



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

सं.सं: भा.बि.प्रा./पू.क्षे./कोल/उप-प्रभाग-I/W-C-03/2020-21/
Ref. AAI/ER/Kol/Sub.Div.-I/W-C-03/2020-21/613

दिनांक: 23/09/2020

Date: 23/09/2020

सेवा में / To,

M/s J.K. Electric Engineering Works
2 No. Motilal Colony, Mazumdar Para
P.O.: Italgacha, Kolkata 700079.

विषय/ Sub :- Provision of 02 nos. frangible hut at 19L GP & 19L LLZ inside operational area at NSCBI Airport, Kolkata (SH: - Electrical Works).

संदर्भ / Ref.- (i) E-Tender ID No.: -2019_AAI_43952_1
(ii) E-Tender opened on 01/07/2020 (Financial Bid).

Dear Sir(s),

1. उपर्युक्त कार्य हेतु आपका ऑफर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है, आपके द्वारा बताए गए मद मूल्यों पर आपकी ऑफर राशि कुल रु. **28,52,008.00** (रुपये अट्ठाइस लाख बावन हजार आठ मात्र) जीएसटी के सिवा, जो कि टेंडर की अनुमानित / न्यायोचित निविदा राशी रु. **38,59,450.00** से **26.10%** (छब्बीस दशमलव एक प्रतिशत) नीचे है।

Your tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, for the sum of **Rs. 28,52,008.00** (Rupees Twenty-Eight Lakh Fifty-Two Thousand and Eight only) excluding GST, which is **26.10% (Twenty-Six Point One Zero Percent)** below the Justified Cost of **Rs. 38,59,450.00** put to tender (without GST).

2. संयुक्त महाप्रबन्धक (अभि.-वि.), पू.क्षे., भा.वि.प्रा, ने. सु. च. बो. अ. हवाई अड्डा, कोलकाता 700052 इस कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है कि आपकी ओर से आप अथवा आपके दरा अधिकृत प्रतिनिधि नियुक्त करें जो करारनामे पर हस्ताक्षर करने के लिए अधिकृत हो तथा वह दिनांक 08-10-2020 तक संयुक्त महाप्रबन्धक (अभि.-वि.), पू.क्षे., भा.वि.प्रा, ने. सु. च. बो. अ. हवाई अड्डा, कोलकाता 700052 के कार्यालय में करारनामे पर हस्ताक्षर करने एवं उसको पूरा करने हेतु उपस्थित हों। ठेके का करारनामा रु. 100/- (रु. एक सौ) मात्र के नॉनज्यूडीशियल स्टैम्प पेपर पर निष्पादित किया जाएगा तथा पेपर का खर्च आपके द्वारा वहन किया जाएगा।

The Jt.GM (Engg.-Elect.), ER, AAI, N.S.C.B.I. Airport, Kolkata 700052 shall be the Engineer-in-charge of the work. You are requested to attend the office of Jt. GM (Engg.-Elect.), ER, Airports Authority of India, NSCBI Airport, Kolkata 700052 by **08-10-2020** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value **Rs. 100/-** (Rupees Hundred only) and the cost of the stamp paper shall be borne by you.

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3. आपके टेंडर के साथ प्राप्त धरोदर राशि रु. 77,006.00 (रुपये सत्तरहजार और छहमात्र) निविदा दस्तावेज पर दी गई शर्त 1ए के अनुसार जमानत राशि परिवर्तित कर दी गई है। कृपया इस पत्र के जारी होने की तिथि से 10 दिनों के भीतर जमानत राशि की बकाया रु. 2,08,195.00 (रुपये दो लाख आठ हजार एक सौ पंचानवे मात्र) अदा की जाए अन्यथा निविदा दस्तावेज के धारा 1ए के अनुसार उक्त राशि रनिंग बिल से कटौती की जाएगी।

The earnest money amount of **Rs. 77,006.00 (Rupees Seventy-Seven Thousand and Six only)** received along with your tender will be treated and converted as part of Security Deposit as per **NIT Clause No. 1A** of tender document. Please deposit **Rs. 2,08,195.00 (Rupees Two Lakh Eight Thousand One Hundred and Ninety-Five only)** towards Security Deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted as per **Clause 1A** of the tender document.

