

NIT No: BSC/ Mushahari Ghat/2022/ 79.

Date: 15/06/2022.

Notice Inviting Short Term E-Tender

Third Call

Work Descriptions: Request for Proposal (RFP) for Development of Mushahari Ghat in Bhagalpur including DLP with maintenance for two (2) years under Smart City Mission on Percentage Rate basis

Estimated Cost (In Rs.): 1,83,13,150/- (One Crore Eighty Three Lakh Thirteen Thousand One Hundred and Fifty Rupees only) inclusive of all taxes and GST.

Tender Processing Fee: As per e-proc norms <https://www.eproc2.bihar.gov.in>

Tender Documents fee (In Rs.): 10,000/- (Ten Thousand only).

Earnest Money Deposit (In Rs.): 3,66,300/- (Three Lakh Sixty Six Thousand and Three Hundred Rupees only).

Tender Schedule:

Sr. No.	Activity	Date and Time
1	Bid Submission Due Date https://eproc2.bihar.gov.in/	30-06-2022 11:00 PM
2	Bid Open Date https://eproc2.bihar.gov.in/	01-07-2022 04:00 PM
3	Submission end date of hard copy/ Physical documents mentioned in RFP. Address: Chief Executive Officer, Bhagalpur Smart City Limited, Swami Vivekanand Path, Near Ghuran Peer Baba Chowk, Bhagalpur – 812001.	01-07-2022 03:00 PM

Note: NIT, RFP, Corrigendum (if any) etc. are also available on Company website <http://www.smartcitybhagalpur.org> for reference purposes only.


Managing Director cum CEO,
Bhagalpur Smart City Limited.

निविदा सं०— BSCL/Mushahari Ghat/2022/79

दिनांक— 15.06.2022

निविदा आमंत्रण सूचना (ई-टेंडरिंग द्वारा www.eproc2.bihar.gov.in)

- विज्ञापन दाता का नाम एवं पता : प्रबंध निदेशक—सह—मुख्य कार्यपालक पदाधिकारी,
भागलपुर स्मार्ट सिटी लिमिटेड।
- निविदा आमंत्रण सूचना निर्गत की तिथि : As per NIT
- निविदा कागजात डाउनलोड करने की तिथि : As per NIT
- प्री बिड मीटिंग का समय स्थान/तिथि : लागू नहीं।
- संवेदक द्वारा निविदा अपलोड करने की
अंतिम तिथि/समय : As per NIT
(on website-www.eproc2.bihar.gov.in)
- तकनीकी/वित्तीय बीड खोलने की
तिथि/समय : As per NIT
(on website-www.eproc2.bihar.gov.in)
- सभी मूल शपथ पत्र एवं मूल Existing
Commitments जमा करने की अंतिम
तिथि/समय एवं स्थान : As per NIT

प्रबंध निदेशक—सह—मुख्य कार्यपालक पदाधिकारी,
भागलपुर स्मार्ट सिटी लिमिटेड, कार्यालय, नगर
निगम परिसर, कोर्ट कम्पाउण्ड, बिहार,
भागलपुर—812001

- मद का नाम :— Under Smart City Mission (SCM) योजना।
- कार्य का विवरण:—

Sr. No.	Name of work	Estimated Cost (Amount in Rs.)	Amount of Earnest Money (Amount in Rs.)	Cost of B.O.Q. in Rs. (Though online mode Non-Refundable in Rs.)	Bid Processing Fee (Though online mode on For Belton Non-Refundable in Rs.)	Time of completion of work (in month) including monsoon period.
1	2	3	4	5	6	7
1	Development of Mushahari Ghat in Bhagalpur.	1,83,13,150/-	3,66,300/-	10,000/-	As per e-proc	6 माह

- निविदा की वैधता अवधि : 120 दिन
- निविदा कागजात अपलोड करने से पूर्व संवेदक को Bid Processing Fee निम्न विधि से जमा करना होगा।
 - Bid Processing Fee is mandatory to be paid through online mode i.e. internet payment gateway (Credit/Debit card), Net banking, NEFT/RTGS.
 - Bids along with necessary online payments must be submitted through e-Procurement Portal www.eproc2.bihar.gov.in before the date and time specified in the NIT. The Department does not take any responsibility for the delay / non submission of tender / non

Reconciliation of payment caused due to non-availability of internet connection, Network traffic / Holidays or any other reason(s).

12. कोई भी निविदाता जो केन्द्रीय/राज्य सरकार/लोक उपक्रम में निबंधित हो अथवा अन्तर्राष्ट्रीय/राष्ट्रीय स्तर के ही निविदा में भाग ले सकते हैं, परंतु उक्त कार्य का लेटर ऑफ एक्सेप्टेंस प्राप्त होने के बाद एवं एकरारनामा के पूर्व पथ निर्माण विभाग/ग्रामीण कार्य विभाग में निबंधन कराना अनिवार्य होगा। यदि भवन का निर्माण कार्य होगा, तो भवन निर्माण विभाग का निबंधन भी मान्य होगा।
13. विस्तृत निविदा आमंत्रण सूचना विभागीय वेबसाईट www.eproc2.bihar.gov.in अथवा www.smartcitybhagalpur.org में देखा जा सकता है।
15. ई-टेन्डरिंग की प्रक्रिया में भाग लेने हेतु निविदाता का ई-टेन्डरिंग के Service Provider के पास पंजीकृत होना होगा जिससे कि उन्हें उपयोगकर्ता का नाम (User ID) पासवर्ड (Password) एवं अंकीय हस्ताक्षर (Digital Signature) निर्गत की जायेगी। यह उन्हें www.eproc2.bihar.gov.in से डाउनलोड करने/ई-टेन्डर की प्रक्रिया में भाग लेने के लिए योग्यता प्रदान करेगा।
16. निविदाता को कार्य स्थल, प्राक्कलन, क्वैरी स्थल एवं सामग्री इत्यादि की स्थिति, निर्माण सामग्रियों की उपलब्धता की स्थिति से पूर्णरूपेण संतुष्ट होने के पश्चात् ही निविदा में भाग लेने का परामर्श दिया जाता है। इस संबंध में बाद में किसी भी प्रकार का दावा मान्य नहीं होगा।
17. अभिकर्ता श्रेणी-4 में निबंधित निविदाता के पास सभी कार्य विभागों द्वारा आवंटित कार्यों में से Existing Commitment यदि 75 लाख (पचहत्तर) रुपये से अधिक है, तो वे निविदाता इस निविदा में भाग नहीं ले सकेंगे।
18. (1) राज्य सरकार के किसी विभाग या संस्थान में किसी भी श्रेणी में काली सूची में डाले गये अथवा कार्यों से वंचित (Debarred) संवेदक इस निविदा में भाग लेने के योग्य नहीं होंगे। यदि वे जानबुझकर तथ्य छुपाते हुए निविदा डालते हैं तो सारी जिम्मेवारी उनकी होगी तथा उनके विरुद्ध उचित कार्रवाई की जायेगी।
(2) निविदा सूचना की अन्य शर्तों को पूरा करने के बावजूद कोई निविदाता द्वारा दी गई निविदा बिल्कुल ही मान्य नहीं होगी यदि:-
(क) निविदाता के द्वारा किसी निर्धारित प्रपत्र, विवरणी, शपथ पत्र या योग्यता प्रमाण-पत्र के रूप में समर्पित किसी कागजात या दस्तावेज में गलत या गुमराह करने वाले तथ्य समर्पित किया गया हो।
(ख) किसी निविदाता का कार्य निष्पादन का Record खराब रहा हो। अर्थात्, उन्होंने आवंटित कार्य को अधूरा छोड़ दिया हो, निविदा के शर्तों के अनुसार सम्यक रूप से पूरा नहीं किया हो, पूर्व से आवंटित किसी कार्य को पूरा करने में गंभीर विलम्ब किया हो, विवाद का इतिहास हो, वित्तीय अक्षमता सिद्ध हुई हो या उनके पास पूर्व से आवंटित कार्य निर्धारित समय सीमा के बाद भी पूरा करने हेतु लंबित हो। तथ्यों को छुपाने की जबाबदेही उनकी होगी क्योंकि उनके द्वारा समर्पित कागजात पर ही कार्यालय द्वारा निर्णय लिया जायेगा।
(3) पार्टनरशीप डीड में अंकित कोई पार्टनर कम्पनी के प्रबंध निदेशक, सहयोग समिति एवं निबंधित संस्थाओं के पदधारक या इन पदों पर कार्य करने वाले पूर्व में ब्लैक लिस्टेड है तो वह फर्म/कम्पनी/सहयोग समिति/निबंधित संस्था निविदा में भाग लेने के पात्र नहीं होंगे।
19. **परिमाण-विपत्र :-**
(1) (क) e-Tendering / e-Procurement प्रणाली के तहत निविदा हेतु बिड प्रोसेसिंग शुल्क एवं परिमाण विपत्र का मूल्य (जो लौटाया नहीं जाएगा) का भुगतान online mode (e-payment

