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Tender Inviting Authority: India Trade Promotion Organisation

Name of Work: Supply, Installation, Testing and Commissioning of Electrical & Mechanical Insatllation for VVIP Lounge in Hall No. 5, Pragati Maidan, New Delhi.

Contract No: 167-ITPO(16)/Engg/Elect/2023-24/18

Name of the Bidder/ Bidding Firm / Company :						
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)						
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE incl. all taxes and GST@18% In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT i/c all Taxes and GST@18% in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
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 steel 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.					
1.01	Group C	80.000	Points		0.00	INR Zero Only
2	Wiring for light/ power plug point with 2x4 sqmm FRLS PVC insulated copper conductor single core cable in surface/recessed steel conduit alongwith 1 No. 4 sqmm FRLS PVC insulated copper conductor single core cable for loop earthing as required	300.000	Mtrs		0.00	INR Zero Only
3	Wiring for light/ power plug point with 4x4 sqmm FRLS PVC insulated copper conductor single core cable in surface/recessed steel conduit alongwith 2 Nos. 4 sqmm FRLS PVC insulated copper conductor single core cable for loop earthin as required.	250.000	Mtrs		0.00	INR Zero Only

4	Wiring for circuit/sub-main wiring alongwith the earth wire with the following size of FRLS PVC insulated copper conductor, single core cable in surface/recessed steel conduit as required.					
4.01	2 x 1.5 sqmm + 1 x 1.5 sqmm earth wire	60.000	Mtrs		0.00	INR Zero Only
5	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting tha wall and making good the same in case of recessed conduit as required.					
5.01	20mm	90.000	Mtrs		0.00	INR Zero Only
5.02	25mm	90.000	Mtrs		0.00	INR Zero Only
6	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/PVC conduit as required.					
6.01	3 x 1.5 sqmm	90.000	Mtrs		0.00	INR Zero Only
6.02	6 x 1.5 sqmm	60.000	Mtrs		0.00	INR Zero Only
6.03	3 x 4 sqmm	100.000	Mtrs		0.00	INR Zero Only
7	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required (only international sockets shall be used).	25.000	Nos		0.00	INR Zero Only
8	Supplying and fixing following size/modules, GI box along with modular base and cover plate for modular switches in recess etc. as required.					
8.01	1/2 Module (75 mm x 75 mm)	20.000	Nos		0.00	INR Zero Only
8.02	3 Module (100 mm x 75 mm)	40.000	Nos		0.00	INR Zero Only
8.03	8 Module (125 mm x 125 mm)	15.000	Nos		0.00	INR Zero Only
9	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
9.01	5/6 amps Switch	35.000	Nos		0.00	INR Zero Only
9.02	15/16 amps Switch	40.000	Nos		0.00	INR Zero Only

9.03	6 pin 15/16 amp Socket Outlet (only international sockets shall be used)	40.000	Nos		0.00	INR Zero Only
10	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	10.000	Nos		0.00	INR Zero Only
11	Supplying and fixing following way surface/recess mounting, vertical type, 415 volts, TPN MCB distribution board of steel sheet, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (But without MCB/ RCCB/ Isolator) as required.					
11.01	12 way (8 + 36), Double Door	2.000	Nos		0.00	INR Zero Only
12	Supplying and fixing 5 amps to 32 amps rating, 240/415volts, '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.					
12.01	Single Pole	72.000	Nos		0.00	INR Zero Only
13	Supply, installation of race way trunking of size 225mm x 38mm (GI) 3 compartment complete with all accessories i/c cutting of floor and making way for installation the same with the help of cement sand i/c making grout the surface etc. as reqd.	50.000	Mtrs		0.00	INR Zero Only
14	Supplying and fixing high speed Hand dryer with 2000-2500 watt heating element, in stainless steel body 304 grade water splash proof IP01 i/c connections, testing and commissioning etc. as reqd. Make: Kohler/Havells/Euronics	2.000	Nos		0.00	INR Zero Only
15	Supplying and laying of one number 3.5x25 sqmm XLPE insulated and PVC sheathed copper conductor, armoured cable of 1.1 KV grade confirming to IS:1709, on the wall surface with 1.0 mm thick saddle, as required. Make: Polycab/Havells/Equivalent	400.000	Mtrs		0.00	INR Zero Only
16	Supplying and laying of one number 3.5x 95sqmm XLPE insulated and PVC sheathed Aluminum conductor, armoured cable of 1.1 KV grade confirming to IS:1709, on the wall surface with 1.0 mm thick saddle, as required. Make: Polycab/Havells/Equivalent	600.000	Mtrs		0.00	INR Zero Only

