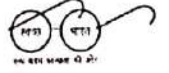




# जोधपुर नगर निगम, (दक्षिण)



पोलोटेक्निक कॉलेज परिसर, रेजीडेन्सी रोड, जोधपुर

E-Mail-nnjelectrical@gmail.com

क्रमांक:-सं./एफ-1.16/कार्य/2024/13606

दिनांक:-02.02.2024

ई- निविदा सूचना क्रमांक 13606 दिनांक 02.02.2024

UBN No...DLB2324WSOB30055

जोधपुर नगर निगम द्वारा इच्छुक कार्यो के अनुभवी योग्यताधारी विधुत लाईसेन्सधारी संवेदको/अभियंता एवं नगर निगम में पंजीकृत नियमानुसार E-EWSD श्रेणी संवेदको या अन्य विभाग में पंजीकृत (E-EWSD-I) संवेदक से ऑन-लाईन "ई" टेण्डर प्रक्रिया से निगम शर्तो के अधीन निविदाये आमंत्रित की जाती है। निविदा के कार्यो, योग्यता, शर्तो की समस्त जानकारी वेबसाईट पर [www.eproc.raj.in](http://www.eproc.raj.in) अथवा [www.sppp.raj.nic.in](http://www.sppp.raj.nic.in) अथवा [www.lsg.rajasthan.gov.in/mcjs](http://www.lsg.rajasthan.gov.in/mcjs) पर देखी जा सकती है।

(डॉ. टी शुभमंगला)

I.A.S

आयुक्त

नगर निगम जोधपुर (दक्षिण)

दिनांक:- 02.02.2024

क्रमांक:-सं./एफ-1.16/कार्य/2024/13607-11

प्रतिलिपि

1. राजस्थान संवाद जयपुर को भेजकर लेख है कि आगामी अंक में एक मुख्य क्षेत्रीय दैनिक समाचार पत्र और पचास हजार या इससे अधिक प्रतियों के परिचालन वाला एक राज्य स्तरीय मुख्य दैनिक समाचार पत्र में प्रकाशित कर बिल भुगतान हेतु प्रस्तुत करे।
2. बिल लिपिक, नगर निगम, जोधपुर (दक्षिण)।
3. ओसवाल डाटा जोधपुर। इस निविदा [www.sppp.raj.nic.in](http://www.sppp.raj.nic.in) को निगम वेब साईट पर अपलोड करावे।
4. मैसर्स इलीट मंत्रा, MCJS वेब साईट पर अपलोड करावें।
5. नोटिस बोर्ड नगर निगम जोधपुर।

आयुक्त

नगर निगम जोधपुर (दक्षिण)

Signature valid

RajKaj Ref  
5492436



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Shubhamangala  
Designation : Commissioner  
Date: 2024.02.02 15:25:45 IST  
Reason: Approved



# जोधपुर नगर निगम, (दक्षिण)



फोलोटैबिक कॉलेज परिसर, रेजीडेन्सी रोड, जोधपुर

E-Mail-nnjelectrical@gmail.com

क्रमांक:-सं./एफ 14.15/कार्य/2024/ RL13600

दिनांक:- 02.02.2024

ई- निविदा सूचना

UBN No DLB2324WSOB30055

जोधपुर नगर निगम दक्षिण द्वारा इच्छुक समान्तर कार्यो के अनुभवी/योग्यताधारी, विद्युत लाईसेन्सधारी संवेदको, नगर निगम में पंजीकृत नियमानुसार श्रेणी संवेदको, अन्य विभाग में पंजीकृत संवेदको (E-EWSD-I)से ऑन-लाईन "ई" टेण्डर प्रक्रिया से निगम शर्तों के अधीन निविदाये आमंत्रित की जाती है। निविदा की शर्त लेखा नियमानुसार रहेगी।

क्र. सं.	कार्य का नाम	अनुमानित लागत (लाख)	अमानत राशि	ई-टेण्डर प्रोसेसिंग शुल्क (MD RSL)	निविदा प्रपत्र शुल्क	कार्य करने की अवधि
1	Regularly Operation and maintenance of Existing Street Light luminaries (LED, SV, TL, High mass and etc), overhead/under ground street light system in JMC South (Ward 1 to 10)	32.65	65300.00	500.00	500.00	12 Month
2	Regularly Operation and maintenance of Existing Street Light luminaries (LED, SV, TL, High mass and etc), overhead/under ground street light system in JMC South (Ward 11 to 15)	28.86	57720.00	500.00	500.00	12 Month
3	Regularly Operation and maintenance of Existing Street Light luminaries (LED, SV, TL, High mass and etc), overhead/under ground street light system in JMC South (Ward 16 to 25)	27.00	54000.00	500.00	500.00	12 Month
4	Regularly Operation and maintenance of Existing Street Light luminaries (LED, SV, TL, High mass and etc), overhead/under ground street light system in JMC South (Ward 26 to 37)	43.00	86000.00	500.00	500.00	12 Month
5	Regularly Operation and maintenance of Existing Street Light luminaries (LED, SV, TL, High mass and etc), overhead/under ground street light system in JMC South (Ward 48 to 57, 66 )	32.20	64400.00	500.00	500.00	12 Month
6	Regularly Operation and maintenance of Existing Street Light luminaries (LED, SV, TL, High mass and etc), overhead/under ground street light system in JMC South (Ward 38 to 47, 59 to 60 )	32.07	64140.00	500.00	500.00	12 Month
7	Regularly Operation and maintenance of Existing Street Light luminaries (LED, SV, TL, High mass and etc), overhead/under ground street light system in JMC South (Ward 58, 61 to 65, 67 to 73 )	37.01	74020.00	500.00	500.00	12 Month
8	Regularly Operation and maintenance of Existing Street Light luminaries (LED, SV, TL, High mass and etc), overhead/under ground street light system in JMC South (Ward 74 to 80 )	33.74	67480.00	500.00	500.00	12 Month
9	Operation and Maintenance of Street Light Centralized Control & Monitoring System (CCMS), Timer and Switching System JMC South (Ward I to 37)	27.00	54000.00	500.00	500.00	12 Month
10	Operation and Maintenance of Street Light Centralized Control & Monitoring System (CCMS), Timer and Switching System JMC South (Ward 38 to 80)	35.22	70440.00	500.00	500.00	12 Month
11	Comprehensive Operation & Maintenance of existing fountain in Nagar Nigam Jodhpur Area ( Yearly Contract)	24.00	48000.00	500.00	500.00	12 Month

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12	AMC For Existing CCTV Camera and Biometric Machine at JMC Jodhpur.	7.80	15600.00	500.00	500.00	12 Month
13	Regular Operation and Maintenance of complete electric work at JMC Main Building (South)	25.00	50000.00	500.00	500.00	12 Month
14	Regular Operation and Maintenance 80KW Solar System at JMC Building	4.98	9960.0	500.00	500.00	12 Month
15	Hire for Temporary Lighting in JMC South Area ( Yearly Contact )	35.00	70000.00	500.00	500.00	12 Month
16	Regular Operation and Maintenance of complete electric work at JMC Other Building (South)	19.5	39000.00	500.00	500.00	12 Month

ऑन लाईन निविदा फार्म मिलने व जमा कराने की दिनांक	दिनांक 03-02-2024 से 13-02-2024 तक
निविदा अपलोड करने की अन्तिम तिथि	दिनांक 13-02-2024 सांय 6.00 बजे तक
निविदा के दस्तावेज कार्यालय में जमा कराने की दिनांक	दिनांक 14-02-2024 अपराह्न 12.00 बजे तक
ऑन लाईन तकनीकी निविदा खोलने की दिनांक	दिनांक 14-02-2024 अपराह्न 1.00 बजे तक

विस्तृत विवरण एवं शर्तों के लिए नगर निगम दक्षिण कार्यालय के विद्युत अनुभाग से जानकारी प्राप्त की जा सकती है।

**ई निविदा की महत्वपूर्ण शर्तें निम्नानुसार है:-**

ई- निविदा प्रपत्रों को वेब साईट <http://eproc.rajasthan.gov.in> से अपलोड डाउनलोड किया जा सकता है। इन निविदाओं में भाग लेने वाले संवेदक निविदा को इलेक्ट्रॉनिक फारमेट में वेबसाईट <http://eproc.rajasthan.gov.in> पर जमा कराए।

- अमानत राशि/धरोहर राशि निविदा प्रपत्र में दर्शाई गई कुल अनुमानित लागत की दो प्रतिशत होगी एवं जोधपुर नगर निगम में पंजीकृत संवेदको से 1/2% धरोहर राशि पी डब्ल्यू एफ एण्ड एआर के नियमानुसार देय होगी। इसके अतिरिक्त सभी संवेदकों से 2% अमानत राशि देय होगी। नगर निगम एवं अन्य विभाग में विद्युत पंजीकृत संवेदक को आदेशानुसार पंजीयन रिव्यू कराया जाना आवश्यक होगा, अन्यथा निविदा स्वीकार नहीं की जाएगी।
- संवेदक नगर निगम जोधपुर एवं अन्य राजकीय विभाग में जहाँ पर पंजीकृत हो उसका प्रमाण-पत्र संलग्न करना होगा, अन्यथा निविदा पर विचार नहीं किया जाएगा।
- तकनीकी निविदाये इलेक्ट्रॉनिक फारमेट में वेब साईट <http://eproc.rajasthan.gov.in> पर सम्बन्धित कार्यालयमें निर्धारित दिनांक 14-02-24 को अपराह्न 01.00 बजे तकनीकी बिड खोली जायेगी। तत्पश्चात् सफल संवेदको की वित्तीय बिड खोली जाएगी।
- यदि किसी कारणवश उस दिन अवकाश रहता है,तो अगले दिन उसी समय व उसी स्थान पर निविदाये खोली जायेंगी।
- निविदा खोलने की तिथि को किसी कारणवश यदि सारी निविदाएँ नहीं खोली जा सकती है,तो उसके अगले कार्य दिवस पर शेष निविदाएँ खोलने का कार्य जारी रखा जायेगा।
- संवेदक द्वारा विगत तीन वर्षों में अनुमानित लागत राशि का 50% समान्तर कार्य न्यूनतम एक कार्य पूर्ण करने का अनुभव प्रमाण पत्र राजकीय विभाग अधिशाषी अभियन्ता या इनके समान्तर स्तर के अधिकारी का संलग्न करना होगा, अन्यथा निविदा मान्य नहीं होगी।
- कार्यों के सम्मुख उपरोक्तानुसार वर्णित कार्यालय में संवेदक द्वारा दिनांक 02-02-24 से दिनांक 13-02-24 को किसी भी कार्य दिवस में 11.00 बजे पूर्वान्ह से 4.00 बजे अपराह्न निविदा प्रपत्र को देखा जा सकता है अथवा वेबसाईट <http://eproc.rajasthan.gov.in> भी देखा जा सकता है, निविदा प्रपत्रों में निविदाकर्ता के लिए योग्यता सूचना तथा निविदाकर्ता की पात्रता, प्लान, स्पेशिफिकेशन, उपलब्ध है।
- सभी दस्तावेजों को निविदा में अपलोड करना होगा।
- निविदाकर्ता द्वारा निविदा शुल्क/धरोहर राशि डिमाण्ड ड्राफ्ट द्वारा अथवा निविदा प्रपत्र में सम्बन्धित कार्यालय में जमा कराना आवश्यक है।

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Date: 2024.02.02 15:25:45 IST  
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10. निविदा खोलने की दिनांक से 60 दिवस तक निविदा स्वीकृति हेतु मान्य रहेगी। यदि निविदाकर्ता उस अवधि में अपनी निविदा अथवा शर्तों में किसी प्रकार का संशोधन करता है अथवा अपनी निविदा वापस ले लेता है तो उसकी धरोहर राशि जब्त कर ली जायेगी।
11. यदि संवेदक का नजदीकी रिश्तेदार (प्रथम रक्त सम्बन्धी व उनके पति/पत्नी) इस कार्य से सम्बन्धित जोधपुर नगर निगम कार्यालय में कार्यरत लेखाकार अथवा तकनीकी स्तर का किसी पद पर पदस्थापित हो तो इस कार्य पर नियुक्त करने पर प्रतिबन्ध रहेगा।
12. राज्य सरकार में किसी भी अभियांत्रिकी विभाग में किसी भी इंजीनियर अथवा इंजीनियरिंग या प्रशासनिक कार्य पर नियुक्त राजपत्रित अधिकारी, राज्य सरकार की अनुमति के बिना सेवा निवृत्ति के 2 वर्ष तक संवेदक अथवा उसके कर्मचारी के रूप में कार्य नहीं कर सकेगा।
13. किसी निविदा को स्वीकार करने एवं बिना कारण बताये निरस्त करने के समस्त अधिकार सक्षम अधिकारी के पास सुरक्षित है। आर.पी.डब्ल्यू.ए-100 की समस्त शर्तें मान्य होगी।
14. निविदा प्रपत्र शुल्क व धरोहर राशि का डिमाण्ड ड्राफ्ट आयुक्त नगर निगम जोधपुर दक्षिण Payable जोधपुर होना चाहिए।
15. वित्त विभाग के आदेश अनुसार ई-टेंडर प्रोसेसिंग शुल्क 50.00 लाख रुपये तक की राशि के कार्य के लिए 500/- व 50.00 लाख रुपये से अधिक एवं 100 लाख रु. तक की राशि के कार्य के लिए 1500/- व 100.00 लाख रुपये से अधिक एवं 500 लाख रु. तक की राशि के कार्य के लिए 2000/- व 500.00 लाख रुपये से अधिक की राशि के कार्य के लिए 2500/- रु की राशि निविदा शुल्क के अतिरिक्त देनी होगी जो डिमाण्ड या बैंकर चैक के रूप में देय होगी। यह डिमाण्ड ड्राफ्ट या बैंकर चैक MD,RISL, Jaipur payable at Jaipur होना चाहिए।
16. निविदा शुल्क निम्नानुसार निर्धारित है :-
 

50 लाख से कम अनुमानित लागत	- रुपये 500/-
50 लाख से 150 लाख तक अनुमानित लागत	- रुपये 1000/-
150 लाख से 400 लाख तक अनुमानित लागत	- रुपये 2000/-
400 लाख से अधिक अनुमानित लागत	- रुपये 5000/-
17. कार्य पूर्ण करने की अवधि में मानसून अवधि सम्मिलित है।
18. संवेदक को ऑनलाईन निविदा के साथ जीएसटी रजिस्ट्रेशन की प्रति लगाना आवश्यक होगा, अन्यथा निविदा पर विचार नहीं किया जाएगा।
19. यदि संवेदक के द्वारा कार्य पर लगाये जाने वाले श्रमिकों के मध्य कोई विवाद उत्पन्न होता है तो उसकी प्रबंधकीय जिम्मेदारी संवेदक की होगी उसके लिए उपापन संस्था का सक्षम प्राधिकारी न्यूनतम मजदूरी अधिनियम 1948 एवं राजस्थान अनुबंधित श्रमिका (नियमन एवं उन्मुलन) अधिनियम 1970 का पालन कराने का उत्तर दायित्व होगा एवं साथ ही संवेदक का पी.एफ. में पंजीकरण अनिवार्य होगा अन्यथा निविदा निरस्त कर दी जायेगी।
20. संवेदक को विगत 03 वर्ष का सी.ए. से प्रमाणित फर्म का Turnover प्रमाण पत्र देना अनिवार्य है, अन्यथा निविदा निरस्त कर दी जाएगी एवं विगत माह का जी.एस.टी. 3बी फार्म जमा करवाना होगा।
21. निविदा (क.सं. 01 से 08) में भाग लेने वाले संवेदक स्वयं की स्काई लिफ्ट होना आवश्यक है जिसकी आर.सी. की कॉपी साथ में लगानी होगी या स्काई लिफ्ट लीज (किराया) पर लेने की स्थिति में 12 माह का किराया नामा आर.सी. के साथ संलग्न करना होगा। अन्यथा निविदा निरस्त कर दी जाएगी। स्काई लिफ्ट का उपयोग एक संवेदक द्वारा ही किया जाएगा। अन्यथा निविदा निरस्त कर दी जाएगी।
22. कार्य की समापनवधि 12 माह की है। विशेष परिस्थितियों में समय आगामी निविदा के निष्पादन व कार्यादेश जारी होने तक मान्य रहेगी जिसके लिए संवेदक कार्य करने के लिए बाध्य रहेगा। राज्य सरकार द्वारा संचालन व रखरखाव के संबंधित निर्देश प्राप्त होने पर कार्यादेश निविदा निरस्त कर दिया जाएगा।
23. निविदा (क.सं. 01 से 08) में संवेदक को दो से ज्यादा

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24. संवेदक द्वारा किए गए कार्य का बिल बनाकर प्रस्तुत करना होगा उसके पश्चात् ही भुगतान की कार्यवाही की जाएगी।
25. संवेदक को RUIDP -2023 के नियमानुसार Annexure A के अनुसार कार्य करवाना होगा, जिस पर होने वाला व्यय संवेदक द्वारा वहन किया जाएगा, निगम द्वारा इस संबंध में कोई भी राशि देय नहीं होगी।
26. ई-टेन्डरिंग के लिए निविदादाता हेतु निर्देश:-
- (अ) इन निविदाओं में दिलचस्पी लेने वाले निविदादाता निविदा प्रपत्रों का इन्टरनेटसाईट <http://eproc.rajasthan.gov.in> से डाउनलोड कर सकते हैं।
- (ब) निविदाओं में भाग लेने वाले निविदादाताओं का इन्टरनेट साईट <http://eproc.rajasthan.gov.in> पर रजिस्टर करवाना होगा। ऑन लाईन निविदा में भाग लेने के लिए डिजिटल सर्टिफिकेट इनफोनेरमेशन टेक्नोलोजी एक्ट 2000 के तहत प्राप्त करना होगा जो इलेक्ट्रॉनिक निविदा में साइन करने हेतु काम आयेगा। निविदा दाता उपरोक्त डिजिटल सर्टिफिकेट सी.सी.ए द्वारा स्वीकृति एजेन्सी से प्राप्त कर सकते हैं। जिन निविदा दाताओं के पास पूर्व में वैद्य डिजिटल सर्टिफिकेट है, नया डिजिटल सर्टिफिकेट लेने की आवश्यकता नहीं है।
- (स) निविदा दाताओं को निविदा प्रपत्र इलेक्ट्रॉनिक फॉर्मेट में उपरोक्त वेबसाईट पर डिजिटल सर्टिफिकेट साईन के साथ प्रस्तुत करना होगा, जिसके प्रस्ताव डिजिटल साईन के साथ नहीं होंगे, उनके प्रस्ताव स्वीकार नहीं किये जायेंगे। कोई भी प्रस्ताव अकेले भौतिक फॉर्म में स्वीकार्य नहीं होगा।
- (द) ऑन लाईन निविदाएं निर्धारण दिनांक एवं समय के अनुसार खोली जायेगी।
- (य) इलेक्ट्रॉनिक निविदा प्रपत्रों को जमा कराने से पूर्व निविदादाताओं यह सुनिश्चित कर लेवे की प्रपत्रों से सम्बन्धित सभी आवश्यक दस्तावेज की स्कैन कॉपी निविदा प्रपत्रों के साथ संलग्न कर दी गयी है।
- (र) कोई भी टेन्डर ऑनलाईन जमा कराने में किसी कारण से लेट हो जाता है तो उसका जिम्मेवार विभाग नहीं होगा।
- (ल) टेन्डर के प्रपत्रों में आवश्यक सभी सूचियों को सम्पूर्ण रूप से भरकर ऑन लाईन दर्ज करे।
- (व) ई-निविदा में सभी मांगे गये दस्तावेज को ई-निविदा पोर्टल पर अपलोड करना होगा।

(डॉ. टी शुभमंगला)

I.A.S

आयुक्त

नगर निगम, (दक्षिण) जोधपुर।

दिनांक :- 02.02.2024

क्रमांक:-सं./एफ 1.16/कार्य/2024/13600-05

प्रतिलिपि:-

- निर्देशक स्थानिय निकाय जयपुर।
- उप- निर्देशक स्थानिय निकाय जोधपुर।
- लेखाधिकारी, नगर निगम दक्षिण जोधपुर।
- नोटिस बोर्ड नगर निगम दक्षिण जोधपुर।
- ओसवाल डाटा प्रोसेस नगर निगम जोधपुर, इस निविदा को निगम वेब साईट पर अपलोड करावे।

आयुक्त

नगर निगम, (दक्षिण) जोधपुर।

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# जोधपुर नगर निगम (दक्षिण), जोधपुर