mode) यानी Internet Payment Gateway (Credit/Debit Card), Net Banking, NEFT/RTGS द्वारा किया जाना अनिवार्य हैं।

(ख) e-Tendering/e-Procurement प्रणाली के तहत निविदा में अग्रधन के रूप में जमा की जाने वाली राशि Online mode (e-Payment mode) अथवा Physical mode/Manual Payment System में स्वीकार्य होगा। Online mode के तहत अग्रधन की राशि Internet Payment Gateway (Credit/Debit Card) Net Banking, NEFT/RTGS के माध्यम से जमा किया जा सकता है। Physical mode/Manual Payment System के तहत अग्रधन की राशि शर्त वाली बैंक गारन्टी (as per the format in NIT) जो बिड के मान्य अवधि (Bid Validity + 45 days) तक के लिए बिहार अवस्थित किसी राष्ट्रीयकृत बैंक/अनुसूचित बैंक से प्रबंध निदेशक-सह-मुख्य कार्यपालक पदाधिकारी, भागलपुर स्मार्ट सिटी लिमिटेड के पक्ष में निर्गत हो। (अगर बिहार प्रान्त के बाहर के बैंक से निर्गत बैंक गारन्टी दिया जाता है तो एकरारनामा के पूर्व इसे बिहार अवस्थित किसी बैंक से निर्गत किया जाना होगा)।

(ग) अनुमोदित परिमाण विपत्र के अनुसार परिमाण विपत्र के 2 (दो) प्रतिशत की दर से अग्रधन की राशि देय होगी। जो न्यूनतम 100 के गुणक में होगी।

(घ) निविदा सूचना के प्रकाशन की तिथि के पूर्व प्रतिज्ञित (Pledged) अग्रधन राशि से संबंधित दस्तावेज को मान्यता नहीं दी जायेगी।

(ड.) निविदाता द्वारा जमा किये गये अग्रधन की राशि पर किसी प्रकार की सूद विभाग द्वारा देय नहीं होगा।

(2) निविदा के समय जमा (अपलोड) किये जाने वाले कागजात स्वहस्ताक्षरित अभिप्रमाणित होना चाहिए जिस में तिथि नाम के साथ मोबाईल नं० अंकित हो।

(क) वैध निबंधन प्रमाण पत्र की प्रति।

(ख) साझेदार फार्म/कम्पनी के मामले में डीड एवं अर्टिकल्स ऑफ एसोसिएशन की प्रति।

(ग) पैन कार्ड की प्रति।

(घ) GST निबंधन प्रमाण पत्र की प्रति।

3. निविदाता के अधीन लंबित (सभी विभागों के अधीन निविदा की तिथि को Existing Commitment) कार्यों की राशि सहित सूची मूल में।

4. घोषणा प्रमाण पत्र (मूल में)/शपथ पत्र (मूल में) (अपलोड)

मैं अद्योहस्ताक्षरी (साफ-साफ बड़े अक्षरों में नाम).....

..... सुपुत्र/सुपुत्री/पत्नी श्री.....शपथ पूर्वक घोषणा करता/करती हूँ कि—

(क) मेरे/हमारे विरुद्ध किसी प्रकार का अपराधिक मामला किसी भी न्यायालय में विचाराधीन नहीं है।

(ख) मुझे/हमें किसी सरकारी/अर्द्धसरकारी प्रतिष्ठान द्वारा Debar, Blacklisted एवं विगत एक वित्तीय वर्ष के अंदर विखंडित (Rescind) नहीं किया गया है।

(ग) मेरा/हमारा कोई निकटतन संबंधी (अभिप्राय है पति/पत्नी, माता/पिता, भाई/बहन तथा इस तरह के ससुराल पक्ष के संबंधी) संबंधित कार्य प्रमंडल के प्रबंध निदेशक-सह-मुख्य कार्यपालक पदाधिकारी /मुख्य महाप्रबंधक/वरीय प्रबंधक तकनीकी/प्रबंधक तकनीकी/लेखापाल के रूप में कार्यरत नहीं है।

(घ) निविदा में संलग्न सभी प्रमाण पत्र, कागजात विवरणी जाली एवं गलत नहीं है।

5. संबंधित निविदाता को एक शपथ-पत्र के माध्यम से घोषणा करना आवश्यक है कि चालू वित्तीय वर्ष में पथ निर्माण विभाग के संकल्प ज्ञापांक— 5931 दिनांक— 01.07.2015 में अंकित प्रावधान के आधार पर अबतक आवंटित सभी कार्य की कुल राशि
..... रु० है जो 75 लाख रु० से कम है।

घोषणा पत्र का प्रारूप

मैं उम्र..... वर्ष, पुत्र/पुत्री गाँव/षहर
.. प्रखण्ड..... पोस्ट ऑफिस थाना अनुमंडल जिला
..... राज्य एतद् द्वारा शपथ लेते हुए घोषणा करता/करती हूँ कि पथ निर्माण
विभाग के संकल्प ज्ञापांक- 5931 दिनांक- 01.07.2015 में अंकित प्रावधान के अनुसार
आरक्षण का लाभ लेते हुए वित्तीय वर्ष में सभी कार्य विभागों द्वारा आवंटित
कार्यों की कुल राशि रु0 है जो रु0 75.00 लाख से कम है। वित्तीय वर्ष.
..... में आवंटित कार्यों की विवरणी अग्रलिखित है।

