve, TP MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	Each	3,157.00

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Each

3,157.00

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Item Code	Description	Unit	Rate Rs.
2.27	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32 amps 240 volts, "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	Each	777.00
2.28	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 40 amps 240 volts, "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	Each	1,044.00
2.29	Supplying and fixing TPN sheet steel enclosure on surface/ recess along with 25/32 amps 415 volts, "C" curve TPN MCB complete with connections, testing and commissioning etc. as required.	Each	1,392.00
2.30	Supplying and fixing TPN sheet steel enclosure on surface/ recess along with 63 amps 415 volts, "C" curve TPN MCB complete with connections, testing and commissioning etc. as required.	Each	1,919.00



CHAPTER – 3

EARTHING

CHAPTER 3 - EARTHING

Item Code	Description	Unit	Rate Rs.
3.1	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal/ coke and salt) as required.	Set	3,196.00
3.2	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required.	Set	5,125.00
3.3	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe 2.7 metre long etc. (but without charcoal/ coke and salt) as required.	Set	3,785.00
3.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering watering pipe 2.7 metre long etc. with charcoal/ coke and salt as required.	Each	6,276.00
3.5	Earthing with copper earth plate 600mmX600mmX3mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe 2.7 metre long etc. (but without charcoal/ coke and salt) as required.	Set	10,341.00
3.6	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe 2.7 metre long etc. with charcoal/ coke and salt as required.	Set	12,831.00
3.7	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble as required.	Metre	17.00

Item Code	Description	Unit	Rate Rs.
3.8	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ termination with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping with 2 sets of brass nut bolt and & spring washer spaced at 50 mm)	Metre	898.00
3.9	Supplying and laying 25 mm X 6 mm G.I. strip at 0.50 metre below ground as strip earth electrode, including connection/ termination with GI nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping with 2 sets of G.I. nut bolt & spring washer spaced at 50 mm)	Metre	108.00
3.10	Supplying and laying 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode, including connection with brass nut, bolt, spring, washer excavation and refilling etc. as required.	Metre	1,286.00
3.11	Supplying and laying 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode, including connection with G.I. nut, bolt, spring, washer excavation and refilling etc. as required.	Metre	487.00
3.12	Supplying and laying earth connection from earth electrode with 6 SWG dia G.I. wire in 15 mm dia G.I. pipe from earth electrode including connecion with G.I. thimble excavation and refilling etc. as required.	Metre	192.00
3.13	Supplying and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15 mm dia G.I. pipe from earth electrode including connecion with copper thimble excavation and refilling etc. as required.	Metre	269.00
3.14	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	Metre	1,032.00
3.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Metre	150.00

Item Code	Description	Unit	Rate Rs.
3.16	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing etc. as required.	Metre	38.00
3.17	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing etc. as required.	Metre	116.00
3.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	23.00
3.19	Providing and fixing 4.0 mm dia copper wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	102.00
3.20	Providing and fixing earth bus of 50 mm X 5 mm copper strip on surface for connections etc. as required.	Metre	1,963.00
3.21	Providing chemical/mineral maintenance free earthing system comprising of copper coated earth electrode 3 metre length and 17.2 mm outer dia along with 25 kg earth conductivity enhancing back fill mineral compound for earth electrode to fill up the excavated earth and earth inspection pit etc. as required.	Set	16,586.00



CHAPTER – 4

LIGHTNING CONDUCTOR

CHAPTER 4 - LIGHTNING CONDUCTOR

Item Code	Description	Unit	Rate Rs.
4.1	Providing and fixing lightning conductor finial, made of 25 mm dia 300 mm long, copper tube, having single prong on top, with 85 mm dia 3 mm thick copper base plate including holes etc. complete as required.	Each	930.00
4.2	Providing and fixing lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	188.00
4.3	Fixing of lightning conductor finial (single prong) with base plate including holes etc. as required.	Each	154.00
4.4	Jointing copper/ G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting/ nut bolting sweating and soldering etc. as required.	Each	87.00
4.5	Providing and fixing copper tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run)	Metre	446.00
4.6	Providing and fixing copper tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run)	Metre	474.00
4.7	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run)	Metre	71.00
4.8	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run)	Metre	99.00
4.9	Fixing of copper / G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run)	Metre	33.00
4.10	Fixing of copper / G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run)	Metre	71.00

Item Code	Description	Unit	Rate Rs.
4.11	Providing and fixing testing joint, made of 20 mm X 3 mm thick copper strip, 125 mm long, with 4 nos. of tinned brass bolts, nuts, chuk nuts and spring washers etc. complete as required.	Each	247.00
4.12	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 nos. of tinned G.I. bolts, nuts, chuk nuts and spring washers etc. complete as required.	Each	80.00
4.13	Providing and laying copper tape 32 mm X 6 mm from earth electrode directly in ground as required.	Metre	1,335.00
4.14	Providing and laying G.I. tape 32 mm X 6 mm from earth electrode directly in ground as required.	Metre	137.00
4.15	Laying copper/ G.I. tape 32 mm X 6 mm from earth electrode directly in ground as required.	Metre	29.00