4. आपसे निवेदन है कि आप केंद्रीय और राज्य सरकारों 1970 के अधिनियम श्रम अनुबंध नियम तथा 1971 के केंद्रीय नियम (नियमन तथा उन्मूलन) एवं केंद्र तथा राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों के प्रावधानों का अनुपालन अवश्य करें।

You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central rules 1971 and minimum wages act and rules thereof Central and State Governments.

5. आपको निर्देश दिया जाता है कि आप तुरंत संयुक्त महाप्रबन्धक (अभि-वि.), पू.क्षे., भा.वि.प्रा, 1st फ्लोर, न्यू ओपरेशनल कमप्लेक्स, ने. सु. च. बो. अ. हवाई अड्डा, कोलकाता 700052 से मिलें वह आपको साईट सौंपने की व्यवस्था करेंगे।

You are directed to contact with the **Jt. General Manager (E-E), ER, Airports Authority of India, 1st Floor, New Operational Complex, NSCBI Airport, Kolkata 700052** who will arrange to hand over the site to you.

6. साइट पर किसी भी सामग्री की खरीद से पहले अभियंता प्रभारी से मेक और तकनीकी डाटा शीट की पूर्व स्वीकृति प्राप्त की जानी चाहिए।

Prior approval of make and technical data sheet should be obtained from Engineer-in-charge before procurement of any materials at site.

7. कृपयानोटकरलेंकि कार्यसमाप्त करने का समय 04 (चार) महीना है जो कि इस पत्र को जारी होने की 10 वें दिन से गिना जाएगा।

Please note that the time allowed for carrying out the work shall be **04 (Four) months** and same shall be reckoned from the 10th day after the date of issue of this letter.

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8. इस ठेके के संबंध में आगे का कोई भी पत्राचार इंजीनियर-इन-चार्ज को किया जाएगा ।

Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-charge.

9. कृपया पावती भेजें और स्वीकृति प्रतिलिपि के तौर पर संलग्नित पत्र की हस्ताक्षरित प्रति इस कार्यालय को अवश्य भेजें ।

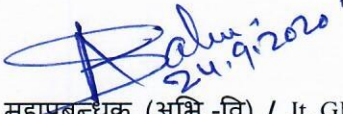
Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.

10. यदि अंग्रेज़ी और हिन्दी पाठ में कोई असंगति पाया जाता है तो अंग्रेज़ी पाठ को सही माना जाएगा ।

If there is any discrepancy between English and Hindi then meaning derived in English will be given precedence.

संलग्न /Encl: Schedule of Work.

निष्ठापूर्वक / Yours faithfully,


24.9.2020

संयुक्त महाप्रबन्धक (अभि.-वि) / Jt. GM(E-E)

भा. बि. प्रा., पू.क्षे /AAI, E.R

ने. सु. च. बो. अ. हवाई अड्डा / NSCBI Airport

कोलकाता 700052/Kolkata 700052.

AIRPORTS AUTHORITY OF INDIA

SCHEDULE OF WORK

Name of Work: Provision of 02 nos. frangible hut at 19L GP & 19L LLZ inside operational area at NSCBI Airport, Kolkata. (SH:-Electrical Works)