## TERMS & CONDITION

जोधपुर नगर निगम दक्षिण के सार्वजनिक रोशनी व्यवस्था का संचालन एवं रखरखाव कार्य।

1. निगम के अधीन लगी सोडियम, ट्यूब लाईट, एलईडी, टाईमर, आईसीटीपी स्वीच आदि के संचालन एवं रखरखाव (लाईन फॉल्ट, लाईन/ब्रांच जम्पर, इनपुट सप्लाय, लीकेज करंट आदि) का कार्य। संवेदक द्वारा लगी हुई एलईडी लाईटों के लिए L 70 मानक के अनुरूप पर्याप्त रोशनी बनाए रखनी होगी जिसके लिए संवेदक बाध्य होगा एवं निगम द्वारा इस हेतु अलग से किसी प्रकार का भुगतान देय नहीं होगा।
2. कार्य की समय अवधि 12 माह की है। विशेष परिस्थितियों में समय अवधि आगामी निविदा निष्पादन या कार्यादेश जारी होने तक मान्य रहेगी जिसके लिए संवेदक कार्य करने के लिए बाध्य होगा। राज्य सरकार द्वारा संचालन एवं रखरखाव के संबंधित निर्देश प्राप्त होने पर कार्यादेश बिना किसी प्राथमिक सूचना के निरस्त कर दिया जाएगा।
3. संवेदक डिजिटल विद्युत लाईसेंस धारी, विद्युत कार्य अनुभवी होना चाहिए।
4. सार्वजनिक रोशनी व्यवस्था के संचालन एवं रखरखाव के लिए अनुभवी विद्युत कार्य किए गए संवेदक को प्राथमिकता दी जाएगी, जिसका संबंधित विभाग द्वारा जारी किया गया अनुभव प्रमाण पत्र संलग्न करना होगा।
5. संवेदक को योग्यताधारी, अनुभवी, स्कील, बीभीत स्टाफ लगाना होगा।
6. संवेदक द्वारा कार्य निष्पादन के उपयोग में आने वाले सुरक्षा संबंधित विद्युत टूल्स व औजार वर्किंग स्टाफ को उपलब्ध कराने होंगे और सुरक्षा का सम्पूर्ण दायित्व संवेदक स्वयं का रहेगा। कार्य के दौरान स्टाफ सुरक्षा संबंधित टूल्स के बिना कार्य करते हुए पाये जाने पर प्रति टीम 1000/- पेनल्टी लगाई जाएगी और बिना सुरक्षा के कार्य करने नहीं दिया जाएगा।
7. संवेदक द्वारा विद्युत कार्य के निष्पादन में उपयोग लिए जाने वाले वाहन हाईड्रोलिक स्काई लिफ्ट, लेंडर, मोबाईल लेडर, टेक्सी छोटे वाहन, मोटर साईकल आदि की अपने स्तर पर समय-समय/आवश्यकतानुसार उपयोग में लेनी होगी। अन्यथा 500/- रुपये प्रतिदिन शास्ति लगाई जाएगी।
8. संवेदक या वर्किंग स्टाफ को प्रतिदिन निर्धारित समय पर कनिष्ठ अभियंता (वि.) जोन कार्यालय में सुबह 9.30 बजे व्यक्तिगत रूप से उपस्थित हो कर कार्यालय से शिकायतें प्राप्त कर नियमित रूप से निवारण करेंगे एवं पूर्व में निवारण की गई शिकायतों की पालना रिपोर्ट प्रस्तुत करेंगे। संवेदक को प्रतिदिन रात्रि में निरीक्षण कर बन्द लाईटों को चिन्हित कर शिकायतों का इन्द्राज कनिष्ठ अभियंता (वि.) कार्यालय की शिकायत पुस्तिका में दर्ज कर उनका निवारण 48 घण्टों में करना होगा एवं किये गए कार्य की दैनिक प्रगति रिपोर्ट हस्ताक्षर युक्त जोन कर्मचारी कनिष्ठ अभियंता (वि.) से कार्य का प्रमाणिकरण कराकर प्रस्तुत करना होगा। दर्ज शिकायत का निवारण संवेदक द्वारा निर्धारित समय सीमा में नहीं करने पर ट्यूबलाईट/सोडियम/एलईडी आदि लाईटों का प्रतिदिन 25/- प्रति पाइंट शास्ति की जाएगी एवं लाईन फॉल्ट की शिकायतों को 24 घण्टे में करना होगा अन्यथा प्रतिदिन 1000/- रुपये प्रति फाल्ट शास्ति की जाएगी।
9. संवेदक को सम्पूर्ण सीसीएमएस/टाईमर रखरखाव कार्य हेतु एक सुपरवाइजर नियुक्त करना। साथ ही कार्यादेश प्राप्त होने के उपरान्त क्षेत्र में लगे हुए सभी सीसीएमएस का एक जथा रिजिसमें सीसीएमएस में उपयोग आने वाले फेज मय लोड अंकित करना होगा। डिजाइनर/कमिश्नर के साथ संबंधित अभियंता को प्रस्तुत करना उसमें होने वाले बदलाव को सम्पूर्ण कम्प्यूटराईज्ड चार्ट के साथ सम्बंधित अभियंता को प्रस्तुत करना

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- होगा। उक्त कार्य न करने की स्थिति में 1000/- रुपये प्रतिदिन शास्ति लगाई जाएगी जिसकी समस्त जिम्मेदारी संवेदक स्वयं की रहेगी।
10. सीसीएमएस/टाईमर कार्य के तहत संवेदक द्वारा यह सुनिश्चित किया जाना होगा की लगे हुए सभी सीसीएमएस ऑनलाईन कम्प्यूनीकेशन एक्टिव मोड पर रहे एवं सही कार्य करे। उक्त कार्य में संवेदक स्तर पर यदि कोई कमी पाई जाती है तो 500/- रुपये प्रति सीसीएमएस प्रतिदिन शास्ति लगाई जाएगी। जिसकी समस्त जिम्मेदारी संवेदक स्वयं की रहेगी।
  11. सीसीएमएस/टाईमर की शिकायत के निवारण के लिए एफआरटी टीम के साथ समन्वय रखते हुए उसी दिन शिकायत का निवारण करेंगे। दर्ज शिकायत का निवारण संवेदक द्वारा निर्धारित समय सीमा में नही करने पर प्रतिदिन 500/- रुपये प्रति सीसीएमएस/टाईमर शास्ति काटी जाएगी। साथ ही यदि कोई सीसीएमएस/टाईमर निर्धारित समय से पूर्व/पश्चात् चालू पाया जाता है तो वास्तविक व्यय की दुगुनी राशि की शास्ति काटी जाएगी।
  12. सीसीएमएस/टाईमर कार्य के तहत संवेदक द्वारा प्रतिदिन सभी सीसीएमएस का सम्पूर्ण डाटा तैयार कर अगले दिवस कार्यालय में प्रस्तुत करना होगा। संवेदक को यह सुनिश्चित करना होगा की सीसीएमएस कम्प्यूनीकेशन मोड में रहे जिसमें संवेदक के स्तर पर कमी पाई जाने पर प्रति सीसीएमएस प्रतिदिन 50/-रुपये शास्ति लगाई जाएगी।
  13. कार्य निरीक्षण व निस्तारण के लिए इंजीनिरिंग इंचार्ज द्वारा मौके पर पहुंचने के लिए निर्देश दिए जाने पर समय सीमा में निर्देशित स्थल पर आवश्यक सामग्री व वर्किंग स्टाफ सहित पहुंचाना होगा। ऐसा न करने पर 500 प्रति दिन शास्ति के रूपये में बिल में ये कटौती की जाएगी। बार-बार पुनरावृत्ति करने पर शास्ति सहित उस दिन का देय भुगतान की कटौती की जाएगी।
  14. संवेदक द्वारा कार्य निष्पादन के लिए आवश्यक विद्युत संबंधित इक्यूपमेंट, मेगर, केबल फॉल्टट्रेसर, लग्स मीटर, टॉग टेस्टर आदि उपकरण उपलब्ध होने चाहिए।
  15. कार्य की आवश्यकता को देखते हुए संवेदक स्वयं की स्काई लिफ्ट होना आवश्यक है जिसकी आर.सी. रजिस्ट्रेशन की कॉपी साथ में संलग्न करें या स्काई लिफ्ट लीज (किराया) पर लेने की स्थिति में न्यूनतम 12 माह का किरायानामा आर.सी. के साथ संलग्न करना होगा।
  16. संवेदक द्वारा एलईडी लाईटों के रखरखाव में उपयोग लिये जाने वाले ड्राईवर उच्च गुणवत्ता ISI Mark जिसमें Ftlesa Surge Protection 10Kv) PF करीबन 0.90, एलईडी ड्राईवर की लाईफ टाईम 50000/- घण्टे होने चाहिए। सभी वॉट के 10 नग ड्राईवर उक्त कार्यालय में जमा करावें। (Make Surya, Bajaj Havells HPL, Philips and Equivalent group 1st make)
  17. एलईडी लाईटों के रखरखाव में प्लेट खराब होने के पश्चात् ISI Mark अप्रूवड मैक की प्लेट का ही उपयोग करना होगा। बिना अप्रूवड मैक, ISI के सामान उपयोग में लेने पर अभियंता द्वारा पेनल्टी प्रस्तावित की जाएगी जिसके पश्चात् आपको बिना अप्रूवड मैक के सामान को हटाना होगा। (Make Surya, Bajaj Havells HPL, Philips and Equivalent group 1st make)
  18. संवेदक द्वारा रखरखाव के उपयोग में लिये जाने वाली विद्युत सामग्री ISI एव बी.एस.आर. (विद्युत) की स्वीकृति कटेगरी 1<sup>st</sup> रैंक का उपयोग करना होगा। जिसकी संबंधित अभियंता द्वारा जॉच की जाएगी और आवश्यकता पडने पर सामग्री को Testing Lab के लिए अन्य कम्पनी की Testing रिपोर्ट उपलब्ध करानी होगी। जिसका कोई अतिरिक्त देय नही होगा।
  19. कार्य स्थल पर कार्य करते समय किसी भी वर्किंग स्टाफ (लाईनमैन/हैल्पर) के साथ दुर्घटना/अप्रिय घटना घटित होती है तो समस्त जिम्मेदारी संवेदक की ही होगी। सभी प्रकार के सुरक्षात्मक सामग्री व साधन का उपयोग आवश्यक रूप से करना होगा। इनके अभाव से होने वाली घटना व दुर्घटना, आपदा की भी जिम्मेदारी संवेदक की होगी। इससे संबंधित किसी प्रकार का वाद नगर निगम (दक्षिण) द्वारा सुपुर्वाइजर के विरुद्ध दर्ज नही करा सकेगा।
  20. सम्बंधित संवेदक को 3200-3500 लाईट पाइंट पर एक टीम (वायर मैन) द्वारा चेक किया जाएगा। अन्यथा कार्यदेश को निरस्त कर दिया जाएगा। साथ ही इसके अतिरिक्त सुपुर्वाइजर लगाना होगा। जिसका अलग से कोई भुगतान देय नही होगा।

Signature valid

RajKaj Ref  
5492436

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Shubhamangala  
Designation: Commissioner  
Date: 2024.02.02 15:25:45 IST  
Reason: Approved

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35. संवेदक/प्रतिनिधी को प्रत्येक वार्ड पार्षद से नियमित रूप से सम्पर्क करना होगा एवं उनके द्वारा दिये गये स्थानों पर निर्देशानुसार रोशनी सम्बंधित शिकायतों का निस्तारण कर कनिष्ठ अभियंता (वि.) को रिपोर्ट करनी होगी।
36. सडक के मध्य/साईड में लगे ट्यूबर पोल किसी कारणवश वाहन से टक्कर लगने व अन्य कारण से दुर्घटनाग्रस्त होता है; तो संवेदक तुरंत दुर्घटनाग्रस्त स्थल पर पहुंच कर क्षतिग्रस्त पोल व लाईन में सुधार करेगा। आवश्यकता पडने पर सप्लाई भी विच्छेद करेगा एवं उस स्थल पर पुनः पोल रिपेयर कर स्थापित करेगा एवं इंजीनियरिंग इंचार्ज के निर्देशानुसार कार्य करेगा जिसका भुगतान स्वीकृत दर पर किया जाएगा।
37. कभी भी किसी स्थल पर मौसम व अन्य परिस्थिति के कारण पोल का गिरना, लीकेज करंट, खुले वायर, वायरिंग व चौक आदि जलने के कारण किसी भी प्रकार की दुर्घटना ना हो उसके लिए संवेदक सतर्क रहेगा एवं दुर्घटना होने पर समस्त प्रकार की जिम्मेदारी संवेदक की रहेगी।
38. स्वीचिंग पाइंट, ट्यूबलर पोल एवं बक्शों की वायरिंग, केबलिंग कार्य आदि को सुव्यवस्थित इन्सुलेशन/टेपिंग संवेदक द्वारा किया जाएगा ताकि किसी प्रकार की दुर्घटना की सम्भावना ना हो। खुले वायर व केबलिंग जाइन्ट के कारण यदि कोई दुर्घटना होती है तो संवेदक की जिम्मेदारी रहेगी।
39. विशेष परिस्थितियों में (वी.आई.पी आगमन, पर्व आदि) संवेदक द्वारा अपने स्तर पर आवश्यकता अनुसार अतिरिक्त स्टॉफ लगाना होगा। इस हेतु अलग से किसी प्रकार का भुगतान देय नहीं होगा।
40. संवेदक को अपने अधीनस्त स्टाफ, वायरमैन, हेल्पर, सुपरवाइजर आदि का बीमा, पी.एफ., ई.एस.आई. करवाना होगा।
41. नगर निगम दक्षिण में मोबाईल Aap City-311 अन्य माध्यम से प्राप्त शिकायतों का निवारण 48 घण्टे में कर सम्बंधित अभियंता को रिपोर्ट प्रस्तुत करे अन्यथा नियमानुसार पेनेल्टी प्रस्तावित की जायेगी।
42. न्यायिक विवाद की स्थिति में न्यायालय क्षेत्र जोधपुर होगा।

*Ex-En*

संवेदक हस्ताक्षर

Signature valid

RajKaj Ref  
5492436

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Shubhamangala  
Designation : Commissioner  
Date: 2024.02.02 15:25:45 IST  
Reason: Approved

*MinL*

# JODHPUR MUNICIPAL CORPORATION (SOUTH)



**Work name:-** Regularly Operation and maintenance of Existing Street Light luminaries (LED, SV, TL, Highmass and etc), overhead/under ground street light system in JMC South (Ward 1 to 10)

## Schedule

**A. Regularly operation and maintenance of existing street lighting system (all type of luminaires)**

### PART-A ("H" Schedule)

Sn.	Code	PARTICULARS	Qty		Rate		Amount
1		Regularly Operation & maintenance of existing fluorescent tube fixture(36/40watt) by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	10	Nos		E/PM	
2		Regularly Operation & maintenance of existing sodium & MH fitting (70/150/250watt) including pole/wall/TP pole/oct pole//ZB pole/etc by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	90	Nos		E/PM	
3		Regularly Operatin & Maintanance of existing LEDs lights w including pole/wall/TP pole/oct pole//ZB pole/etc by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	6336	Nos		E/PM	
4		Regularly Operation & maintenance of existing decorative light by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	53	Nos		E/PM	
5		Regularly Operation maintenance of existing High-mast lights(SV/MH/LED) in all respect & all accessories with timer switch & panel with replacment of defective accessories as required as per direction of engineering incharge.	8	Nos		E/PM	
<b>Total (Part A)</b>							
<b>Total (Part A) for 12 Months</b>							

**Note:-** Mention qty are tentative qty its used for only estimate purpose, actual qty may be consider after survey

### PART-B ("H" Schedule)

Sn.	Code	PARTICULARS	Qty		Rate		Amount
1		Repair and refixing of tubular pole/octonogal pole in all respect including required site pandestal, iron support etc without lights as per direction of engineering incharge	8	Job		EJob	
2		Numbering of Street Light Pole of Existing Cement/ PCC Pole/ Tublar/ Octonogal Pole/ Wall/ Switching Point and etc where light and Timer are already install by NNJ South also remove old number on Existing Pole/TP/Wall. Numbering on pole should be done by synthetic enamel paint of approved brand and manufacture in approved size and and Design (Size 10*12 inch) as per direction of Engineering Incharge.	200	Job		EJob	
<b>TOTAL PART-B ("H" Sch)</b>							


### PART-C ("G" Schedule)

Sn.	Code	PARTICULARS	Qty		Rate		Amount
1	60.2	Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Armoured Aluminium cable confirming to IS:1554 P-1 / IS :7098 P - 1 of 1.1 KV with H4- Grade electrolytic aluminium conductor confirming to IS 8130 of purity >99.6 %, round / flat strip armouring of cables, Inner / outer sheath confirming to IS:5831 in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench / Cable tray(with cable tie) including testing etc. as required of following size. OEM must have it's own in house NABL accredited Laboratory for testing procedure as per IS:10810.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	60.2.2	6.0 Sq. mm					
	60.2.2.1	2 core	250	Mtr	131.00	RM	32750.00
	60.2.3	10.0 Sq. mm					
	60.2.3.3	4 core	300	Mtr	197.00	RM	59100.00
3	68.24	Supplying and drawing of XLPE insulated LT Aerial bunched Aluminium conductor cable confirming to IS 14255/1995 and IS 398 (Pt-4)/ 1994 and as per Discom Specs. on existing cross arms through I hook with all necessary T&P required including binding and twisting etc. complete in all respect as required. All as per pre approved by Engineer in-charge. For additional technical parameters					
	68.24.2	1 X 25 sq. mm. + 1X25 sq. mm. (insulated)	500	Mtr	65.00	RM	32500.00

*(Handwritten signature)*



4	68.3	Supply and fixing of following LT Supporting accessories with nut bolt & Clamps made out as per standard Discom's specifications with two coats of Red oxide and two coats of Aluminium paint etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR						
	68.3.1	LT cross arm 600 mm long with clamp	25	Nos	472.0	Each	11800.00	
5	68.4	Supply and fixing of LT porcelain pin insulator as per IS 1445-1997 and as per Discom's standard specifications, suitable for working voltage 1100 volts including all accessories like MS Forged GI LT Pin conforming to IS:7935/1975 (latest amended) Nut, Bolt etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR						
	68.4.1	100 mm x 70 mm	30	Nos	110.00	Each	3300.00	
6	68.5	Supply and fixing of LT porcelain shackle insulator as per IS:1443 1979 and as per Discom's standard specifications, suitable for working voltage 1100 volts including all accessories like GI Hardware fittings conforming to IS:7935/1975 (latest amended) Nut, Bolt etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR						
	68.5.1	75mm x 90mm	30	Nos	112.00	Each	3360.00	
7	59.1	Providing & Fixing of ISO certified company made TP&N 415 V side handle operated double break fuse switch unit in sheet steel enclosure as per PWD specification for electrical Works conforming to IS/IEC 60947-3 : 1999 (W/O HBC fuses) including making connections with suitable lugs, testing etc. as required. Appropriate type test certificate / OEM test report shall be submitted . All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .						
	59.1.1	63 A rating	3	Nos	6775.00	Each	20325.00	
8	53.6	Supply & drawing Wiring for sub mains ISI marked (IS:694) 1100 Volts grade PVC insulated flat twin core sheathed solid aluminium conductor with 10 SWG G.I. Support wire duly clipped etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR						
	53.6.2	6.0 sq.mm	1000	Mtr	56.0	RM	56000.00	
	53.6.3	10.0 sq.mm	1500	mtr	81.0	RM	121500.00	
<b>TOTAL "G" Sch. (PART-C)</b>								<b>340635.00</b>

  
**XEN(Elect)**  
**JMC**

I agree to do above "G" Schedule work @ ..... above/below on RUIDP 2023 electric with JMC terms and conditions..

- H-Schedule Item -1.....Each
- H-Schedule Item -2.....Each
- H-Schedule Item -3.....Each
- H-Schedule Item -4.....Each
- H-Schedule Item -5.....Each
- H-Schedule Item -6.....Each
- H-Schedule Item -7.....Each

Signature of Contractor

# JODHPUR MUNICIPAL CORPORATION (SOUTH)

②

Work name:- Regularly Operation and maintenance of Existing Street Light luminaries (LED, SV, TL, Highmass and etc), overhead/under ground street light system in JMC South (Ward 11 to 15)

## Schedule

A. Regularly operation and maintenance of existing street lighting system (all type of luminaires)

### PART-A ("H" Schedule)

Sn.	Code	PARTICULARS	Qty		Rate		Amount
1		Regularly Operation & maintenance of existing fluorescent tube fixture(36/40watt) by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	25	Nos		E/PM	
2		Regularly Operation & maintenance of existing sodium & MH fitting (70/150/250watt) including pole/wall/TP pole/oct pole//ZB pole/etc by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	66	Nos		E/PM	
3		Regularly Operatin & Maintanance of existing LEDs lights w including pole/wall/TP pole/oct pole//ZB pole/etc by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	5507	Nos		E/PM	
4		Regularly Operation & maintenance of .existing decorative light by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	152	Nos		E/PM	
5		Regularly Operation maintenance of existing High-mast lights(SV/MH/LED) in all respect & all accessories with timer switch & panel with replacment of defective accessories as required as per direction of engineering incharge.	4	Nos		E/PM	
<b>Total (Part A)</b>							
<b>Total (Part A) for 12 Months</b>							

Note:- Mention qty are tentative qty its used for only estimate purpose, actual qty may be consider after survey

### PART-B ("H" Schedule)


Sn.	Code	PARTICULARS	Qty		Rate		Amount
1		Repair and refixing of tubular pole/octonogal pole in all respect including required site pandestal, iron support etc without lights as per direction of engineering incharge	3	Job		EJob	
2		Numbering of Street Light Pole of Existing Cement/ PCC Pole/ Tublar/ Octonogal Pole/ Wall/ Switcing Point and etc where light and Timer are already install by NNJ South also remove old number on Existing Pole/TP/Wall. Numbering on pole should be done by synthetic enamel paint of approved brand and manufacture in approved size and and Design (Size 10*12 inch) as per direction of Engineering Incharge.	200	Job		EJob	
<b>TOTAL PART-B ("H" Sch)</b>							

### PART-C ("G" Schedule)

Sn.	Code	PARTICULARS	Qty		Rate		Amount
1	60.2	Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Armoured Aluminium cable confirming to IS:1554 P-I / IS :7098 P - I of 1.1 KV with H4- Grade electrolytic aluminium conductor confirming to IS 8130 of purity >99.6 %, round / flat strip, armouring of cables, Inner / outer sheath confirming to IS:5831 in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench / Cable tray(with cable tie) including testing etc. as required of following size. OEM must have it's own in house NABL accredited Laboratory for testing procedure as per IS:10810.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	60.2.2	6.0 Sq. mm					
	60.2.2.1	2 core	200	Mtr	131.00	RM	26200.00
	60.2.3	10.0 Sq. mm					
	60.2.3.3	4 core	300	Mtr	197.00	RM	59100.00
3	68.24	Supplying and drawing of XLPE insulated LT Aerial bunched Aluminium conductor cable confirming to IS 14255/1995 and IS 398 (Pt-4)/ 1994 and as per Discom Specs. on existing cross arms through I hook with all necessary T&P required including binding and twisting etc. complete in all respect as required. All as per pre approved by Engineer in-charge. For additional technical parameters					
	68.24.2	1 X 25 sq. mm. + 1X25 sq. mm. (insulated)	500	Mtr	65.00	RM	32500.00



4	68.3	Supply and fixing of following LT Supporting accessories with nut bolt & Clamps made out as per standard Discom's specifications with two coats of Red oxide and two coats of Aluminium paint etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	68.3.1	LT cross arm 600 mm long with clamp	20	Nos	472.0	Each	9440.00
5	68.4	Supply and fixing of LT porcelain pin insulator as per IS 1445-1997 and as per Discom's standard specifications, suitable for working voltage 1100 volts including all accessories like MS Forged GI LT Pin conforming to IS:7935/1975 (latest amended) Nut, Bolt etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	68.4.1	100 mm x 70 mm	25	Nos	110.00	Each	2750.00
6	68.5	Supply and fixing of LT porcelain shackle insulator as per IS:1443 1979 and as per Discom's standard specifications, suitable for working voltage 1100 volts including all accessories like GI Hardware fittings conforming to IS:7935/1975 (latest amended) Nut, Bolt etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	68.5.1	75mm x 90mm	25	Nos	112.00	Each	2800.00
7	59.1	Providing & Fixing of ISO certified company made TP&N 415 V side handle operated double break fuse switch unit in sheet steel enclosure as per PWD specification for electrical Works conforming to IS/IEC 60947-3 : 1999 (W/O HBC fuses) including making connections with suitable lugs, testing etc. as required. Appropriate type test certificate / OEM test report shall be submitted. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.					
	59.1.1	63 A rating	2	Nos	6775.00	Each	13550.00
8	53.6	Supply & drawing Wiring for sub mains ISI marked (IS:694) 1100 Volts grade PVC insulated flat twin core sheathed solid aluminium conductor with 10 SWG G.I. Support wire duly clipped etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	53.6.2	6.0 sq.mm	1000	Mtr	56.0	RM	56000.00
	53.6.3	10.0 sq.mm	1500	mtr	81.0	RM	121500.00
<b>TOTAL "G" Sch. (PART-C)</b>							<b>323840.00</b>

  
XEN(Elect)  
JMC

I agree to do above "G" Schedule work @ ..... above/below on RUIDP 2023 electric with JMC terms and conditions..