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CHAPTER – 5

LUMINAIRES

CHAPTER 5 - LUMINAIRES

Item Code	Description	Unit	Rate Rs.
5.1	Supplying and fixing powder coated strip/ patty type fluorescent fittings of all type complete with all accessories etc. and lamp directly on wall/ ceiling including connections with 1.5 sq.mm FR PVC insulated copper conductor single core and earthing the body etc. as required.		
5.1.1	4' Long with aluminium/ polyster ballast	Each	447.00
5.1.2	4' Long with copper ballast	Each	519.00
5.1.3	4' Long with Electronic ballast	Each	472.00
5.2	Supplying and fixing powder coated strip/ patty type fluorescent fittings of all type complete with all accessories etc. and lamp directly on wall/ ceiling including connections with 1.5 sq.mm FR PVC insulated copper conductor single core and earthing the body etc. as required.		
	2' long with copper ballast	Each	414.00
5.3	Supplying and fixing following mounting rail/box type fluorescent fittings of all type complete with all accessories etc. and lamp directly on wall/ ceiling including connections with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing etc. as required.		
5.3.1	Single	Each	517.00
5.3.2	Double	Each	926.00
5.4	Supplying and fixing following decorative surface/ recess mounting CFL/fluorescent fittings with aluminium reflector and all accessories, lamp etc. directly on wall/ ceiling including connections with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing etc. as required.		
5.4.1	Single Decorative	Each	976.00
5.4.2	Double Decorative	Each	1,411.00
5.5		Each	Deleted
5.6	Supplying and fixing following CFL type street light fitting with sheet aluminium housing, acrylic cover and copper ballast including PL-L lamp etc.		

Item Code	Description	Unit	Rate Rs.
	on pole/building including connection and earthing the body etc. as required.		
5.6.1	With 18 watt PL-L lamp	Each	Deleted
5.6.2	With 36 watt PL-L lamp	Each	1,064.00
5.7	Supplying and fixing Bulk head fitting die cast aluminium alloy body with prismatic glass cover suitable for the GLS/CFL lamp directly on wall/ ceiling including connections with 1.5 sq.mm copper conductor cable and earthing the body etc. as required.	Each	445.00
5.8	Supplying and fixing decorative non-integral post top lantern with UV stablized clear/Opal polycarbonate diffuser suitable for Retrofit CFL lamp, complete with all accessories but without lamp including connection earthing the body etc. as required. (Normally used for garden/gate light)		
5.8.1	Catgory - 'A', (Make:- Philips/Bajaj/HPL)	Each	2,746.00
5.8.2	Catgory - 'B'	Each	705.00
5.9	Supplying and fixing following powder coated batten for 28 watt T5 flourescent tube complete with electronics ballast and lamp etc. directly on wall/ ceiling including connections with 1.5 sq.mm FR PVC insulated copper conductor and earthing the body etc. as required.		
5.9.1	Single	Each	565.00
5.9.2	Double	Each	926.00
5.9.3	Supplying and fixing single wall mounted 18/22 watt LED type batten fitting complete with electronic driver and LED tube etc directly on wall/ ceiling including connections with 1.5 sq.mm FR PVC insulated copper conductor and earthing the body etc. as required.	Each	684.00
5.10.1	Supplying and fixing indoor recess mounting decorative mirror optic luminaire with P5 parallite louvre and suitable for 2 x 36 Watt FPL/PLL lamp etc. directly on false ceiling, including connection with 1.5 sq.mm FR PVC insulated copper		

Item Code	Description	Unit	Rate Rs.
	conductor cable and earthing the body etc. as required.	Each	3,342.00
5.10.2	Supplying and fixing indoor recess mounting decorative mirror optic luminaire with P5 parallite louvre and suitable for 3 x 36 Watt FPL/PLL lamp etc. directly on false ceiling, including connection with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	4,144.00
5.10.3	Supplying and fixing indoor recess mounting 36 watt LED flat panel luminaire suitable for armstrong / grid ceiling and complete with electronic driver etc. directly on false ceiling including connection with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	4,023.00
5.11.1	Supplying and fixing recess mounted vertical down lighter suitable for single retrofit CFL lamp complete with all accessories and 18 watt CFL lamp, directly on false ceiling including connection with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	999.00
5.11.2	Supplying and fixing recess mounted vertical down lighter suitable for 2 X 18 Watt PL-C lamp complete with all accessories and 18 watt PL lamp, directly on false ceiling including connection with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	1,049.00
5.11.3	Supplying and fixing recess mounted 6/7 watt LED vertical downlighter complete with all accessories and replaceable electronic driver, directly on false ceiling including connection with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	671.00
5.11.4	Supplying and fixing recess mounted 12 watt LED vertical downlighter complete with all accessories and replaceable electronic driver, directly on false ceiling including connection with 1.5 sq.mm FR		