क्रमांक	विभाग का नाम	आवंटित कार्य का नाम	आवंटित कार्य की राशि
1	2	3	4

6. निबंधित उत्पाद एवं मद्य निषेध विभाग के अधिसूचना संख्या 1020 दिनांक 15/02/2001 के आलोक में निविदा में संवेदक द्वारा संलग्न किये जाने वाले शपथ पत्र में 20रु0 + 5रु0 = 25रु0 के स्थान पर 100रु0 + 5रु0 = 105 रु0 के स्टाम्प से प्रतिस्थापित किया गया है। अतएव अब गैर न्यायिक स्टाम्प पत्र/न्यायिक स्टाम्प पत्र पर 100रु0 + 5रु0 = 105 रु0 के स्टाम्प ड्यूटी वाले शपथ पत्र ही वैध एवं मान्य होंगे।
7. निविदाता के पास **मिक्सर मशीन, नोजल भाईब्रेटर, सटरिंग प्लेट, वाटर टैंकर** सभी गुप्तों के लिए स्वयं का होना चाहिए। अथवा किराये पर लेने की स्थिति में संवेदक एवं स्वामी दोनों को लेने देने का मूल शपथ पत्र एवं स्वामित्व प्रमाण पत्र देना होगा। साथ ही उपकरण का स्वामित्व का कागजात भी संलग्न करना होगा। अन्यथा निविदा अमान्य कर दिया जाएगा।
उपर्युक्त कंडिका 'क' 'ख' एवं 'ग' में गलत सूचना देने का दोषी पाये जाने अथवा कंडिका 'घ' में से कोई अभिलेख असत्य, नकली, जाली पाये जाने पर सक्षम प्राधिकार द्वारा अग्रधन की राशि जब्त कर लिया जायेगा तथा उनके निबंधन को काली सूची में दर्ज करने एवं प्राथमिकी दर्ज करने की कार्यवाई के लिए स्वतंत्र होंगे। चूँकि संवेदकों का निबंधन भागलपुर स्मार्ट सिटी लिमिटेड द्वारा नहीं हो रहा है, संवेदकों को बिहार PWD Code के बिहार ठीकेदारी निबंधन नियमावली 2007 के तहत काली सूची, डिबार तथा निलम्बन इत्यादि भागलपुर स्मार्ट सिटी लिमिटेड द्वारा करने का होगा, यदि यह शर्तें निविदाता को मान्य होगा, तभी वे निविदा डालें।
8. यह स्पष्ट है कि सभी कागजातों को अपलोड करना आवश्यक एवं अनिवार्य है।
- (11) **प्रतिशत दर निविदा**
(क) कार्य के परिमाण विपत्र की राशि से प्रतिशत के रूप में अधिक, बराबर या कम दर (अंक एवं शब्दों में) अंकित किया जाय। अंक एवं शब्दों में अंकित दर में अंतर आने पर उस संवेदक का निविदा अमान्य कर दिया जा सकता है।
(ख) प्रतिशत दर निविदा पद्धति में परिमाण विपत्र की दर से कम उद्धृत दर वाले निविदा के लिए पथ निर्माण विभाग के अधिसूचना सं० 447(S) दिनांक 16/01/2020-सह-पठित ज्ञापांक-448(S) दिनांक 16/01/2020 द्वारा निर्धारित प्रावधानों के अनुसार, न्यूनतम दरदाता को एकरारनामा के समय Additional Performance Guarantee देना होगा।
(ग) Performance Guarantee /Additional Performance Guarantee के लिए न्यूनतम दरदाता को निर्धारित बैंक गारंटी के प्रारूप (Annexure-A) अथवा Fixed deposit pledged in favour of CEO, Bhagalpur Smart City Limited ही मान्य होगा

20. सशर्त निविदा मान्य नहीं होगी।

21. सक्षम प्राधिकार को बिना कोई कारण बताये निविदा के सभी/किन्हीं कार्यों को या किसी कार्य के किन्ही अंश/अंशों को रद्द करने का अधिकार सुरक्षित रहेगा। इसके लिए किसी भी प्रकार का कोई दावा मान्य नहीं होगा।
22. **निविदा निष्पादन**
(1) यदि निविदा के कंडिका संख्या 19 के अनुसार कोई भी कागजात नहीं रहेगा या अधूरा रहेगा तो उसके निविदा को अमान्य कर दिया जायेगा।
(2) न्यूनतम दर दाता की निविदा आवश्यकतानुसार दर वार्ता के उपरान्त स्वीकार की जायेगी।
(3) निविदा में सफल एकाधिक निविदाताओं से उद्धृत दर सामान्य होने पर लॉटरी (ड्रॉ ऑफ लॉटरी) के आधार पर चयनित संवेदक के साथ ही यदि आवश्यकता हुई तो दर प्रक्रमण (दर वार्ता) किया जायेगा एवं नियमानुसार कार्य आवंटित किया जायेगा।
23. **एकरारनामा**
(क) निविदा में सफल संवेदक को कार्य आवंटन की तिथि से 15 दिनों के अंदर एकरारनामा की राशि का 2% Performance Guarantee जमा करनी होगी एवं लोक निर्माण विभाग के प्रपत्र F2 पर एकरारनामा कर कार्य प्रारंभ करना होगा।
(ख) एकरारनामा करने के उपरांत मासिक कार्य योजना समर्पित करना होगा।
(ग) अविलम्ब कार्य स्थल पर कार्य से संबंधित सूचनापट्ट उसकी आकार-प्रकार एवं उसमें भरे जाने वाले विवरण के संबंध में कार्य के प्रभारी अभियंता के निदेशों का पालन करना होगा।
24. **अन्य शर्तें**
(क) निविदा के निर्धारित अवधि के अंतर्गत ही कार्य को पूरा करना होगा विशेष परिस्थिति को छोड़कर अवधि विस्तार की स्वीकृति नहीं दी जायेगी।
(ख) कार्यों में प्रयुक्त हाने वाले 60/70,30/40,80/100 Grade Packed बिटुमिन अथवा सामग्री जो लागू हो उसके क्रय एवं आपूर्ति की व्यवस्था संवेदक को स्वयं अपनी लागत पर करनी होगी। जिसके लिए उन्हें विभाग से किसी प्रकार का अग्रिम देय नहीं होगा। बिटुमिन का क्रय केवल राष्ट्रीयकृत तेल कम्पनियों से ही करना होगा तथा बिटुमिन क्रय के 48 घंटों के अंदर कौशमेमों संबंधित सहायक अभियंता के समक्ष प्रस्तुत करते हुए अद्योहस्ताक्षरी को भी सूचित करना होगा। साथ ही साथ 24 घंटों के अंदर बिटुमिन की क्वालिटी का जाँच कराना होगा। BM. SDBC कार्य के लिए Hot Mix Plant, Vibratory Roller/Static Roller आवश्यक है।
(ज) प्राक्कलित राशि घट-बढ़ सकती है तथा कार्य स्थल के अनुसार निरूपण में परिवर्तन किया जा सकता है।
(झ) यह निविदा आमंत्रण सूचना एवं परिमाण विपत्र के साथ निर्गत विशेष शर्त भी एकरारनामा का अंग होगा।
25. कार्य समाप्ति की तिथि से संवेदको को उनके कार्य में त्रुटि सुधार की बाध्यता (Defect Liability Period) कार्य समाप्ति की तिथि से 24 माह (दो वर्ष) की होगी। तत्पश्चात् कार्य संतोषप्रद पाये जाने पर ही उनके जमानत की राशि विमुक्त की जायेगी।
26. e-Tendering में कार्यालय द्वारा Download करने में संलग्न अभिलेख यदि अपठनीय पाया जायेगा तो निविदा अमान्य किया जा सकता है।
27. कार्य आवंटित होने पर संवेदक को GST प्रमाण-पत्र की स्वअभिप्रमाणित प्रति जमा करना अनिवार्य होगा। तकनीकी बीड में निविदा का उतना ही कागजात संलग्न करें जितना निविदा शर्तों की कंडिकाओं में अंकित है। निविदा आमंत्रण सूचना के कंडिकाओं को पूरी तरह समझने के लिए कार्यालय अवधि में निविदाकार प्रबंध निदेशक-सह-मुख्य कार्यपालक पदाधिकारी, भागलपुर स्मार्ट सिटी लिमिटेड कार्यालय, नगर निगम परिसर, कोर्ट कम्पाउण्ड, बिहार, भागलपुर - 812001 से संपर्क कर सकते हैं।
28. In the unlikely event of the server for www.eproc2.bihar.gov.in being down for more than two consecutive hours (in the period from midnight to closing time for receipt of tenders) on the last date of receiving of bid, the last date of the same shall be extended by concerned authority only to the next working day till the last receiving time stipulated in the original NIT.