SN	DESCRIPTION	QTY	UNIT	Rate (Rs) (Without GST)	Amount (without GST) Rs.
	SH:1 E & M works for 19LGP.				
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required including providing 3 nos. blanking plate in each of 3 switchboards.	14.00	Point	792.00	11088.00
2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS 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	30.00	Meter	135.00	4050.00
3	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 5/6 Amp switch	3.00	Each	68.00	204.00
4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 3 pin 5/6 Amp socket outlet	3.00	Each	130.00	390.00
5	Supply and fixing of U PVC adaptable trunking system of following sizes with suitable covers on top, internal & external angle, flat angle, flat junction, angled junction, joints, end caps, plate junction, clip etc as per site condition complete as required. min 100 x 50 mm	180.00	Meter	900.00	162000.00
6	Supply and fixing of U PVC adaptable trunking system of following sizes with suitable covers on top, internal & external angle, flat angle, flat junction, angled junction, joints, end caps, plate junction, clip etc as per site condition complete as required. min 50 x 50 mm	40.00	Meter	630.00	25200.00
7	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 25 mm	30.00	Meter	72.00	2160.00
8	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit/trunking as required. 3 x 4.0 sq. mm	264.00	Meter	100.00	26400.00
9	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit/trunking as required. 3 x 6 sq. mm	43.00	Meter	150.00	6450.00
10	Supply and fixing of module mounting box suitable for fixing in cable trunking with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. all accessories for fixing the same complete as required.	7.00	Each	500.00	3500.00

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SN	DESCRIPTION	QTY	UNIT	Rate (Rs) (Without GST)	Amount (without GST) Rs.
11	Supply and fixing of module mounting box suitable for fixing in cable trunking 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. all accessories for fixing the same complete as required.	9.00	Each	300.00	2700.00
12	Supplying and fixing suitable size PVC box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	4.00	Each	350.00	1400.00
13	Supplying and fixing suitable size PVC box with modular plate including supply and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	6.00	Each	290.00	1740.00
14	Supplying and fixing 30 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 30 A "C" curve, TPNMCB, 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.	4.00	Each	3800.00	15200.00
15	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. 4 way (4 + 12), Double door	2.00	Each	6500.00	13000.00
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc.as required. (But without MCB/RCCB/Isolator) 8 way, Double door	1.00	Each	1200.00	1200.00
17	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 6-32 A 240 V "C" curve SPN MCB complete with connections, testing and commissioning etc. as required.	4.00	Each	400.00	1600.00
18	Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole	16.00	Each	135.00	2160.00
19	Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole & Neutral	3.00	Each	410.00	1230.00
20	Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Triple pole	4.00	Each	678.00	2712.00
21	Supplying and fixing following rating, three phase and neutral, 415 volts, MCB, C curve in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63 A	2.00	Each	915.00	1830.00
22	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	8.00	each	7.00	56.00
23	SITC of Type 2, 1 phase MOV based surge protection device for 40 kA total discharge current (8/20 µSec) as per IEC including providing enclosure, mounting arrangement and interconnections complete as required.	1.00	Each	8000.00	8000.00
24	SITC of Type 2, 3 phase MOV based surge protection device for 40 kA total discharge current (8/20 µSec) as per IEC including providing enclosure, mounting arrangement and interconnections complete as required.	2.00	Each	9000.00	18000.00

