



सं.सं: भा.बि.प्रा./पू.क्षे./कोल/ईई/उप-प्रभाग-I/W-C-04/2023-24/61
Ref. AAI/ER/Kol/EE/Sub.Div.-I/W-C-04/2023-24/61

दिनांक: 11/05/2023
Date: 11/05/2023

सेवा में / To,
M/s Shree Gouri Electric Enterprise
AB-243, Ground Floor,
Salt Lake City, Sec-I,
Kolkata - 700064

विषय / Sub :- NSCBI हवाई अड्डे पर DVOR और संबद्ध विद्युत कार्यो का स्थानांतरण, कोलकाता।

Relocation of DVOR and allied Electrical works at NSCBI Airport, Kolkata.

संदर्भ / Ref.- (i) E-Tender ID No.: - **2023_AAI_148759_1.**
(ii) E-Tender opened on 18.04.2023 (Financial Bid).

Dear Sir(s),

- उपर्युक्त कार्य हेतु आपका प्रस्ताव अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है, आपके द्वारा बताए गए मद मूल्यों पर आपकी ऑफर राशि कुल रु. **25,98,255.00** (रूपये पच्चीस लाख अठानवे हजार दो सौ पचपन मात्र) जीएसटी के सिवा, जो कि टेंडर की न्यायोचित निविदा राशी रु. **41,35,936.34** से **37.18%** (सैंतीस बिंदु अठारह प्रतिशत) नीचे है।

Your offer for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, for the sum of **₹ 25,98,255.00** (Rupees Twenty Five Lakh Ninety Eight Thousand Two Hundred and Fifty Five only) excluding GST, which is **37.18% (Thirty Seven Point Eighteen Percent)** below the Justified Cost of **₹41,35,936.34** put to tender (without GST).

- 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 द्वारा अधिकृत प्रतिनिधि नियुक्त करें जो करारनामे पर हस्ताक्षर करने के लिए अधिकृत हो तथा वह दिनांक **20-05-2023** तक संयुक्त महाप्रबन्धक (अभि-वि.), पू.क्षे., भा.वि.प्रा. ने. सु. च. बो. अ. हवाई अड्डा, कोलकाता 700052 के कार्यालय में करारनामा पर हस्ताक्षर करने एवं उसको पूरा करने हेतु उपस्थित हों। ठेके का करारनामा रु. 100/- (रु. एक सौ) मात्र के नॉनज्यूड़ीशियल 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 **20-05-2023** 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.

Contd.

3. कृपया इस पत्र के जारी होने की तिथि से 10 दिनों के भीतर जमानत राशि की बकाया रु. 1,77,306.00 (रुपये एक लाख सतहत्तर हजार तीन सौ छह मात्र) जमा करें अन्यथा निविदा दस्तावेज के धारा 1ए, पृष्ठ संख्या 68 के अनुसार उक्त राशि रनिंग बिल से कटौती की जाएगी।

Please deposit Rs. 1,77,306.00 (Rupees One Lakh Seventy-Seven Thousand Three Hundred and Six 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, Page no. – 68 of the tender documents.

4. आपसे अनुरोध है कि अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और ठेका श्रम (विनियमन और उन्मूलन) केंद्रीय नियम 1971, बाल श्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण श्रमिक (रोजगार का विनियमन और सेवा की शर्त) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण उपकर अधिनियम 1996 और न्यूनतम मजदूरी अधिनियम 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, Child Labour (prohibition & Regulation) Act 1986, Construction Workers (Regulation of Employment and condition of Service) Act 1996, Building and Other construction Workers Welfare Cess Act 1996 and minimum wages act and rules there of Central and State Governments.

5. आपको एतद्वारा इस कार्य के लिए नियोजित की जाने वाली सामग्री और श्रमिकों के लिए निविदा दस्तावेज के धारा नंबर 46, पृष्ठ संख्या 124-125 के अनुसार CAR नीति प्रस्तुत करने का निवेदन किया जाता है।

You are hereby directed to submit the CAR Policy as per GCC Clause No. 46, Page No. 124-125 of tender document for materials and workers to be employed for this work separately.

6. आपसे निवेदन है कि आप तुरंत वरिष्ठ प्रबंधक (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 साइट सौंपने की व्यवस्था करेंगे।

You are requested to contact with the Senior 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.