29. The bidders are requested to check their file size of uploaded documents at the time of submission & they should ensure that work file is uploaded. If they feel that the complete file is not uploaded then they should click on cancel & update the same before submission. The bidders should satisfy themselves of download ability/ visibility of the scanned & uploaded file by them.
30. No claim shall be entertained on account of disruption of internet service being used by bidders. Bidders are advised to upload their bids well in advance to avoid last hour's technical snags (तकनीकी खराबी).
31. In exceptional circumstances, the competent authority may solicit the Bidder's consent to an extension of the period of validity.
32. Bids that are rejected during the bid opening process shall not be considered for further evaluation, irrespective of the circumstances.
33. The bidders shall submit their eligibility and qualification details, Technical bid, Financial bid etc., in the online standard formats given for respective tenders in e-Procurement website (www.eproc2.bihar.gov.in) at the respective stage only. The bidders shall upload the scanned copies of all the relevant certificates, documents etc., in support of their eligibility criteria / technical bids and other certificate /documents in the e-Procurement website. The bidder shall sign on the supporting statements, documents, certificates, uploaded by him, owning responsibility for their correctness /authenticity.
34. Corrigendum/ Addendum, if any, will be published on the website itself.
35. अनियोजित अभियंता के लिए कर्णांकित कार्यो हेतु—
 - (a) पथ निर्माण विभाग के प्र०-6/नियम-03-03/2001-1399(s) दिनांक-31.01.2008 द्वारा सभी शर्तों का अनुपालन करना होगा।
 - (b) शपथ पत्र मूल में देना होगा कि उन्होंने 3.50 करोड़ का कार्य से कम का कार्य अभी तक किया है।
 - (c) शपथ पत्र मूल में देना होगा कि किस वर्ष डिग्री/डिप्लोमा पास किया है तथा अबतक अनियोजित है।

ह०/—

प्रबंध निदेशक—सह—मुख्य कार्यपालक पदाधिकारी
भागलपुर स्मार्ट सिटी लिमिटेड।

Annexure-A

Form of Guarantee for Performance Security

To,
CEO,
Bhagalpur Smart City Limited
Bhagalpur (Bihar)

WHEREAS:

XXXXXXXXXX (NAME), XXXXXXXX(Address) (hereinafter called the “**Contractor**”) and **CEO**, Bhagalpur Smart City Limited, Municipal Corporation Court Compound, Bhagalpur (Bihar) - 812001 , (hereinafter called the “**Authority**”) have entered into an agreement (hereinafter called the “**Agreement**”) for XXXXXXXXXXXXXXXX (Project Name) in Bhagalpur, Bihar under Smart City Mission, Bhagalpur subject to and in accordance with the provisions of the Agreement.

- a) The Agreement requires the Contractor to furnish a Performance Security for due and faithful performance of its obligations, under and in accordance with the Agreement, during the Construction Period and Defects Liability Period (as defined in the agreement) in a sum of **Rs.- XXXXXXXXXX** (Rupees XXXXXXXXXXXXXXXXXXXX) (the “Guarantee Amount”).
- b) We XXXXXXXXXX (BANK Name) through our branch at “XXXXXXXXXXXX” (the “Bank”) have agreed to furnish this bank guarantee (hereinafter called the “Guarantee”) by way of Performance Security.

NOW, THEREFORE, the Bank hereby, unconditionally and irrevocably, guarantees and affirms as follows:

1. The Bank here by unconditionally and irrevocably guarantees and under takes to pay to the Authority upon occurrence of any failure or default in the due and faithful performance of all or any of the Contractor’s obligations, under and in accordance with the provisions of the Agreement during the {Construction Period/ Defects Liability Period} on its mere first written demand, and without any demur, reservation, recourse, contest or protest, and without any reference to the Contractor, such sum or sums up to an aggregate sum of the Guarantee Amount as the Authority shall claim, without the Authority being required to prove or to show grounds or reasons for its demand and/or for the sum specified therein.
2. A letter from the Authority, under the hand of an officer not below the rank of a Sr. Manager of the Authority that the Contractor has committed default in the due and faithful performance of all or any of its obligations under and in accordance with the Agreement shall be conclusive, final and binding on the Bank. The Bank further agrees that the Authority shall be the sole judge as to whether the Contractor is in default in

due and faithful performance of its obligations during and under the Agreement and its decision that the Contractor is in default shall be final and binding on the Bank, notwithstanding any differences between the Authority and the Contractor, or any dispute between them pending before any court, tribunal, arbitrators or any other authority or body, or by the discharge of the Contractor for any reason whatsoever.

3. In order to give effect to this Guarantee, the Authority shall be entitled to act as if the Bank were the principal debtor and any change in the constitution of the Contractor and/or the Bank, whether by their absorption with any other body or corporation or otherwise, shall not in any way or manner affect the liability or obligation of the Bank under this Guarantee.
4. It shall not be necessary, and the Bank hereby waives any necessity, for the Authority to proceed against the Contractor before presenting to the Bank its demand under this Guarantee.
5. The Authority shall have the liberty, without affecting in any manner the liability of the Bank under this Guarantee, to vary at any time, the terms and conditions of the Agreement or to extend the time or period for the compliance with, fulfilment and/or performance of all or any of the obligations of the Contractor contained in the Agreement or to postpone for any time, and from time to time, any of the rights and powers exercisable by the Authority against the Contractor, and either to enforce or for bear from enforcing any of the terms and conditions contained in the Agreement and/or the securities available to the Authority, and the Bank shall not be released from its liability and obligation under these presents by any exercise by the Authority of the liberty with reference to the matters aforesaid or by reason of time being given to the Contractor or any other forbearance, indulgence, act or omission on the part of the Authority or of any other matter or thing whatsoever which under any law relating to sureties and guarantors would but for this provision have the effect of releasing the Bank from its liability and obligation under this Guarantee and the Bank hereby waives all of its rights under any such law.
6. This Guarantee is in addition to and not in substitution of any other guarantee or security now or which may hereafter be held by the Authority in respect of or relating to the Agreement or for the fulfilment, compliance and/or performance of all or any of the obligations of the Contractor under the Agreement.
7. Notwithstanding anything contained hereinbefore, the liability of the Bank under this Guarantee is restricted to the Guarantee Amount and this Guarantee will remain in force for the period specified in paragraph 8 below and unless a demand or claim in writing is made by the Authority on the Bank under this Guarantee all rights of the Authority under this Guarantee shall be forfeited and the Bank shall be relieved from its liabilities here under.
8. The Guarantee shall cease to be in force and effect on XXXXXXXXXXXXXXXX (Expiry Date). Unless a demand or claim under this Guarantee is made in writing before expiry of the Guarantee, the Bank shall be discharged from its liabilities hereunder.