Handwritten signature and date:
24.9.2020

SN	DESCRIPTION	QTY	UNIT	Rate (Rs) (Without GST)	Amount (without GST) Rs.
25	Supply of following size 1.1 kv grade, XLPE insulated and PVC inner sheathed Aluminum conductor armored power cable conforming to IS: 7098 (Part 1) with up to date amendments etc. complete as required. 2 core x 6 sq.mm	150.00	Meter	65.00	9750.00
26	Supply of following size 1.1 kv grade, XLPE insulated and PVC inner sheathed Aluminum conductor armored power cable conforming to IS: 7098 (Part 1) with up to date amendments etc. complete as required. 4 core x 16 sq.mm	400.00	Meter	112.00	44800.00
27	Supply of following size 1.1 kv grade, XLPE insulated and PVC inner sheathed Aluminum conductor armored power cable conforming to IS: 7098 (Part 1) with up to date amendments etc. complete as required. 4 core x 35 sq mm	200.00	Meter	185.00	37000.00
28	Laying of one number XLPE insulated PVC sheathed armoured aluminium conductor cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. Upto 35sqmm	540.00	meter	280.00	151200.00
29	Laying and fixing 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 1mm thick saddle)	130.00	Meter	40.00	5200.00
30	Supply and laying of 80 mm dia GI pipe complete with G.I. fittings for road crossing complete as required.	70.00	Meter	700.00	49000.00
31	Laying of XLPE insulated PVC sheathed armoured aluminium conductor cable of grade 1.1 KV, of following size in the existing RCC/ HUME/ METAL pipe as required. Upto 35 sq. mm	80.00	Meter	25.00	2000.00
32	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required 4 X 16 sq. mm (28mm)	7.00	each	150.00	1050.00
33	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required 4 X 35 sq. mm (32mm)	4.00	each	250.00	1000.00
34	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal/ coke and salt) as required.	2.00	Set	4000.00	8000.00
35	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	110.00	Meter	350.00	38500.00
36	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	16.00	Meter	150.00	2400.00
37	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	186.00	Meter	35.00	6510.00
38	SITC of 2 x 20 WATT Batten type LED tube light fittings with 2 nos LED tube suitable to operate with 230V AC power supply as per tender specifications complete as required.	10.00	Each	2000.00	20000.00
39	SITC of 1 x 20 WATT Batten type LED tube light fittings with LED tube suitable to operate with 230V AC power supply as per tender specifications complete as required.	2.00	Each	450.00	900.00
40	SITC of 40 watt LED street light luminaire along with supply and fixing of medium class G.I. bend on wall etc as per tender specifications complete as required.	6.00	Each	3000.00	18000.00

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24.9.2020

SN	DESCRIPTION	QTY	UNIT	Rate (Rs) (Without GST)	Amount (without GST) Rs.
41	Supplying and fixing of thermoplastic circuit breaker box 1 row 4 modules of min IP 65 with metric knockouts and terminals and fixing on wall surface with suitable clamps, etc. complete as required.	2.00	Each	1500.00	3000.00
42	Supplying and fixing of analogue time switch for automatic switching On & Off of street lights mounted in thermoplastic box of min IP 65 with metric knockouts and terminals for terminating min 3 nos. 2 x 6 sqmm 1.1kV Al power cable and fixing on wall surface with suitable clamps, etc. complete with connections, testing and commissioning as required.	1.00	Each	5000.00	5000.00
43	Supply and fixing of thermoplastic cable junction box min IP 65 with metric knockouts for cable entry, to terminate min 3 nos. 2 x 6 sqmm 1.1kV Al power cable for streetlight and fixing on wall surface with suitable clamps, etc. complete as required.	6.00	Each	1700.00	10200.00
44	Supplying and making end termination with synthetic threaded cable gland and aluminium lugs in the existing thermoplastic box for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required 2 X 6 sq. mm	23.00	each	200.00	4600.00
45	Supplying and making end termination with synthetic threaded cable gland and aluminium lugs in the existing thermoplastic box for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required 4 X 16 sq. mm	1.00	each	350.00	350.00
46	Supply of min 450 mm sweep pedestal fan suitable for use on. 230/240 volts, 50 Hz, single phase, A.C. supply.	2.00	Each	3500.00	7000.00
47	Supply of min 200 mm sweep 900 to 1350 RPM, light weight exhaust fan with shutter complete as required suitable for use on 230/240 volts, 50 Hz, single phase, A.C. supply. .	1.00	Each	1400.00	1400.00
48	Installation of exhaust fan upto 450 mm sweep in the existing opening, including making the hole to suit the size of the above fan, making good the damage, connection, testing, commissioning etc. as required.	1.00	Each	500.00	500.00
49	Supply and fixing of min 6 watt wall mountable LED Emergency Light having minimum battery capacity of 2000 mAh suitable for 230Volt,50 Hz, Single Phase Power supply.	2.00	Each	1000.00	2000.00
50	Supply of min 5 watt portable handheld rechargeable LED Emergency Light having minimum battery capacity of 4400 mAh suitable for 230Volt,50 Hz,Single Phase Power supply.	1.00	Each	1700.00	1700.00
51	Supply of 3 TR hi wall split Air-conditioner with indoor unit, outdoor unit with copper condenser tubes, cordless remote & suitable for operation on 415V, 50Hz, Three phase AC supply	4.00	Each	57500.00	230000.00
52	ITC of split AC of cooling capacity 3 TR including fixing of indoor & outdoor units, providing & fixing of suitable refrigerant piping, control cabling and drain pipe (upto length of 4.0 meters), leakage testing, providing & charging of refrigerant gas etc. complete as required as per site condition and as per the direction of E-I-C.	4.00	Each	7500.00	30000.00
53	Supply & fixing of suitable size Iron Angle stand suitable for installation of outdoor unit of split air-conditioners including painting etc. complete as required.	4.00	Job	2500.00	10000.00