Item Code	Description	Unit	Rate Rs.
	FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	971.00
5.11.5	Supplying and fixing recess mounted 18 watt LED vertical downlighter complete with all accessories and replaceable electronic driver, directly on false ceiling including connection with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	1,066.00
5.12	Supplying and fixing following Retrofit CFL type street light fitting with sheet aluminium housing, clear acrylic cover and all accessories including Retrofit CFL lamp etc. on pole/building including connection with FR PVC insulated copper conductor cable and earthing the body etc. as required.		
5.12.1	With 35 watt Retrofit CFL lamp	Each	1,547.00
5.12.2	With 45 watt Retrofit CFL lamp	Each	1,681.00
5.12.3	With 85 watt Retrofit CFL lamp	Each	1,902.00
5.12.4	Supplying and fixing 20/24 watt LED type street light with die cast aluminium housing for ingress protection of IP65 and complete with all accessories etc, on pole/building including connection with FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	2,310.00
5.12.5	Supplying and fixing 40/45 watt LED type street light with die cast aluminium housing for ingress protection of IP65 and complete with all accessories etc, on pole/building including connection with FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	4,056.00
5.12.6	Supplying and fixing 90 watt LED type street light with die cast aluminium housing for ingress protection of IP65 and complete with all accessories etc, on pole/building including connection with FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	8,437.00

Item Code	Description	Unit	Rate Rs.
5.13	Supplying and fixing following HPSV/MH street light luminaire with high pressure die cast aluminium housing, POT optics reflector and toughened flat glass offering (IP65) ingress protection suitable for HPSV/ Metal halide lamp and complete with all accessories including lamp, connection etc. as required.		
5.13.1	With 70 watt HPSV lamp	Each	2,945.00
5.13.2	With 150 watt HPSV lamp	Each	4,420.00
5.13.3	With 250 watt HPSV lamp	Each	4,844.00
5.13.4	With 400 watt HPSV lamp	Each	5,657.00
5.13.5	With 150 watt Metal Halide lamp	Each	4,566.00
5.13.6	With 250 watt Metal Halide lamp	Each	5,192.00
5.13.7	With 400 watt Metal Halide lamp	Each	5,980.00
5.13.8	Supplying and fixing Integral FLOOD light luminaire with high pressure die cast aluminium housing, asymmetrical optics glass cover and offering (IP65) ingress protection suitable for 250 watt Metal halide lamp and complete with all accessories including lamp, connection etc. as required.		
	With 250 watt Metal Halide lamp	Each	5,209.00
5.13.9	Supplying and fixing Integral FLOOD light luminaire with high pressure die cast aluminium housing, asymmetrical optics glass cover and offering (IP65) ingress protection suitable for 250 watt Metal halide lamp and complete with all accessories including lamp, connection etc. as required.		
	With 400 watt Metal Halide lamp	Each	5,980.00
5.13.10	Supplying and fixing 90 watt LED type FLOOD light with die cast aluminium housing for ingress protection of IP65 and complete with all accessories etc and connection with FR PVC insulated copper conductor cable and earthing the body etc. as required.		
		Each	8,501.00

CHAPTER – 6

LAMP / BLAST

CHAPTER 6 - LAMP/BALLAST

Item Code	Description	Unit	Rate Rs.
6.1	Supplying and fixing of following types lamp in the existing electrical fitting/ fixtures etc. as required.		
6.1.1	100 watt GLS clear lamp	Each	23.00
6.1.2	2' X 20 watt tube light	Each	49.00
6.1.3	4' X 40 watt tube light	Each	51.00
6.1.4	5 watt CFL lamp	Each	128.00
6.1.5	8/11 watt CFL lamp	Each	148.00
6.1.6	14/15 watt CFL lamp	Each	154.00
6.1.7	18 watt CFL lamp	Each	221.00
6.1.8	20 watt CFL lamp	Each	221.00
6.1.9	23 watt CFL lamp	Each	248.00
6.1.10	26 watt CFL lamp	Each	248.00
6.1.11	45 watt CFL lamp	Each	476.00
6.1.12	9 watt PL-L lamp	Each	81.00
6.1.13	11 watt PL-L lamp	Each	88.00
6.1.14	13 watt PL-L lamp	Each	114.00
6.1.15	18 watt PL-L lamp	Each	117.00
6.1.16	36 watt PL-L lamp	Each	134.00
6.1.17	70 watt sodium lamp	Each	264.00
6.1.18	150 watt sodium lamp	Each	398.00
6.1.19	250 watt sodium lamp	Each	424.00
6.1.20	400 watt sodium lamp	Each	471.00
6.1.21	250 watt Metal Halide lamp (T)	Each	772.00
6.1.22	500 watt Halogen lamp	Each	102.00
6.1.23	1000 watt Halogen lamp	Each	127.00
6.1.24	28 watt (T5) tube light	Each	128.00
6.1.25	35/36 watt CFL lamp	Each	342.00
6.1.26	85 watt CFL lamp	Each	696.00
6.1.27	400 watt Metal Halide lamp (T)	Each	794.00