9. The Bank undertakes not to revoke this Guarantee during its currency, except with the previous express consent of the Authority in writing and declares and warrants that it has the power to issue this Guarantee and the undersigned has full powers to do so on behalf of the Bank.
10. Any notice by way of request, demand or otherwise hereunder may be sent by post addressed to the Bank at its above referred branch, which shall be deemed to have been duly authorized to receive such notice and to effect payment there of forthwith, and if sent by post it shall be deemed to have been given at the time when it ought to have been delivered in due course of post and in proving such notice, when given by post, it shall be sufficient to prove that the envelope containing the notice was posted and a certificate signed by an officer of the Authority that the envelope was so posted shall be conclusive.
11. This Guarantee shall come into force with immediate effect and shall remain in force and effect for up to the date specified in paragraph 8 above or until it is released earlier by the Authority pursuant to the provisions of the Agreement.

Signed and sealed thisday of the 2022 at

SIGNED, SEALED AND

DELIVERED For and on behalf of the

Bank by :

Signature :

Name:

Designation (Code Number)

(Address)

(Contact No.)

(Email i.d.)

NOTES:

- (i) The bank guarantee should contain the name, designation, and code number of the officer(s) signing the guarantee.
- (ii) The address, telephone number and other details of the head office of the Bank as well as of issuing branch should be mentioned on the covering letter of issuing branch.

Development of Mushahari pond at Mayaganj , Bhagalpur

S.No.	SOR No (BCD SOR)	Description of Item	Unit	Quantity	Unit Rate	Amount (Rs.)
1	BCD 2.29.1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m.All Kind of Soil.	sqm	5102.00	12.73	64922.95
2	BCD 2.33	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	sqm	5102.00	3.35	17107.01
3	BCD 2.1.1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m disposed soil to be leveled and neatly dressed : All Kind of Soil.	sqm	526.00	46.12	24257.54
4	BCD 2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil	cum	433.65	314.90	136556.39
5	BCD 2.26	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth : consolidating each deposited layer by ramming and watering lead.	cum	43.37	116.50	5052.02
6	BCD 2.28	Supplying and filling in plinth with local sand under floors, including watering, ramming, consolidating and dressing complete.	cum	337.20	281.40	94888.08
7	BSR_2020_6.13A	Brick work 7cm thick with brick of class designation 100A cement mortar 1:3 (1 cement : 3 coarse sand) in super structure. Bottom of Pond	sqm	420	479	201180.00
8	BSR_2020_20.3A.1	Making 25 cm (10") dia bore up to 4 mtr depth below ground with hand auger of approved quality in ordinary soil! (vide classification of soil item A) true to plumb and without eccentricity in any stage of operation and disposal of the excavated earth up to 50 mtr , Lead in eluding all lifts , all complete as per approved disign and direction of E/I Details of cost for 4 piles of 4 m= 16 mtrs depth). Total length of pile work	Rmt	276	167.5	46230.00
9	BSR_2020_4.1.8	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	104.781	2923.70	306348.21
10	BSR_2020_5.33.1	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cementcontent as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and including retard setting of concrete, improve workability without impairing strength and admixtures in recommended proportions as per IS: 9103 to accelerate, reinforcement, durability as per direction of Engineer-in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately. All works upto plinth level	Cum	317.514	4952.60	1572519.84
11	BSR_2020_5.9.6	Centring and shuttering including strutting,propping etc. and removal of form for. Columns,Pillars, Piers, Abutments, Posts and Struts	sqm	1603.51	470.60	754611.81
12	BSR_2020_5.22.7A	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars TMTC-500- 8 mm	kg	31433.89	70.60	2219232.35
13	BSR_2020_5.22.7B	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars TMTC-500- 10mm	Kg	31433.9	69.20	2175224.91
14	BSR_2020_11.27	Kota stone slabs 20 mm thick in risers of steps skirting. Dado & pillars laid on 12 mm (average (thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete. Details of cost for 10 sqm	sqm	796.64	1224.20	975246.69
15	BSR_2020_11.73	Providing designation 100 A one brick on edge soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	sqm	419.00	449.80	188466.20
16	BSR_2020_6.1A/6.1.12/1	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1:4 (1cement : 4 coarse sand)	cum	57.90	5048.20	292290.78

17	BSR_2020_7.38.1.2	Stone tile work for wall lining upto 10.0m height with special adhesive like araldite or equivalent over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand) including pointing in-white cement with an admixture of pigment to match the stone shade. Raj Nagar plain white marble / Udaipur green marble / Zebra black marbleGranite black stone	sqm	42.00	1587.20	66662.40
18	BSR_2020_12.1.5	Providing corrugated G.S. sheet roofing fixed with G.I.J. or hooks, bolts and nuts 8 mm diameter with bitumen and G. I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on over lapping of sheets complete (upto a pitch of 60°) excluding the cost of purlins, rafters and trusses. 0.63 mm thick with zinc coating not less than 275 gm/m2	sqm	42	754.8	31701.60
19	BSR_2020_7.41	Providing and fixing structural steel frame (for dry cladding with 30 mm thick gang saw cut with machine cut edges sand stone) on walls at all heights using M.S. square / rectangular tube in the required pattern as per architectural drawing, including cost of cutting, bending, welding etc. The frame work shall be fixed to the wall with the help of MS brackets / lugs of angle iron / flats etc. which shall be welded to the frame and embedded in brick wall with cement concrete block 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) of size 300x230x300 mm, including cost of necessary centring and shuttering and with approved expansion hold fasteners on CC/RCC surface, including drilling necessary holes. Approved cramps / pins etc. shall be welded to the frame work to support stone cladding, the steel work will be given a priming coat of Zinc primer as approved by Engineer-in-Charge and painted with two or more coats of epoxy paint (Shop drawings shall be submitted by the contractor to the Engineer-in-Charge for approval before execution). The frame work shall be fixed in true horizontal & vertical lines/planes. (Only structural steel frame work shall be measured for the purpose of payment, stainless steel cramps shall be paid for separately and nothing extra shall be paid.)	kg	924.00	147.00	135828.00
20	BSR_2020_10.36	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes,channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.).	kg	1106.00	521.00	576226.00
21	BSR_2020_11.19/11.19.2	Chequered terrazzo tiles 22 mm thick with marble chips of sozes upto 6 mm in floors jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polshing complete on 20 nm thick bed of cement mortar 1:4 (1 cement:4 coarse sand) Medium shade using 50% white cement and 50% ordinary cement	sqm	182.5	965.70	176240.25
22	BSR_2020_13.11.1	12 mm cement plaster 1:3 (1 cement: 3coarse sand)	sqm	13.2	157.4	2077.68
23	BSR_2020_13.12.1	15 mm cement plaster 1:3 (1 cement: 3 coarse sand)	sqm	19.2	182.2	3498.24
24	BSR_2020_13.24.1	6 mm cement plaster to ceiling of mix : 1:3 (1 cement: 3 coarse sand)	sqm	2.25	124.8	280.80
25	BSR_2020_13.80 A.2	Providing and applying white cement based putty of average thickness 2 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. Total area on which putty to be done=ceiling+Internal wall+External wall area	sqm	34.65	102.1	3537.77
26	BSR_2020_13.81A.2B	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture,including applying additional coats wherever required, to achieve even shade and colour. Two Coats	sqm	34.65	49.2	1704.78
27	BSR_2020_13.92.1	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: Two or more coats on new work	sqm	15.45	83.1	1283.90
28	BSR_2020_13.46.1	Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	sqm	19.2	127.2	2442.24

