

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No.84/IWD/ED/307****SCHEDULE OF QUANTITY**

Name of work: Repairing &amp; replacement of defective switch / socket, casing &amp; capping distribution boards etc at north side main drive residences as per enclosed complaint at IIT Kanpur.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	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.				
1.1	Group A	3.00	Point		
2	Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit/ PVC trunking as required.				
2.1	1 x 1.5 sq. mm	16.00	Mtr.		
2.2	3 x 1.5 sq. mm	63.00	Mtr.		
2.3	2 x 4 sq. mm	10.00	Mtr.		
2.4	3 x 4 sq. mm	85.00	Mtr.		
2.5	3 x 6 sq. mm	16.00	Mtr.		
3	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				
3.1	5/6 amp switch	102.00	Each		
3.2	2 way 5/6 amp switch	7.00	Each		
3.3	3 pin 5/6 amp socket outlet	34.00	Each		
3.4	15/16 amp switch	29.00	Each		
3.5	6 pin 15/16 amp socket outlet	23.00	Each		

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3.6	Telephone socket / jack outlet	9.00	Each		
3.7	Call bell push	6.00	Each		
4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
4.1	5/6 amp switch	2.00	Each		
4.2	3 pin 5/6 amp socket outlet	4.00	Each		
4.3	15/16 amp switch	2.00	Each		
4.4	6 pin 15/16 amp socket outlet	2.00	Each		
4.5	Telephone socket outlet	2.00	Each		
4.6	Bell push	2.00	Each		
5	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.	1.00	Each		
6	Supplying and fixing following size/ modules, GI/PVC box alongwith modular base & cover plate for modular switches in recess etc as required.				
6.1	1 or 2 Module (75mmX75mm)	3.00	Each		
6.2	3 Module (100mmX75mm)	3.00	Each		
6.3	4 Module (125mmX75mm)	4.00	Each		
6.4	6 Module (200mmX75mm)	4.00	Each		
6.5	8 Module (125mmX125mm)	4.00	Each		
6.6	12 Module (200mmX150mm)	3.00	Each		
7	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.				

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7.1	1 or 2 Module	6.00	Each		
7.2	3 Module	2.00	Each		
7.3	4 Module	1.00	Each		
7.4	6 Module	2.00	Each		
7.5	8 Module	1.00	Each		
7.6	12 Module	1.00	Each		
8	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	2.00	Each		
9	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	5.00	Each		
10	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	7.00	Each		
11	Supplying and fixing brass batten/ angle holder including connection etc. as required.	35.00	Each		
12	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	4.00	Each		
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)				
13.1	12 way, Double door	1.00	Each		
13.2	16 way, Double door	1.00	Each		
14	Supply and installation of 400mm sweep AC 230/250 volts, 50 Hz wall mounting revolving fan with brackets etc complete.	4.00	Each		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
15	Supply, Installation, Testing and Commissioning of 1200 mm 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.	10.00	Each		
16	Supply, Installation, testing & commissioning of AC ceiling fan of following sweep 220 volts without regulator I/c wiring the down rods of standard length up to 30 cm with 1.5 sq.mm. PVC insulated copper conductor single core cable etc as reqd.				
16.1	1400 mm	1.00	Each		
17	Supply, Installation of exhaust fan, 900 rpm 220 volt AC, 50 Hz of following sweep in the existing opening I/c connection, testing, commissioning etc as reqd.				
17.1	300 mm	4.00	Each		
18	Locating fault in wiring rectifying removing & restoring supply the same & making good the damages etc as reqd.	27.00	Each		
19	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc.				
19.1	Single pole	13.00	Each		
20	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker with overcurrent protection (RCCBO), having a sensitivity current 300 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.				

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20.1	63 Amp	3.00	Each		
21	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32 A 240 V "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	1.00	Each		
22	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				
22.1	Fan Regulator socket type	13.00	Each		
23	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
23.1	20 X 12 mm	89.00	Mtr.		
23.2	25 X 16 mm	53.00	Mtr.		
23.3	32 X 16 mm	14.00	Mtr.		
24	Supplying and fixing wooden board of following sizes on surface/recessed with suitable size of phenolic laminated sheet cover etc. complete as required.				
24.1	100 mm X 100 mm	29.00	Each		
24.2	175 mm X 100 mm	16.00	Each		
24.3	200 mm X 150 mm	3.00	Each		
24.4	200 mm X 250 mm	1.00	Each		
25	Dismantling damaged DB/TPN Switches/ loose wire boxes along with all accessories and depositing the same in the store as req	2.00	Each		
26	Supplying and fixing 3 mm thick phenolic laminated sheet on existing board with brass screw and cup washer etc. complete as required.	5372.00	Sq.cm		
27	Supplying, fixing, connecting, commissioning and testing of the following luminaries light fixtures complete with all accessories and without lamp as required complete.				
27.1	Drum light fitting suitable for 60W GLS lamp	2.00	Each		

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27.2	Wall bracket fitting suitable for 60W GLS lamp	1.00	Each		
27.3	Bulk head fitting suitable for 60W GLS lamp	11.00	Each		
28	Supply / fixing and connecting & commissioning following CFL / lamps in existing fitting as req.				
28.1	LED PL-L18 watt	4.00	Each		
28.2	LED bulb 10 W	7.00	Each		
28.3	LED tube light 18 / 20 Watt.	4.00	Each		
29	Supplying, fixing, testing & commissioning and testing of the following luminaries light fixtures with Electronic driver, LED Lamp, reflector, diffuser, MS housing etc complete with all accessories as required.				
29.1	LED tube light fitting (1 X 18 / 20 Watt. LED) surface mounting luminaires	1.00	Each		
29.2	LED tube light fitting (2 X 18 / 20 Watt. LED) surface mounting luminaires	2.00	Each		
30	Supply / fixing , testing & commissioning of 12W LED. Slim surface mounted round LED panel al. die cast body with premium diffuser to ensure glare free as required complete LED make Havells or its equivalent make etc as reqd	8.00	Each		
31	Supply / fixing , testing & commissioning of 10W LED. recess mounted round LED panel al. die cast body with premium diffuser to ensure glare free as required complete LED etc as reqd.	18.00	Each		
32	Supply fixing connecting & commissioning of following rating 3 pin Plug top Complete as required.				
32.1	5/6 Amp	1.00	Each		
32.2	15/16 Amp	2.00	Each		
33	Dismantling, disconnecting old damaged unserviceable fl fitting/ exhaust fan/ ceiling fan/ bulkhead fitting with bracket etc. as reqd. and depositing in sectional store.	3.00	Each		
34	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	61.00	Each		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
35	Supplying and drawing telephone cable of 2 pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.	95.00	Mtr.		
36	Laying UTP cable enhanced cat 5/cat 6 cable in existing steel conduit pipe/GI pipe/ raceway / RCC pipe as reqd. the cost shall also include numbering of networking wire from room to rack as reqd. (wire will be supplied by dept)	39.00	Mtr.		
37	Dismantling and refixing of wooden board of any sizes on surface or in recessed etc as reqd.	26.00	Each		
	<b>Total Rs.</b>				