17	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.					
17.01	3½ X 25 sq. mm	4.000	Nos		0.00	INR Zero Only
17.02	3½ X 95 sq. mm	4.000	Nos		0.00	INR Zero Only
18	Providing and fixing following rating and breaking capacity and pole MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.					
18.01	200 Amp, 25 KA, TPMCCB	1.000	Nos		0.00	INR Zero Only
19	Supply, installation, testing and commissioning of recess mounting, 596mm x 596mm (NS) aesthetically designed LED Luminarie of 28-30 Watt made out of pressure die case aluminium alloy/power painted CRCA with UV protected polycarbonate/high efficiency PMMA diffuser in the front, having lumen output ≥ 3500, System Efficacy ≥ 120 lumens/watt, CRI ≥ 80 Colour Temperature +4000K to 6500K (as required); Power Factor ≥ 0.95, Surge Protection ≥ 2.5kV; having at least 70% lumen output after 50,000 hours at L 70, Guarantee ≥ 5 years, complete with electronic driver etc. as required. Make: Wipro/Philips/Havells	30.000	Nos		0.00	INR Zero Only
20	Supply, installation testing and commissioning of recess mounting LED Diffused Downlighter of ≥ 15 watt having lumen output ≥ 1500 lm, System Efficacy ≥ 100 lumens/watt; CRI ≥ 80; colour Temperature + 4000K to 6500K (as required); Power Factor ≥ 0.95; having at least 70% lumen output after 50,000 hours at L70, Guarantee ≥ 5 years; Surge Protection ≥ 2 kV; complete with electronic driver etc. complete as required. Make: Wipro/Philips/Havells	20.000	Nos		0.00	INR Zero Only

21	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray (Galvanisation thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.					
21.01	300 mm width X 50 mm depth X 1.6 mm thickness	50.000	Mtrs		0.00	INR Zero Only
22	Supply, installation, testing and commissioning of 30 KVA capacity, having provision of load sharing (parallel redundant), Online Intelligent Uninterruptible Power Supply System with PWM IGBT technology based inverter, rectifier/dual converter, by-pass & static transfer switch for automatic switch over, power supply filters, with 34 nos. 65 AH, 12 Volts SMF batteries of make exide/Amaron/equivalent delivering atleast 30 minutes backup for 30 KVA capacity, static by-pass module, complete microprocessor based high frequency switching, built-in protections against short circuits, over load, high/low voltage cut-off protection of load from source inclusive of bypass facility without giving any break of power, maintenance bypass switch, TVSS protection, microprocessor/software controlled annunciation & protection (including against input phase reversal), menu run diagnostic module etc. suitable for 415 Volt+10%/-20%, 50Hz three phase and neutral AC incoming supply and 380/400/415 Volt, 50Hz three phase output supply, associated cabling, connections, terminations, interconnection with copper lead of suitable size and erection including foundations, battery rack (open), Battery mounting cables, BCB, UPS to Battery Bank Cables etc. complete as required. make: Emerson/ABB/Schneider(APC)	1.000	Nos		0.00	INR Zero Only

23	Supplying, installation, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the following loop modules and capable of supporting not less than 240 devices (including detectors) and minimum 120 detectors per loop and loop length up to 2 km, network communication card, minimum 320 character graphics/ LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), power supply unit (230 ± 5% V, 50 hz), 48 hrs back-up with 24 volt sealed maintenance free batteries with automatic charger. The panel shall have facility to connect printer to printout log and facility to have seamless integration with analog/digital voice evacuation system (which is part of the schedule of work under SH: PA System) and shall be complete with all accessories . The panel shall be compatible for IBMS system with open protocol BACnet/ Modbus over IP complete as per specifications.					
23.01	Two Loop Panel	1.000	Nos		0.00	INR Zero Only
24	Supplying, installation, testing & commissioning of intelligent addressable photo thermal/thermal detector as per site requirement with rate of rise cum fixed temperature thermistor complete with base i/c programming and synchronizing with the existing fire alarm system etc complete as required.	15.000	Nos		0.00	INR Zero Only
25	Supplying, installation, testing & commissioning of fault isolator complete with base as required i/c programming and synchronizing with the existing fire alarm system etc complete as required.	1.000	Nos		0.00	INR Zero Only
26	Supplying, installation, testing & commissioning of response indicator on surface/recessed MS Box having two LED, metallic cover complete with all connections i/c programming and synchronizing with the existing fire alarm system etc complete as required.	6.000	Nos		0.00	INR Zero Only

