

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 61/IWD/ED/223****SCHEDULE OF QUANTITY**

Name of work: Electrical repairing in old SBRA, new SBRA, RA Hostel and RA tower residential area as per day to day complaints.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
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 piano type 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.				
a)	Group A	1.00	Nos		
2	Supplying & drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel / PVC conduit as reqd.				
a)	3 x 1.5 Sq.mm..	2.00	Mtr.		
b)	3 x 4 Sq.mm..	23.00	Mtr.		
c)	3 x 6 Sq.mm..	10.00	Mtr.		
3	S & F following piano type switch /socket on existing switch box/cover I/c connection etc as reqd.				
a)	5/6 Amp switch	3.00	Nos.		
b)	15/16 Amp. switch	4.00	Nos.		
c)	6 Pin 15/16 Amp. socket outlet.	2.00	Nos.		
4	Supply, fixing, following modular type switch / socket on existing modular plate & switch box including connectins but excluding modular plate etc. as reqd.				
a)	5/6 Amp switch	2.00	Nos.		
d)	3 Pin 5/6 Amp. socket outlet	2.00	Nos.		

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c)	Fan regulator socket type rotary step	1.00	Nos.		
d)	Blanking plate	3.00	Nos.		
5	S/F following modular base & cover plate on existing modular metal boxes etc. as reqd.				
a	3 module	1.00	Nos.		
b)	6 module	1.00	Nos.		
6	Supplying and fixing brass batten/ angle holder including connection etc. as required.	12.00	Nos.		
7	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, 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)				
a	12-way , Double door	1.00	Nos.		
8	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
a	4 way (4 + 12), Double door	1.00	Nos.		
9	Supplying and fixing 5 amps to 32 amps rating, 240 volts, 'C' series, MCB suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as reqd.				
a	Single pole	20.00	Nos.		
10	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	5.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
11	Supply, Installation, Testing and Commissioning of 1200mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.				
a)	1200 mm	8.00	Nos		
12	S & F following piano type switch /socket on existing switch box/cover I/c connection etc as reqd.				
a)	Fan regulator socket type rotary step	14.00	Nos.		
13	Supplying and fixing 40 A to 63 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.				
a	DP MCB	1.00	Nos.		
b)	FP MCB	1.00	Nos.		
14	Dismantling damaged switch/DB/KWH meter/ all type fitting / ceiling fan / Exhaust fan/ Wall Fan / pole fuse box/TPN switches metal helide box with MCB/Pole fuse box and depositing in the section store.	21.00	Nos.		
15	Providing and fixing casing and capping in place of defective and damaged wood batten including dismantling of betten and wire & relaying of wires as required complet.				
a	25 x 16 mm	14.00	Mtr.		
16	S & F wooden board of following sizes on surface or in recessed with suitable size of phenolic laminated sheet cover in the front etc as reqd.				

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a	175 mm x 100 mm	7.00	Nos.		
b)	200 mm x 150 mm	1.00	Nos.		
17	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd.	200.00	Sq.cm		
18	Dismantling and refixing of wooden board of any sizess on surface or in recessed etc as reqd.	3.00	Nos.		
19	Locating fault in wiring rectifying removing & restoring supply the same & making good the damages etc as reqd.	8.00	Nos.		
20	Supply / fixing and connecting & commissioning following CFL / lamps in existing fitting as reqd.(Make-Phillips)				
a	LED tube light 18 / 20 Watt.	1.00	Nos.		
21	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	24.00	Nos.		
22	Providing and replacement of damaged internal wiring of fitting of any type with 1.5 sq.mm. PVC insulated copper single core wire i/c dismantling & refixing as reqd.	4.00	Mtr.		
23	Supply / fixing , testing & commissioning of 72W LED Street light NEXUS+ . Aesthetically designed roadway luminiare with excellent thermal management complete with all fixing accessories and as per required complete LED make Crompton Greaves or its equivalent make etc as reqd	8.00	Nos.		
24	Supplying and drawing of following sizes of FRLS PVC insulated copper conductor, 3 core round cable of following size in the existing surface/ recessed steel/ PVC conduit as required.				
a	1.5 Sq.mm	10.00	Mtrs.		
25	Dismentling and refixing brass compression type gland up to 35 sq. mm. cable	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
26	Earthing with GI earth electrode 50mm dia x 3 mtr length including earth enhancing compound (Jam Fill quality product) and PIT cover for earthing pit etc as reqd. (193GI JMV) w.e.f 12.12.12	1.00	Nos.		
	Total Rs.				