- H-Schedule Item -1.....Each
- H-Schedule Item -2.....Each
- H-Schedule Item -3.....Each
- H-Schedule Item -4.....Each
- H-Schedule Item -5.....Each
- H-Schedule Item -6.....Each
- H-Schedule Item -7.....Each

Signature of Contractor

# JODHPUR MUNICIPAL CORPORATION (SOUTH)

(3)

Work name:- Regularly Operation and maintenance of Existing Street Light luminaries (LED, SV, TL, Highmass and etc), overhead/under ground street light system in JMC South (Ward 16 to 25)

## Schedule

A. Regularly operation and maintenance of existing street lighting system (all type of luminaires)

### PART-A ("H" Schedule)

Sn.	Code	PARTICULARS	Qty		Rate		Amount
1		Regularly Operation & maintenance of existing fluorescent tube fixture(36/40watt) by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	42	Nos		E/PM	
2		Regularly Operation & maintenance of existing sodium & MH fitting (70/150/250watt) including pole/wall/TP pole/oct pole//ZB pole/etc by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	106	Nos		E/PM	
3		Regularly Operatin & Maintanance of existing LEDs lights w including pole/wall/TP pole/oct pole//ZB pole/etc by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	4695	Nos		E/PM	
4		Regularly Operation & maintenance of existing decorative light by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	210	Nos		E/PM	
5		Regularly Operation maintenance of existing High-mast lights(SV/MH/LED) in all respect & all accessories with timer switch & panel with replacment of defective accessories as required as per direction of engineering incharge.	13	Nos		E/PM	

Total (Part A)

Total (Part A) for 12 Months

Note:- Mention qty are tentative qty its used for only estimate purpose, actual qty may be consider after survey

### PART-B ("H" Schedule)

Sn.	Code	PARTICULARS	Qty		Rate		Amount
1		Repair and refixing of tubular pole/octonogal pole in all respect including required site pandestal, iron support etc without lights as per direction of engineering incharge	3	Job		EJob	
2		Numbering of Street Light Pole of Existing Cement/ PCC Pole/ Tublar/ Octonogal Pole/ Wall/ Switcing Point and etc where light and Timer are already install by NNJ South also remove old number on Existing Pole/Tp/Wall. Numbering on pole should be done by synthetic enamel paint of approved brand and manufacture in approved size and and Design (Size 10*12 inch) as per direction of Engineering Incharge.	200	Job		EJob	

TOTAL PART-B ("H" Sch)

### PART-C ("G" Schedule)

Sn.	Code	PARTICULARS	Qty		Rate		Amount
1	60.2	Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Armoured Aluminium cable confirming to IS:1554 P-I / IS :7098 P - I of 1.1 KV with H4- Grade electrolytic aluminium conductor confirming to IS 8130 of purity >99.6 %, round / flat strip armouring of cables, Inner / outer sheath confirming to IS:5831 in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench / Cable tray(with cable tie) including testing etc. as required of following size. OEM must have it's own in house NABL accredited Laboratory for testing procedure as per IS:10810.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	60.2.2	6.0 Sq. mm					
	60.2.2.1	2 core	250	Mtr	131.00	RM	32750.00
	60.2.3	10.0 Sq. mm					
	60.2.3.3	4 core	200	Mtr	197.00	RM	39400.00
3	68.24	Supplying and drawing of XLPE insulated LT Aerial bunched Aluminium conductor cable confirming to IS 14255/1995 and IS 398 (Pt-4)/ 1994 and as per Discom Specs. on existing cross arms through I hook with all necessary T&P required including binding and twisting etc. complete in all respect as required. All as per pre approved by Engineer in-charge. For additional technical parameters					
	68.24.2	1 X 25 sq. mm. + 1X25 sq. mm. (insulated)	285	Mtr	65.00	RM	18525.00



4	68.3	Supply and fixing of following LT Supporting accessories with nut bolt & Clamps made out as per standard Discom's specifications with two coats of Red oxide and two coats of Aluminium paint etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR						
	68.3.1	LT cross arm 600 mm long with clamp	10	Nos	472.0	Each	4720.00	
5	68.4	Supply and fixing of LT porcelain pin insulator as per IS 1445-1997 and as per Discom's standard specifications, suitable for working voltage 1100 volts including all accessories like MS Forged GI LT Pin conforming to IS:7935/1975 (latest amended) Nut, Bolt etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR						
	68.4.1	100 mm x 70 mm	10	Nos	110.00	Each	1100.00	
6	68.5	Supply and fixing of LT porcelain shackle insulator as per IS:1443 1979 and as per Discom's standard specifications, suitable for working voltage 1100 volts including all accessories like GI Hardware fittings conforming to IS:7935/1975 (latest amended) Nut, Bolt etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR						
	68.5.1	75mm x 90mm	10	Nos	112.00	Each	1120.00	
7	59.1	Providing & Fixing of ISO certified company made TP&N 415 V side handle operated double break fuse switch unit in sheet steel enclosure as per PWD specification for electrical Works conforming to IS/IEC 60947-3 : 1999 (W/O HBC fuses) including making connections with suitable lugs, testing etc. as required. Appropriate type test certificate / OEM test report shall be submitted . All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .						
	59.1.1	63 A rating	2	Nos	6775.00	Each	13550.00	
8	53.6	Supply & drawing Wiring for sub mains ISI marked (IS:694) 1100 Volts grade PVC insulated flat twin core sheathed solid aluminium conductor with 10 SWG G.I. Support wire duly clipped etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR						
	53.6.2	6.0 sq.mm	1000	Mtr	56.0	RM	56000.00	
	53.6.3	10.0 sq.mm	1000	mtr	81.0	RM	81000.00	
<b>TOTAL "G" Sch. (PART-C)</b>								<b>248165.00</b>

  
**XEN(Elect)**  
**JMC**

I agree to do above "G" Schedule work @ ..... above/below on RUIDP 2023 electric with JMC terms and conditions..

H-Schedule Item -1.....Each  
 H-Schedule Item -2.....Each  
 H-Schedule Item -3.....Each  
 H-Schedule Item -4.....Each  
 H-Schedule Item -5.....Each  
 H-Schedule Item -6.....Each  
 H-Schedule Item -7.....Each

Signature of Contractor

# JODHPUR MUNICIPAL CORPORATION (SOUTH)

(4)

**Work name:-** Regularly Operation and maintenance of Existing Street Light luminaries (LED, SV, TL, Highmass and etc), overhead/under ground street light system in JMC South (Ward 26 to37)

## Schedule

**A. Regularly operation and maintenance of existing street lighting system (all type of luminaires)**

### PART-A ("II" Schedule)

Sn.	Code	PARTICULARS	Qty		Rate		Amount
1		Regularly Operation & maintenance of existing fluorescent tube fixture(36/40watt) by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	11	Nos		E/PM	
2		Regularly Operation & maintenance of existing sodium & MH fitting (70/150/250watt) including pole/vall/TP pole/oct pole//ZB pole/etc by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	55	Nos		E/PM	
3		Regularly Operatin & Maintenance of existing LEDs lights w including pole/wall/TP pole/oct pole/ZB pole/etc by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	8020	Nos		E/PM	
4		Regularly Operation & maintenance of existing decorative light by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	52	Nos		E/PM	
5		Regularly Operation maintenance of existing High-mast lights(SV/MH/LED) in all respect & all accessories with timer switch & panel with replacment of defective accessories as required as per direction of engineering incharge.	31	Nos		E/PM	

**Total (Part A)**

**Total (Part A) for 12 Months**

**Note:-** Mention qty are tentative qty its used for only estimate purpose, actual qty may be consider after survey

### PART-B ("H" Schedule)

Sn.	Code	PARTICULARS	Qty		Rate		Amount
1		Repair and refixing of tubular pole/octonogal pole in all respect including required site pandestal, iron support etc without lights as per direction of engineering incharge	3	Job		EJob	
2		Numbering of Street Light Pole of Existing Cement/ PCC Pole/ Tublar/ Octonogal Pole/ Wall/ Switcing Point and etc where light and Timer are already install by NNJ South also remove old number on Existing Pole/Tp/Wall. Numbering on pole should be done by synthetic enamel paint of approved brand and manufacture in approved size and and Design (Size 10*12 inch) as per direction of Engineering Incharge.	200	Job		EJob	

**TOTAL PART-B ("H" Sch)**


### PART-C ("G" Schedule)

Sn.	Code	PARTICULARS	Qty		Rate		Amount
1	60.2	Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Armoured Aluminium cable confirming to IS:1554 P-1 / IS :7098 P - 1 of 1.1 KV with H4- Grade electrolytic aluminium conductor confirming to IS 8130 of purity >99.6 %, round / flat strip armouring of cables, Inner / outer sheath confirming to IS:5831 in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench / Cable tray(with cable tie) including testing etc. as required of following size. OEM must have it's own in house NABL accredited Laboratory for testing procedure as per IS:10810.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	60.2.2	6.0 Sq. mm					
	60.2.2.1	2 core	200	Mtr	131.00	RM	26200.00
	60.2.3	10.0 Sq. mm					
	60.2.3.3	4 core	200	Mtr	197.00	RM	39400.00
3	68.24	Supplying and drawing of XLPE insulated LT Aerial bunched Aluminium conductor cable confirming to IS 14255/1995 and IS 398 (Pt-4)/ 1994 and as per Discom Specs. on existing cross arms through I hook with all necessary T&P required including binding and twisting etc. complete in all respect as required. All as per pre approved by Engineer in-charge. For additional technical parameters					
	68.24.2	1 X 25 sq. mm. + 1X25 sq. mm. (insulated)	285	Mtr	65.00	RM	18525.00

*(Signature)*



4	68.3	Supply and fixing of following LT Supporting accessories with nut bolt & Clamps made out as per standard Discom's specifications with two coats of Red oxide and two coats of Aluminium paint etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	68.3.1	LT cross arm 600 mm long with clamp	20	Nos	472.0	Each	9440.00
5	68.4	Supply and fixing of LT porcelain pin insulator as per IS 1445-1997 and as per Discom's standard specifications, suitable for working voltage 1100 volts including all accessories like MS Forged GI LT Pin conforming to IS:7935/1975 (latest amended) Nut, Bolt etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	68.4.1	100 mm x 70 mm	9	Nos	110.00	Each	990.00
6	68.5	Supply and fixing of LT porcelain shackle insulator as per IS:1443 1979 and as per Discom's standard specifications, suitable for working voltage 1100 volts including all accessories like GI Hardware fittings conforming to IS:7935/1975 (latest amended) Nut, Bolt etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	68.5.1	75mm x 90mm	15	Nos	112.00	Each	1680.00
7	59.1	Providing & Fixing of ISO certified company made TP&N 415 V side handle operated double break fuse switch unit in sheet steel enclosure as per PWD specification for electrical Works conforming to IS/IEC 60947-3 : 1999 (W/O HBC fuses) including making connections with suitable lugs, testing etc. as required. Appropriate type test certificate / OEM test report shall be submitted. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.					
	59.1.1	63 A rating	2	Nos	6775.00	Each	13550.00
8	53.6	Supply & drawing Wiring for sub mains ISI marked (IS:694) 1100 Volts grade PVC insulated flat twin core sheathed solid aluminium conductor with 10 SWG G.I. Support wire duly clipped etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	53.6.2	6.0 sq.mm	1000	Mtr	56.0	RM	56000.00
	53.6.3	10.0 sq.mm	1500	mtr	81.0	RM	121500.00
<b>TOTAL "G" Sch. (PART-C)</b>							<b>287285.00</b>

  
XEN(Elect)  
JMC

I agree to do above "G" Schedule work @ ..... above/below on RUIDP 2023 electric with JMC terms and conditions..

- H-Schedule Item -1.....Each
- H-Schedule Item -2.....Each
- H-Schedule Item -3.....Each
- H-Schedule Item -4.....Each
- H-Schedule Item -5.....Each
- H-Schedule Item -6.....Each
- H-Schedule Item -7.....Each

Signature of Contractor

# JODHPUR MUNICIPAL CORPORATION (SOUTH)

5

**Work name:-** Regularly Operation and maintenance of Existing Street Light luminaries (LED, SV, TL, Highmass and etc), overhead/under ground street light system in JMC South (Ward 48-57,66)

## Schedule

### A. Regularly operation and maintenance of existing street lighting system (all type of luminaires)

Sn.	Code	PARTICULARS	PART-A ("H" Schedule)		
			Qty	Rate	Amount
1		Regularly Operation & maintenance of existing fluorescent tube fixture(36/40watt) by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	5	Nos	E/PM
2		Regularly Operation & maintenance of existing sodium & MH fitting (70/150/250watt) including pole/wall/TP pole/oct pole//ZB pole/etc by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	15	Nos	E/PM
3		Regularly Operatin & Maintenance of existing LEDs lights w including pole/wall/TP pole/oct pole//ZB pole/etc by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	5657	Nos	E/PM
4		Regularly Operation & maintenance of existing decorative light by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	20	Nos	E/PM
5		Regularly Operation maintenance of existing High-mast lights(SV/MH/LED) in all respect & all accessories with timer switch & panel with replacment of defective accessories as required as per direction of engineering incharge.	20	Nos	E/PM
<b>Total (Part A)</b>					
<b>Total (Part A) for 06 Months</b>					0.00

Note:- Mention qty are tentative qty its used for only estimate purpose, actual qty may be consider after survey

Sn.	PARTICULARS	PART-B ("H" Schedule)		
		Qty	Rate	Amount
1	Repair and refixing of tubular pole/octonogal pole in all respect including required site pandestal, iron support etc without lights as per direction of engineering incharge	5	Job	EJob
<b>TOTAL PART-B ("H" Sch)</b>				0.00

Sn.	Code	PARTICULARS	PART-C ("G" Schedule)		
			Qty	Rate	Amount
1	68.24	Supplying and drawing of XLPE insulated LT Aerial bunched Aluminium conductor cable conforming to IS 14255/1995 and IS 398 (Pt-4)/ 1994 and as per Discom Specs. on existing cross arms through I hook with all necessary T&P required including binding and twisting etc. complete in all respect as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	200	Mtr	65
	68.24.2	1 X 25 sq. mm. + 1X25 sq. mm. (insulated)			RM 13000
2	68.3	Supply and fixing of following LT Supporting accessories with nut bolt & Clamps made out as per standard Discom's specifications with two coats of Red oxide and two coats of Aluminium paint etc. as required. All as per pre approved by Engineer in-charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR	5	Nos	472
	68.3.1	LT cross arm 600 mm long with clamp			Each 2360
3	68.4	Supply and fixing of LT porcelain pin insulator as per IS 1445-1997 and as per Discom's standard specifications,suitable for working voltage 1100 volts including all accessories like MS Forged GI LT Pin confirming to IS:7935/1975 (latest amended) Nut, Bolt etc. asrequired. All as per pre approved by Engineer in-charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR	5	Nos	110
	68.4.1	100 mm x 70 mm			Each 550
4	68.5	Supply and fixing of LT porcelain shackle insulator as per IS:1443 1979 and as per Discom's standard specifications, suitable for working voltage 1100 volts including all accessories like GI Hardware fittings confirming to IS:7935/1975 (latest amended) Nut, Bolt etc. as required. All as per pre approved by Engineer in-charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR	5	Nos	112
	68.5.1	75mm x 90mm			Each 560



5	53.6	Supply & drawing Wiring for sub mains ISI marked (IS:694) 1100 Volts grade PVC insulated flat twin core sheathed solid aluminium conductor with 10 SWG G.I. Support wire duly clipped etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR						
	53.6.2	6.0 sq.mm	3000	Mtr	75	RM	225000	
	53.6.3	10.0 sq.mm	2000	Mtr	100	RM	200000	
<b>TOTAL "G" Sch. (PART-C)</b>								
<b>Total (Part A+B+C)</b>								<b>441470.00</b>
<b>Say</b>								

*Handwritten Signature*  
**XEN(Elc)**  
**JMC**

I/We agree to do the above "G" Schedule (Part C) work @.....above/below on RUIDP BSR Electric with JMC terms conditions.

I / We agree do the above mention work as per "H" sch with JMC terms conditions rates are mention as below

- Part A:-
- 1) \_\_\_\_\_ Each Per Month
  - 2) \_\_\_\_\_ Each Per Month
  - 3) \_\_\_\_\_ Each Per Month
  - 4) \_\_\_\_\_ Each Per Month
  - 5) \_\_\_\_\_ Each Per Month
- Part B:-
- 1) \_\_\_\_\_ Each Job

\_\_\_\_\_  
**Contractor**

# JODHPUR MUNICIPAL CORPORATION (SOUTH)

6

Work name:- Regularly Operation and maintenance of Existing Street Light luminaries (LED, SV, TL, Highmass and etc), overhead/under ground street light system in JMC South (Ward 38-47, 59-60)

## Schedule

### A. Regularly operation and maintenance of existing street lighting system (all type of luminaires)

		PART-A ("H" Schedule)			
Sn.	Code	PARTICULARS	Qty	Rate	Amount
1		Regularly Operation & maintenance of existing fluorescent tube fixture(36/40watt) by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	5	Nos	E/PM
2		Regularly Operation & maintenance of existing sodium & MH fitting (70/150/250watt) including pole/wall/TP pole/oct pole//ZB pole/etc by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	10	Nos	E/PM
3		Regularly Operatin & Maintenance of existing LEDs lights w including pole/wall/TP pole/oct pole//ZB pole/etc by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	6375	Nos	E/PM
4		Regularly Operation & maintenance of existing decorative light by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	20	Nos	E/PM
5		Regularly Operation maintenance of existing High-mast lights(SV/MH/LED) in all respect & all accessories with timer switch & panel with replacment of defective accessories as required as per direction of engineering incharge.	7	Nos	E/PM
Total (Part A)					
Total (Part A) for 6 Months					

Note:- Mention qty are tentative qty its used for only estimate purpose, actual qty may be consider after survey

		PART-B ("H" Schedule)			
Sn.	Code	PARTICULARS	Qty	Rate	Amount
1		Repair and refixing of tubular pole/octonogal pole in all respect including required site pandestal, iron support etc without lights as per direction of engineering incharge	5	Job	EJob
TOTAL PART-B ("H" Sch)					0.00
					0.00

		PART-C ("G" Schedule)			
Sn.	Code	PARTICULARS	Qty	Rate	Amount
1	68.24	Supplying and drawing of XLPE insulated LT Aerial bunched Aluminium conductor cable confirming to IS 14255/1995 and IS 398 (Pt-4)/ 1994 and as per Discom Specs. on existing cross arms through I hook with all necessary T&P required including binding and twisting etc. complete in all respect as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .			
	68.24.2	1 X 25 sq. mm. + 1X25 sq. mm. (insulated)	200	Mtr	65 RM 13000
2	68.3	Supply and fixing of following LT Supporting accessories with nut bolt & Clamps made out as per standard Discom's specifications with two coats of Red oxide and two coats of Aluminium paint etc. as required. All as per pre approved by Engineer in-charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR			
	68.3.1	LT cross arm 600 mm long with clamp	5	Nos	472 Each 2360
3	68.4	Supply and fixing of LT porcelain pin insulator as per IS 1445-1997 and as per Discom's standard specifications,suitable for working voltage 1100 volts including all accessories like MS Forged GI LT Pin confirming to IS:7935/1975 (latest amended) Nut, Bolt etc. asrequired. All as per pre approved by Engineer in-charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR			
	68.4.1	100 mm x 70 mm	5	Nos	110 Each 550
4	68.5	Supply and fixing of LT porcelain shackle insulator as per IS:1443 1979 and as per Discom's standard specifications, suitable for working voltage 1100 volts including all accessories like GI Hardware fittings confirming to IS:7935/1975 (latest amended) Nut, Bolt etc. as required. All as per pre approved by Engineer in-charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR			



	68.5.1	75mm x 90mm	5	Nos	112	Each	560	
5	53.6	Supply & drawing Wiring for sub mains ISI marked (IS:694) 1100 Volts grade PVC insulated flat twin core sheathed solid aluminium conductor with 10 SWG G.I. Support wire duly clipped etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR						
	53.6.2	6.0 sq.mm	2000	Mtr	75	RM	150000	
	53.6.3	10.0 sq.mm	2000	Mtr	100	RM	200000	
TO								
<b>Total (Part A+B+C)</b>								<b>366470</b>
<b>Say</b>								

*Wink*  
XEN(Elc)  
JMC

I/We agree to do the above "G" Schedule (Part C) work @.....above/below on RUIDP BSR Electric with JMC terms conditions.