7. कृपया ध्यान दें कि कार्य समाप्त करने का समय **03 (तीन) महीने** और इसे 20 मई 2023 से माना जाएगा।

Please note that the time allowed for carrying out the work shall be **03 (Three) months** and same shall be reckoned from 20.05.2023.

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

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

Contd.

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 (Page 1-10).**

निष्ठापूर्वक/Yours faithfully,



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

Validate

Print

Help

Item Rate BoQ

Tender Inviting Authority: AIRPORTS AUTHORITY OF INDIA

Name of Work: Relocation of DVOR and allied Electrical works at NSCBI Airport, Kolkata.

Tender id: 2023_AAI_148753_1

Name of the Bidder/ Bidding	SHREE GOURI ELECTRIC ENTERPRISE							
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)								
NUMBE	TEXT #	TEXT #	NUMBER	TEXT #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	Supply of following sizes of XLPE insulated PVC sheathed, Aluminium conductor armoured power cable of 1.1 KV grade conforming to IS 7098 (Part 2) amended upto date.							
1.1	3.5c x 185 sq.mm.	Item1	1000.00	Mtr.	INR	945.00	945000.00	INR Nine Lakh Forty Five Thousand Only
1.2	4c x 25 Sq.mm.	Item2	500.00	Mtr.	INR	197.00	98500.00	INR Ninety Eight Thousand Five Hundred Only
2	Design, manufacture supply, installation, testing and commissioning of main LT Panel, cubicle & modular type, made of 2 mm thick sheet steel for frame work and covers, 3mm thick for gland plates, totally enclosed, IP 54, free standing,floor mounting, dust and vermin proof, indoor, compartmentalised, including cleaning & finishing complete with 7 tank process, powder coated, painting, suitable for operation on 3 Phase and neutral, 415v, 50 Hz AC system with Aluminium busbars extensible on both sides, fabrication shall be done in transportation sections, entire panel shall have a common copper earth bar of size 25mm x 5mm at the rear with 2 nos. earth stud, control wiring with 2.5 sq.mm. PVC insulated copper conductor, cable alloys, cable gland plates in two half, interconnections including supply & installation of following items and as per technical specification:	Item3	1.00	Job	INR	500000.00	500000.00	INR Five Lakh Only
2.01	Incomer							
2.02	03 Nos. 125A , 36KA FP,T/M release MCCB with rotary handel, spreader links & Auxillary Contact.							
2.03	03 nos. set RYB indication lamp							
2.04	03 nos. set ON/OFF indication lamp							

Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
2.05	03 Multifunction meter with RS 485 port							
2.06	1 Nos. FP 160 A,Auto Transfer Switch .							
2.07	01 no. Online Change Over 200A,4P							
2.08	Surge Diverter set for 03 nos. of incomer.							
2.09	Outgoing							
2.1	2 Nos. 100 A , 25KA FP,T/M release MCCB with rotary handle.							
2.11	3 Nos. 63 A , 25KA FP,T/M release MCCB with rotary handle.							
2.12	2 Nos. 40 A , 25KA FP,T/M release MCCB with rotary handle.							
2.13	2 Nos. 32 A , 25KA FP,T/M release MCCB with rotary handle.							
2.14	1 No. 16 A, C-type DP MCB with 2 Nos. 16A Socket with Switch							
2.15	415V, 3 phase and neutral 250A aluminium bus bar with colour code & sleeves-1 set							
2.16	10 nos. set ON/OFF Indication lamp							
3	Supplying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II, complete as required. 160 mm dia (OD-160 mm & ID-135 mm nominal)	Item4	350.00	Mtr.	INR	186.00	65100.00	INR Sixty Five Thousand One Hundred Only
4	laying of DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. complete with fitting and cutting, jointing etc. in the existing trench, complete as required. 63 mm dia (OD-63 mm & ID-51 mm nominal)	Item5	350.00	Mtr.	INR	80.00	28000.00	INR Twenty Eight Thousand Only
5	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.							
5.1	Upto 35 sq. mm	Item6	20.00	Mtr.	INR	200.00	4000.00	INR Four Thousand Only
5.2	Above 95 sq. mm and upto 185 sq. mm	Item7	30.00	Mtr.	INR	200.00	6000.00	INR Six Thousand Only
6	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL/ HDPE pipe as required.							
6.1	Above 35 sq. mm and upto 95 sq. mm	Item8	20.00	Mtr.	INR	100.00	2000.00	INR Two Thousand Only
6.2	Above 95 sq. mm and upto 185 sq. mm	Item9	355.00	Mtr.	INR	60.00	21300.00	INR Twenty One Thousand Three Hundred Only
7	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.							
7.1	Above 35 sq. mm and upto 95 sq. mm	Item10	50.00	Mtr.	INR	100.00	5000.00	INR Five Thousand Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
7.2	Above 95 sq. mm and upto 185 sq. mm	Item11	75.00	Mtr.	INR	80.00	6000.00	INR Six Thousand Only
8	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.							
8.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	Item12	65.00	Mtr.	INR	100.00	6500.00	INR Six Thousand Five Hundred Only
9	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.							
9.1	4 X 25 sq. mm.	Item13	4.00	Mtr.	INR	65.00	260.00	INR Two Hundred & Sixty Only
9.2	3½ X 185 sq. mm (45mm)	Item14	5.00	Mtr.	INR	350.00	1750.00	INR One Thousand Seven Hundred & Fifty Only
10	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.							
10.1	3½ X 185 sq. mm	Item15	3.00	Mtr.	INR	2800.00	8400.00	INR Eight Thousand Four Hundred Only
11	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	Item16	2.00	Each	INR	6000.00	12000.00	INR Twelve Thousand Only
12	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required.	Item17	6.00	Mtr.	INR	150.00	900.00	INR Nine Hundred Only
13	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Item18	20.00	Mtr.	INR	125.00	2500.00	INR Two Thousand Five Hundred Only
14	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	Item19	40.00	Mtr.	INR	20.00	800.00	INR Eight Hundred Only
15	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep)and re-filling etc as required							
15.1	50 mm dia	Item20	12.00	Mtr.	INR	600.00	7200.00	INR Seven Thousand Two Hundred Only
15.2	150 mm dia	Item21	6.00	Mtr.	INR	2000.00	12000.00	INR Twelve Thousand Only
16	Dismantling of existing wall mounted/ floor mounted Panel of size not more than 3cum with all the cable end terminations/earthing etc. as complete carefully without damaging the existing and facility and transportation of panel to the AAI Store with in a distance of 3 Km inside opeartional area.	Item22	1.00	Job	INR	25000.00	25000.00	INR Twenty Five Thousand Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
17	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 steel conduit, with Modular switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. Group C	Item23	16.00	Each	INR	2000.00	32000.00	INR Thirty Two Thousand Only
18	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required. Group C	Item24	13.00	Each	INR	1500.00	19500.00	INR Nineteen Thousand Five Hundred Only
19	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.							
19.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Item25	75.00	Mtr.	INR	170.00	12750.00	INR Twelve Thousand Seven Hundred & Fifty Only
19.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Item26	330.00	Mtr.	INR	200.00	66000.00	INR Sixty Six Thousand Only
20.0	Supply of BLDC ceiling Fan with all its accessories like remote control/Fan regulator etc. of 1200 mm sweep, BEE 5 star rated, having 3 blades, 30 cm long down rod, 02 nos. canopies, shackle kit, air delivery minimum of 215 m3/min, alongwith other all accessories as required, suitable for operation on 230 volt, 50 Hz, single phase AC supply, etc. complete as required.	Item27	3.00	Each	INR	3250.00	9750.00	INR Nine Thousand Seven Hundred & Fifty Only
21.0	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	Item28	3.00	Each	INR	120.00	360.00	INR Three Hundred & Sixty Only
22.0	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 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Item29	51.00	Each	INR	660.00	33660.00	INR Thirty Three Thousand Six Hundred & Sixty Only
23	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.							