29	BSR_2020_7.41	Providing and fixing structural steel frame (for dry cladding with 30 mm thick gang saw cut with machine cut edges sand stone) on walls at all heights using M.S. square / rectangular tube in the required pattern as per architectural drawing, including cost of cutting, bending, welding etc. The frame work shall be fixed to the wall with the help of MS brackets / lugs of angle iron / flats etc. which shall be welded to the frame and embedded in brick wall with cement concrete block 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) of size 300x230x300 mm, including cost of necessary centring and shuttering and with approved expansion hold fasteners on CC/RCC surface, including drilling necessary holes. Approved cramps / pins etc. shall be welded to the frame work to support stone cladding, the steel work will be given a priming coat of Zinc primer as approved by Engineer-in-Charge and painted with two or more coats of epoxy paint (Shop drawings shall be submitted by the contractor to the Engineer-in-Charge for approval before execution). The frame work shall be fixed in true horizontal & vertical lines/planes. (Only structural steel frame work shall be measured for the purpose of payment, stainless steel cramps shall be paid for separately and nothing extra shall be paid). In entrance ms gate Type-1 @ 1nos	kg	80	147	11760.00
30	BSR_2020_11.53	Providing and fixing Glass mosaic tiles at finished plain wall surface of size 20 mm x 20 mm x 4 mm in all colour, design , fixing in customize design as per direction of Engineer-in- Charge. The glass mosaic tiles to be fixed on the wall surface with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same. The rate is inclusive of all operation, material and required pattern approved by Engineer-in-Charge.	sqm	594	3087.4	1833915.60
31	M R Item	Signage Board (1.2 m x 0.8 m)	sqm	1	8500	8500.00
32	BCD_2020_2.8.1	Earth work in excavation in foundation trenches or drains(not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m . including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.2.8.1 All kinds of soil.	cum	58.806	360.70	21211.32
33	BCD_2020_2.26	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth: consolidating each deposited layer by ramming and watering lead 2/3 rd of excavated earth from foundation	cum	39.204	116.5	4567.27
34	BCD_2020_2.28	Supplying and Filling in plinth with local sand and under floors including,watering, ramming consolidating and dressing complete.	cum	41.909	281.4	11793.05
35	BCD_2020_4.1.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.1:1:2 (1 cement: 1 coarse sand:2 graded stone aggregate 20 mm	cum	6.600	5652.80	37308.48
36	BCD_2020_4.1.8	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	5.350	2923.70	15641.80
37	BCD_2020_5.9.1	Centring and shuttering including strutting,propping etc. and removal of form for. Foundations, footings, bases of columns etc. for mass concrete.	sqm	46.560	203.00	9451.68
38	BCD_2020_2.37.1.1	Diluting and injecting chemical emulsion for OSTCONSTRUCTIONAL anti-termites' treatrntnt(including the cost of chemical emulsion). Along external wall where the apron is not provided using chemical imulsion @ 7.5 liters / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete: With chlorpyrifos/Lindone E.C. 20% with 1% concentration	metre	65.200	38.90	2536.28
39	BCD_2020_4.11	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 20mm nominal size).	sqm	31.200	240.50	7503.60
40	BCD_2020_4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone - III) : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	sqm	29.340	430.60	12633.80
41	BCD_2020_5.9.6	Centering and shuttering including strutting, propping etc. and removal of form for : Columns, pillars, piers, Abutments, Posts, Struts	sqm	46.080	470.60	21685.25
42	BCD_2020_5.9.3	Centering and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	sqm	72.030	412.20	29690.77
43	BCD_2020_5.9.4	Centering and shuttering including strutting, propping etc. and removal of form for: Shelves (Cast in situ)	sqm	1.800	412.30	742.14

44	BCD_2020_5.9.5	Centering and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	103.740	362.90	37647.25
45	BCD_2020_5.33A.1	Providing and Laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grade reinforced cement concrete. All works upto plinth level	cum	17.099	4689.20	80178.29
46	BSR_2020_5.33A.2.1	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grade reinforced cement concrete. walls, Columns, pillars, posts and struts	cum	3.000	5194.80	15584.40
47	BSR_2020_5.33A.2.2	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grade reinforced cement concrete. Beams, girders, cantilevers, suspended floors, lintels, roofs and staircases including spiral staircase and shelves etc.	cum	13.326	5553.60	74008.66
48	BCD_2020_5.22.7A	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars TMTC-500-8mm dia.	kg	2709.01	70.60	191256.11
49	BCD_2020_5.22.7C	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	1935.01	69.20	133902.50
50	BCD_2020_5.22.7C	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars TMTC-500-12mm dia.	kg	1083.60	67.60	73251.63
51	BCD_2020_6.1A/6.1.12/1	Brick work with bricks of class designation 100A in foundations and plinth in : Red Bricks cement mortar 1:4 (1 cement:4 coarse sand)	cum	4.616	5048.20	23302.49
52	BSR_2020_6.24A	Extra for tile bricks masonry with tile bricks of class designation 100A in superstructure from plinth level upto floor five level. Red Brick	cum	36.698	787.00	28881.48
53	BCD_2020_9.21.1	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) non-decorative type, core of block board construction with frame of 1 st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	11.340	1674.30	18986.56
54	BSR_2020_9.1.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). Second class teak wood	cum	0.0765	119737.90	9159.95
55	BCD_2020_21.3.1	Providing and fixing glazing in aluminium door, windows, ventilators, shutters and partitions etc, with EPDM rubber/neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge (cost of aluminium snap beading shall be paid in basic item). With float glass panes of 4.0 mm thickness.	sqm	10.260	813.40	8345.48
56	BCD_2020_9.118.2	Providing and fixing 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (\pm 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (\pm 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (\pm 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (\pm 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.	sqm	20.475	1835.80	37588.01