I / We agree do the above mention work as per "H" sch with JMC terms conditions rates are mention as below

- Part A:-
- 1) \_\_\_\_\_ Each Per Month
  - 2) \_\_\_\_\_ Each Per Month
  - 3) \_\_\_\_\_ Each Per Month
  - 4) \_\_\_\_\_ Each Per Month
  - 5) \_\_\_\_\_ Each Per Month
- Part B:-
- 1) \_\_\_\_\_ Each Job

Contractor

# JODHPUR MUNICIPAL CORPORATION (SOUTH)

7

**Work name:-** Regularly Operation and maintenance of Existing Street Light luminaries (LED, SV, TL, Highmass and etc), overhead/under ground street light system in JMC South zone 7 (Ward 58, 61-65, 67-73 )

## Schedule

### A. Regularly operation and maintenance of existing street lighting system (all type of luminaires)

#### PART-A ("H" Schedule)

Sn.	Code	PARTICULARS	Qty		Rate	Amount
1		Regularly Operation & maintenance of existing fluorescent tube fixture(36/40watt) by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	10	Nos	E/PM	
2		Regularly Operation & maintenance of existing sodium & MH fitting (70/150/250watt) including pole/wall/TP pole/oct pole//ZB pole/etc by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	25	Nos	E/PM	
3		Regularly Operatin & Maintanance of existing LEDs lights w including pole/wall/TP pole/oct pole//ZB pole/etc by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	6599	Nos	E/PM	
4		Regularly Operation & maintenance of existing decorative light by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	138	Nos	E/PM	
5		Regularly Operation maintenance of existing High-mast lights(SV/MH/LED) in all respect & all accessories with timer switch & panel with replacment of defective accessories as required as per direction of engineering incharge.	20	Nos	E/PM	
<b>Total (Part A)</b>						
<b>Total (Part A) for 6 Months</b>						

Note:- Mention qty are tentative qty its used for only estimate purpose, actual qty may be consider after survey

#### PART-B ("H" Schedule)

Sn.	PARTICULARS	Qty		Rate	Amount
1	Repair and refixing of tubular pole/octonogal pole in all respect including required site pandestal, iron support etc without lights as per direction of engineering incharge	5	Job	E/Job	
<b>TOTAL PART-B ("H" Sch)</b>					

#### PART-C ("G" Schedule)

Sn.	Code	PARTICULARS	Qty		Rate	Amount
1	68.24	Supplying and drawing of XLPE insulated LT, Aerial bunched Aluminium conductor cable confirming to IS 14255/1995 and IS 398 (Pt-4)/ 1994 and as per Discom Specs. on existing cross arms through I hook with all necessary T&P required including binding and twisting etc. complete in all respect as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .				
	68.24.2	1 X 25 sq. mm. + 1X25 sq. mm. (insulated)	150	Mtr	65	RM 9750
2	68.3	Supply and fixing of following LT Supporting accessories with nut bolt & Clamps made out as per standard Discom's specifications with two coats of Red oxide and two coats of Aluminium paint etc. as required. All as per pre approved by Engineer in-charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
	68.3.1	LT cross arm 600 mm long with clamp	3	Nos	472	Each 1416
3	68.4	Supply and fixing of LT porcelain pin insulator as per IS 1445-1997 and as per Discom's standard specifications,suitable for working voltage 1100 volts including all accessories like MS Forged GI LT Pin confirming to IS:7935/1975 (latest amended) Nut, Bolt etc. asrequired. All as per pre approved by Engineer in-charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
	68.4.1	100 mm x 70 mm	4	Nos	110	Each 440
4	68.5	Supply and fixing of LT porcelain shackle insulator as per IS:1443 1979 and as per Discom's standard specifications, suitable for working voltage 1100 volts including all accessories like GI Hardware fittings confirming to IS:7935/1975 (latest amended) Nut, Bolt etc. as required. All as per pre approved by Engineer in-charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				



	68.5.1	75mm x 90mm	2	Nos	112	Each	224	
5	53.6	Supply & drawing Wiring for sub mains ISI marked (IS:694) 1100 Volts grade PVC insulated flat twin core sheathed solid aluminium conductor with 10 SWG G.I. Support wire duly clipped etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR						
	53.6.2	6.0 sq.mm	2600	Mtr	75	RM	195000	
	53.6.3	10.0 sq.mm	2200	Mtr	100	RM	220000	
<b>TOTAL "G" Sch. (PART-C)</b>								
<b>Total (Part A+B+C)</b>								<b>426830.00</b>
<b>Say</b>								

*XEN*  
**XEN(Elc)**  
**JMC**

I/We agree to do the above "G" Schedule (Part C) work @.....above/below on RUIDP BSR Electric with JMC terms conditions.

I/We agree do the above mention work as per "H" sch with JMC terms conditions rates are mention as below

- Part A:-
- 1) \_\_\_\_\_ Each Per Month
  - 2) \_\_\_\_\_ Each Per Month
  - 3) \_\_\_\_\_ Each Per Month
  - 4) \_\_\_\_\_ Each Per Month
  - 5) \_\_\_\_\_ Each Per Month
- Part B:-
- 1) \_\_\_\_\_ Each Job

**Contractor**

# JODHPUR MUNICIPAL CORPORATION (SOUTH)

Work name:- Regularly Operation and maintenance of Existing Street Light luminaries (LED, SV, TL, Highmass and etc), overhead/under ground street light system in JMC South Zone 8 (Ward74-80)

## Schedule

A. Regularly operation and maintenance of existing street lighting system (all type of luminaires)

Sn.	Code	PARTICULARS	PART-A ("II" Schedule)			
			Qty		Rate	Amount
1		Regularly Operation & maintenance of existing fluorescent tube fixture(36/40watt) by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	10	Nos	E/PM	
2		Regularly Operation & maintenance of existing sodium & MH fitting (70/150/250watt) including pole/wall/TP pole/oct pole//ZB pole/etc by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	20	Nos	E/PM	
3		Regularly Operatin & Maintenance of existing LEDs lights w including pole/wall/TP pole/oct pole//ZB pole/etc by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	6840	Nos	E/PM	
4		Regularly Operation & maintenance of existing decorative light by need full replacement with all defectives missing and broken accessories in all respect as per direction of engineering incharge.	10	Nos	E/PM	
5		Regularly Operation maintenance of existing High-mast lights(SV/MH/LED) in all respect & all accessories with timer switch & panel with replacment of defective accessories as required as per direction of engineering incharge.	7	Nos	E/PM	
<b>Total (Part A)</b>						
<b>Total (Part A) for 6 Months</b>						

Note:- Mention qty are tentative qty its used for only estimate purpose, actual qty may be consider after survey

Sn.	PARTICULARS	PART-B ("H" Schedule)		
		Qty	Rate	Amount
1	Repair and refixing of tubular pole/octonogal pole in all respect including required site pandestal, iron support etc without lights as per direction of engineering incharge	3	Job	EJob
<b>TOTAL PART-B ("H" Sch)</b>				

Sn.	Code	PARTICULARS	PART-C ("G" Schedule)			
			Qty		Rate	Amount
1	68.24	Supplying and drawing of XLPE insulated LT Aerial bunched Aluminium conductor cable confirming to IS 14255/1995 and IS 398 (Pt-4)/ 1994 and as per Discom Specs. on existing cross arms through I hook with all necessary T&P required including binding and twisting etc. complete in all respect as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .				
	68.24.2	1 X 25 sq. mm. + 1X25 sq. mm. (insulated)	70	Mtr	65	RM 4550
2	68.3	Supply and fixing of following LT Supporting accessories with nut bolt & Clamps made out as per standard Discom's specifications with two coats of Red oxide and two coats of Aluminium paint etc. as required. All as per pre approved by Engineer in-charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
	68.3.1	LT cross arm 600 mm long with clamp	2	Nos	472	Each 944
3	68.4	Supply and fixing of LT porcelain pin insulator as per IS 1445-1997 and as per Discom's standard specifications,suitable for working voltage 1100 volts including all accessories like MS Forged GI LT Pin confirming to IS:7935/1975 (latest amended) Nut, Bolt etc. asrequired. All as per pre approved by Engineer in-charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
	68.4.1	100 mm x 70 mm	2	Nos	110	Each 220
4	68.5	Supply and fixing of LT porcelain shackle insulator as per IS:1443 1979 and as per Discom's standard specifications, suitable for working voltage 1100 volts including all accessories like GI Hardware fittings confirming to IS:7935/1975 (latest amended) Nut, Bolt etc. as required. All as per pre approved by Engineer in-charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				



	68.5.1	75mm x 90mm	2	Nos	112	Each	224	
5	53.6	Supply & drawing Wiring for sub mains ISI marked (IS:694) 1100 Volts grade PVC insulated flat twin core sheathed solid aluminium conductor with 10 SWG G.I. Support wire duly clipped etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR						
	53.6.2	6.0 sq.mm	2000	Mtr	75	RM	150000	
	53.6.3	10.0 sq.mm	1920	Mtr	100	RM	192000	
<b>TOTAL "G" Sch. (PART-C)</b>								
<b>Total (Part A+B+C)</b>								<b>347938.00</b>
<b>Say</b>								

*Hink*  
XEN(EIe)  
JMC

I/We agree to do the above "G" Schedule (Part C) work @.....above/below on RUIDP BSR Electric with JMC terms conditions.

I / We agree do the above mention work as per "H" sch with JMC terms conditions rates are mention as below

- Part A:-
- 1) \_\_\_\_\_ Each Per Month
  - 2) \_\_\_\_\_ Each Per Month
  - 3) \_\_\_\_\_ Each Per Month
  - 4) \_\_\_\_\_ Each Per Month
  - 5) \_\_\_\_\_ Each Per Month

- Part B:-
- 1) \_\_\_\_\_ Each Job

**Contractor**

# JODHPUR MUNICIPAL CORPORATION (SOUTH)

9


Work name:- Operation and Maintenance of Street Light Centralized Control & Monitoring System (CCMS), Timer and Switching System JMC South (Ward 1 to 37)

### Schedule

A. Operation and maintenance of existing street lighting system (all type of luminaires) other than EESL led. Contractor deployed separate team for these work

RUIDP-2023		PART-A ("H" Schedule)			
Sn.	PARTICULARS	Qty	Rate	Rate	Amount
1	Regularly Operation & maintenance of Centralized Control & Monitoring System (CCMS) with comprehensive solution for protection, control and monitoring a group of Street light. Its Included class 1.0 metering unit and communication to Smart web server with GSM/GPRS connection with cloud based portal charges for online monitoring of CCMS. By required needful replacement all defective accessories which are burnt, broken and missing such as contactor, single pole MCB, RLC, PC, Energy Meter, Digital watch, Rotary Switch, wire, and etc. Also Maintain Supply from meter to output Source(terminal) and also regularly maintain log sheet of time ON-OFF and must be intimate to site incharge / engineering incharge & if any type of need from JdVVNL immediate to inform related office and any type required help to take them.(Single and Three Phase)	280	Nos	Each P. Month	
2	a) Regularly Operation & maintenance of electronics pole mounting dusk down photo cell timer, clock type timer, ON-OFF panel 63/100amp rating Main switch. by required replacement all defective accessories which are burnt, broken and missing such as air break, contractor, (L&T/BCH male) 3 pole MCCB, single pole MCCB, solar plate, electronic/micro controller, copper strip lead wire insulator, hard ware. Upto supply sources. and also regularly maintain log sheet of time ON-OFF and must be intimate to site incharge / engineering incharge & if any type of need from JUVVNL immediate to inform related office and any type required help to take them. For 25/40/ 63/100 Amp rating(3-Phase/1-phase)	50	Nos	Each P. Month	
3	Regularly Operation & Maintenance of manual main switch operated ON-OFF & Including all need full replacement by defective, burnt, and broken accessories such as kikit fuse, handle unclip fuse wire HRC fuse copper strip connecting rode etc. maintain log sheet and time to time intimate to site incharge / engineer in charge & if any type of need from JUVVNL immediate to inform related office and any type required help to take them.	35	Nos	Each P. Month	
4	Supply and Installation of Single Phase Centralized Control and Monitoring System (CCMS) with comprehensive solution for protection, control and monitoring a group of Street light. Its Included class 1.0 metering unit and communication to Smart web server with GSMGPRS connection with cloud based portal charges for online monitoring of CCMS.	3	Nos	Each	
5	Supply and Installation of Three Phase Centralized Control and Monitoring System (CCMS) with comprehensive solution for protection, control and monitoring a group of Street light. Its Included class 1.0 metering unit and communication to Smart web server with GSMGPRS connection with cloud based portal charges for online monitoring of CCMS.	6	Job	Each	
Total (Part- A) Item 1 to 3 ( Rs.)					
Total (Part- A) 12 Month Rs.					

RUIDP-2023		PART-B ("G" Schedule)			
Sn.	PARTICULARS	Qty	Rate	Rate	Amount
1	60.2 Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Armoured Aluminium cable confirming to IS:1554 P-1 / IS :7098 P - 1 of 1.1 KV with H4- Grade electrolytic aluminium conductor confirming to IS 8130 of purity >99.6 %, round / flat strip armouring of cables, Inner / outer sheath confirming to IS:5831 in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench / Cable tray(with cable tie) including testing etc. as required of following size. OEM must have it's own in house NABL accredited Laboratory for testing procedure as per IS:10810. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
	60.2.5 25.0 Sq. mm				
	60.2.5.3 3.5 core	600	Mtr	292.00	RM
2	53.6 Supply & drawing Wiring for sub mains ISI marked (IS:694) 1100 Volts grade PVC insulated flat twin core sheathed solid aluminium conductor with 10 SWG G.I. Support wire duly clipped etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
	53.6.2 6.0 sq. mm	180	Mtr	56.0	RM
	53.6.3 10.0 sq. mm	150	mtr	81.0	RM
<b>TOTAL ("G" Sch.)</b>					<b>197430.00</b>

  
XEN(Elect)  
JMC

I agree to do above "G" Schedule work @ ..... above/below on RUIDP' 2023 electric with JMC terms and conditions.

- H-Schedule Item -1.....Each
- H-Schedule Item -2.....Each
- H-Schedule Item -3.....Each
- H-Schedule Item -4.....Each
- H-Schedule Item -5.....Each

Signature of Contractor



# JODHPUR MUNICIPAL CORPORATION (SOUTH)

Work name:- Regulary Operation and Maintanance of Street Light Centralized Control & Monitoring System (CCMS), Timer and Switching System JMC South (Ward 38 to 80)

## Schedule

A. Regularly operation and maintanance of existing street lighting system (all type of luminaires) other than EESL led. Contractor deployed seprate team for these work

PART-A ("II" Schedule)					
Sn.	PARTICULARS	Qty		Rate	Amount
1	Regularly Operation & maintenance of Centralized Control & Monitoring System (CCMS) with comprehensive solution for protection, control and monitoring a group of Street light. Its Included class 1.0 metering unitand communication to Smart web server with GSM/GPRS connection with cloud based portal charges for online monitoring of CCMS. By required needful replacment all defective accessories which are burnt, broken and missing such as contactor , single pole MCB, RLC, PC , Energy Meter, Digital watch, Rotaray Switch, wire , and etc. Also Maintain Supply from meter to output Source( terminal) and also regularly maintain log sheet of time ON-OFF and must be intimate to site incharge / engineering incharge & if any type of need from JdVVNL immediate to inform related office and any type required help to take them.( Single and Three Phase)	370	Nos	Each P. Month	
2	Regularly Operation & maintenance of electronics pole mounting dusk down photo cell timer, clock type timer, ON-OFF panel 63/100amp rating Main switch. by required replacment all defective accessories which are burnet,broken and missing such as air break , contractor,(L&T/BCH male) 3 pole MCCB, single pole MCCB, solar plate, electronic/micro controllor, copper strip lead wire insulator, hard ware. Upto supply sources. and also regularly maintain log sheet of time ON-OFF and must be intimate to site incharge / engineering incharge & if any type of need from JUVVNL immediate to inform related office and any type required help to take them. For 25/40/63/100 Amp rating(3-Phase/1-phase)	70	Nos	Each P. Month	
3	Regularly Operation & Maintenance of manual main switch operatted ON-OFF & <del>including all need full replacmen by defective, burnt, and broken accessories such</del> as kitkit fuse, handle unclip fuse wire HRC fuse copper strip connecting rode etc. mainten log sheet and time to time intimate to site incharge / engineer in charge & if any type of need from JUVVNL immediate to inform related office and any type required help to take them.	40	Nos	Each P. Month	
<b>Total (Part- A) Rs.</b>					
<b>Total (Part- A) 6 Month Rs.</b>					
Note:- Mention qty are tentative qty its used for only estimate purpose, actual qty may be consider after survey One team wil seprately deputed for this work					

PART-C ("G" Schedule)					
Sn.	PARTICULARS	Qty		Rate	Amount
1	60.2 Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Armoured Aluminium cable confirming to IS:1554 P-1 / IS :7098 P - I of 1.1 KV with H4- Grade electrolytic aluminium conductor confirming to IS 8130 of purity >99.6 % , round / flat strip armouring of cables, Inner / outer sheath confirming to IS:5831 in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench / Cable tray(with cable tie) including testing etc. as required of following size. OEM must have it's own in house NABL accredited Laboratory for testing procedure as per IS:10810.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
	60.2.3 10.0 Sq. mm				
	60.2.3.3 4 core	200	Mtr	197.00	RM
					39400.00
2	53.6 Supply & drawing Wiring for sub mains ISI marked (IS:694) 1100 Volts grade PVC insulated flat twin core sheathed solid aluminium conductor with 10 SWG G.I. Support wire duly clipped etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
	53.6.2 6.0 sq.mm	200	Mtr	75.0	RM
	53.6.3 10.0 sq.mm	200	mtr	100.0	RM
					20000.00
<b>TOTAL ("H" Sch.)</b>					<b>74400.00</b>
<b>Total (Part A+B)</b>					
Say					

  
XEN(Etc)  
JMC

I/We agree to do the above "G" Schedule (Part C) work @.....above/below on RUIDP BSR Electric with JMC terms conditions.

I / We agree do the above mention work as per "H" sch with JMC terms conditions rates are mention as below

- |          |    |                |
|----------|----|----------------|
| Part A:- | 1) | Each Per Month |
|          | 2) | Each Per Month |
|          | 3) | Each Per Month |

Contractor

# JODHPUR MUNICIPAL CORPORATION (South) JODHPUR

NAME OF WORK :- Comprehensive Operation & Maintenance of existing fountain in Nagar Nigam Jodhpur Area  
( Yearly Contract)

## Schedule

### Part -A "H" Schedule

S.No.	Code	PARTICULARS	Qty	Unit	Rate	Unit	Amount
1		Operating, Security and Comprehensive maintenance of fountains at various places / Parks / Circle including washing and cleaning of fountain pool with repairing of minor leakage if any, proper adjusting fountain nozzles, valves, repairing of fountain lights and panel boards with providing of operator for operating of the fountain at evening for three hours, Six days in a week except one day for Maintenance. (the time of operation will be vary during the change of weather or instructed by the engineer in charge). Contractor must be electrical licence and similer work experience					
		Fountain at JMC Building	2	Nos		Each Fountain	
		Fountain at Circle (Near Central accedamy School )	1	Nos		Each Fountain	
		water fall Fountain (CHB Choapti, Mahaveer Park)	2	Nos		Each Fountain	
		Fountain at Park (As per enclosed List)	14	Nos		Each Fountain	
For 1 Month (O&m Charges)							
TOTAL "H" Schedule(for 12 Month) Part A							

### Part -B "H" Schedule

S.No.	Code	PARTICULARS	Qty	Unit	Rate	Unit	Amount
1		S&F of IP 68 protected LED Under water light system in SS 304 Housing / Aluminium die casting housing 9 x 1W, 12 / 24 V DC LED lamps with dynamic colour changing capability available in quick connecting cable coupled with various counting accessories. Ability to create 16.7 million uniform, smooth and brilliant colours with our revealing any lamp image, Available in 5 colour - amber, green, red, blue, white and RGB multi Colour changing. Make Waltzing waters, OASE, Fountana fountains, Premier, Modern stage service, Jet fountains.	30	Nos		Each	
2		Power supply for 9W LED lights Make Waltzing waters, OASE, Fountana fountains, Modern stage service, Jet fountains.	2	nos		Each	
3		Colour changing controller for 9W LED lights Make Waltzing waters, OASE, Fountana fountains, Modern stage service, Jet fountains.	2	nos		Each	
4		Supplying and fixing different size smooth bore nozzle (in 3 parts) 2 parts made of High Grade Engineering Nylon Plastic and 1 Part Base in Brass. Make Waltzing waters, OASE, Fountana fountains, Modern					
		4mm smooth bore nozzle	20	Nos		Each	
		6mm smooth bore nozzle	20	Nos		Each	
		8mm smooth bore nozzle	15	Nos		Each	
5		Supply and fixing of filter made iron frame with white powder coating and SS 304 mesh for of size 7" x 7" x 10" suitable for 0.5Hp pump to 5Hp pump. Make Waltzing waters, OASE, Fountana fountains, Modern stage service, Jet fountains.	2	Nos		Each	
6		Supply and fixing of filter made iron françe with white powder coating and SS 304 mesh for of size 10" x 10" x 17" suitable for 5Hp pump to 15Hp pump. Make Waltzing waters, OASE, Fountana fountains, Modern stage service, Jet fountains.	2	Nos		Each	



7	Electrical Panels (make BCH) for fountain Starter (make Siemens, BCH), MCB's (make Siemens, legrand) indicating lights (make Siemens, L&T), etc.-Suitable for 3 hp to 7.5 Hp pump Make Waltzing waters, OASE, Fountana fountains, Modern stage service, Jet fountains.	2	Nos		Each
8	Electrical Panels (make BCH) for fountain Starter (make Siemens, BCH), MCB's (make Siemens, legrand) indicating lights (make Siemens, L&T), etc.-Suitable for 0.5 hp to 2 Hp pump Make Waltzing waters, OASE, Fountana fountains, Modern stage service, Jet fountains.	1	Nos		Each
TOTAL "H" Schedule(Part B)					