Item Code	Description	Unit	Rate Rs.
6.1.28	70 watt Metal Halide lamp (T)	Each	505.00
6.1.29	150 watt Metal Halide lamp (T)	Each	543.00
6.2	Supplying and fixing of following types ballast/ choke in the existing electrical fitting/ fixtures etc. as required.		
6.2.1	20/ 40 watt aluminium/polyster ballast	Each	183.00
6.2.2	20/ 40 watt copper ballast	Each	224.00
6.2.3	20/40 watt electronic ballast	Each	204.00
6.2.4	70 watt HPSV/ MH ballast	Each	735.00
6.2.5	150 watt HPSV/ MH ballast	Each	1,132.00
6.2.6	250 watt HPSV/ MH ballast	Each	1,603.00
6.2.7	400 watt HPSV/ MH ballast	Each	2,146.00
6.2.8	70 watt SV/ MH Control gear box	Each	deleted
6.2.9	150 watt SV/ MH Control gear box	Each	deleted
6.2.10	250 watt SV/ MH Control gear box	Each	deleted
6.2.11	400 watt SV/ MH Control gear box	Each	deleted
6.2.12	70 to 400 watt Ignitors	Each	198.00
6.2.13	20/ 40 watt starters	Each	19.00
6.2.14	Tube Fitting holder	Each	deleted
6.2.15	1 X 9/11/13 watt electronic ballast for PL (CFL)	Each	229.00
6.2.16	1 X 18 watt electronic ballast for PL (CFL)	Each	264.00
6.2.17	1 X 36 watt electronic ballast for PL (CFL)	Each	304.00
6.2.18	Electronic ballast for 28 watt (T5)	Each	261.00
6.3	Supplying and fixing of following capacity porcelain fuse Link, rewirable type, 240/415 volts, ISI marked, including drilling holes in board, making connections etc. as required.		
6.3.1	16 amp.	Each	152.00
6.3.2	32 amp.	Each	213.00
6.3.3	63 amp.	Each	374.00
6.3.4	100 amp.	Each	659.00

Item Code	Description	Unit	Rate Rs.
6.3.5	200 amp.	Each	1,197.00
6.3.6	320 amp. Supplying and fixing following way single pole, porcelain rewirable type, 16 amp per way distribution board on surface/ recess in suitable size PVC/ G.I. box with phenolic laminated sheet complete with porcelain fuse link, interconnections and earthing the body etc. as required.	Each	1,698.00
6.4.1	2 way, DB	Each	344.00
6.4.2	4 way, DB	Each	580.00
6.4.3	6 way, DB	Each	837.00
6.4.4	8 way, DB	Each	1,015.00
6.4.5	10 way, DB	Each	1,248.00
6.4.6	12 way, DB	Each	1,426.00

CHAPTER – 7

MV/HV CABLE LAYING

CHAPTER 7 - MV/HV CABLE LAYING

Item Code	Description	Unit	Rate Rs.
7.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.		
7.1.1	Upto 35 sq. mm	Metre	144.00
7.1.2	Above 35 sq. mm and upto 95 sq. mm	Metre	151.00
7.1.3	Above 95 sq. mm and upto 185 sq. mm	Metre	157.00
7.1.4	Above 185 sq. mm and upto 400 sq. mm	Metre	178.00
7.2	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc. as required.		
7.2.1	Upto 35 sq. mm	Metre	108.00
7.2.2	Above 35 sq. mm and upto 95 sq. mm	Metre	116.00
7.2.3	Above 95 sq. mm and upto 185 sq. mm	Metre	123.00
7.2.4	Above 185 sq. mm and upto 400 sq. mm	Metre	143.00
7.3	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required but excluding sand cushioning and protective covering.		
7.3.1	Upto 35 sq. mm	Metre	77.00
7.3.2	Above 35 sq. mm and upto 95 sq. mm	Metre	84.00
7.3.3	Above 95 sq. mm and upto 185 sq. mm	Metre	91.00
7.3.4	Above 185 sq. mm and upto 400 sq. mm	Metre	111.00
7.4	Fixing for laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.		