57	BCD_2020_9.119	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5 mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos. of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided throughout the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge.	meter	64.350	366.10	23558.54
58	BCD_2020_11.38	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such shades except white, Ivory, Grey, Fume Red, Brown, laid on 20 mm thick Cement mortar 1:4 (1 cement: 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	sqm	73.390	783.70	57515.74
59	BCD_2020_11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	252.420	797.50	201304.95
60	BSR_2020_13.11.1	12 mm cement plaster MIX: 1:3 (1 cement: 3 coarse sand)	sqm	360.600	157.40	56758.44
61	BSR_2020_13.12.1	15 mm cement plaster for mix: 1:3 (1 cement: 3 coarse sand)	sqm	173.376	182.20	31589.11
62	BCD_2020_13.24.1	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	sqm	72.030	124.80	8989.34
63	BCD_2020_13.80 A.1	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. Two Coats	sqm	1212.012	77.70	94173.33
64	BCD_2020_13.81A/2B	Distemping with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacturer, including applying additional coats wherever required, to achieve even shade and colour. Two coats	sqm	1212.012	49.20	59630.99
65	BCD_2020_13.92.1	Wall painting with plastic emulsion paint of approved brand and manufacturer to give an even shade: Two or more coats on new work	sqm	432.630	83.10	35951.55
66	BCD_2020_13.46A.1	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	sqm	173.376	127.20	22053.43
67	BCD_2020_22.5	Providing and laying in situ five course water proofing treatment with glass fibre tissue reinforced bitumen over roof consisting of first coat of bitumen primer @ 0.40 kg. per sqm, 2nd & 4th courses of bonding material @ 1.60 kg. per sqm which shall consist of blown type bitumen of grade 85/25 conforming to IS: 702, third layer of glass fibre tissue course as specified, fifth, the top most layer of stone grit 6 mm and down size or pea-sized gravel spread @ 6 dm ² per sqm including preparation of surface excluding grading for slope etc. complete.	sqm	73.390	407.90	29935.78
68	BCD_2020_17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required: W.C. pan with ISI marked white solid plastic seat and lid.	each	9.000	5395.20	48556.80
69	BCD_2020_17.7.2	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required: White Vitreous china Wash basin of size 630 x 450mm with single 15mm C.P brass pillar tap.	each	12.000	2230.60	26767.20
70	BCD_2020_17.4.1	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: One urinal basin with 5 litre white P.V.C. automatic flushing cistern.	each	9.000	3622.40	32601.60
71	BSR_2020_17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	each	12.000	978.90	11746.80

72	BCD_2020_18.65	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	each	12.000	130.50	1566.00
73	BSR_2020_18.52.1	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	each	9.000	606.30	5456.70
74	BSR_2020_18.50.1	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	each	9.000	618.80	5569.20
75	BCD_2020_18.53.1	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore	each	12.000	532.00	6384.00
76	BSR_2020_18.8/43313	Providing & fixing Chlorinated polyvinyl Chloride (CPVC) Pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls. 15 mm nominal outer dia pipes	metre	50.000	267.60	13380.00
77	BSR_2020_43314	Providing & fixing Chlorinated polyvinyl Chloride (CPVC) Pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls. 20 mm nominal outer dia pipes	metre	30.000	336.10	10083.00
78	BSR_2020_43315	Providing & fixing Chlorinated polyvinyl Chloride (CPVC) Pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls. 25 mm nominal outer dia pipes	metre	20.000	420.00	8400.00
79	BSR_2020_43316	Providing & fixing Chlorinated polyvinyl Chloride (CPVC) Pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls. 32 mm nominal outer dia pipes	metre	25.000	537.10	13427.50
80	BSR_2020_17.24	Providing and fixing white vitreous china squatting plate urinal with integral rim longitudinal flush pipe.	Each	4.000	2381.30	9525.20
81	BCD_2020_18.21.1.1	Providing and fixing uplasticised PVC connection pipe with brass unions : 30 cm length ,15 mm nominal bore	each	21.000	72.80	1528.80
82	BCD_2020_17.28.2.2	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 40 mm dia	each	12.000	101.10	1213.20
83	BCD_2020_18.38.6	Painting of GI pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat, both of approved quality for new work : 50 mm dia. nominal bore	metre	45.000	28.50	1282.50
84	BCD_2020_18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fitting and base support for tank.	per litre	4000.000	8.80	35200.00

85	BCD_2020_18.58.1.2	Providing and fixing PTMT grating of approved quality and colour. 125 mm nominal dia with 25 mm waste hole	each	12.000	51.30	615.60
86	BCD_2020_18.65	Providing & fixing PTMT soap dish Holder having length of 138mm,breadth 102mm, height of 75mm with concealed fitting arrangements.Weighing not less than 106gms.	each	4.000	130.50	522.00
87	BCD_2020_19.1.3	Providing, laying and jointing glazed stone ware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1cement : 1 fine sand) including testing of joints etc complete. 200 mm diameter	metre	24.000	667.30	16015.20
88	BCD-2020_12.39	Making khurra 45x45cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over PVC sheet 1mx1mx400 micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete :	Each	8.000	178.00	1424.00
89	BCD_2020.12.78.2	Providing and fixing on wall face unplastidsed-PVC(working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. 110mm diameter	Metre	12.000	252.60	3031.20
90	BCD_2020_12.81	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	Each	6.000	47.30	283.80
91	BSR_2020_24.1.1.1	Boring/drilling bore well of required dia for casing / strainer pipe, by suitable method prescribed in IS:2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer - in-charge, upto 90 metre depth below ground level. All type of soil. 300mm dia	metre	90.000	426.00	38340.00
92	BSR_2020_24.2.1.1	Boring/drilling bore well of required dia for casing / strainer pipe, by suitable method prescribed in IS:2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer - in-charge, beyound 90 metre & upto 150 metre depth below ground level. All type of soil. 300mm dia	metre	30.000	497.10	14913.00
93	BSR_2020_24.4.3	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge. 200 mm nominal size dia	metre	120.000	1128.20	135384.00
94	BSR_2020_18.7.5	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. 40 mm nominal outer dia Pipes	metre	40.000	527.40	21096.00
95	BSR_2020_24.8	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer- in -charge.	cum	10.000	1388.90	13889.00

96	BSR_2020_24.12	Development of tube well in accordance with IS:2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in- Charge.	Hour	36.000	857.60	30873.60
97	BSR_2020_24.13.3	Providing and fixing suitable size threaded mild steel cap or spot as per requirement, all complete for borewell of 200 mm nominal size dia	each	2.000	281.00	562.00
98	BSR_2020_24.14.3	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete. 200 mm nominal size dia	each	2.000	1307.70	2615.40
99	BSR_2020_5.1.3	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 : 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size) mix for sanitary sealing of well at top (approx. 5m from top).	cum	1.000	4173.00	4173.00
100	Gem Portal Product id: 5116877-16305745613	Kirloskar 5.5 kiloWatt 2.5 LPS Three Phase-Submersible Pump Set	Each	1.000	41000.00	41000.00
101	Gem Portal Product id: 5116877-46460792806	LB115L/H LUBI MAKE 5 HP. 80MM X 65MM 5 HP 3 PHASE CENTRIFUGAL MONOBLOCK PUMP	each	1.000	27670.00	27670.00
102	24.15.3	Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I). 200 mm nominal size dia	each	3.000	307.70	923.10
103	DSR E&M 1.17.22	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 4 X 4 sqmm	m	50.000	156.00	7800.00
104	Gem Id: 5116877-51625778365	PVC GARDEN PIPE, inner dia 25 mm	m	50.000	47.87	2393.50
105	Gem Id: 5116877-81998855488	HOSE CLIP 25MM	each	25.000	10.00	250.00
106	Gem Id: 5116877-41747375329	Supplying and fixing 3 Phase Starter Pannel ISI marked reputed Brand. As per direction of engineer encharge. Larsen & Toubro 3 HP Starters Control Panel for Submersible Pump	each	1.000	3599.00	3599.00
107	BCD SOR 2020_18.9.10	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. 150 mm nominal inner dia Pipes	metre	80.000	5654.30	452344.00
108	BCD_2020_2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	cum	11.520	360.70	4155.26
109	BCD_2020_5.9.3	Centring and Shuttering for: Suspended floors, roofs, landings, balconies and access platform	sqm	5.760	412.20	2374.27