**Part-C Schedule "G"**

S.No.	PARTICULARS	Qty	Unit	Rate	Unit	Amount
1	53.7 SP/Laying ISI marked P.V.C. insulated submersible cable confirming to(IS:694) and as per IS 8130 : 2013 of 1.1 kV grade . Wire should be made from 99.90 % purity copper, stranding in acc. to IS:8130/IEC 60228 for lower watt loss , oxygen free for less chances of oxidization, insulation PVC type A/C/D , flame retardant as per IS 10810-53, better amperage rating as per IS:3961 part 5, existing pipe / open trench / Cable tray / on surface including making connection etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	53.7.4 6.0 Sq.mm 3 core flat / Round	100	Mtr	308.00	RM	30800.00
	53.7.5 10.0 Sq.mm 3 core flat / Round	100	Mtr	502.00	RM	50200.00
2	53.7 P/Laying ISI marked P.V.C. insulated submersible cable confirming to(IS:694) and as per IS 8130 : 2013 of 1.1 kV grade . Wire should be made from 99.90 % purity copper, stranding in acc. to IS:8130/IEC 60228 for lower watt loss , oxygen free for less chances of oxidization, insulation PVC type A/C/D , flame retardant as per IS 10810-53, better amperage rating as per IS:3961 part 5, existing pipe / open trench / Cable tray / on surface including making connection etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	53.7.1 1.5 Sq.mm 3 core flat / Roundlat	200	mtr	94.00	RM	18800.00
	53.7.2 2.5 Sq.mm 3 core flat / Round	150	mtr	150.00	RM	22500.00
3	59.1 Providing & Fixing of ISO certified company made TP&N 415 V side handle operated double break fuse switch unit in sheet steel enclosure as per PWD specification for electrical Works conforming to IS/IEC 60947-3 : 1999 (W/O HBC fuses) including making connections with suitable lugs, testing etc. as required. Appropriate type test certificate / OEM test report shall be submitted . All as per pre approved by					
	59.1.1 63 A rating	1	Nos	6775.00	Each	6775.00
4	60.2 Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Armoured Aluminium cable confirming to IS:1554 P-I / IS :7098 P - I of 1.1 KV with H4- Grade electrolytic aluminium conductor confirming to IS 8130 of purity >99.6 % , round / flat strip armouring of cables, Inner / outer sheath confirming to IS:5831 in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench / Cable tray(with cable tie) including testing etc. as required of following size. OEM must have it's own in house NABL accredited Laboratory for testing procedure as per IS:10810.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR.					
	60.2.4.3 16 sqmm x 4 core	100	Mtr	238.00	RM	23800.00
	60.2.5.2 25.0 sqmm x 3 core	100	Mtr	250.00	RM	25000.00



5	71.43	Providing and making wall openings in existing stone / Brick masonry partition wall complete with all required T & P , Scaffolding and providing lintel of required size and strength, repairing ,plastering and cleaning the site debris as required.	10	cum.	4032	Each	40320.00	
6	72.24	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level						
	72.24.1	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	8	cum.	5101	Each Cum	40808.00	
7	72.25	Plaster on new surface on wall in cement sand mortar 1:4 including racking of joints etc. complete fine finish :						
	72.25.1	20mm thick	80	Sqm	483	Each Sqmtr	38640.00	
TOTAL "G" schedule (Part C)								297643.00

  
XEN(Elect)  
JMC

I agree to do above "G" Schedule work @ ..... above/below on RUIDP 2023 electric with JMC terms and conditions..

- H-Schedule Item -1.....Each
- H-Schedule Item -2.....Each
- H-Schedule Item -3.....Each
- H-Schedule Item -4.....Each
- H-Schedule Item -5.....Each
- H-Schedule Item -6.....Each
- H-Schedule Item -7.....Each
- H-Schedule Item -8.....Each
- H-Schedule Item -9.....Each
- H-Schedule Item -10.....Each
- H-Schedule Item -11.....Each
- H-Schedule Item -12.....Each
- H-Schedule Item -13.....Each
- H-Schedule Item -14.....Each

Signature of Contractor



## Nagar Nigam (South), Jodhpur

Name of work:- **AMC For Existing CCTV Camera and Biometric Machine at JMC Building and Other**

RUIDP 2023 and		Schedule		Part A ("G" Schedule)			
S.n.	CODEno	PARTICULARS	QTY.		RATE		AMOUNT
1	74.9	Providing experienced and Highly skilled/skilled/ semi-skilled/Un Skilled labour for electric repair/ maintenance / operation of CCTV or any other electromechanical systems as per requirement (one shift of 8 Hrs per day for 26 Working Days in a month)					
	74.9.2	skilled Labour	12	Labour Month	9836.00	Per Month	118032.00
	74.9.4	Un skilled labour	12	Labour Month	8980.00	Per Month	107760.00
2	74.1	Add for extra working on Holidays.					
	74.10.2	skilled Labour	60	Labour Day	378.00	Per Day	22680.00
	74.10.3	Un skilled labour	60	Labour Day	345.00	Per Day	20700.00
3	E200200	Supply, Drawing and Testing of 4 pair, 23 AWG Solid Bare Copper wire insulated with PVC, Category 6A , FTP (Foiled Twisted Pair), 100 Ohm Impedance, Indoor Cable as per latest ammendments of ANSI/TIA/EIA-568 , The copper conductors should be balanced twisted in pairs, Unscreened and Aluminum Foil Sheilding of Individual pairs protected by a Low Smoke Zero Halogen (LSZH) Jacket. Certified performance in a 4-connector configuration upto 100 Mtrs channel requirements & transmission frequencies up to 500 Mhz. Cable Should support Ethernet 10GBASE-T according to the standards. in existing MS/PVC Conduits/casing capping including making connections to Information outlets and Patch Panels with jack & ferruling at both ends for identification with necessary tools for punching, stripping, crimping and testing etc as required complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	500	Mtr	67.00	RM	33500.00
4	48.3.17	Supply, Installation, Testing & Commissioning of 5 MP IR Fixed Dome Network Camera - 1/2.7 inch Progressive Scan CMOS, 2592 × 1944 at 25fps, 2.8 mm Fixed lens, 0.003 Lux at F1.4, 0 Lux with IR on, ICR, ONVIF (PROFILE S, PROFILE G, PROFILE T), support H.265, H.264, MJPEG, 120db WDR, 3D Digital Noise Reduction, BLC, HLC, Three individually configurable stream, 12 VDC & PoE, IR range: 40m, Support on-board storage up to 256 GB (SD card not included), IP67, IK10, Edge Analytics- Line crossing detection, Intrusion detection, Motion detection, Region entrance detection, Region exiting detection, Scene change detection, Face capture, Video tampering, audio exception detection, False alarm reduction through human and vehicle target classification based on deep learning CE, FCC, BIS certified	5	nos	13162.00	Each	65810.00
5	48.3.18	Supply, Installation, Testing & Commissioning of 5 MP IR Fixed Bullet Network Camera - 1/2.7 inch Progressive Scan CMOS, 2592 × 1944 at 25fps, 2.8 mm Fixed lens, 0.003 Lux at F1.4, 0 Lux with IR on, ICR, ONVIF (PROFILE S, PROFILE G, PROFILE T), support H.265, H.264, MJPEG, 120db WDR, 3D Digital Noise Reduction, BLC, HLC, Three individually configurable stream, 12 VDC & PoE, IR range: 40m, Support on-board storage including SD Card up to 256 GB , IP67, Alarm I inputs, I outputs, Audio I inputs, I outputs, Edge Analytics- Line crossing detection, Intrusion detection, Motion detection, Region entrance detection, Region exiting detection, Scene change detection, Face capture, Video tampering, audio exception detection, False alarm reduction through human and vehicle target classification based on deep learning CE, FCC, BIS certified	10	nos	13472.00	Each	134720.00
6		Supply, Installation, Testing & Commissioning of 16 ch NVR Pre-licenced, NVR supports upto 40 TB HDD Support, 16ch IP inputs; ; Support ANR technology; 320mbps incoming bandwidth, supports up to I 2MP full channel recording; support H.265 compression; 16ch synchronised playback @1080p; support 3rd party cameras ONVIF type; 4K output, minimum 04 SATA HDD Slots; each slot should support upto I OTB HOD; Dual gigabit self adaptive Ethernet interface; serial interface; USB interface; (all cameras and Storage-NVR should be of same make for the smooth 27.3 functioning of the system).complete with mounting accessories & junction box (to be provided by OEM) for cable management. Model should be : Certificates of Compliance: UL, CE/FCC, BIS. The CCTV OEM should have CMMI Level 5 or above or equivalent setup certification. The CCTV OEM should have its office and service/ support center in RajasthanAll as per pre approved by Engineer in charge.For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR	2	nos	32000.00	Each	64000.00
7	27.5	Supply, Installation, Testing & Commissioning of of 3.5" 6 TB SATA ,USB 3.0 Surveillance Hard Disk .All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this B-R	5	nos	14160.00	Each	70800.00



S.n.	CODEno	PARTICULARS	QTY.		RATE		AMOUNT
8	E200300 (pwd)	SITC of 4 port Giga PoE Switch with dual uplink : unmanaged PoE switch; -tX10/1 00/ 1000 mbps Base-T PoE; 1*10/100/ 1000 Base-T (Uplink) or 1* 1000 Base-X (uplink); PoE Power Consumption per Port: ~30W; power budget: minimum 48 W; PoE Protocols: IEEE802.3af, IEEE802.3at , Switching Capacity: 10 Gbps or better; MAC Table Size 2K or better; forking Temperature: -5°C~55°C; Power supply: DC48~57V Certificate of compliance: CE/FCC. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with P.W.D. Electrical B.S.R. 2022.	4	nos	4761.00	Each	19044.00
9	E200400 (PWD)	SITC of 8 port Giga PoE Switch with dual uplink : unmanaged PoE switch; 8X10/1 00/ 1000 mbps Base-T PoE; 2*10/100/1000 Base-T (Uplink) or 2*1000 Base-X (uplink); PoE Power Consumption per Port: ~30W; power budget: minimum 96 W; PoE Protocols: IEEE802.3af, IEEE802.3at , Switching Capacity: 20 Gbps or better; MAC Table Size 2K or better; Working Temperature: -5°C~55°C; Power supply: DC48~57V Certificate of compliance: CE/FCC. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with P.W.D. Electrical B.S.R. 2022.	1	nos	5820.00	Each	5820.00
10	53.2	Supplying and drawing coaxial cable 75 ohm impedance with foam PE insulated solid bare copper inner conductor, and 1st outer conductor of bonded alum. tape and second outer conductor of alum. alloy braid in existing surface or recessed conduit/casing capping including making connections as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	53.2.2	RG -11	250	mtr	59.00	RM	14750.00
11	54.15	P & F 3.0 mm thick Poly propylene plastic polished concealed fan box, square of size (106x106) mm dia, depth 50 mm , 10 mm dia rod of MS with chrome plated with 55 mm length extended on each side . All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	50	nos	122.00	Each	6100.00
<b>Total (G-Schedule)</b>							<b>633716.00</b>

<b>Part B ("H" Schedule)</b>							
S.n.	CODEno	PARTICULARS	QTY.		RATE		AMOUNT
1		Supply and fixing of Power adeptor for existing HD camera in all respect as per direction of	10	Nos		Each	
2		Supply and fixing of BNC/DC connector for existing/new CCTV camera in all respect as per	35	Nos		Each	
3		Supply of 32 GB pen drive	4	Nos		Each	
4		Supply of 12Volts 2Amp Rechargeable Lithium-Ion polymer Battery Using in Biometric Machine for uninterrupted of Machine in all respect.	10	Nos		Each	
5		Application software with licence for existing biometric Machine at Nagar Nigam office and other office software support with GUI, Equipment and any other Operating System. USB 2.0 or 3.0 port for connection of biometric USB flash drive containing the software. software support 25 Nos of Biometric Machine with one year subscription in all respect.	1	Nos		Each	
<b>Total (H-Schedule)</b>							

  
**XEN(Elect)**  
**JMC**

I agree to do above "G" Schedule work @ ..... above/below on RUIDP 2023 electric with JMC terms and conditions..

- H-Schedule Item -1.....Each
- H-Schedule Item -2.....Each
- H-Schedule Item -3.....Each
- H-Schedule Item -4.....Each
- H-Schedule Item -5.....Each

Signature of Contractor



**JODHPUR MUNICIPAL CORPORATION (SOUTH) JODHPUR**

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Name of Work:- Regular Operation and Maintenance of complete electric work at JMC Main Building (South)

RUIDP-2023

Schedule

"G" Sch.

S.N	CODE	PARTICULARS	Qty	Rate	Amount
1	74.9	Providing experienced and Highly skilled/skilled/ semi-skilled/Un Skilled labour for electric repair/maintenance / operation of Air conditioning/Air cooling/Fire fighting/Lift/DG set or any other electromechanical systems as per requirement (one shift of 8 Hrs per day for 26 Working Days in a month)			
	74.9.1	Highly skilled Labour	24	Labour Month 11617.00	Per Month 278808.00
	74.9.2	skilled Labour	24	Labour Month 9836.00	Per Month 236064.00
	74.1	Add for extra working on Holidays.			
	74.10.1	Highly skilled Labour	120	Labour Day 447.00	Per Day 53640.00
	74.10.2	skilled Labour	120	Labour Day 378.00	Per Day 45360.00
2	52.4	S&F following sizes of ISI marked ( IS:14927 P - II ) virgin material UPVC trunking along with accessories like coupler, inner, outer, elbow, square box, tee, end cap etc. on surface with screws, expansion fasteners as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR.			
	52.4.1	20 mm x 12 mm	100	Mtr 42.00	RM 4200.00
	52.4.2	25 mm x 12 mm	100	Mtr 51.00	RM 5100.00
3	53.1	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor as per PWD specification for electrical Works with ISI marked (IS:694) and as per IS 8130 : 2013 of 1.1 kV grade . Wire should be made from 99.90 % purity copper, class 5 stranding in acc. to IS:8130/IEC 60228 for lower watt loss . oxygen free for less chances of oxidization, insulation PVC type A/C/D , flame retardant as per IS 10810-53, better amperage rating as per IS:3961 part 5, in existing surface or recessed PVC/ MS conduit/casing capping making connections with Copper Lugs of suitable size, Ferrules,testing etc. as required. OEM Must have its own in house NABL lab setup for all testing facilities for wires. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR			
	53.1.2	2 x 1.5 sq.mm	500	Mtr 44.00	RM 22000.00
	53.1.6	2 x 2.5 sq.mm	500	Mtr 63.00	RM 31500.00
4	53.3	Supplying and drawing PE Insulated & PVC Sheathed unarmoured telephone cable with 0.5 mm dia. Solid Annealed electrolytic grade bare Copper Conductor as per IS: 8130/84 &confirming to TEC specification GR / WIR/06-03 March 2002 in existing surface or recessed conduit/casing capping. including ferruling on each pair for Identification etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR.			
	53.3.3	3 pair	150	Mtr 27.00	RM 4050.00
	53.3.4	4 pair	150	Mtr 34.00	RM 5100.00
5	53.6	Supply & drawing Wiring for sub mains ISI marked (IS:694) 1100 Volts grade PVC insulated flat twin core sheathed solid aluminium conductor with 10 SWG G.I. Support wire duly clipped etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR.			
	53.6.2	6.0 sq.mm	288	Mtr 75.00	RM 21600.00
	53.6.3	10.0 sq.mm	200	Mtr 100.00	RM 20000.00
6	53.7	SP/Laying ISI marked P.V.C. insulated submersible cable confirming to(IS:694) and as per IS 8130 : 2013 of 1.1 kV grade . Wire should be made from 99.90 % purity copper, stranding in acc. to IS:8130/IEC 60228 for lower watt loss , oxygen free for less chances of oxidization, insulation PVC type A/C/D , flame retardant as per IS 10810-53, better amperage rating as per IS:3961 part 5, existing pipe / open trench / Cable tray / on surface including making connection etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR			
	53.7.4	6.0 Sq mm 3 core flat / Round	150	Mtr 308.00	RM 46200.00
	53.7.5	10.0 Sq mm 3 core flat / Round	100	Mtr 502.00	RM 50200.00
7	E050900	Providing & Fixing of surface/recessed type 10 mm thick wood board duly antitermite treated, varnished and fixed by using gutties/ PVC fasteners of following size as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .			
	E050903	100 mm x 175 mm	40	Nos 30.00	Each 1200.00
	E050904	200 mm x 250 mm	10	Nos 45.00	Each 450.00
	E050905	250 mm x 300 mm	5	Nos 57.00	Each 285.00



S.N	CODE	PARTICULARS	Qty		Rate		Amount
8	55.1	Providing & Fixing of 240/415 V AC MCB with positive isolation of 10 kA breaking capacity (B/C/D tripping characteristic as per type of load and site requirement) 4 KV impulse withstand voltage, ISI marked IS 8828(1996) / conforming to IEC 60898-1 2002, IEC 60947-2, low watt losses, trip free mechanism, energy limiting of class 3 as per IEC, minimum phase termination capacity of 35sq.mm., conductor line load reversibility, IP 20 contact protection and fitted in existing distribution board/sheets, minimum electrical operation 20,000 upto 20 A rating and 10,000 upto 63 A, 5000 for 80 A & above rating including making connections, testing etc. as required. OEM shall have submit NABL / CPRI / ERDA accredited lab type test reports & All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR.					
	55.1.1	<b>Single pole MCB (With B/C curve tripping Characteristics)</b>					
	55.1.1.2	6 A to 32 A rating	35	Nos	192.00	Each	6720.00
	55.1.2	<b>Double pole MCB (With B/C curve tripping Characteristics)</b>					
	55.1.2.2	6 A to 32 A rating	10	Nos	580.00	Each	5800.00
	55.1.2.4	50/63 A rating	5	Nos	923.00	Each	4615.00
	55.1.4	<b>Four pole MCB (With B/C curve tripping Characteristics)</b>					
	55.1.4.2	6 A to 32 A rating	10	Nos	1254.00	Each	12540.00
	55.1.4.4	50/63 A rating	10	Nos	1789.00	Each	17890.00
9	55.2	Providing & Fixing of 240/415 V isolator ISI marked IS:13947-III/conforming to IEC 60947-3, suitable for AC22A utilization category, 4KV impulse withstand voltage, true contact indication, Red colour dolly / lever shall have single mould covering overall poles for operation, two position din rail mounting, minimum phase termination capacity of 35sq.mm. IP 20 contact protection and fitted in existing distribution board / sheet including making connections, testing etc. as required. OEM shall have submit NABL / CPRI / ERDA accredited lab type test reports & All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR.					
	55.2.1	<b>Double pole isolator</b>					
	55.2.1.1	30 A / 40 A rating	20	Nos	360.00	Each	7200.00
	55.2.1.2	63 A rating	40	Nos	464.00	Each	18560.00
	55.2.3	<b>Four pole Isolator</b>					
	55.2.3.1	40 A rating	10	Nos	800.00	Each	8000.00
	55.2.3.2	63 A rating	10	Nos	838.00	Each	8380.00
	55.2.3.3	80/100 A rating	10	Nos	981.00	Each	9810.00
10	55.10	Providing & Fixing of Recessed/surface mounting heavy duty horizontal type Double Door ( Metal / Glazed ) Distribution board with Metal end box made out from Galvanized steel / CRCA sheet not less than 1.2 mm thick conforming to IS-8623-1 & 3 / IEC 61439- 1 & 3, powder painted complete with reversible door (for double door DB only ) 100 amp. insulated copper bus bar/shorting link, copper neutral link, copper earth link, color coded interconnecting wire set of suitable rating and din bar, masking sheet, making internal DB terminations with copper lugs, Ferrules, detachable gland plate, including making connections, testing etc. as required. OEM shall have submit NABL / CPRI / ERDA accredited lab type test reports & All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	55.10.1	<b>Metal door (single phase) IK-09 and IP-43 with Metal end box</b>					
	55.10.1.2	6 Way (6+2)	1	Nos	2068.00	Each	2068.00
	55.10.1.3	8 Way (8+2)	1	Nos	2239.00	Each	2239.00
	55.10.1.4	12 Way (12+2)	1	Nos	22655.00	Each	22655.00
11	56.1	P & F ISI marked (IS:3854) 6 amp. flush type non modular switch with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material including cutting hole in tile and making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	100	Nos	24.00	Each	2400.00
12	56.2	P & F ISI marked (IS :3854) 16 amp. flush type non modular switch CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material including cutting hole in tile and making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	25	Nos	51.00	Each	1275.00
13	56.5	Providing & Fixing of ISI marked (IS :3854) non modular 6A bell push surface type CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material including making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	30	Nos	35.00	Each	1050.00
14	56.6	Providing & Fixing of ISI marked (IS :3854) twin control non modular 6A switch surface type as per PWD specification for electrical Works, made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminal & captive screws including making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	30	Nos	49.00	Each	1470.00