27	Supplying, installation, testing & commissioning of addressable manual call point i/c programming and synchronizing with the existing fire alarm system etc complete as required.	2.000	Nos		0.00	INR Zero Only
28	Supplying, installation, testing & commissioning of addressable horn cum strobe i/c programming and synchronizing with the existing fire alarm system etc complete as required.	2.000	Nos		0.00	INR Zero Only
29	Supplying, installation, testing & commissioning of 6 inches dia, 2 watts, 70/100 volts ceiling speaker complete as required.	6.000	Nos		0.00	INR Zero Only
30	Supplying & laying of 2x1.5 sqmm fire alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FRLS outer sheath etc. complete as required.					
30.01	2 X 1.5 Sq. mm	250.000	Mtrs		0.00	INR Zero Only
31	Supply Installation, Testing & Commissioning of modular type Variable Refrigerant Flow/Variable Refrigerant Volume air cooled Outdoor units suitable for cooling and heating, having all hermetically sealed inverter type Scroll Compressor(s), minimum two compressors for above 14 HP modules, microprocessor based Controller, top discharge type condensing unit(s), with R 410 A Refrigerant, vibration isolators, with suitable foundation etc. complete as required. The unit shall deliver the rated capacity at AHRI Conditions and work even at 50°C ambient temperature without tripping. The unit shall be suitable to work on 400V +/- 10%, 3 Phase, 50Hz AC power supply. The unit shall be filled with first charge of the refrigerant and ready for use as required. The COP at AHRI conditions shall not be less than 3.1 and IEER not less than 6.5. (2*12HP) Make: Carrier/Bluestar/Voltas/LLyods	24.000	HP		0.00	INR Zero Only

32	Supply, installation, testing and commissioning of following minimum capacity 4-way flow VRV/VRF Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX Copper coil, electronic expansion valve, outer cabinet, drain pump, grill, necessary supports, vibration isolation, cord less remote control etc., suitable for operation on single phase 230 V \pm 10%, 50Hz AC supply, complete, as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature. Make: Carrier/Bluestar/Voltas/LLyods					
32.01	2.4TR	2.000	Nos		0.00	INR Zero Only

32.02	2.8TR	4.000	Nos		0.00	INR Zero Only
33	Supply, installation, testing and commissioning including vaccumiazation and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV/VRF system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-O tubular insulation/with Class-O closed cell elastometricnitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as perspecifications etc. as required :					
33.01	9.5 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	25.000	Mtrs		0.00	INR Zero Only
33.02	12.7 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	15.000	Mtrs		0.00	INR Zero Only
33.03	15.86 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	60.000	Mtrs		0.00	INR Zero Only
33.04	19 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	15.000	Mtrs		0.00	INR Zero Only
33.05	28.58 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	60.000	Mtrs		0.00	INR Zero Only
34	CONDENSATE DRAIN UPVC PIPE" Supply, installation, testing and commissioning of uPVC Pipe, complete with fittings, supports, U trap arrangement, Clean Plug and accessories for AHU/IDU as per site requirement. 32 mm dia (with 9mm Nitrile) Make: Supreme/Equivalent	75.000	Mtrs		0.00	INR Zero Only
35	Supply, installation, testing and commissioning of MS fabricated outdoor unit stand for placing outdoor unit of VRV system. The stand shall be manufactured from MS C channel of minimum 3-4 mm thick. It shall be finished with enamel paint as per client/architect approval. Make: Cutomised	2.000	Nos		0.00	INR Zero Only
36	Supply of Refrigerant (R410a) charge to the outdoor unit and connected pipes between outdoor unit and AHU as per site requirement.	20.000	kg		0.00	INR Zero Only
Total in Figures					0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only				