Handwritten signature and date:
24.9.2020

SN	DESCRIPTION	QTY	UNIT	Rate (Rs) (Without GST)	Amount (without GST) Rs.
54	Supply, Installation, Testing & Commissioning of dust and vermin proof floor mounted Outdoor type LT feeder pillar panel of min IP 65 suitable for 415 volts, 3 phase, 50 HZ A.C. and including supply and fixing following switchgears complete as required:- (a) Incoming:- 160 A, 36KA FP MCCB - 3 nos. 160 A auto change over switch, auto manual selector switch with controller - 1 no. 160 A manual changeover switch - 1 no. Surge protection device (Type 1+2, 3 ph spark gap based 100 KA 10/350 μ s) to be provided at each incomer. (b) Outgoing:- 63A, 25KA, FP MCCB - 3 nos. 32A, 25kA, FP MCCB - 3 nos. (c) 415V, 3 phase, 200A 4 strip Aluminium Bus bar with colour coded sleeves-1 Set (d) LED type R/Y/B Indication lamp with 2A HRC backup fuse for all incomers (e) Digital Multifunction meter with required CTs of class 0.5s, 3 Phase with inbuilt RS 485 port - 4 sets All MCCBs to be provided with rotary handle & spreader links. Earth bus should be provided throughout the length of the panel.	1.00	Each	368000.00	368000.00
55	SITC of powder coated microprocessor based 2 zone conventional type Fire Detection and Alarm panel having LED indicators 7 LCD display (showing Fire / Open / Short / Isolate) suitable to support all types of conventional device, lamp test / silence / rest facility, suitable dry contact and auto dialer interfacing facility with suitable standard auxiliary power supply of 12V DC including necessary maintenance free battery and battery charger as per specification attached and as directed by Engineer-in-Charge.	1.00	Job	13000.00	13000.00
56	SITC of suitable 3-G GSM Auto-dialer for 9 programmable Telephone numbers compatible to the above fire alarm panel suitable to support all types of security device and FDA system as per specification attached and as directed by Engineer-in-Charge.	1.00	Job	14000.00	14000.00
57	SITC of Optical type Conventional Photo Electric Smoke Detector with LED and mounting base including electrical connection etc. complete as required or as approved by EIC.	6.00	Each	1450.00	8700.00
58	SITC of Conventional type Manual Call Point with mounting base compatible with the above fire alarm panel	1.00	Each	800.00	800.00
59	SITC of Response Indicator with mounting base compatible with the above fire alarm panel	2.00	Each	162.00	324.00
60	Supply and drawing of 2C x 1.5 Sq.mm PVC insulated, copper armoured cable as required and as directed by EIC.	50.00	Mtr.	135.00	6750.00
61	SITC of Conventional Electronic Fire hooters suitable for the above fire alarm panel as directed by Engineer-in-Charge.	1.00	Each	1100.00	1100.00
	SH:1 E & M works for 19LLLZ.				
62	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required including providing 3 nos. blanking plate in each of 3 switchboards.	14.00	Point	792.00	11088.00
63	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS 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	30.00	Meter	135.00	4050.00

