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Item Rate BoQ

Tender Inviting Authority:

Name of Work: Providing and fixing Electrical Installation at different location in Bharat Mandapam, New Delhi

Contract No: 169-ITPO(5)E-E/25-26/84

Name of the Bidder/ Bidding Firm / Company :						
<div>PRICE SCHEDULE</div> <div>(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)</div>						
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder inclusive all taxes with GST Rs. P	TOTAL AMOUNT inclusive all taxes with GST 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. Group C	10.000	Points		0.00	INR Zero Only
2	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed steel conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	70.000	Metre		0.00	INR Zero Only
3	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. 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	100.000	Metre		0.00	INR Zero Only

4	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. Group C	10.000	Points		0.00	INR Zero Only
5	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	50.000	Metre		0.00	INR Zero Only
6	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required. Group C	5.000	Points		0.00	INR Zero Only
7	supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
7.01	5/6 A switch	10.000	nos.		0.00	INR Zero Only
7.02	15/16 A switch	5.000	nos.		0.00	INR Zero Only
7.03	3 pin 5/6 A socket outlet	10.000	nos.		0.00	INR Zero Only
7.04	6 pin 15/16 A socket outlet	5.000	nos.		0.00	INR Zero Only
8	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.	5.000	nos.		0.00	INR Zero Only
9	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.	5.000	Each		0.00	INR Zero Only

10	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, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	5.000	nos.		0.00	INR Zero Only
11	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	5.000	nos.		0.00	INR Zero Only
12	Providing and fixing following rating and breaking capacity and pole MCCB with thermo magnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.					
12.01	63 A, 10 KA, TPMCCB Make: Schindler, ABB, L&T	2.000	nos.		0.00	INR Zero Only
12.02	100 A, 16 KA, TPMCCB Make: Schindler, ABB, L&T	2.000	nos.		0.00	INR Zero Only
12.03	200A, 25 KA, TPMCCB Make: Schindler, ABB, L&T	2.000	nos.		0.00	INR Zero Only
12.04	250A, 35 KA, TPMCCB Make: Schindler, ABB, L&T	1.000	nos.		0.00	INR Zero Only
12.05	400A, 35 KA, TPMCCB Make: Schindler, ABB, L&T	1.000	nos.		0.00	INR Zero Only
13	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)					
13.01	6 Way, Double door	2.000	nos.		0.00	INR Zero Only
13.02	12 way, Double door	2.000	nos.		0.00	INR Zero Only
14	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 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)					

14.01	4 Way (4 + 12), Double door	1.000	nos.		0.00	INR Zero Only
15	Supplying and fixing 5 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.					
15.01	Single pole	20.000	nos.		0.00	INR Zero Only
15.02	Double pole	6.000	nos.		0.00	INR Zero Only
16	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required					
16.01	63 A	2.000	nos.		0.00	INR Zero Only
17	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required					
17.01	40 A	2.000	nos.		0.00	INR Zero Only
17.02	63 A	2.000	nos.		0.00	INR Zero Only
18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	1000.000	metre		0.00	INR Zero Only
19	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.					
19.01	Upto 35 sq. mm (clamped with 1 mm thick saddle)	200.000	metre		0.00	INR Zero Only
19.02	Above 35 sq. mm. And upto 95 sq. mm. (clamped with 25x3mm MS flat clamp)	300.000	metre		0.00	INR Zero Only
19.03	Above 185 sq. mm. and upto 400 sq. mm. (clamped with 25/40x3mm MS flat clamp)	10.000	metre		0.00	INR Zero Only
20	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.					

20.01	3½ X 25 sq. mm. (28mm)	4.000	nos.		0.00	INR Zero Only
20.02	3½ X 50 sq. mm. (35mm)	4.000	nos.		0.00	INR Zero Only
20.03	3½ X 70 sq. mm. (38mm)	2.000	nos.		0.00	INR Zero Only
20.04	3½ X 300 sq. mm. (70mm)	2.000	nos.		0.00	INR Zero Only
21	Supplying of one number PVC insulated and PVC sheathed/ XPLE, Aluminium comnductor power cable of 1.1 KV garde of following sizes on surface /recess etc as required					
21.01	3½ X 25 sq. mm cable Make: Polycab, Plaza, Havells, KEI	200.000	metre		0.00	INR Zero Only
21.02	3.5 x 50 SQ mm cable Make: Polycab, Plaza, Havells, KEI.	200.000	metre		0.00	INR Zero Only
21.03	3.5 x 70 SQ mm cable Make: Polycab, Plaza, Havells, KEI.	100.000	metre		0.00	INR Zero Only
22	Supply and fixing of ceiling fan of 1200mm, 220v, 50 HZ supply, white colour, corrosion resistant high performance fan with powder coated dynamically balanced blades, 100% copper winding motor, double ball bearing, stability and silent operation along with necessary accessories inclusive of providing upto 4 feet extra down rod with 1.5 sq. mm. FRLS insulated copper conductor single core cable and fixing the hook after making the hole in the ceiling and making the same good as required complete with testing and commissioning etc. Make: Crompton, Usha, Havells	5.000	Each		0.00	INR Zero Only
23	Supply and fixing of heavy duty exhaust fan of 300mm sweep, 1400 rpm, 6 pole, 220v, 50 HZ supply 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.	2.000	Each		0.00	INR Zero Only
24	SITC of 1 x 20 Watt ultra bright LED tubelight (double side connection) with very high efficiency suited for installation in existing tubelight G13 lamp holders to give glare free light with regal batten for Led tube box type on ceiling/ wall including connection with 1.5 sqmm FRLS PVC insulated copper conductor single core cale and earthing etc as required.	10.000	Each		0.00	INR Zero Only