Item Code	Description	Unit	Rate Rs.
7.4.1	Upto 35 sq. mm (Clamped with 1 mm thick saddle)	Metre	29.00
7.4.2	Above 35 sq. mm and upto 95 sq. mm (Clamped with 25 x 3 mm MS flat clamp)	Metre	68.00
7.4.3	Above 95 sq. mm and upto 185 sq. mm (Clamped with 25/40 x 3 mm MS flat clamp)	Metre	78.00
7.4.4	Above 185 sq. mm and upto 400 sq. mm (Clamped with 40 x 3 mm MS flat clamp)	Metre	109.00
7.5	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.		
7.5.1	Upto 120 sq. mm	Metre	197.00
7.5.2	Above 120 sq. mm and upto 400 sq. mm	Metre	218.00

CHAPTER – 8

**POLE ERECTION AND
MISCELLANEOUS ITEM**

CHAPTER 8 - POLE ERECTION & MICELLANEOUS ITEM

Item Code	Description	Unit	Rate Rs.
8.1	Erection of metallic pole of following length in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required.		
8.1.1	Above 4.5 metre and upto 6.5 metre	Each	2,168.00
8.1.2	Above 6.5 metre and upto 8 metre	Each	2,581.00
8.1.3	Above 8 metre and upto 10.0 metre	Each	3,072.00
8.1.4	Above 10.00 metre and upto 12.00 metre	Each	3,585.00
8.2	Erection of steel tubular or rail pole strut in cement concrete 1:3:6 (1 cement : 3 coarse Erection of steel tubular or rail pole strut in cement concrete 1:3:6 (1 cement : 3 coarse and refilling and secured with holding clamps, bolts, nuts etc. as required.	Each	3,766.00
8.3	Providing and making steel pole collar with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 stone aggregate 20 mm) of specified size and shape including form work, plastering if required, curing etc. as required. (volume of pole/pipe not to be deducted)	Cum	3,602.00
8.4	Supplying and embedding following dia G.I. pipe (medium class) in pole collar/ foundation (during casting) for cable entry including bending the pipe to the required shape complete as required.		
8.4.1	32 mm dia	Meter	338.00
8.4.2	40 mm dia	Meter	390.00
8.5	Supplying and fixing of 32 mm dia X 2.00 metres long G.I. pipe (medium class) bracket for mounting of fluorescent / HPMV/ HPSV/ CFL street light fitting on pole including bending the pipe to the required shape, 2 nos 40 mm X 3 mm flat iron clamps with nuts, bolts and washer, painting the flat iron with primer and finish paint etc. as required.	Each	1,002.00
8.6	Supplying and fixing of light class G.I. pipe of 50 mm dia. (nominal) 3 metres length along the pole for protection of under ground cable as required.	Each	1,619.00
8.7	Supplying and fixing of light class G.I. pipe of 80 mm dia. (nominal) 3 metres length along the pole for protection of under ground cable as required.	Each	2,425.00

Item Code	Description	Unit	Rate Rs.
8.8	Supplying and fixing of light class G.I. pipe of 100 mm dia. (nominal) 3 metres length along the pole for protection of under ground cable as required.	Each	3,297.00
8.9.1	Supply and fixing pole mounted junction box/fuse box for single phase/ 2 core low wattage street light pole with all accessories and connection etc. as required.	Each	601.00
8.9.2	Supply and fixing pole mounted junction box/fuse box for three phase/ 4 core high wattage HPSV/HPMV/MH street light pole with all accessories and connection etc. as required.	Each	875.00
8.10.1	Supplying and fixing wall/floor mounted cubical panel board, fabricated with 18 gauge iron sheet, suitable for panel mounted switch disconnecter, including bus-bar chamber, insulator and painting etc. as required. (but without busbar copper strip)	Sq.ft	1,314.00
8.10.2	Supplying and fixing wall/floor mounted cubical panel board, fabricated with 16 gauge iron sheet, suitable for panel mounted switch disconnecter, including bus-bar chamber, insulator and painting etc. as required. (but without busbar copper strip)	Sq.ft	1,382.00
8.10.3	Supply and fixing digital voltmeter, single phase in the existing cubical panel board including drilling holes in the panel board, making connection etc as required.	Each	839.00
8.10.4	Supply and fixing digital voltmeter, three phase in the existing cubical panel board including drilling holes in the panel board, making connection etc as required.	Each	1,337.00
8.10.5	Supply and fixing digital Ammeter, single phase with C.T. coil in the existing cubical panel board including drilling holes in the panel board, making connection etc as required.	Each	1,154.00
8.10.6	Supply and fixing digital Ammeter, three phase with C.T. coil in the existing cubical panel board including drilling holes in the panel board, making connection etc as required.	Each	1,643.00
8.11.1	Supply and fixing extra down rod for ceiling fan of 1 metre length G.I. pipe, 15 mm dia, heavy guage including painting etc. as required.	Each	305.00
8.11.2	Supply and installation of regular/standard model A.C. ceiling fan of 1200 mm sweep including wiring the down rods of standard length (upto 30 cm) with 1.5 sq.	Each	1,618.00