23.1	5/6 A switch	Item30	6.00	Each	INR	45.00	270.00	INR Two Hundred & Seventy Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
23.2	3 pin 5/6 A socket outlet	Item31	6.00	Each	INR	95.00	570.00	INR Five Hundred & Seventy Only
24.0	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Item32	3.00	Each	INR	350.00	1050.00	INR One Thousand & Fifty Only
25.0	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Item33	5.00	Each	INR	25.00	125.00	INR One Hundred & Twenty Five Only
26	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 .							
26.1	4 way (4 + 12), Double door	Item34	2.00	Each	INR	2500.00	5000.00	INR Five Thousand Only
26.2	8 way (4 + 24), Double door	Item35	2.00	Each	INR	4000.00	8000.00	INR Eight Thousand Only
27.0	Supplying and fixing of following 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.							
27.1	5A to 32A SPMCB	Item36	67.00	Each	INR	120.00	8040.00	INR Eight Thousand & Forty Only
27.2	32A TPN MCB	Item37	1.00	Each	INR	900.00	900.00	INR Nine Hundred Only
27.3	40A TPN MCB	Item38	2.00	Each	INR	1200.00	2400.00	INR Two Thousand Four Hundred Only
27.4	63A TPN MCB	Item39	1.00	Each	INR	1250.00	1250.00	INR One Thousand Two Hundred & Fifty Only
28.0	Supplying and fixing of 160A FP, three position (I-O-II) on load changeover switch. The change over switch should be enclosed in suitable size SS enclosure with suitable handle etc. as required.	Item40	1.00	Each	INR	9500.00	9500.00	INR Nine Thousand Five Hundred Only
29.0	Supply of 2'x2' recessed mounted, 36W with 5700K colour temperature, Efficiency of LED Light Fitting Minimum 100lm/W, Pf equal to 0.95 or more, THD should be less than 10% , minimum IP 20 protection with housing material made of Extruded Aluminium /CRCA/ Standard Alloy suitable for Indoor type application with manufacturer Name/Logo embossed in the housing Body or on Aluminium Plate etc. complete as required, all prewired upto terminal block and suitable for operation on 230 V+/- 10%, 50Hz, single phase AC supply and as per technical specification with all its accessories, driver etc as complete.	Item41	25.00	Each	INR	1200.00	30000.00	INR Thirty Thousand Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
30.0	Supply of 1 x 18-20W LED fitting with G13 lamp holder including retrofit batten type LED tube light, with minimum glare. It has a system level luminaire efficacy of not less than 100 lm/W. CCT 5700K, suitable for indoor applications complete as per technical specifications.	Item42	4.00	Each	INR	180.00	720.00	INR Seven Hundred & Twenty Only
31.0	Supply of 10W LED Bulkhead luminaire with Vandal resistant Polycarbonate diffuser having system efficacy of luminaire not less than 110 lm/W, CCT from 5700K, complete with driver and other accessories suitable for residential applications complete as per the technical specifications. (Similar to Havells CAT No. HEXAFT10WLED or equivalent)	Item43	2.00	Each	INR	500.00	1000.00	INR One Thousand Only
32.0	Installation ,Testing, Commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required.	Item44	25.00	Each	INR	200.00	5000.00	INR Five Thousand Only
33.0	Supply of 90 W LED street light fitting having system efficacy of not less than 110 lumens per watt, CCT 5700K, Complete with electronic driver and accessories etc, suitable for outdoor applications complete as per technical specifications. (Similar to Havells CAT No. ENDURA PEARL PLUS SL90W or equivalent).	Item45	8.00	Each	INR	2900.00	23200.00	INR Twenty Three Thousand Two Hundred Only
34.0	Installation ,Testing, Commissioning of streetlight by providing suitable shape and size wall mounted bracket complete with all accessories including connections etc. as required.	Item46	6.00	Each	INR	600.00	3600.00	INR Three Thousand Six Hundred Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
35.0	Supply of 1 Phase, 1.5 TR Highwall split AC of 5 star rating Inverter type Air-conditioners along with high wall type indoor unit suitable to operate from 230±10%, 50 Hz, 1 phase power supply (along with necessary wiring from nearest power source to the required outdoor and indoor units) having high EER Compressor with Indoor & Outdoor Copper coil refrigeration having aluminum fins firmly bonded to copper tubes assembled in zinc coated steel frame with Eco friendly R-32 or equivalent Refrigeration Gas alongwith copper conductor PVC insulated PVC sheathed multicore power cable from indoor to outdoor unit (i/c 3 mtr copper refrigerent pipe). The indoor unit should have real time clock, operating facility from cordless remote, along with time and temperature display. Outdoor unit to be installed as Directed by Engineer-in-Charge. The Cooling Capacity of the machine shall be 5000 W / 17100 BTU/Hr (Minimum).	Item47	7.00	Each	INR	45000.00	315000.00	INR Three Lakh Fifteen Thousand Only
36.0	ITC of the following TR split type Air-conditioners along with Outdoor/ Indoor unit suitable to operate on 1 Phase Power supply. upto 2 TR Highwall AC	Item48	7.00	Each	INR	3000.00	21000.00	INR Twenty One Thousand Only
37.0	Supply and fixing of fabricated metallic structure with required painting / pre fabricated L shaped O/D stand of suitable size made of MS angle/ frame as per site requirement etc for suspension of outdoor compressor units as per direction of Engineer-in-Charge.	Item49	7.00	Each	INR	700.00	4900.00	INR Four Thousand Nine Hundred Only