S.N	CODE	PARTICULARS	Qty	Rate	Amount		
15	56.10	Providing & Fixing of 3/5 pin 6 amp. flush type non modular socket made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminal with Porcelain based back cover & captive screws including cutting hole in tile and making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	70	Nos	34.00	Each	2380.00
16	56.11	Providing & Fixing of 3/6 pin 16 amp flush type non modular socket made out from Industrial grade Polycarbonate or fire resistant ABS material, brass terminal with Porcelain based back cover & captive screws including cutting hole in tile and making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	30	Nos	80.00	Each	2400.00
17	56.14	Providing & Fixing of ISI marked (IS:1293) 6 amp unbreakable 3 pin plug top having lamp indicator with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminal including making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	20	Nos	45.00	Each	900.00
18	56.15	Providing & Fixing of ISI marked (IS:1293) 16 amp unbreakable 3 pin plug top having lamp indicator with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminal including making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	20	Nos	70.00	Each	1400.00
19	56.16	Providing & Fixing of flush type non modular 2 pin telephone socket with plug top made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminals including making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	20	Nos	60.00	Each	1200.00
20	56.21	Providing & Fixing of IS 11037:1984 marked non modular socket size flush type 180 watt rotary minimum 5 step fan regulator with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material including making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	20	Nos	224.00	Each	4480.00
21	56.24	Providing & Fixing of ISI marked surface type buzzer (IS:2268-1994) with CM/L no. printed including making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	10	Nos	112.00	Each	1120.00
22	56.25	Providing & Fixing of single / multi tone electronic call bell as per PWD specification for electrical Works, including making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	10	Nos	504.00	Each	5040.00
23	55.13	P&F metal clad / Plastic industrial plug top & socket unit with pin and sleeve type contact on porcelain/ bakelite base in Recessed/surface mounting heavy duty Enclosure made out from Galvanized steel / CRCA sheet not less than 1.2 mm thick conforming to IS-8623-1 & 3 / IEC 61439- 1 & 3. powder painted (without MCB) including making connections, testing etc.as required. For additional technical parameters of product ( work refer Annexure 'A' attached with this BSR	2	Nos	1311.00	Each	2622.00
	55.13.1	20 amp, 2 pin + scrapping Earth, 1 Module					
	55.13.4	32 amp, 5 pin + scrapping Earth, 8 Module	1	Nos	2823.00	Each	2823.00
24	64.7	Providing & Fixing of BEE Star rated copper wounded double ball bearing capacitor start, aluminium body & Metallic blade ceiling fan Conforming to all the performance requirements laid down in IS 374:2019 including all amendments, as applicable; & Carry BIS licensing (i.e. ISI marking) with down rod up to 80 cm with secondary support safety cable ( steel rope ), cotter pin with 3 x 1.5 sq.mm pvc insulated flexible copper conductor making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	25	Nos	2245.00	Each	56125.00
	64.7.3	1200 mm Sweep BEE 3 Star rated (service value >=5.0 to < 5.5)					
25	64.8	Providing & Fixing of shackle (iron hook) made from 2mm nominal thick CRCA sheet and bolts (2nos) of 6mm with spring washer nut, checknut & split pin as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	10	Nos	138.00	Each	1380.00
26	64.12	Providing & Fixing of Heavy duty capacitor start, copper wound Double ball bearing 900/1400 RPM single phase Exhaust fan conforming to IS:2312 ISI marked in existing opening including making connections testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	5	Nos	3254.00	Each	16270.00
	64.12.1	300 mm sweep(900/1400 RPM)					
27	64.14	Providing & Fixing of Wall mounting / Pedestal type Heavy duty Air Circulator, Double ball bearing and with metal sturdy mesh guard; Aluminium alloy one piece blade and conforming to IS:2997, including fixing with anchor bolts, making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	6	Nos	7447.00	Each	44682.00
	64.14.1	450 mm sweep Wall mounting and three speed regulator with Minimum Air Delivery 150 Cum. / Minute					

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S.N	CODE	PARTICULARS	Qty	Rate	Amount		
28	E170100	Providing & Fixing of Fluorescent tube rod in existing fixtures as required complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/work, refer Annexure "A" attached with this BSR.					
	E170110	Flourescent powder coated					
	E170112	36/40 Watts	20	Nos	51.00	Each	1020.00
	E170120	T5 lamps					
	E170122	28 Watts	40	Nos	65.00	Each	2600.00
29	66.2	Providing & Fixing of energy efficient direct fit (Retrofit) Polycarbonate/ Glass housing SMD Mid Power LED tube rod (with integral driver & alumn. heat sink), on existing fixture. system lumen efficacy $\geq 100$ lm/Watt output, internal surge protection of 2.5 KV, THD < 20%, p.f. $\geq 0.95$ , CRI > 80, life time of minimum 35000 Burning Hours with, 70% of intial Lumen maintaned till life ends, CCT 3000°K / 4000°K / 5700°K /6000°K/6500°K (As per ANSI Bin), maximum power consumption should not more than the specified rating and Fixture shall be of BIS standard and trade mark certificate ( T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79 & LM80) certificate / Report from OEM shall be submitted. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.					
	66.2.2	1200mm, Min. Lumens output 2000 lm LED Tube rod with Polycarbonate Housing	200	Nos	277.00	Each	55400.00
30	E170400	Providing & Fixing of Ballast for existing FTL / CFL fixture as required complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/work, refer Annexure "A" attached with this BSR.					
	E170401	copper ballast 18/36 Watts suitable for FTL	5	Nos	219.00	Each	1095.00
31	E170403	High frequency electronic ballast 18/36 watts for FTL	10	Nos	255.00	Each	2550.00
	E170408	High frequency electronic ballast 28 watts for T5 Lamps	5	Nos	258.00	Each	1290.00
32	57.9	P & F Capacitors for power factor improvement in existing fluorscent lamp fixture as required.					
	57.9.1	4 Mfd 250 V	20	Nos	115.00	Each	2300.00
33	E170500	Providing & Fixing of starter for existing fluorscent lamp fixture as required complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/work, refer Annexure "A" attached with this BSR.					
	E170501	FSU	20	Nos	12.00	Each	240.00
34	66.3	Providing & Fixing of IP-20 LED Recessed / Surface Mounted, Round / Sqare SMD Mid Power LED Downlight with power coated die-cast aluminum housing with UV Stabilized non yellowish Diffuser with BIS compliance 2.5 KV surge protected Isolated driver, with Short & Open circuit protection, having efficiency > 85%. System Lumen efficacy of $\geq 110$ lm / watt, THD < 10%, PF $\geq 0.95$ , CRI > 80, life time of minimum 50000 Burning Hours with, 70% of intial Lumen maintaned till life ends, CCT 3000°K / 4000°K/ 5700°K /6000°K/6500°K (As per ANSI Bin), maximum power consumption should not more than the specified rating and Fixture shall be of BIS standard and trade mark certificate ( T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79 & LM80) certificate / Report from OEM shall be submitted. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.					
	66.3.1	Recessed Mounting					
	66.3.1.1	Minimum lumen output 330 lm	5	Nos	519.00	Each	2595.00
	66.3.1.2	Minimum lumen output 650 lm	5	Nos	692.00	Each	3460.00
	66.3.1.3	Minimum lumen output 1300 lm	10	Nos	1072.00	Each	10720.00
	66.3.1.4	Minimum lumen output 1600 lm	10	Nos	1190.00	Each	11900.00
	66.3.2	Surface Mounting					
	66.3.2.1	Minimum lumen output 650 lm	10	Nos	830.00	Each	8300.00
	66.3.2.2	Minimum lumen output 1300 lm	5	Nos	1211.00	Each	6055.00
	66.3.2.3	Minimum lumen output 1950 lm	5	Nos	1661.00	Each	8305.00
35	66.4	Providing & Fixing of IP20, 2'x2' LED Surface/ Recessed mounting Mid power SMD type LED Light fixture not less than 50mm housing depth made from CRCA sheet steel housing, high purity / transmissivity UV stabilized Non -yellowish diffuser for uniform light distribution. High efficiency with 4 KV internal/external surge protection BIS certified isolated driver having efficiency > 85%, with Short & Open circuit protection (Integral with light fixture). System lumen efficacy of $\geq 120$ lm/Watt, THD < 10%, p.f. $\geq 0.95$ , CRI > 80, life time of minimum 50000 Burning Hours with, 70% of intial Lumen maintaned till life ends, CCT 3000°K / 4000°K / 5700°K /6000°K/6500°K (As per ANSI Bin), maximum power consumption should not more than the specified rating and Fixture shall be of BIS standard and trade mark certificate ( T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79 & LM80) certificate / Report from OEM shall be submitted. All as per pre approved by Engineer in-charge. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.					
	66.4.1	Recessed Mounting					
	66.4.1.2	Minimum lumen output 3600 lm	5	Nos	2622.00	Each	13110.00
	66.4.2	Suspended Mounting/Surface Moutning					
	66.4.2.1	Minimum lumen output 3600 lm	5	Nos	2934.00	Each	14670.00



S.N	CODE	PARTICULARS	Qty	Rate	Amount		
36	66.9	Providing & Fixing of energy efficient /energy saving IP 20 LED direct retrofit Bulb in existing holder or fixture as required with system lumen efficacy $\geq 100$ lm/Watt output ,pf 0.95 , CRI >70,minimum life time of minimum 25000 Burning Hours with , 70% of intial Lumen maintained till life ends , CCT 3000°K / 4000°K / 5700°K /6000°K/6500°K (As per ANSI Bin) , maximum power consumption should not more than the specified rating and Fixture shall be of BIS standard and trade mark certificate ( T.C.) Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures (LM79/LM80) certificate / Report from OEM shall be submitted. All as per pre approved by engineer in-charge . for additional technical parameters of product/ work, refer Annexure "A" attached with this BSR.					
	66.9.3	9 Watt	10	Nos	118.00	Each	1180.00
	66.9.4	15 Watt	10	Nos	138.00	Each	1380.00
	66.9.5	18/20 Watt	10	Nos	166.00	Each	1660.00
37	E180100	Providing & Fixing of Normal / High Output High pressure sodium vapour/ Metal halide / Halogen lamp as required complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					
	E180120	HPSV Tubular lamp Normal Output					
a)	E180123	250 Watt	5	Nos	407.00	Each	2035.00
38	E180400	Providing & Fixing of vacuum pressure impregnated copper ballast suitable for HPMV / HPSV / Metal halide lamp luminaire as required complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					
	E180410	For HPMV Lamp					
	E180413	250 watt	5	Nos	1403.00	Each	7015.00
39	E180300	Providing & Fixing of Electronic ignitor suitable for HPSV/ Metal halide lamp of any rating complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR ..	5	Nos	167.00	Each	835.00
40	75.33	Rewinding of Heavy duty Exhaust fan motor including all necessary material,The motor is to be wound taking no. of coils,turns and pitch as it was originally wound with required size super enamelled wire with 'E' class insulation material and making connections etc. as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.					
a)	75.33.1	300/ 380 mm sweep	5	Nos	803.00	Each	4015.00
41	75.35	Rewinding of single phase motor of 1400 RPM including all necessary material and of the same characteristics as original with required size of super enamelled wire 'E' class insulation material and testing etc. as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.					
a)	75.35.1	0.25 H.P. To 0.50 H.P.	1	Nos	938.00	Each	938.00
	75.35.2	0.75 H.P. To 1.0 H.P.	1	Nos	1287.00	Each	1287.00
	75.35.3	2.0 H.P.	2	Nos	2125.00	Each	4250.00
42	75.1	Rewinding of ceiling fan motor (starting and running winding) including all necessary material. The motor is to be wound taking no. of coils, turns and pitch as it was originally wound with required size super enamelled wire with 'E' class insulation material and making connections etc. as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor. (New model ceiling fan)					
	75.1.1	900/1200 mm sweep (New model ceiling fan)	40	Nos	538.00	Each	21520.00
43	75.2	Labour charges for removing and refixing of Ceiling fan/ Exaust fan from site	20	Nos	69.00	Each	1380.00
44	75.3	Charges for oiling, overhauling of ceiling fan, table fan, pedestal fan irrespect to the size of fan including removing,refixing of fan from site and testing etc. as required.					
	75.3.2	Fans with Removing & Refixing at Suitable Location	20	Nos	110.00	Each	2200.00
45	75.4	Providing and Replacement of ball bearing of ceiling/ exhaust fan and refixing the same at suitable location as required and as per OEM recommendations. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.	10	Nos	268.00	Each	2680.00
46	75.5	Providing & Replacement of M.S. Shaft of ceiling fan. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.	20	Nos	158.00	Each	3160.00
47	75.17	Replacement of cooler pads (heavy) set of 3 no. of size 25" x 27"	20	Nos	103.00	Each	2060.00
48	75.30	P & F of submercible pump set suitable for 18/24 "Desert coolers.	5	Nos	316.00	Each	1580.00
49	75.31	P & F of submercible pump set suitable for 36 "Desert coolers.	2	Nos	692.00	Each	1384.00
50	75.32	P & F fan motor suitable for 20" desert cooler including making connection testing etc. as required					
	75.32.1	with copper winding Motor ISI Marked					
51	75.36	Rewinding of three phase squirrel cage induction motor of 1400 to 2800 RPM including all necessary material and of the same characteristics as original with required size of super enamelled wire 'E' class insulation material and testing etc. as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.	2	Nos	3598.00	Each	7196.00
	75.36.4	10.0 H.P.	1	Nos	6449.00	Each	6449.00



S.N	CODE	PARTICULARS	Qty		Rate		Amount
			1	Nos	9889.00	Each	
	75.36.6	15.0 H.P.					
52	60.2	Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Armoured Aluminium cable conforming to IS:1554 P-1 / IS :7098 P - 1 of 1.1 KV with H4- Grade electrolytic aluminium conductor conforming to IS 8130 of purity >99.6 %, round / flat strip armouring of cables, Inner / outer sheath conforming to IS:5831 in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench / Cable tray(with cable tie) including testing etc. as required of following size. OEM must have it's own in house NABL accredited Laboratory for testing procedure as per IS:10810.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR.					
	60.2.2.3	6.0 sqmm x 4 core	40	Mtr	170.00	RM	6800.00
	60.2.3.3	10.0 sqmm x 4 core	40	Mtr	197.00	RM	7880.00
	60.2.4.3	16 sqmm x 4 core	50	Mtr	238.00	RM	11900.00
	60.2.5.2	25.0 sqmm x 3 core	60	Mtr	250.00	RM	15000.00
53	70.1	Labour charges for installation of submersible motor pump set including lowering/ delowering of pipes, cables, accessories etc. in tube-well/ open well complete including T&P, transportation of tripod, chain pulley block & any other material required,for this purpose complete in all respect.					
	70.1.3	Delowering and Lowering	1	Nos	6853.00	Each	6853.00
54	67.18	Providing & Fixing of Street light bracket made out from following size of ' B ' class , Medium class G.I. Pipe conforming to IS : 1239 P - 1 ( 2004 ) with heavy duty pole clamp, Saddles suitable fastners etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					
	67.18.3	32 mm Dia.	5	Mtr	761.00	RM	3805.00
55	53.2	Supplying and drawing coaxial cable 75 ohm impedance with foam PE insulated solid bare copper inner conductor, and 1st outer conductor of bonded alum. tape and second outer conductor of alum. alloy braid in existing surface or recessed conduit/casing capping including making connections as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	53.2.1	RG - 6	100	Mtr	31.00	RM	3100.00
56	59.1	Providing & Fixing of ISO certified company made TP&N 415 V side handle operated double break fuse switch unit in sheet steel enclosure as per PWD specification for electrical Works conforming to IS/IEC 60947-3 : 1999 (W/O HBC fuses) including making connections with suitable lugs, testing etc. as required. Appropriate type test certificate / OEM test report shall be submitted . All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					
	59.1.1	63 A rating	1	Nos	6775.00	Each	6775.00
	59.1.2	100 A rating	1	Nos	9198.00	Each	9198.00
57	56.12	Providing & Fixing of ISI marked (IS:371) 6 amp surface type 3 pin ceiling rose with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminal & captive screws including making connection testing etc. as required.All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	10	Nos	31.00	Each	310.00
58	75.72	S & F of capacitor of 230V/ 275V, 50Hz rating of plastic casing and terminals -Lugs or copper wire.					
	75.72.1	Starting capacitor					
	75.72.1.6	120-150 micro farad	20	Nos	370.00	Each	7400.00
59	58.3	SITC of 3 /4 pole current limiting Moulded case circuit breaker (MCCB) made of flame retardant & heat resistant material having following current rating, short circuit breaking capacity at 440/415 V, 50 Hz; O/L & S/C settings , conforming to IS/IEC 60947 P -2 :2003 with front face and centralised adjustable, trip free mechanism, true contact position indicator, line load interchangeability, designed for both horizontal & vertical mounting without any adverse effect on electrical performance, suitable for operation upto 55 degree and without derating upto 40 degree, pollution degree 3, having positive isolation capability, push (test) to trip, trip time less then 10 ms under s/c condition, Breaking capacity Ics = 100% ICU. U imp =8 KV, rated insulation voltage 690 V. provision for UVR , shunt trip , earth fault trip, door interlock, pad lock & rotary handle , including making connections etc. as required.OEM shall have submit NABL / CPRI / ERDA accredited lab type test certificate before execution All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	58.3.1	3 pole MCCB With Thermal Magnetic release					
	58.3.1.2	up to 100 Amp , 25 kA, adjustable O/L & adjustable S/C setting.	2	Nos	5299.00	Each	10598.00
60	62.7	Providing & making heat shrinkable type indoor/outdoor/straight through terminations/ joint kit suitable for 11 KV / 33 KV (Earthed) cable with required components, preparation of cable ends. Type test report should be as per IS13573:2011 which covered all sequence for table 2 for termination kit and table 3 for streight through joint inclusive thermal & dynamic short circuit test, humidity test, soil fog test. Cross linking shall be done out side factory with E- beam/ peroxide technology. Extrusion process shall be in house OEM within same vicinity. including testing etc. as required of following sizes. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					
	62.7.1	11 KV End Termination Kit Indoor type					



S.N	CODE	PARTICULARS	Qty		Rate		Amount
	62.7.1.3	3 core 120/150/185 Sq.mm	1	Set	6009.00	Each	6009.00
	62.7.2	11 KV End Termination Kit Outdoor type					
	62.7.2.3	3 core 120/150/185 Sq.mm	1	Set	8265.00	Each	8265.00
61	71.24	Supply, Installation, Testing and Comissioning of Inverter type Air Cooled Hi Wall split type Air conditioners with latest star rating system as per BEE amended upto date complete with Indoor unit(IDU), Out door unit (ODU), surface / concealed copper Refrigerant piping with insulation (closed cell elastomeric nitrile rubber tubular pipe section) upto 3 Mtr (IDU to ODU), copper power cable upto 3.5 Mtr (IDU to ODU), R-32/R-410 Green Refrigerant, wireless Remote control, suitable for working between 230V +/- 10% with low & high voltage cutoff and 50 hz , single phase AC supply capable of performing cooling, dehumidification, air circulation of following capacity with Scroll / rotary compressor. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					
	71.24.5	1.8 TR ISEER not less then 3.8	2	Nos	63940.00	Each	127880.00
	71.24.7	2.0 TR ISEER not less then 3.8	5	Nos	65324.00	Each	326620.00
62	71.57	SITC of Interconnecting refrigerant copper pipe for split/Ductable/ Casseette AC of DIIH Grade C12200- ASTM B68, B75, chemical composition of copper %- 99.0 Min and Phosphorus %- 0.015 to 0.040 . For Annealed copper tube :- Tensile strength = 210 Mpa with elongation % = 40 Min . Ink Mark Brand Printing on Hard Tubes should be present. Piping between each set of indoor & outdoor units of different sizes as per OEM requirement & specifications including class 'O' Nitrile rubber sleeves, chase cutting, supports, making good the same with sand cement plaster etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	20	kg	2037.00	Per KG	40740.00
63	57.10	Providing & Fixing of Electrical insulating rubber mats as per PWD specification for electrical Works, ISI marked confirming to IS: 15652 / 2006 with one side anti skid abberation marks and pasting the mat with synthetic rubber adhesive as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					
	57.10.2	11 KV, Class B 2.5 mm thick with proof voltage 22 KV AC (rms) and Break Down Voltage 45 KV AC (rms)	8	Sqmtr	2094.00	RM	16752.00
64	71.53	Dismantling of split air conditioner of any capacity/any type including existing indoor unit & outdoor unit , refrigerant piping , connecting cables , drain pipe etc. including shifting of dismantaled material to store complete as required.	10	Job	959.00	Each joch	9590.00
65	E232600	Replacement of existing transformer oil confirming to IS: 335 after removing of old oil and remove from site (old oil shall be retained by the contractor)	100	ltr	92.00	Per Ltr	9200.00
66	75.15	Servicing and overhauling of 20" sweep desert cooler including oiling, greasing, painting of tank from inside with rubber paint after properly desmantling each assembly and refixing the same as required.	10	Nos	253.00	Each	2530.00
67	75.16	Painting of desert cooler with two coats of rubber paint inside of water tank and two coat of synthetic enamelled paint on both side of cooler body, fan body, grills etc.after cleaning with sand paper, complete in all respect as required.	20	Nos	439.00	Each	8780.00
68	75.29	P & F of ISI marked vertical pump suitable for 20" desert cooler including making connection testing etc. as required.					
	75.29.1	ISI marked vertical pump	2	Nos	556.00	Each	1112.00
	75.3	P & F of submercible pump set suitable for 18/24 "Desert coolers	5	Nos	316.00	Each	1580.00
	75.31	P & F of submercible pump set suitable for 36 "Desert coolers.	5	Nos	692.00	Each	3460.00
69	75.42	Supplying and charging of fresh refrigerant and testing of performance of air conditioner/ fridge/ water cooler of following capacity including capillary and strainer/ filter.					
	75.42.2	1.5 TR Window/ Split A.C.	10	Nos	2467.00	Each	24670.00
	75.42.3	2.0 TR Window/ Split A.C.	50	Nos	3153.00	Each	157650.00
	75.42.5	60/120 Ltr. Water cooler	4	Nos	2194.00	Each	8776.00
	75.42.6	150/150 Ltr. Water cooler	4	Nos	2605.00	Each	10420.00
70	75.43	Replacement of defective compressor by company repaired compressor as per OEM recommendations of following gadgets including testing etc. as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.					
	75.43.2	1.5 TR A.C.	2	Nos	12336.00	Each	24672.00
	75.43.3	2.0 TR A.C.	8	Nos	13021.00	Each	104168.00
	75.43.5	60/120 Ltr. Water cooler	2	Nos	8155.00	Each	16310.00
	75.43.6	150/150 Ltr. Water cooler	4	Nos	8841.00	Each	17682.00
71	75.44	P & Replacement of condensing/ cooling coil of copper fins for following capacity A.C./ Water cooler/ Fridge as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.					
	75.44.2	1.5 TR A.C.	5	Nos	3700.00	Each	18500.00
	75.44.3	2.0 TR A.C.	10	Nos	4112.00	Each	41120.00
	75.44.5	60/120 Ltr. Water cooler	4	Nos	3016.00	Each	12064.00
	75.44.6	150/150 Ltr. Water cooler	5	Nos	3289.00	Each	16445.00
72	75.45	Servicing of 1.0/1.5/2.0 TR capacity Split/ Window type air conditioner	60	Nos	686.00	Each	41160.00
73	75.46	P & Replacement of overload protection of A.C./ Water cooler as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.	5	Nos	480.00	Each	2400.00



S.N	CODE	PARTICULARS	Qty		Rate		Amount
74	75.47	P & Replacement of thermostat of A.C./ Water cooler/fridge as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.	10	Nos	411.00	Each	4110.00
75	75.48	P & Replacement of selector switch of 1.0/1.5/2.0 TR A.C Fan as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.	10	Nos	123.00	Each	1230.00
76	75.49	P & Replacement of starting relay of A.C/water cooler/fridge compressor as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.	10	Nos	480.00	Each	4800.00
77	75.71	P & Replacement of fan motor of evaporator/ condensor complete as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.	5	Nos	2125.00	Each	10625.00
<b>TOTAL OF ("G" Sch. )</b>							<b>2499893.00</b>
<b>say</b>							<b>25.00 lacs</b>

- 1 Complete maintenance of electric works, DG Sets, EPBAX system at JMC Main Building
- 2 Required needful Maintenance with all defective replacement of accessories. Maintain supply from source to load, including all type wiring, panel, junction box, circuit board etc. Locate and remove electric & other fault
- 3 Required maintenance and replacement all defective accessories sub-station transformer with major and minor fault and remove fault and with servicing. (Required oil & Major defect will be pay extra as per actual basis)
- 4 Operation, maintenance of existing DG silent set with AMF panel including minor locate defect and remove timely, maintain fuel level etc. as per direction of engineering incharge. Excluding in case whenever develop major fault must be repaired and remove by authorities expert person and actual payment paid extra as original but it's liability for maintain timely.(Diseal & Oil supplied by JMC on requirement & demand including transportation upto JMC patrol pump)
- 5 Required maintenance and replacement all defective accessories submersible/monoblock water pump set with starter panel and wiring etc. as per direction of engineering incharge. excluding in case whenever develop major fault must be repaired and remove by authorities expert person and actual payment paid extra as original but it's liability for maintain timely.
- 6 Regularly maintain of existing fan, exhaust fan, cooler, AC, Water cooler minor fault and service in all respect. As per direction of engineering incharge. excluding in case whenever develop major fault must be repaired and remove by authorities expert person and actual payment paid extra as original but it's liability for maintain timely
- 7 Contractor must provide qualified, skilled and insured one wiremen cum electrician with helper with required all tools and safety equipments. Team are available at JMC main office in 2 roaster (06 AM to 02 PM & 02 PM to 10 PM, 7 day) and work will be executed as per requirement and direction engineer in charge.
- 8 **Terms and condition:-** 1- If contractor is failed to engage required qualifid and insured wireman, helper in prescribe time plenty will be charged and treated as no work no payment.  
2- If any required replacement and work as per "G" Sch. items Must be executed after taking permission and direction from engineering incharge.  
3- In case of major fault and mishappening by the contractor worker than contractor will be punished and liable for damage.  
4- There is no excusable expection for maintain and maintenance against this work.