Item Code	Description	Unit	Rate Rs.
8.11.3	Supply and installation of regular/standard model A.C. ceiling fan of 1400 mm sweep including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated copper conductor etc as required.	Each	1,758.00
8.11.4	Supply and installation of 300 mm, 230 v A.C. exhaust fan in the existing opening including making good the damage, connection testing, commissioning etc as required.	Each	1,483.00
8.11.5	Supply and installation of 375 mm, 230 v A.C. exhaust fan in the existing opening including making good the damage, connection testing, commissioning etc as required.	Each	3,543.00
8.11.6	Supply and installation of 450 mm, 230 v A.C. exhaust fan in the existing opening including making good the damage, connection testing, commissioning etc as required.	Each	4,413.00
8.11.7	Supply and installation of 400 mm, 230 v A.C. wall/cabin fan including fixing the bracket, making connection, testing, commissioning etc as required.	Each	2,427.00
8.12	Supply and erection of 4 metre height Hot-dip galvanized octagonal street light pole with following arm with top dia 70 mm and bottom dia A/F 130 mm, made of 3 mm thick sheet along with base plate of size 220 X 220 X 12 mm , small door opening for junction box mounting with MCB & connector, cement concrete of 1:3:6 including excavation, refilling and suitable size foundation bolts with template and all complete jobas required. (but without pole collar)		
8.12.1	Single arm, 1500 mm	Each	15,420.00
8.12.2	Double arm, 1500 mm	Each	16,895.00
8.13	Supply and erection of 6 metre height Hot-dip galvanized octagonal street light pole with following arm with top dia 70 mm and bottom dia A/F 130 mm, made of 3 mm thick sheet along with base plate of size 220 X 220 X 12 mm , small door opening for junction box mounting with MCB & connector, cement concrete of 1:3:6 including excavation, refilling and suitable size foundation bolts with template and all complete job as required. (but without pole collar)		

Item Code	Description	Unit	Rate Rs.
8.13.1	Single arm, 1500 mm	Each	20,535.00
8.13.2	Double arm, 1500 mm	Each	22,009.00
8.14	Supply and erection of 7 metre height Hot-dip galvanized octagonal street light pole with following arm with top dia 70 mm and bottom dia A/F 155 mm, made of 3 mm thick sheet along with base plate of size 260 X 260 X 16 mm , small door opening for junction box mounting with MCB & connector, cement concrete of 1:3:6 including excavation, refilling and suitable size foundation bolts with template and all complete job as required. (but without pole collar)		
8.14.1	Single arm, 1500 mm	Each	21,505.00
8.14.2	Double arm, 1500 mm	Each	22,980.00
8.15	Supply and erection of 8 metre height Hot-dip galvanized octagonal street light pole with following arm with top dia 70 mm and bottom dia A/F 155 mm, made of 3 mm thick sheet along with base plate of size 260 X 260 X 16 mm , small door opening for junction box mounting with MCB & connector, cement concrete of 1:3:6 including excavation, refilling and suitable size foundation bolts with template and all complete job as required. (but without pole collar)		
8.15.1	Single arm, 1500 mm	Each	24,181.00
8.15.2	Double arm, 1500 mm	Each	25,656.00

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CHAPTER – 9

CIVIL ITEMS

CHAPTER 9 - CIVIL ITEMS

Item Code	Description	Unit	Rate Rs.
9.1	Excavation for foundation in soft soil 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 metres.	Cum	153.00
9.2	Excavation for cable trenches of depth upto 1.2 m in soft soil including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 metres.	Cum	155.00
9.3	Filling available excavated earth (excluding rock) in trenches, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 metres.	Cum	99.00
9.4	Excavation for cable trenches in soft soil, depth upto 1.2 m including dressing of sides lift upto 1.5 m, including getting out the excavated soil, refilling with sand and or good soil after laying of cable/ pipe etc in layers of 20 cm, ramming, watering and disposal of excavated soil as directed, within a lead of 50 metres.	Cum	254.00
9.5	Deduct for not consolidation by ramming and watering while refilling with sand and or good soil in cable/ pipe laying.	Cum	57.00
9.6	Excavation for cable trenches in hard rock not exceeding 1.5 metres in width, and lift upto 1.5 metres including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 metres.	Cum	449.00
9.7	Providing and laying in position cement concrete 1: 2: 4 (1 : cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc including form work etc. as required.	Cum	4,298.00