38.0	Supply and fixing of extra copper refrigerant piping complete with suction / liquid line, insulation (i.e. cunifoam with neoprene / rubber lining), and all the accessories i/c Control Cable as per site requirement as directed by Engineer-in-Charge including additional gas charging as required. (a) Suitable for 1.5 TR Highwall Split Inverter AC along with its Control Cable	Item50	10.00	Mtr.	INR	400.00	4000.00	INR Four Thousand Only
39.0	Supply and laying of 25 mm dia cotton braided PVC pipe to be used for drainage of condensate from indoor units to the nearest drain-port as directed by Engineer-in-Charge.	Item51	15.00	Mtr.	INR	140.00	2100.00	INR Two Thousand One Hundred Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
40.0	Supply installation testing and commissioning of the timer for auto/manual operation of the Air Conditions upto 2Tr. The Timer shall have provision for 02 nos. of AC as input and 01 no. as output with provision for switching of ACs as per the user requirement in the time interval of 4/6/12 Hr.	Item52	3.00	Each	INR	2000.00	6000.00	INR Six Thousand Only
41.0	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A "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.	Item53	7.00	Each	INR	750.00	5250.00	INR Five Thousand Two Hundred & Fifty Only
42.0	Supply and fixing of flame retardant electrical insulation mat of 2.0 mm thick to withstand upto 3.3 kV conforming to IS 15652:2006 with upto date amendments and having minimum width 1000mm (+ 20mm). The sufficient of adhesive / compound shall be supplied to fix the insulation mat on the front/rear side of electrical installation. Mat shall be ISI marked. Its leakage current at 11 KV shall not be more than 10 MA.	Item54	10.00	Each	INR	550.00	5500.00	INR Five Thousand Five Hundred Only
43.0	SITC of IP based Addressable type Fire Alarm control panel of minimum 2 loops (each Loop card having capacity to accommodate minimum 99 detectors and 99 modules)with the following facilities like 80 character display unit, power supply unit, built in battery charger, including 24 Volts sealed maintenance free lead acid batteries for 02 hours backup, Auto dialer facility with 20 nos. dialer, web server PCB for IP connectivity etc. complete as required.	Item55	1.00	Each	INR	74000.00	74000.00	INR Seventy Four Thousand Only
44.0	Supply, Installation, Testing & commissioning of UL / EN listed (latest version) intelligent addressable multi criteria detector (Smoke + heat) (Base Included) with inbuilt fault isolator / isolator base and with unique optical sensing chamber, visible LED, fully coated circuit board, superior RF / Transient protection suitable for 2 wires loop connection, complete with plug into common separate base & housing constructed of LEXAN (or polycarbonate) complete with connections etc. as required and to be installed below / above false ceiling roof and concealed space and as per enclosed specifications ,complete as required. (Cost of plug in common base shall deemed to be included in cost of detectors)	Item56	15.00	Each	INR	1750.00	26250.00	INR Twenty Six Thousand Two Hundred & Fifty Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
45.0	Supply, installation, testing and commissioning of UL / EN listed (Latest Version) Response Indicators for getting fire indications of detectors i/c mounting boxes installed above false ceiling area interconnecting to loop cable etc. as per specification complete as required.	Item57	5.00	Each	INR	350.00	1750.00	INR One Thousand Seven Hundred & Fifty Only
46.0	Supply, Installation, Testing & commissioning of UL / EN listed (latest version) intelligent addressable Manual call station (Resettable pull / push type) suitable for semi flush mounting, IP 54 for indoor use & IP 65 for outdoor use with inbuilt fault isolator / isolator module with double gang outlet box, equipment for key operated test-reset lock, electronic or rotary switches for address setting. Manual pull station shall be connected with two wire to SLC loop of Fire Control Panel. Cover shall be made out of LEXAN (or poly carbonate equivalent) with clear operating instruction and the word Fire appearing on the front complete with connections etc. as required and as per enclosed specifications.	Item58	2.00	Each	INR	2750.00	5500.00	INR Five Thousand Five Hundred Only
47.0	Supply, installation, testing and commissioning of UL / EN listed (latest version) loop powered addressable Hooter-cum-strobe with inbuilt fault isolator / isolator module with adjustable sound level in the range of min. 90 db to Max. 120 db at 1M distance complete with termination etc. as required and as per enclosed specification.	Item59	1.00	Each	INR	3950.00	3950.00	INR Three Thousand Nine Hundred & Fifty Only
48.0	Supply and laying of 2c x 1.5 Sq. mm. XLPE insulated PVC sheathed armoured Copper conductor cable of grade 1.1 KV, confirming to IS 7098 Part-I with upto date amendments etc. complete as required on surface .	Item60	55.00	Mtr.	INR	60.00	3300.00	INR Three Thousand Three Hundred Only
49.0	Supply and laying of 4c x 1.5 Sq. mm. XLPE insulated PVC sheathed armoured Copper conductor cable of grade 1.1 KV, confirming to IS 7098 Part-I with upto date amendments etc. complete as required on surface .	Item61	10.00	Mtr.	INR	90.00	900.00	INR Nine Hundred Only
50.0	Providing 15mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels finished with a floating coat of neat cement.	Item62	10.00	Sq.m	INR	200.00	2000.00	INR Two Thousand Only
51.0	Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundation etc including form work etc as required.	Item63	3.00	Cum	INR	8500.00	25500.00	INR Twenty Five Thousand Five Hundred Only

Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
52.0	Excavation and refilling in soft soil including dressing of sides and ramming of bottoms, lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 metres.	Item64	15.00	Cum	INR	250.00	3750.00	INR Three Thousand Seven Hundred & Fifty Only
53.0	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Item65	10.00	Cum	INR	1000.00	10000.00	INR Ten Thousand Only
54.0	Providing joints by using brazing technique on 25 mm X 3 mm copper strip on surface or in recess for connections to another copper earth strip for interconnection to all earth's of Lightning Arrestors, counterpoise , Equipment and Electrical power supply earthing etc. as required.	Item66	200.00	Job	INR	50.00	10000.00	INR Ten Thousand Only
55.0	Supply of 300 mm sweep wall fan with swing facility suitable to operate on 230 V ac, 50 Hz supply.	Item67	5.00	Each	INR	1800.00	9000.00	INR Nine Thousand Only
56.0	Supply of 450 mm sweep Pedestal fan with metallic blade, speed control and swing facility suitable to operate on 230 V ac, 50 Hz supply.	Item68	5.00	Each	INR	2550.00	12750.00	INR Twelve Thousand Seven Hundred & Fifty Only
57.0	Supply and fixing of Polycarbonate Loop-in Loop out box, IP-66, UV Ray protected, dust proof, water tight, acid resistant, corrosion proof, insulated and shock proof, fire retardent, self extinguishing, Halogen & Silica free, Non-Toxic material with polyurethane internally embedded gasket, suitable for wall/outdoor mounted type , cable entry - bottom suitable for 4C X 16 /25 Sq mm i/c (i) 24 hrs Digital Timer with switch for automatic switching On & OFF of in Auto ON, Auto OFF, Auto ON and By Pass mode - 01 No. (ii) 3P Contactor 16A with 01 no. NO contact. (iii) 10A SP MCB - 1 Nos.	Item69	2.00	Each	INR	6500.00	13000.00	INR Thirteen Thousand Only
Total in Figures							2598255.00	INR Twenty Five Lakh Ninety Eight Thousand Two Hundred & Fifty Five Only
Quoted Rate in Words		INR Twenty Five Lakh Ninety Eight Thousand Two Hundred & Fifty Five Only						

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