  
**XEN(Elect)**  
**JMC**

I agree to do above "G" Schedule work @ ..... above/below on RUIDP 2023 electric with JMC terms and conditions..

Signature of Contractor



# Nagar Nigam (South), Jodhpur

Name of work:-

Regular Operation and Maintenance 80KW Solar System at JMC Building

(19)

RUIDP 2023 and PWD2022

Schedule

Part A ("G" Schedule)

S.n.	CODEno	PARTICULARS	QTY.		RATE		AMOUNT
1	76.1	Supply, installation testing and commissioning of MNRE approved Grid tied Solar Panels with inverter, meter, cable etc. suitable for Rooftop installation as well as Utility Scale Solar Power Projects with 25 years of linear generation warranty, Work includes designing of solar panel area and MS frame and foundation on ground/roof of Pump house or CWR, showing arrangement of panel in available space. Installation of PV module on MS frame as per approved design and drawings. Mounting structure shall be suitably designed to withstand wind velocity up to 150km/hr. Grid Tie Transformer less inverters, Multiple independent MPPTs, Peak efficiency of >98%. Connect up to multiple strings PV arrays. Easy & fast connection, Built in string level monitoring, IP 65 protection level, Wi-Fi/ internet based remote monitoring with 5 years warranty. All cabling up to panel and metre, earthing etc. required accessories and taxes are inclusive. The work shall be executed as per detailed technical specifications, approved drawing and direction of Engineer in-charge. Note: There shall be 5 year service warranty for panel, inverter meter, cable etc, and suitable provision shall be included in tender document					
	76.1.1	Solar panels up to 10 KW at a single location	1900	Watt	60.00	Per Watt	114000.00
<b>Total (G-Schedule)</b>							<b>114000.00</b>

Part B ("H" Schedule)

S.n.	CODEno	PARTICULARS	QTY.		RATE		AMOUNT
1		Complete Operation and Maintenance of 80KW Solar Power Plant at Nigam Nigam Building. Regular cleaning of Solar Panel, frequent Maintenance of Thermal based component, yearly Service of HT Side equipment diagnostic testing, for low power production circuit testing IV curve tracking, testing imaging, earth valve measurement, rectro commissioning, data acquisition system check as per direction of engineering In-charge.	12	Nos		Job per Month	
<b>Total (H-Schedule)</b>							

  
XEN(Elect)  
JMC

I agree to do above "G" Schedule work @ ..... above/below on RUIDP 2023 electric with JMC terms and conditions..  
H-Schedule Item -1.....Each

Signature of Contractor

# JODHPUR MUNICIPAL CORPORATION (South), JODHPUR

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**Work: Hire for Temporary Lighting in JMC South Area ( Yearly Contact )**

RUIDP 2023

**Schedule**

Part A ( "G" Schedule )

S.No.	Code	Item	Qty	Unit	Rate	Amount
1	74.1	Hire charges for LED Flood light luminaire ( white or warm white as required )for 90- 150 watt with the standard housing ,pole & mounting accessories with wiring, connection with skilled operator to operate system as and when etc as required. (If work continue for more then one day , rates for next subsequent days will be 50% of the original rates.)				
		74.1.1 With suitable pole	500	Nos	260.00	Each P. Day 130000.00
		74.1.2 With out pole	100	Nos	174.00	Each P. Day 17400.00
2	74.2	Hire charges for LED Flood light luminaire ( white or warm white as required) for 200- 250 watt with the standard housing ,pole & mounting accessories with wiring, connection with skilled operator to operate system as and when etc as required. (If work continue for more then one day , rates for next subsequent days will be 50% of the original rates.)				
		74.1.1 With suitable pole	1000	Nos	347.00	Each P. Day 347000.00
		74.1.2 With out pole	250	Nos	260.00	Each P. Day 65000.00
3	74.3	Hire charges for weather proof round LED Rope/neon flex LED / Flexible strip type LED having 2 to 5 watts/meter capacity and consisting suitable power adapter with mains , switchgear etc complete with connection with skilled operator to operate system as and when etc as required. (If work continue for more then one day , rates for next subsequent days will be 50% of the original rates.)	4000	Nos	8.00	Mtr/day 32000.00
4	74.4	Hire charges for IP 66 protected programmable RGB LED flood light with alluminium alloy housing and having 180 degree bracket adjustment complete with driver switchgear , wiring, connection , testing etc. with skilled operator to operate system as and when etc as required. (If work continue for more then one day , rates for next subsequent days will be 50% of the original rates.)				
		74.4.1 100 watt	100	Nos	522.00	Each P. Day 52200.00
		74.4.2 150 watt	150	Nos	590.00	Each P. Day 88500.00
5	74.11	Charges for Providing of experienced and Highly skilled/ skilled/semi-skilled/ Un skilled labour for electric repair/ maintenance/operation of any other electromechanical services/ systems as required.( One shift of 8 Hours per day )				
		74.11.2 Skilled Labour	10	Shift	378.00	Each P. Day 3780.00
		74.11.3 Semi Skilled Labour	10	Shift	362.00	Each P. Day 3620.00
6	74.15	Hire charges for 500/1000 Watt halogen flood luminaire(with lamp) with skilled operator to operate system as and when etc as required. (If work continue for more then one day , rates for next subsequent days will be 50% of the original rates.)				
		74.15.1 With suitable pole	20	Nos	43.00	Each P. Day 860.00
		74.15.2 With out pole	20	Nos	26.00	Each P. Day 520.00
7	74.17	Hire charges for light point complete with lamp,holder,wiring in casing or in PVC conduit , controlling switch and circuit protection MCB's with skilled operator to operate system as and when etc as required. for shops/ stalls etc. (If work continue for more then one day , rates for next subsequent days will be 50% of the original rates.)	20	Nos	70.00	Each P. Day 1400.00



8	74.18	Hire charges for power/light plug on board incl. wiring in PVC casing or in PVC conduit , controlling switch and circuit protection MCB's with skilled operator to operate system as and when etc as required. for shops/ stalls etc. (If work continuee for more then one day , rates for next subsequent days will be 50% of the original rates.)	700	Nos	105.00	Each P. Day	73500.00
9	74.21	Hire charges of niwar patti with skilled operator to operate system as and when etc as required. (If work continuee for more then one day , rates for next subsequent days will be 50% of the original rates.)					
	74.21.2	niwar patti 50 no. 0.25 v LED miniature lamps.	10000	Nos	21.00	Each P. Day	210000.00
10	74.22	Hire charges for LED tube light fixture with 18/20 watt with skilled operator to operate system as and when etc as required. (If work continuee for more then one day , rates for next subsequent days will be 50% of the original rates.)	20	Nos	35.00	Each P. Day	700.00
11	74.23	Hire charges for Light fixture with CFL 9 / 11/ 13 / 15 watt with skilled operator to operate system as and when etc as required. (If work continuee for more then one day , rates for next subsequent days will be 50% of the original rates.)	10	Nos	70.00	Each P. Day	700.00
12	74.24	Hire charges for LED bulb 6 watt to 13 watt of white/ warm white colour etc. mounted on wooden batten/niwar patti or in holder (with required CCT )as per choice of client or engineer in-charge complete with wiring etc with skilled operator to operate system as and when etc as required. (If work continuee for more then one day , rates for next subsequent days will be 50% of the original rates.)	20	Nos	10.00	Each P. Day	200.00
13	74.25	Hire charges for 250/400 watt metal halide luminaire with lamp and pole of required height with skilled operator to operate system as and when etc as required. (If work continuee for more then one day , rates for next subsequent days will be 50% of the original rates.)	10	Nos	130.00	Each P. Day	1300.00
14	74.27	Hire charges for Silent type D.G. Set, including change over switch. Control panel etc. and excluding POL with skilled operator to operate system as and when etc as required. of following capacity:					
	74.27.2	40 KVA	5	Nos	3996.00	Each P. Day	19980.00
	74.27.3	62.5 KVA	200	Nos	5213.00	Each P. Day	1042600.00
	74.27.5	125 KVA	10	Nos	8689.00	Each P. Day	86890.00
15	74.28	Hire charges of Main service line for 3 phase connection upto 50 mtr. Length (without any joint) including meter board, panel/distribution Board and supports with skilled operator to operate system as and when etc as required. (If work continuee for more then one week , rates for next subsequent weeks will be 50% of the original rates.)					
	74.28.1	Upto 25.0 sq.mm size PVC insulated and Sheathed cable(Armoured or Un-armoured as required.)	50	Nos	260.00	Each P. Week	13000.00
	74.28.2	above 25.0 sq.mm & upto 95 Sq.mm PVC insulated and Sheathed cable(Armoured or Un-armoured as required.)	50	Nos	391.00	Each P. Week	19550.00
	74.28.3	above 95.0 sq.mm PVC insulated and Sheathed cable(Armoured or Un-armoured as required.)	11	Nos	695.00	Each P. Week	7645.00
16	74.29	Hire charges of Sub service line for single/ three phase connection upto 30 mtr. Length including dist. Board and supports with skilled operator to operate system as and when etc as required. (If work continuee for more then one week , rates for next subsequent weeks will be 50% of the original rates.)					
	74.29.1	Single phase upto 6 Sqmm PVC insulated and Sheathed cable	100	Nos	70.00	Each P. Week	7000.00
	74.29.2	Three phase & neutral upto 10 Sqmm PVC insulated and Sheathed cable	50	Nos	139.00	Each P. Week	6950.00
17	74.31	Hire charges for pedestal fan of size 18" / ceiling fan of size 48"/56" sweep including connections etc.with skilled operator to operate system as and when etc as required. (If work continuee for more then one day , rates for next subsequent	104	Nos	87.00	Each P. Day	9048.00

18	74.32	Supply and filling of POL for DG sets	16000	KVA	17.00	KVA/Hour	272000.00	
19	74.34	Hire charges for Mist Fan complete with required connections and operator with skilled operator to operate system as and when etc as required. (If work continue for more then one day , rates for next subsequent days will be 50% of the original rates.)	10	Nos	869.00	Each P. Day	8690.00	
20	74.35	Hire charges for Jumbo polycarbonate/fiber body moveable desert cooler complete with water filling and operator with skilled operator to operate system as and when etc as required. (If work continue for more then one day , rates for next subsequent days will be 50% of the original rates.)	150	Nos	1217.00	Each P. Day	182550.00	
21	74.36	Hire charges for following type of Airconditioners including copper piping , drain piping and electrical connections with skilled operator to operate system as and when etc as required. (If work continue for more then one day , rates for next subsequent days will be 50% of the original rates.)						
	74.36.4	5.0/5.5 TR ductable type Split AC	5	Nos	9823.00	Each P. Day	49115.00	
22	74.47	Hire charges for spot /palican lights (1000 watt) for stage function with dimmer as required. (If work continue for more then one day , rates for next subsequent days will be 50% of the original rates.)	20	Nos	347.00	Each P. Day	6940.00	
23	74.48	Hire charges for colour effect scanners for stage functions with skilled operator to operate system as and when etc as required. (If work continue for more then one day , rates for next subsequent days will be 50% of the original rates.)	300	Nos	1912.00	Each P. Day	573600.00	
24	74.49	Hire charges for jumbo strove light for stage functions with skilled operator to operate system as and when etc as required. (If work continue for more then one day , rates for next subsequent days will be 50% of the original rates.)	10	Nos	1217.00	Each P. Day	12170.00	
25	74.51	Hire charges for High Lumens LCD Projectors with operator ( 3500 Lumens ) and projector screen of size 8' X 6' with skilled operator to operate system as and when etc as required. (If work continue for more then one day , rates for next subsequent days will be 50% of the original rates.)	5	Nos	2607.00	Each P. Day	13035.00	
26	74.52	Hire charges for Medium Lumens LCD Projectors with operator ( 2500 Lumens ) and projector screen of size 8' X 6' with skilled operator to operate system as and when etc as required. (If work continue for more then one day , rates for next subsequent days will be 50% of the original rates.)	5	Nos	2085.00	Each P. Day	10425.00	
27	74.5	Hire Charges for LED Screen Day light type of suitable size for Display complete with mounting arrangement/scaffolding, masking of mounting stand, signal booster, network switch /splitter, data and power cables and sound system arrangement etc. with skilled operator to operate system as and when etc as required. (If work continue for more then one day , rates for next subsequent days will be 50% of the original rates.)	480	Sq ft	271.00	Sqft/day	130080.00	
Total (Rs.) Part A								3499948.00
Say (Rs.)								35.00 Lacs

  
 XEN(Elect)  
 JMC

I agree to do above "G" Schedule work @ ..... above/below on RUIDP 2023 electric with JMC terms and conditions..

Signature of Contractor



**JODHPUR MUNICIPAL CORPORATION (SOUTH) JODHPUR**

Name of Work:- Regular Operation and Maintenance of complete electric work at Other JMC Buildings (South)

**SCHEDULE**

**"H" Schedule(Part-A)**

S.N	PARTICULARS	Qty	Unit	Rate	Unit	Amount
1	A) Complete maintenance of electric works at other office building of Nagar Nigam a) Required needful Maintenance with all defective replacement of accessories. Maintain supply from source to load, including all type wiring, panel, junction box, circuit board etc. Locate and remove electric & other fault b) Required maintenance and replacement all defective accessories sub-station transformer with major and minor fault and remove fault and with servicing (Required oil & Major defect will be pay extra as per actual basis) c) Required maintenance and replacement all defective accessories submersible/monoblock water pump set with starter panel and wiring etc. as per direction of engineering incharge excluding in case whenever develop major fault must be repaired and remove by authorities expert person and actual payment paid extra as original but it's liability for maintain timely. d) Regularly maintain of existing fan, exhaust fan, cooler, minor fault and service in all respect. As per direction of engineering incharge. excluding in case whenever develop major fault must be repaired and remove by authorities expert person and actual payment paid extra as original but it's liability for maintain timely e) Contractor must provide qualified, skilled and insured one wiremen cum electrician with helper with required all tools and safety equipments. and work will be executed as per requirement and direction engineer in charge. Whenever if needed for more works, labours must be provided within time Terms and condition:- 1- If contractor is failed to engage required qualifid and insured wireman, helper in prescribe time plenty will be charged and treated as no work no payment. 2- If any required replacement and work as per "G" Sch. items Must be executed after taking permission and direction from engineering incharge. 3- In case of major fault and mishappening by the contractor worker than contractor will be punished and liable for damage. 4- There is no excusable expection for maintain and maintenance against this work	1	team		Per team	
<b>Total for one month ("H" Schedule)</b>						
<b>For 12 Months (Part-A)</b>						

**"G" Sch. (Part-B)**

S.n	CODE	PARTICULARS	QTY	Rate	Amount
1	52.4	S&F following sizes of ISI marked ( IS:14927 P - II ) virgin material UPVC trunking along with accessories like coupler, inner, outer, elbow, square box, tee, end cap etc. on surface with screws, expansion fasteners as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR			
	52.4.1	20 mm x 12 mm	50	Mtr 42.00	RM 2100.00
	52.4.2	32 mm x 12 mm	50	Mtr 51.00	RM 2550.00
2	53.1	Supplying and drawing FK PVC insulated & unsheathed flexible copper conductor as per PWD specification for electrical Works with ISI marked (IS:694) and as per IS 8130 : 2013 of 1.1 kV grade . Wire should be made from 99.90 % purity copper, class 5 stranding in acc. to IS:8130/IEC 60228 for lower watt loss , oxygen free for less chances of oxidization, insulation PVC type A/C/D , flame retardant as per IS 10810-53, better amperage rating as per IS:3961 part 5, in existing surface or recessed PVC/ MS conduit/casing capping making connections with Copper Lugs of suitable size, Ferrules, testing etc. as required. OEM Must have its own in house NABL lab setup for all testing facilities for wires. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR			
	53.1.2	2 x 1.5 sq.mm	2000	Mtr 44.00	RM 88000.00
	53.1.6	2 x 2.5 sq.mm	1000	Mtr 63.00	RM 63000.00
3	53.3	Supplying and drawing PE Insulated & PVC Sheathed unarmoured telephone cable with 0.5 mm dia. Solid Annealed electrolytic grade bare Copper Conductor as per IS: 8130/84 &confirming to TEC specification GR / WIR/06-03 March 2002 in existing surface or recessed conduit/casing capping. including ferruling on each pair for Identification etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR			
	53.3.3	3 pair	50	Mtr 27.00	RM 1350.00
	53.3.4	4 pair	50	Mtr 34.00	RM 1700.00
4	53.6	53.6 Supply & drawing Wiring for sub mains ISI marked (IS 694) 1100 Volts grade PVC insulated flat twin core sheathed solid aluminium conductor with 10 SWG G.1. Support wire duly clipped etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR .			
	53.6.2	6.0 sq mm	500	Mtr 75.00	RM 37500.00
	53.6.3	10.0 sq mm	250	Mtr 100.00	RM 25000.00
5	53.7	P/Laying ISI marked P.V.C. insulated submersible cable confirming to (IS:694) and as per IS 8130 : 2013 of 1.1 kV grade . Wire should be made from 99.90 % purity copper, stranding in acc. to IS:8130/IEC 60228 for lower watt loss , oxygen free for less chances of oxidization, insulation PVC type A/C/D , flame retardant as per IS 10810-53, better amperage rating as per IS 3961 part 5, existing pipe / open trench / Cable tray / on surface including making connection etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR			
	53.7.4	6.0 Sq mm 3 core flat / Round	100	Mtr 308.00	RM 30800.00
	53.7.5	10.0 Sq mm 3 core flat / Round	100	Mtr 502.00	RM 50200.00
6	E050900	Providing & Fixing of surface/recessed type 10 mm thick wood board duly antitermite treated, varnished and fixed by using gutties/ PVC fasteners of following size as required All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .			
	E050903	100 mm x 175 mm	10	Nos 30.00	Each 300.00
	E050904	200 mm x 250 mm	10	Nos 45.00	Each 450.00
	E050905	250 mm x 300 mm	10	Nos 57.00	Each 570.00