Item Code	Description	Unit	Rate Rs.
9.8	Providing and laying in position cement concrete 1: 3: 6 (1 : cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc including form work etc. as required.	Cum	3,602.00
9.9	Providing and laying in position cement concrete 1: 3: 6 (1 : cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) in foundation of pump, DG set etc including form work etc. as required.	Cum	3,446.00
9.10	Providing and laying in position reinforced cement concrete 1: 2: 4 (1 : cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc including form work etc. as required. (excluding reinforcement)	Cum	4,523.00
9.11	Providing brick work (in width 225 mm or more) with F.P.S. bricks of class designation 7.5 in cement mortar 1 : 4 (1 cement : 4 coarse sand) at all levels.	Cum	4,425.00
9.12	Providing cement plaster of mix 1 : 4 (1 cement : 4 fine sand) at all levels.	Sq.m	163.00
9.13	Providing , laying and fixing of following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc as required.		
9.13.1	50 mm dia	Metre	509.00
9.13.2	80 mm dia	Metre	765.00
9.13.3	100 mm dia	Metre	765.00
9.13.4	150 mm dia	Metre	1,626.00
9.14	Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortar 1 : 2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc. as required.		
9.14.1	100 mm dia	Each	200.00
9.14.2	150 mm dia	Each	369.00
9.14.3	250 mm dia	Each	439.00
9.14.4	300 mm dia	Each	536.00

NEW ELECTRICAL ITEMS

Item Code	Description	Unit	Rate Rs.
2.4 (New)	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections etc. as required.		
2.4.11(N)	25/100 Amp, 16 KA, TPMCCB	Each	2,767.00
2.4.12	125 Amp, 16 KA, TPMCCB	Each	3,334.00
2.4.13	160 Amp, 35 KA, TPMCCB	Each	7,858.00
2.4.14	200 Amp, 35 KA, TPMCCB	Each	9,254.00
2.4.15	250 Amp, 35 KA, TPMCCB	Each	11,579.00
2.4.16	315 Amp, 35 KA, TPMCCB	Each	14,918.00
2.4.17	400 Amp, 35 KA, TPMCCB	Each	14,918.00
2.4.18	500 Amp, 35 KA, TPMCCB	Each	18,008.00
2.4.19	630 Amp, 50 KA, TPMCCB	Each	19,768.00
2.4.20	800 Amp, 50 KA, TPMCCB	Each	26,947.00
2.30	Supplying and fixing following rating and pole, 240/415 volts, MCB type changeover in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
2.30.1	63 Amps, 2 pole	Each	1,157.00
2.30.2	40 Amps, 4 pole	Each	950.00
2.30.3	63 Amps, 4 pole	Each	2,228.00
2.31	Supplying and fixing modular type 25 amps A.C. unit box with ON/OFF MCB on surface or in recess complete with connections, testing and commissioning etc as required.	Each	594.00
2.8	Supplying and fixing following way single pole & neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus-bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)		
2.8.10	6 way, Double door	Each	1,220.00
2.8.11	8 way, Double door	Each	1,279.00
2.8.12	12 way, Double door	Each	1,574.00

Item Code	Description	Unit	Rate Rs.
2.8.13	14/16 way, Double door	Each	1,936.00
2.32	Supplying and fixing Cable end box (Loose wire box, IP43) suitable for following single pole and neutral, sheet steel, MCB distribution board, 240/415 V, on surface /recess complete with testing and commissioning etc. as required.		
2.32.1	For 6 way, Double door SPN MCBDB	Each	603.00
2.32.2	For 8/10 way, Double door SPN MCBDB	Each	682.00
2.32.3	For 14 way, Double door SPN MCBDB	Each	804.00
2.32.4	For 4 way, Double door TPN MCBDB	Each	989.00
2.32.5	For 6 way, Double door TPN MCBDB	Each	1,034.00
2.32.6	For 8 way, Double door TPN MCBDB	Each	1,258.00
2.32.7	For Vertical, Double door TPN MCBDB	Each	861.00
5.9.4	Supplying and fixing single wall mounted 9/10 watt (2 ft long) LED type batten fitting complete with electronic driver and LED etc directly on wall/ ceiling including connections with 1.5 sq.mm FR PVC insulated copper conductor and earthing the body etc. as required.	Each	589.00
5.11.6	Supplying and fixing recess/surface mounted 23/24 (1ft X 1ft) watt LED downlighter complete with integrated electronic driver & LED directly on ceiling/false ceiling including connection with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	2,056.00
5.11.7	Supplying and fixing Surface mounted 15/18 watt LED downlighter complete with integrated electronic driver & LED directly on ceiling including connection with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	1,380.00
5.14	Supplying and fixing 4' X 40 watt suspended type LED luminaire provides soft-light and glare free symmetrical illumination complete with all accessories etc. including ball and socket arrangement, 2 no. down rods of 20mm dia X 1.6		