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SN	DESCRIPTION	QTY	UNIT	Rate (Rs) (Without GST)	Amount (without GST) Rs.
64	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 5/6 Amp switch	3.00	Each	68.00	204.00
65	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 3 pin 5/6 Amp socket outlet	3.00	Each	130.00	390.00
66	Supply and fixing of U PVC adaptable trunking system of following sizes with suitable covers on top, internal & external angle, flat angle, flat junction, angled junction, joints, end caps, plate junction, clip etc as per site condition complete as required. min 100 x 50 mm	180.00	Meter	900.00	162000.00
67	Supply and fixing of U PVC adaptable trunking system of following sizes with suitable covers on top, internal & external angle, flat angle, flat junction, angled junction, joints, end caps, plate junction, clip etc as per site condition complete as required. min 50 x 50 mm	40.00	Meter	630.00	25200.00
68	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 25 mm	30.00	Meter	72.00	2160.00
69	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit/trunking as required. 3 x 4.0 sq. mm	264.00	Meter	100.00	26400.00
70	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit/trunking as required. 3 x 6 sq. mm	43.00	Meter	150.00	6450.00
71	Supply and fixing of module mounting box suitable for fixing in cable trunking with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. all accessories for fixing the same complete as required.	7.00	Each	500.00	3500.00
72	Supply and fixing of module mounting box suitable for fixing in cable trunking 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. all accessories for fixing the same complete as required.	9.00	Each	300.00	2700.00
73	Supplying and fixing suitable size PVC box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	4.00	Each	350.00	1400.00
74	Supplying and fixing suitable size PVC box with modular plate including supply and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	6.00	Each	290.00	1740.00
75	Supplying and fixing 30 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 30 A "C" curve, TPNMCB, 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.	4.00	Each	3800.00	15200.00

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SN	DESCRIPTION	QTY	UNIT	Rate (Rs) (Without GST)	Amount (without GST) Rs.
76	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. 4 way (4 + 12), Double door	2.00	Each	6500.00	13000.00
77	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc.as required. (But without MCB/RCCB/Isolator) 8 way, Double door	1.00	Each	1200.00	1200.00
78	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 6-32 A 240 V "C" curve SPN MCB complete with connections, testing and commissioning etc. as required.	4.00	Each	400.00	1600.00
79	Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole	16.00	Each	135.00	2160.00
80	Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole & Neutral	3.00	Each	410.00	1230.00
81	Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Triple pole	4.00	Each	678.00	2712.00
82	Supplying and fixing following rating, three phase and neutral, 415 volts, MCB, C curve in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63 A	2.00	Each	915.00	1830.00
83	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	8.00	each	7.00	56.00
84	SITC of Type 2, 1 phase MOV based surge protection device for 40 kA total discharge current (8/20 μ Sec) as per IEC including providing enclosure, mounting arrangement and interconnections complete as required.	1.00	Each	8000.00	8000.00
85	SITC of Type 2, 3 phase MOV based surge protection device for 40 kA total discharge current (8/20 μ Sec) as per IEC including providing enclosure, mounting arrangement and interconnections complete as required.	2.00	Each	9000.00	18000.00
86	Supply of following size 1.1 kv grade, XLPE insulated and PVC inner sheathed Aluminum conductor armored power cable conforming to IS: 7098 (Part 1) with up to date amendments etc. complete as required. 2 core x 6 sq.mm	150.00	Meter	65.00	9750.00
87	Supply of following size 1.1 kv grade, XLPE insulated and PVC inner sheathed Aluminum conductor armored power cable conforming to IS: 7098 (Part 1) with up to date amendments etc. complete as required. 4 core x 16 sq.mm	400.00	Meter	112.00	44800.00
88	Supply of following size 1.1 kv grade, XLPE insulated and PVC inner sheathed Aluminum conductor armored power cable conforming to IS: 7098 (Part 1) with up to date amendments etc. complete as required. 4 core x 35 sq mm	200.00	Meter	185.00	37000.00
89	Laying of one number XLPE insulated PVC sheathed armoured aluminium conductor cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. Upto 35sqmm	540.00	meter	280.00	151200.00