25	SITC of 2 x 20 Watt ultra bright LED tubelight (double side connection) complete with batten with very high efficiency suited for installation in existing tubelight G13 lamp holders to give glare free light with regal batten for LED tube box type on ceiling/ wall including connection with 1.5 sqmm FRLS PVC insulated copper conductor single core cable and earthing etc as required. Make: Wipro, Crompton, Havells.	5.000	Each		0.00	INR Zero Only
26	SITC of Recess mounted LED 1'x4' luminaire delivering an initial system lumen of 4500 lumens & the luminaire shall be with system efficacy ≥ 125 lm/W having system wattage between 34-36W. Housing & frame is made of CRCA with pre-treatment duly epoxy polyester powder coated (RAL9003) white. Optics: HET Diffuser and IP20 Protection. External driver tray is fixed on housing for easy access during maintenance. The operating CCT shall be 5700K with CRI of ≥ 80 . The luminaire shall be BIS Registered with isolated type electronic driver in polycarbonate / metal enclosure with input voltage range of 150 to 270V, THD $\leq 10\%$ & PF ≥ 0.95 , 50,000 Hrs LED Life with L70 Criteria. The LED Driver shall be of same make and made in India for ease of repair and service. The LED shall be SMD type. Luminaire shall have surge protection of 3KV with High and Low Input Voltage Cutoff protection. The luminaire shall be with following certifications: LM79 & LM80 issued by LED manufacture along with Photo Biological Safety Standard. The complete fitting should have a 5 years warranty. The old existing fittings are to be given in buy back way. The work should be complete as required in Pragati Maidan, New Delhi. Make: Wipro, Philips, Lighting Technologies, Havells.	200.000	Each		0.00	INR Zero Only
27	Supplying of following rating PVC sheathed/ XLPE insulated, Aluminium armoured conductor power cable of 1.1 KV grade, extruded PVC Type ST2 sheathed, 650/ 1100v grade as per IS 7098 (Part 1) 1988 etc as required (Make: Havells, Polycab, RR Cables, KEI etc.) (i) 3.5 x 300 SQ mm cable	10.000	metre		0.00	INR Zero Only

28	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. (i) Above 185 sq. mm and upto 400 sq. mm.	10.000	metre		0.00	INR Zero Only
29	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering – All work up to plinth level : (i) 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	5.000	Cum		0.00	INR Zero Only
30	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer – in – charge. (i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	5.000	Cum		0.00	INR Zero Only
31	Cutting road and making good the same including supply of extra quantities of materials i.e. aggregate, moorum screening, red bajri and labour required. (i) Bituminous portion	5.000	Cum		0.00	INR Zero Only
32	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 (i) 3.5 x 300 Sq. Mm.	2.000	Each		0.00	INR Zero Only
33	Shifting the cubical panels having size 1700mmx1200mmx600mm after removal from the existing foundation in compact form along with disconnection of existing cables and repairing of damaged part, denting and painting with the existing colour after removal of rust and applying primer, making foundation 35 cm above ground level with cement concrete to another location, installation of cubical panel, connecting all the cables etc. complete as required.	1.000	Job		0.00	INR Zero Only

34	Fabrication, supplying and installation of outdoor type slopping roof cubical feeder pillar of following surface area / size made out of CRCA MS sheet 2 mm thickness (14 SWG) duly compartmentalize having 4 strip aluminium bus bar of 400 Amp, 300 mm deep capacity double door with double locking arrangement and solid connection for MCCB's i/c internal wiring for VAF meter, CT, indicating light. Dust proof vermin process duly fixed on M.S. angle iron frame work of size 40mm x 40mm x 6mm thick (NS) 500 mm long legs, out of which 100 mm duly grouted in cement concrete foundation of 1:2:4 (1 cement 2 coarse sand 4 graded stone aggregate 20 mm nominal size) powder coated with seven tank treatment in approved shade and colour complete etc. as required. (Make: Neptune, Tricolite, ADLEC, Platinum complete fitt)	3.000	P/Sqm		0.00	INR Zero Only
35	supplying and fixing the following accessories in the above cubical panel board etc. as required.					
35.01	Digital type Ampere/ Voltmeter/ frequency meter (Make : L&T Cat No. WL 4110100000)	3.000	each		0.00	INR Zero Only
35.02	Indication light LED type with 2 Amp. SP MCB (3 Nos.) - 1 set	3.000	set		0.00	INR Zero Only
35.03	Current Transformer (CT) 200/5 Amp.	3.000	set		0.00	INR Zero Only
36	Supplying and fixing of light class G.I. pipe of 100 mm dia. (nominal) 3 metres length along the pole for protection of under ground cable as required.	5.000	each		0.00	INR Zero Only
37	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required. (i) 120 mm dia (OD-120mm & ID-103mm nominal)	10.000	metre		0.00	INR Zero Only
Total in Figures					0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only				