Item Code	Description	Unit	Rate Rs.
5.13	mm thick G.I. pipe upto 30 cm. length, painting and wiring the down rods and connection with 1.5 sq mm FR PVC insulated copper conductor, single core cable and earthing etc. as required.	Each	4,949.00
5.13.11	65/70 watt Street light	Each	5,570.00
5.13.12	120 watt Street light	Each	10,441.00
5.13.13	120 watt FLOOD light	Each	11,844.00
5.13.14	150/160 watt FLOOD light	Each	18,936.00
5.13.15	200/220 watt FLOOD light	Each	26,964.00
5.15	Supplying and fixing Surface mounted 10/12 watt LED type Bulk-head fitting comprising of pressure die cast housing with acrylic diffuser (IP65) and complete with integrated electronic driver etc directly on wall/ceiling including connection with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	1,293.00
5.16.1	Supplying and fixing decorative wall bracket fixture in chrome finish with glass diffuser suitable for 1 X 15 watt CFL/LED lamp directly on wall including connection with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as required. (But without lamp)	Each	907.00
5.16.2	Supplying and fixing decorative wall bracket fixture in chrome finish with glass diffuser suitable for 2 X 15 watt CFL/LED lamp directly on wall including connection with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as required. (But without lamp)	Each	1,100.00

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Item Code	Description	Unit	Rate Rs.
5.17.1	Supplying and fixing 8/10 watt LED type post top lantern suitable for garden/park light complete with integrated electronic driver and all accessories including connection with PVC insulated copper conductor cable and earthing the body etc. as required.	Each	4,485.00
5.17.2	Supplying and fixing 25/30 watt LED type post top lantern suitable for garden/park light complete with integrated electronic driver and all accessories including connection with PVC insulated copper conductor cable and earthing the body etc. as required.	Each	8,643.00
6.1	Supplying and fixing of following types lamp in the existing electrical fitting/ fixtures etc. as required.		
6.1.30	3 watt LED lamp	Each	128.00
6.1.31	5 watt LED lamp	Each	134.00
6.1.32	7 watt LED lamp	Each	159.00
6.1.33	10/12 watt LED lamp	Each	178.00
6.1.34	15 watt LED lamp	Each	302.00
8.11.8	Supply and installation of 600 mm, 230 V A.C. wall mounted Air circulator, heavy duty fan including fixing the bracket, making connection, testing, commissioning etc as required.	Each	7,741.00
8.10.3	Supplying and fixing Floor mounted outdoor feeder pillar cubical type panel board, fabricated with 14 guage iron sheet suitable for panel mounted SFU/MCCB and complete with bus-bar chamber, insulator, nut-bolt with MS 40 X 40 X 5 mm angle stand and complete with powder painting etc as required. (But without busbar copper strip, MCCB, & PCC work)	Sq. ft.	2,058.00

CHAPTER – 10

SPECIFICATION

10.0 SPECIFICATION

10.1 Point Wiring (Other than socket outlets points) :-

Unless and otherwise specified, there shall be no linear measurement for point wiring for light points, fan points, exhaust fan points and call bell points. Points measured on unit basis by counting and these points shall be classified as under according to the type of building.

10.1.1 Residential Buildings :-

- (a) **Group 'A'** for 4th grade, 3rd grade, 2nd grade residential quarters, Flat, Hostel etc.
- (b) **Group 'B'** for 1st grade and above type of residential quarters, Barracks, Bunglow quarters, Circuit House etc.

10.1.2 Non Residential Buildings :-

Group 'C' for all Non-residential buildings such as offices, Hospitals, High Court, Educational institution, libraries, laboratories, prisoner ward and Honourable Governer House, House, Honourable Governer house, Honourable chief justice house, Honourable chief minister house etc.

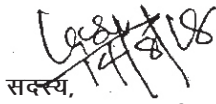
10.1.3 For any other type buildings :-

Any kind of building classification and to change the categorization of building is empowered to the 'Chief Electrical Engineer'.

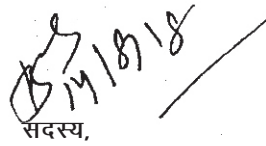
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10.2 **Point wiring for socket outlets points:-**

- (a) The 6 amp. Socket point and power point (16 amp) point wiring shall be measured on linear basis, from the respective tapping point of live cable, namely switch box, another socket point outlet, or the sub-distribution board as the case may be, up to the socket outlet.
- (b) The G.I./ PVC box with cover, switch, socket outlet and other accessories shall be measured and paid as a separate item.


सदस्य,
14/8/18

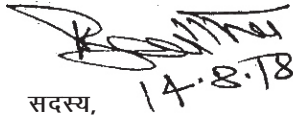
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सदस्य,
14/8/18

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

सदस्य,

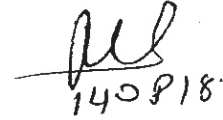
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सदस्य,
14.8.18

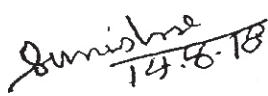
राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियंता (असै०), बिहार स्टेट पावर होल्डिंग कंपनी लिमिटेड, बिहार, पटना।


सदस्य,
14/8/18

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


सदस्य,
14/8/18

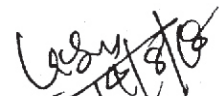
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सदस्य,
14.8.18

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


सदस्य,
14/8/18

राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख (मु०), जल संसाधन विभाग, बिहार, पटना।


संयोजक,
14/8/18

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