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SN	DESCRIPTION	QTY	UNIT	Rate (Rs) (Without GST)	Amount (without GST) Rs.
90	Laying and fixing 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 1mm thick saddle)	130.00	Meter	40.00	5200.00
91	Supply and laying of 80 mm dia GI pipe complete with G.I. fittings for road crossing complete as required.	70.00	Meter	700.00	49000.00
92	Laying of XLPE insulated PVC sheathed armoured aluminium conductor cable of grade 1.1 KV, of following size in the existing RCC/HUME/METAL pipe as required. Upto 35 sq. mm	80.00	Meter	25.00	2000.00
93	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required 4 X 16 sq. mm (28mm)	7.00	each	150.00	1050.00
94	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required 4 X 35 sq. mm (32mm)	4.00	each	250.00	1000.00
95	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal/ coke and salt) as required.	2.00	Set	4000.00	8000.00
96	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	110.00	Meter	350.00	38500.00
97	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	16.00	Meter	150.00	2400.00
98	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	186.00	Meter	35.00	6510.00
99	SITC of 2 x 20 WATT Batten type LED tube light fittings with 2 nos LED tube suitable to operate with 230V AC power supply as per tender specifications complete as required.	10.00	Each	2000.00	20000.00
100	SITC of 1 x 20 WATT Batten type LED tube light fittings with LED tube suitable to operate with 230V AC power supply as per tender specifications complete as required.	2.00	Each	450.00	900.00
101	SITC of 40 watt LED street light luminaire along with supply and fixing of medium class G.I. bend on wall etc as per tender specifications complete as required.	6.00	Each	3000.00	18000.00
102	Supplying and fixing of thermoplastic circuit breaker box 1 row 4 modules of min IP 65 with metric knockouts and terminals and fixing on wall surface with suitable clamps, etc. complete as required.	2.00	Each	1500.00	3000.00
103	Supplying and fixing of analogue time switch for automatic switching On & Off of street lights mounted in thermoplastic box of min IP 65 with metric knockouts and terminals for terminating min 3 nos. 2 x 6 sqmm 1.1kV Al power cable and fixing on wall surface with suitable clamps, etc. complete with connections, testing and commissioning as required.	1.00	Each	5000.00	5000.00
104	Supply and fixing of thermoplastic cable junction box min IP 65 with metric knockouts for cable entry, to terminate min 3 nos. 2 x 6 sqmm 1.1kV Al power cable for streetlight and fixing on wall surface with suitable clamps, etc. complete as required.	6.00	Each	1700.00	10200.00