7	55.1	Providing & Fixing of 240/415 V AC MCB with positive isolation of 10KA breaking capacity (B/C/D tripping characteristic as per type of load and site requirement) 4 KV impulse withstand voltage, ISI marked IS 8828(1996) / conforming to IEC 60898-1 2002, IEC 60947-2, low watt losses, trip free mechanism, energy limiting of class 3 as per IEC, minimum phase termination capacity of 35sq mm., conductor line load reversibility, IP 20 contact protection and fitted in existing distribution board/sheets, minimum electrical operation 20,000 upto 20 A rating and 10,000 upto 63 A, 5000 for 80 A & above rating including making connections, testing etc. as required. OEM shall have submit NABL / CPRI / ERDA accredited lab type test reports & All as per pre approved by Engineer in charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	55.1.1	<b>Single pole MCB</b>					
	55.1.1.2	6 A to 32 A rating	50	Nos	192.00	Each	9600.00
	55.1.2	<b>Double pole MCB</b>					
	55.1.2.2	6 A to 32 A rating	10	Nos	580.00	Each	5800.00
	55.1.2.4	50/63 A rating	15	Nos	923.00	Each	13845.00
	55.1.4.2	<b>Four pole MCB</b>					
	55.1.4.2	6 A to 32 A rating Each	10	Nos	1254.00	Each	12540.00
	55.1.4.4	50/63 A rating Each	10	Nos	1789.00	Each	17890.00
8	55.2	Providing & Fixing of 240/415 V Isolator ISI marked IS.13947-1I/conforming to IEC 60947-3, suitable for AC22A utilization category, 4KV impulse withstand voltage, true contact indication, Red colour dolly / lever shall have single mould covering overall poles for operation, two position din rail mounting, minimum phase termination capacity of 35sq mm. IP 20 contact protection and fitted in existing distribution board / sheet including making connections, testing etc. as required. OEM shall have submit NABL / CPRI / ERDA accredited lab type test reports & All as per pre approved by Engineer in-charge For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	55.2.1	<b>Double pole isolator</b>					
	55.2.1.1	30 A / 40 A rating	10	Nos	360.00	Each	3600.00
	55.2.1.2	63 A rating	10	Nos	464.00	Each	4640.00
	55.2.3	<b>Four pole Isolator Each Each</b>					
	55.2.3.1	40 A rating	10	Nos	800.00	Each	8000.00
	55.2.3.2	63 A rating	10	Nos	838.00	Each	8380.00
	55.2.3.3	80 A / 100 A rating	10	Nos	981.00	Each	9810.00
9	55.10	Providing & Fixing of Recessed surface mounting heavy duty horizontal type Double Door ( Metal / Glazed )Distribution board with Metal end box made out from Galvanized steel / CRCA sheet not less than 1.2 mm thick conforming to IS-8623-1 & 3 / IEC 61439-1 & 3, powder painted complete with reversible door (for double door DB only)100 amp. insulated copper bus bar/shorting link, copper neutral link, copper earth link, color coded interconnecting wire set of suitable rating and din bar,masking sheet, making internal DB terminations with copper lugs, Ferrules, detachable gland plate, including making connections, testing etc. as required. OEM shall have submit NABL / CPRI / ERDA accredited lab type test reports & All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	55.10.1	<b>Metal door (single phase) IK-09 and IP-43 with Metal end box</b>					0.00
	55.10.1.1	4 Way (4+2)					0.00
	55.10.1.2	6 Way (6+2)	2	Nos	1840.00	Each	3680.00
	55.10.1.3	8 Way (8+2)	2	Nos	2068.00	Each	4136.00
10	56.1	P & F ISI marked (IS:3854) 6 amp. flush type non modular switch with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material including cutting hole in tile and making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR	100	Nos	24.00		2400.00
11	56.2	P & F ISI marked (IS :3854) 16 amp. flush type non modular switch CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material including cutting hole in tile and making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR	50	Nos	51.00	Each	2550.00
12	56.5	Providing & Fixing of ISI marked (IS :3854) non modular 6A bell push surface type CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material including making connection testing etc. as required All as per pre approved by Engineer in-charge For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR	30	Nos	35.00	Each	1050.00
13	56.6	Providing & Fixing of ISI marked (IS :3854) twin control non modular 6A switch surface type as per PWD specification for electrical Works, made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminal & captive screws including making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR	30	Nos	49.00	Each	1470.00
14	56.1	Providing & Fixing of 3/5 pin 6 amp. flush type non modular socket made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminal with Porcelain based back cover & captive screws including cutting hole in tile and making connection testing etc. as required All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	100	Nos	34.00	Each	3400.00
15	56.11	Providing & Fixing of 3/6 pin 16 amp flush type non modular socket made out from Industrial grade Polycarbonate or fire resistant ABS material, brass terminal with Porcelain based back cover & captive screws including cutting hole in tile and making connection testing etc as required All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	30	Nos	80.00	Each	2400.00
16	56.14	Providing & Fixing of ISI marked (IS 1293) 6 amp unbreakable 3 pin plug top having lamp indicator with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminal including making connection testing etc as required All as per pre approved by Engineer in-charge For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	30	Nos	45.00	Each	1350.00
17	56.15	Providing & Fixing of ISI marked (IS 1293) 16 amp unbreakable 3 pin plug top having lamp indicator with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminal including making connection testing etc. as required All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.	30	Nos	70.00	Each	2100.00



18	56.16	Providing & Fixing of flush type non modular 2 pin telephone socket with plug top made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminals including making connection testing etc. as required All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	10	Nos	60.00	Each	600.00
19	56.21	Providing & Fixing of IS 11037.1984 marked non modular socket size flush type 180 watt rotary minimum 5 step fan regulator with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material including making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	20	Nos	224.00	Each	4480.00
20	56.24	Providing & Fixing of ISI marked surface type buzzer (IS:2268-1994) with CM/L no. printed including making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	5	Nos	112.00	Each	560.00
21	56.25	Providing & Fixing of single / multi tone electronic call bell as per PWD specification for electrical Works, including making connection testing etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR	5	Nos	504.00	Each	2520.00
22	E060900	E060900 Providing & Fixing of metal clad industrial plug top & socket unit with pin and sleeve type copper contact on porcelain/ bakelite base insheet steel( CRCA ) powed coated enclosure as per PWD specification for electrical Works conforming to Is 8623 & IEC 61439-3 (without MCB) including , all as per pre approved by Engineer in charge,making connections,, testing etc as required OEM shall have submit NABL / CPRI / ERDA accredited lab test reports before execution & All as per pre approved by Engineer in charge For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR					
	E060910	20A Double pole (Single phase three pin)	10	Nos	820.00	Each	8200.00
	E060912	30A-32A(Three Phase Three Pole)	10	Nos	1752.00	Each	17520.00
23	64.7	Providing & Fixing of BEE Star rated copper wound double ball bearing capacitor start, aluminium body & Metallic blade ceiling fan Conforming to all the performance requirements laid down in IS 374 2019 including all amendments, as applicable ; & Carry BIS licensing (i.e. ISI marking) with down rod up to 80 cm with secondary support safety cable ( steel rope ) , cotter pin with 3 x 1.5 sq.mm pvc insulated flexible copper conductor making connection testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR					
	64.7.3	1200 mm Sweep BEE 3 Star rated (service value >=5.0 to <5.5 )	50	Nos	2245.00	Each	112250.00
24	64.8	Providing & Fixing of shackle (iron hook) made from 2mm nominal thick CRCA sheet and bolts (2nos) of 6mm with spring washer nut, checknut & split pin as required. All as per pre approved by Engineer -incharge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR	30	Nos	138.00	Each	4140.00
25	64.12	Providing & Fixing of Heavy duty capacitor start, copper wound Double ball bearing 900/1400 RPM single phase Exhaust fan conforming to IS:2312 ISI marked in existing opening including making connections testing etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					
	64.12.1	300 mm sweep(900/1400 RPM)	15	Nos	3254.00	Each	48810.00
26	E151200	Providing & Fixing of capacitor start, copper wound, metal body, metal blade three speed wall mounting fan of following sweep with the help of anchor bolts including making connection testing etc. as required OEM shall be an ISO certified company. Appropriate OEM test certificate shall be submitted by contractor. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR					
a)	E151201	400 mm sweep(Oscillating type)	20	Nos	2118.00	Each	42360.00
27	E170100	Providing & Fixing of Fluorscent tube rod in existing fixtures as required complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					
	E170110	Fluorscent powder coated					
a)	E170112	36/40 Watts	20	Nos	51.00	Each	1020.00
b)	E170120	T5 lamps					
c)	E170122	28 Watts	20	Nos	65.00	Each	1300.00
28	66.1	Providing & Fixing of 1P20 SMD Mid Power LED batten type integrated light fixture made from Powder coated Extruded aluminium housing with in built driver , System lumen efficacy ≥ 110 lm/Watt output, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P. F.≥0.95, CRI>80 , life time of minimum 50000 Burning Hours with , 70% of intial Lumen maintained till life ends , CCT 3000°K / 4000°K / 5700°K /6000°K/6500°K (As per ANSI Bin) , Maximum power consumption should not more than the specified rating and Fixture shall be of BIS standard and trade mark certificate ( T.C. ) . Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79 & LM80) certificate / Report from OEM shall be submitted. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					
	66.1.1	1170mm(+/-10%) LED batten with min. lumen output 2200 lm	350	Nos	504.00	Each	176400.00
29	E170400	Providing & Fixing of Ballast for existing FTL / CFL fixture as required complete in all respect All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR					
a)	E170401	copper ballast 18/36 Watts suitable for FTL	10	Nos	219.00	Each	2190.00
	E170403	High frequency electronic ballast 18/36 watts for FTL	10	Nos	255.00	Each	2550.00
	E170408	High frequency electronic ballast 28 watts for T5 Lamps	20	Nos	258.00	Each	5160.00
31	57.9	P & F Capacitors for power factor improvement in existing fluorscent lamp fixture as required					
a)	57.9.1	4 Mfd 250 V	10	Nos	115.00	Each	1150.00
32	E170500	Providing & Fixing of starter for existing fluorscent lamp fixture as required complete in all respect All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR					
a)	E170501	FSU	10	Nos	12.00	Each	120.00



33	66.3	Providing & Fixing of IP-20 LED Recessed / Surface Mounted, Round / Square SMD Mid Power LED Downlight with power coated die-cast aluminum housing with UV Stabilized non yellowish Diffuser with BIS compliance 2.5 KV surge protected Isolated driver, with Short & Open circuit protection, having efficiency > 85% System Lumen efficacy of $\geq 110$ lm / watt, THD < 10% , $Pf \geq 0.95$ , CRI > 80, life time of minimum 50000 Burning Hours with , 70% of initial Lumen maintained till life ends , CCT 3000°K / 4000°K/ 5700°K /6000°K/6500°K (As per ANSI Bin) , maximum power consumption should not more than the specified rating and Fixture shall be of BIS standard and trade mark certificate ( T.C.) Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79 & LM80) certificate / Report from OEM shall be submitted. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					
	66.3.1	Recessed Mounting					
	66.3.1.1	Minimum lumen output 330 lm	10	Nos	519.00	Each	5190.00
	66.3.1.2	Minimum lumen output 650 lm	10	Nos	692.00	Each	6920.00
	66.3.1.3	Minimum lumen output 1300 lm	10	Nos	1072.00	Each	10720.00
	66.3.1.4	Minimum lumen output 1600 lm	10	Nos	1190.00	Each	11900.00
	66.3.2	Surface Mounting (with extruded alumn. Housing )					
	66.3.2.1	Minimum lumen output 650 lm	10	Nos	830.00	Each	8300.00
	66.3.2.2	Minimum lumen output 1300 lm	10	Nos	1211.00	Each	12110.00
	66.3.2.3	Minimum lumen output 1950 lm	10	Nos	1661.00	Each	16610.00
34	E170900	Providing & Fixing of IP40 LED Surface/ Recessed / suspended mounting Mid power SMD type LED Light fixture made from CRCA sheet steel housing, high purity / transmissivity UV stabilized Non - yellowish diffuser for uniform light distribution. High efficiency with 2.5 KV internal/external surge protection BIS certified isolated driver having efficiency > 85% , with Short & Open circuit protection and in compliance to IEC standards (Integral with light fixture). System lumen efficacy of $\geq 120$ lm/Watt ,THD < 10% , $p.f \geq 0.95$ , CRI > 80 , life time of minimum 50000 Burning Hours with , 70% of initial Lumen maintained till life ends , CCT 3000°K / 4000°K / 5700°K /6000°K/6500°K (As per ANSI Bin) , maximum power consumption should not more than the specified rating and Fixture shall be of BIS standard and trade mark certificate ( T.C.) Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79/LM80) certificate / Report from OEM shall be submitted. All as per pre approved by engineer in charge . for additional technical parameters of product/ work, refer					
	E170910	Recessed Mounting					
	E170911	36W LED light fixture 2'x2' with acrylic / prismatic front cover	10	Nos	2413.00	Each	24130.00
	E170920	Suspended Mounting/Surface Mounting					
	E170921	36W LED light fixture 2'x2' with acrylic / prismatic front cover.	10	Nos	2608.00	Each	26080.00
35	66.9	Providing & Fixing of energy efficient /energy saving IP 20 LED direct retrofit Bulb in existing holder or fixture as required with system lumen efficacy $\geq 100$ lm/Watt output , $p.f \geq 0.95$ , CRI > 70, minimum life time of minimum 25000 Burning Hours with , 70% of initial Lumen maintained till life ends , CCT 3000°K / 4000°K / 5700°K /6000°K/6500°K (As per ANSI Bin) , maximum power consumption should not more than the specified rating and Fixture shall be of BIS standard and trade mark certificate ( T.C.) Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79/LM80) certificate / Report from OEM shall be submitted. All as per pre approved by engineer in-charge . for additional technical parameters of product/ work, refer Annexure "A" attached with this BSR					
	66.9.3	9 Watt	10	Nos	118	Each	1180.00
	66.9.4	15 Watt	10	Nos	138	Each	1380.00
36	E180100	Providing & Fixing of Normal / High Output High pressure sodium vapour/ Metal halide / Halogen lamp as required complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR					
	E180120	HPSV Tubular lamp Normal Output					
a)	E180123	250 Watt	10	Nos	407.00	Each	4070.00
37	E180400	Providing & Fixing of vacuum pressure impregnated copper ballast suitable for HPMV / HPSV / Metal halide lamp luminaire as required complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR					
	E180410	For HPMV Lamp					
	E180413	250 watt	5	Nos	1403.00	Each	7015.00
38	E180300	Providing & Fixing of Electronic ignitor suitable for HPSV/ Metal halide lamp of any rating complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR ..	10	Nos	167.00	Each	1670.00
39	E263100	Rewinding of Heavy duty Exhaust fan motor including all necessary material, The motor is to be wound taking no. of coils, turns and pitch as it was originally wound with required size super enamelled wire with 'E' class insulation material and making connections etc. as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.					
a)	E263101	300/ 380 mm sweep	10	Nos	549.00	Each	5490.00
40	75.35	Rewinding of single phase motor of 1400 RPM including all necessary material and of the same characteristics as original with required size of super enamelled wire 'E' class insulation material and testing etc. as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.					
	75.35.1	0.25 H P To 0.50 H P.	10	Nos	938	Each	9380.00
	75.35.2	0.75 H P To 1.0 H P	10	Nos	1287	Each	12870.00
	75.35.3	2.0 H P	10	Nos	2125	Each	21250.00
41	75.1	Rewinding of ceiling fan motor (starting and running winding) including all necessary material. The motor is to be wound taking no. of coils, turns and pitch as it was originally wound with required size super enamelled wire with 'E' class insulation material and making connections etc. as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor. (New model ceiling fan)					
	75.1.1	900/1200 mm sweep (New model ceiling fan)	40	Nos	538.00	Each	21520.00
42	75.2	Labour charges for removing and refixing of Ceiling fan/ Exhaust fan from site	20	Nos	69.00	Each	1380.00



43	75.3	Charges for oiling, overhauling of ceiling fan, table fan, pedestal fan irrespective to the size of fan including removing,refixing of fan from site and testing etc. as required.					
	75.3.2	Fans with Removing & Refixing at Suitable Location Each	20	Nos	110.00	Each	2200.00
44	75.4	Providing and Replacement of ball bearing of ceiling/ exhaust fan and refixing the same at suitable location as required and as per OEM recommendations. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.	20	Nos	268.00	Each	5360.00
45	75.5	Providing & Replacement of M.S. Shaft of ceiling fan. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.	20	Nos	158.00	Each	3160.00
46	75.17	Replacement of cooler pads (heavy) set of 3 no. of size 25" x 27"	35	Nos	103.00	Each	3605.00
47	75.36	Rewinding of three phase squirrel cage induction motor of 1400 to 2800 RPM including all necessary material and of the same characteristics as original with required size of super enamelled wire 'E' class insulation material and testing etc. as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.					
	75.36.4	10.0 H.P.	10	Nos	6449	Each	64490.00
	75.36.6	15.0 H.P.	10	Nos	9889	Each	98890.00
48	60.2	Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Armoured Aluminium cable conforming to IS:1554 P-1/ IS :7098 P -1 of 1.1 KV with II- Grade electrolytic aluminium conductor conforming to IS 8130 of purity >99.6 %, round / flat strip armoring of cables, Inner / outer sheath conforming to IS:5831 in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench / Cable tray(with cable tie) including testing etc. as required of following size. OEM must have it's own in house NABL accredited Laboratory for testing procedure as per IS. 10810 For additional technical parameters of product / work refer Annexure 'A' attached with this BSR.					
	60.2.2	6.0 Sq. mm					
	60.2.2.3	4 core	50	Mtr	170.00	RM	8500.00
	60.2.3	10.0 Sq. mm					
	60.2.3.3	4 core	100	Mtr	197.00	RM	19700.00
	60.2.4	16.0 Sq. mm					
	60.2.4.3	4 core	100	Mtr	238.00	RM	23800.00
	60.2.5	25.0 Sq. mm					
	60.2.5.2	3 core	50	Mtr	250.00	RM	12500.00
49	70.1	Labour charges for installation of submersible motor pump set including lowering/delowering of pipes, cables, accessories etc. in tube-well/ open well complete including T&P, transportation of tripod, chain pulley block & any other material required for this purpose complete in all respect.					
	70.1.3	Delowering and Lowering	20	Nos	6853.00	Each	137060.00
50	67.18	Providing & Fixing of Street light bracket made out from following size of 'B' class, Medium class G.I. Pipe conforming to IS : 1239 P - 1 ( 2004 ) with heavy duty pole clamp, Saddles suitable fastners etc. as required. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR.					
	67.18.3	32 mm Dia	10	Mtr	761	RM	7610.00
51	53.2	Supplying and drawing coaxial cable 75 ohm impedance with foam PE insulated solid bare copper inner conductor, and 1st outer conductor of bonded alum. tape and second outer conductor of alum. alloy braid in existing surface or recessed conduit/casing capping including making connections as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR.					
	53.2.1	RG - 6	50	Mtr	31	RM	1550.00
52	59.1	Providing & Fixing of ISO certified company made TP&N 415 V side handle operated double break fuse switch unit in sheet steel enclosure as per PWD specification for electrical Works conforming to IS/IEC 60947-3 : 1999 (W/O HBC fuses) including making connections with suitable lugs, testing etc. as required. Appropriate type test certificate / OEM test report shall be submitted . All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					
	59.1.1	63 A rating	2	Mtr	6,775.00	RM	13550.00
	59.1.2	100 A rating	2	Mtr	9,198.00	RM	18396.00
53	E071300	Providing & Fixing of ISI marked (IS:371) 6 amp surface type 3 pin ceiling roses as per PWD specification for electrical Works, made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminal & captive screws including making connection testing etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	10	Nos	19	Each	190.00
54	E267000	S & F of capacitor of 230V/ 275V, 50Hz rating of Usha/ Punsumi/ Priya/ Capital/ JEC/ AMCAP/ CONCAP make	20	Nos	362	Each	7240.00
	E267016	120-150 micro farad					
55	58.3	SITC of 3 /4 pole current limiting Moulded case circuit breaker (MCCB) made of flame retardant & heat resistant material having following current rating, short circuit breaking capacity at 440/415 V, 50 Hz, O/L & S/C settings , conforming to IS/IEC 60947 P -2 :2003 with front face and centralised adjustable, trip free mechanism, true contact position indicator, line load interchangeability, designed for both horizontal & vertical mounting without any adverse effect on electrical performance, suitable for operation upto 55 degree and without derating upto 40 degree, pollution degree 3, having positive isolation capability, push (test) to trip, trip time less then 10 ms under s/c condition, Breaking capacity Ics = 100% ICU. U imp =8 KV, rated insulation voltage 690 V. provision for UVR , shunt trip , earth fault trip, door interlock, pad lock & rotary handle , including making connections etc. as required OEM shall have submit NABL / CPRI / ERDA accredited lab type test certificate before execution All as per pre approved by Engineer in-charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR.					
	58.3.1	3 pole MCCB With Thermal Magnetic release					
	58.3.1.2	up to 100 Amp , 25 kA, adjustable O/L. & adjustable S/C setting	3	Nos	5299	Each	15897.00
56	62.7	Providing & making heat shrinkable type indoor/outdoor/straight through terminations/ joint kit suitable for 11 KV / 33 KV (Earthed) cable with required components, preparation of cable ends. Type test report should be as per IS13573:2011 which covered all sequence for table 2 for termination kit and table 3 for straight through joint inclusive thermal & dynamic short circuit test, humidity test, soil fog test. Cross linking shall be done out side factory with E- beam/ peroxide technology. Extrusion process shall be in house OEM within same vicinity. including testing etc. as required of following sizes. All as per approved by Engineer in-charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR.					
	62.7.1	11 KV End Termination Kit Indoor type					

	62 7.1.3	3 core 120/150/185 Sq mm	2	Nos	6009	Each	12018.00
	62 7.2	11 KV End Termination Kit Outdoor type					
	62 7.2.3	3 core 120/150/185 Sq mm	2	Nos	8265	Each	16530.00
57	70 12	SITC of Contactor OEM Fabricated DOL/Star-Delta Starter panel with switchgear selection as per Type-2 Coordination Chart and made out from 1.6 mm thick powder coated CRCA sheet, enclosure comprising of over load protection relay, short circuit & single phasing protection, Illuminated ON / OFF push buttons, ammeter, voltmeter, indicating lamps etc. suitable for following rating motors complete in all respect. All as per pre approved by Engineer in-charge. For additional technical parameters of products/ work, refer Annexure "A" attached with this BSR.					
	70.13.2	For Three phase Submersible / Mono block pump					
	70.13.2.6	12.5 HP to 15.0 HP ( Star / Delta starter )	5	Nos	22254	Each	111270.00
		TOTAL II - SCH (Part-B)					1650650.00
		GRAND TOTAL (Part A+B)					
		say					

*[Signature]*  
XEN(Elc)  
JMC

I/We agree to do the above "G" Schedule (Part C) work @.....above/below on RUIDP BSR Electric with JMC terms conditions.

I/We agree do the above mention work as per "H" sch with JMC terms conditions rates are mention as below

Part A -

1) \_\_\_\_\_

Team Per Month

Contractor