110	BCD_2020_5.33.1	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately). All works upto plinth level	cum	0.720	4952.60	3565.87
111	BCD_2020_5.22.7A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars TMTC-500-8mm dia.	kg	54.000	70.60	3812.40
112	BCD_2020_6.1A/6.1.12/1	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :4 (1 cement: 4 coarse sand)	cum	7.200	5048.20	36347.04
113	BCD_2020_6.18.3B	Half brick masonry with bricks of class designation 100B in foundations and plinth in : Cement mortar 1:3 (1 cement: 3 coarse sand)	sqm	5.760	588.80	3391.49
114	BCD_2020_4.1.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1:2 (1 cement: 1 coarse sand:2 graded stone aggregate 20 mm nominal size)	cum	0.576	5652.80	3256.01
115	BCD_2020_13.13.2	20 mm external plaster work (coarse Sand) 1: 4(1 cement: 4 coarse sand)	sqm	38.400	200.80	7710.72
116	BCD_2020_16.49	Making bell mouth opening/ entrance of size 100x50x50 cm for drainage pipe under footpath, including providing cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) for shape of bell mouth, including plastering providing and fixing precast R.C.C./ S.F.R.C. slab including plastering with cement mortar 1:3 (1 cement : 3 fine sand) of 6 mm thickness on exposed surface of the slab & bell mouth including centring, shuttering & neat cement punning inside the bell mouth etc. all complete.	each	4.000	1492.70	5970.80
117	BCD_2020_19.18.2	Supplying and fixing C.I. cover without frame for manholes: 500mm diameter c.i cover (light duty) the weight of the cover to be not less than 58 kg	each	4.000	3159.40	12637.60
118	BSR_2020_1.3.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit with modular switch , modular plate, suitable size G.I. box etc as required.	point	45.000	724.00	32580.00
119	BSR_2020_1.7.1	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	metre	240.000	130.00	31200.00
120	BSR_2020_1.7.2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	metre	90.000	161.00	14490.00
121	BSR_2020_1.7.3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 4 sq. mm + 1 X 4 sq. mm earth wire	metre	40.000	200.00	8000.00
122	BSR_2020_1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	each	21.000	362.00	7602.00
123	BSR_2020_1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection, painting etc. as required.	each	10.000	413.00	4130.00

124	BSR_2020_2.19	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	each	4.000	996.00	3984.00
125	BSR_2020_1.28.1	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required. 1 Module	each	2.000	85.00	170.00
126	BSR_2020_1.28.2	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required. 2 Module	each	2.000	85.00	170.00
127	BSR_2020_1.28.3	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required. 3 Module	each	3.000	100.00	300.00
128	BSR_2020_1.28.4	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required. 4 Module	each	2.000	106.00	212.00
129	BSR_2020_1.27.1	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required. 1 or 2 Module	each	2.000	180.00	360.00
130	BSR_2020_1.27.3	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required. 4 Module (125mmX75mm)	each	2.000	225.00	450.00
131	BSR_2020_1.27.4	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required. 6 Module (200mmX75mm)	each	3.000	275.00	825.00
132	BSR_2020_1.27.5	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required. 8 Module (125mmX125mm)	each	2.000	334.00	668.00
133	BSR_2020_1.34	Supplying and fixing brass batten/ angle holder including connection etc. as required.	each	6.000	46.00	276.00
134	BSR_2020_1.50.1	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. Upto 450 mm sweep	each	11.000	198.00	2178.00
135	BSR_2020_1.51	Extra for fixing the louvers shutters complete with frame for a exhaust fan of all sizes	each	11.000	83.00	913.00
136	BSR_2020_2.10.1	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.) 4 way (4 + 12), SINGLE door	each	1.000	5320.00	5320.00
137	BSR_2020_2.16.1	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps	each	2.000	495.00	990.00
138	BSR_2020_2.12.1	Supplying and fixing following rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. 6/32 amps, Single pole	each	4.000	192.00	768.00
139	BSR_2020_2.14	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required	each	10.000	13.00	130.00

140	BSR_2020_3.3	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	set	1.000	3785.00	3785.00
141	BSR_2020_3.8	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ termination with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping with 2 sets of brass nut bolt and & spring washer spaced at 50 mm)	metre	10.000	898.00	8980.00
142	BSR_2020_3.14	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	metre	10.000	1032.00	10320.00
143	BSR_2020_2204	4 core, 16 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor	metre	40.000	105.70	4228.00
144	BSR_2020_7.5.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required. Upto 120 sq. mm	metre	30.000	197.00	5910.00
145	BSR_2020_7.4.1	Fixing for laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. Upto 35 sq. mm (Clamped with 1 mm thick saddle)	each	10.000	29.00	290.00
146	BSR_2020_4.2	Providing and fixing lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	each	1.000	188.00	188.00
147	BSR_2020_4.3	Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required.	each	1.000	154.00	154.00
148	BSR_2020_4.4	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	each	6.000	87.00	522.00
149	BSR_2020_4.7	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	metre	6.000	71.00	426.00
150	BSR_2020_4.8	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	metre	6.000	99.00	594.00
151	BSR_2020_2152	LED lamp 10/12 W	each	28.000	127.50	3570.00
152	BSR_2020_2327	12"(300mm) metal exhaust fan of approved make	each	11.000	960.00	10560.00
153	BSR_2020_2326	Celling Fan	each	2.000	1250.00	2500.00
154	MR	Supply of 16 M high mast lighting system with its accessories. Mast shaft shall be in two sections with steel material confirming to BSEN 10025 grade S355 , hot dip galvanised confirming to BSEN ISO 1461 and suitable for wind velocity as per IS 875. It shall also include accessories for 'high mast including head frame, steel wire rope 6 mm dia (7/19 construction), trailing cable, double drum winch, Galvanised Lantern carriage arrangement suitable for 8 luminaires 'symmetrically & its control gear boxes and lightning finial. The mast shall have an integral powertool installed inside the base compartment for its operation. Luminaire wiring materials not included in the mast supply prices.	each	2.00	197287.00	394574.00
155	MR	Supply of foundation bolts manufactured from special steel along with nuts, washers, anchor plates and templates.	Set	2.00	10500.00	21000.00
156	MR	Supply of LED floodlight luminaire including all accessories and silicon filled potted driver , IP - 66 protection, model-LFLN-200-CDL/60-M of CROMPTON Driver must have BIS registered.	nos.	16.00	20400.00	326400.00
157	MR	Supply of LED aviation obstruction lights	nos.	2.00	6180.00	12360.00
158	MR	Supply of control panel housing 32 A TPN MCB incomer, double dial timer contactor circuit for the automatic control of luminaries, outgoing terminals and control circuit for the power tool motor	nos	2.00	28580.00	57160.00

159	MR	Design, casting of suitable R.C.C foundation with M-20 grade concrete considering SBC of soil as per actual site condition	nos.	2.00	98750.00	197500.00
160	MR	Providing and fixing lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	each	2.00	188.00	376.00
161	MR	Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required.	each	2.00	154.00	308.00
162	MR	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	each	36.00	87.00	3132.00
163	MR	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	metre	36.00	71.00	2556.00