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SN	DESCRIPTION	QTY	UNIT	Rate (Rs) (Without GST)	Amount (without GST) Rs.
105	Supplying and making end termination with synthetic threaded cable gland and aluminium lugs in the existing thermoplastic box for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required 2 X 6 sq. mm	23.00	each	200.00	4600.00
106	Supplying and making end termination with synthetic threaded cable gland and aluminium lugs in the existing thermoplastic box for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required 4 X 16 sq. mm	1.00	each	350.00	350.00
107	Supply of min 450 mm sweep pedestal fan suitable for use on. 230/240 volts, 50 Hz, single phase, A.C. supply.	2.00	Each	3500.00	7000.00
108	Supply of min 200 mm sweep 900 to 1350 RPM, light weight exhaust fan with shutter complete as required suitable for use on 230/240 volts, 50 Hz, single phase, A.C. supply. .	1.00	Each	1400.00	1400.00
109	Installation of exhaust fan upto 450 mm sweep in the existing opening, including making the hole to suit the size of the above fan, making good the damage, connection, testing, commissioning etc. as required.	1.00	Each	500.00	500.00
110	Supply and fixing of min 6 watt wall mountable LED Emergency Light having minimum battery capacity of 2000 mAh suitable for 230Volt,50 Hz, Single Phase Power supply.	2.00	Each	1000.00	2000.00
111	Supply of min 5 watt portable handheld rechargeable LED Emergency Light having minimum battery capacity of 4400 mAh suitable for 230Volt,50 Hz,Single Phase Power supply.	1.00	Each	1700.00	1700.00
112	Supply of 3 TR hi wall split Air-conditioner with indoor unit, outdoor unit with copper condenser tubes, cordless remote & suitable for operation on 415V, 50Hz, Three phase AC supply	4.00	Each	57500.00	230000.00
113	ITC of split AC of cooling capacity 3 TR including fixing of indoor & outdoor units, providing & fixing of suitable refrigerant piping, control cabling and drain pipe (upto length of 4.0 meters), leakage testing, providing & charging of refrigerant gas etc. complete as required as per site condition and as per the direction of E-I-C.	4.00	Each	7500.00	30000.00
114	Supply & fixing of suitable size Iron Angle stand suitable for installation of outdoor unit of split air-conditioners including painting etc. complete as required.	4.00	Job	2500.00	10000.00
115	Supply, Installation, Testing & Commissioning of dust and vermin proof floor mounted Outdoor type LT feeder pillar panel of min IP 65 suitable for 415 volts, 3 phase ,50 HZ A.C. and including supply and fixing following switchgears complete as required:- (a) Incoming:- 160 A , 36KA FP MCCB - 3 nos. 160 A auto change over switch, auto manual selector switch with controller - 1 no. 160 A manual changeover switch - 1 no. Surge protection device (Type 1+2, 3 ph spark gap based 100 KA 10/350 µs) to be provided at each incomer. (b) Outgoing:- 63A, 25KA, FP MCCB - 3 nos. 32A, 25KA, FP MCCB - 3 nos. (c) 415V, 3 phase, 200A 4 strip Aluminium Bus bar with colour coded sleeves-1 Set (d) LED type R/Y/B Indication lamp with 2A HRC backup fuse for all incomers (e) Digital Multifunction meter with required CTs of class 0.5s, 3 Phase with inbuilt RS 485 port - 4 sets All MCCBs to be provided with rotary handle & spreader links. Earth bus should be provided throughout the length of the panel.	1.00	Each	368000.00	368000.00

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SN	DESCRIPTION	QTY	UNIT	Rate (Rs) (Without GST)	Amount (without GST) Rs.
116	SITC of powder coated microprocessor based 2 zone conventional type Fire Detection and Alarm panel having LED indicators 7 LCD display (showing Fire / Open / Short / Isolate) suitable to support all types of conventional device, lamp test / silence / rest facility, suitable dry contact and auto dialer interfacing facility with suitable standard auxiliary power supply of 12V DC including necessary maintenance free battery and battery charger as per specification attached and as directed by Engineer-in-Charge.	1.00	Job	13000.00	13000.00
117	SITC of suitable 3-G GSM Auto-dialer for 9 programmable Telephone numbers compatible to the above fire alarm panel suitable to support all types of security device and FDA system as per specification attached and as directed by Engineer-in-Charge.	1.00	Job	14000.00	14000.00
118	SITC of Optical type Conventional Photo Electric Smoke Detector with LED and mounting base including electrical connection etc. complete as required or as approved by EIC.	6.00	Each	1450.00	8700.00
119	SITC of Conventional type Manual Call Point with mounting base compatible with the above fire alarm panel	1.00	Each	800.00	800.00
120	SITC of Response Indicator with mounting base compatible with the above fire alarm panel	2.00	Each	162.00	324.00
121	Supply and drawing of 2C x 1.5 Sq.mm PVC insulated, copper armoured cable as required and as directed by EIC.	50.00	Mtr.	135.00	6750.00
122	SITC of Conventional Electronic Fire hooters suitable for the above fire alarm panel as directed by Engineer-in-Charge.	1.00	Each	1100.00	1100.00
Total Amount (without GST)					2852008.00

Note:- GST Will be paid extra as per Prevailing Govt. of India.



 Jt. GM (E-E), ER
 AAI, NSCBi Airport, Kolkata

Signature Not Verified

Digitally signed by ELINA GHOSH
 Date: 2020.09.25 18:01:38 IST
 Location: eProcurement System for Central PSUs

