

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 73/IWD/ED/276****SCHEDULE OF QUANTITY**

Name of work: Modification/Renovation of Electrical Installation of vacate house no-362, 375 Type-III & 102, 1062, 143, 196, 1059, 1076, 1038, 1004, 174 Type-1 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	41.00	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	314.00	Mtr.		
2.2	3 x 1.5 sq. mm	302.00	Mtr.		
2.3	3 x 4 sq. mm	285.00	Mtr.		
2.4	3 x 6 sq. mm	120.00	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	121.00	Each		
3.2	2 way 5/6 amp switch	10.00	Each		
3.3	3 pin 5/6 amp socket outlet	72.00	Each		
3.4	15/16 amp switch	53.00	Each		
3.5	6 pin 15/16 amp socket outlet	53.00	Each		

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3.6	Telephone socket / jack outlet	11.00	Each		
3.7	Call bell push	7.00	Nos.		
4	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	58.00	Each		
5	Supplying and fixing brass batten/ angle holder including connection etc. as required.	56.00	Each		
6	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	9.00	Each		
7	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)				
7.1	12 way, Double door	10.00	Each		
8	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.	28.00	Each		
9	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. as required.				
9.1	Single pole	120.00	Each		

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10	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 300 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
10.1	40 Amp	9.00	Each		
10.2	63 Amp	2.00	Each		
11	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				
11.1	Fan Regulator socket type	26.00	Each		
12	Providing and fixing PVC casing and capping in place of defective and damaged wood batten including dismantling of batten and wire complete as required.				
12.1	20 X 12 mm	160.00	Mtr.		
12.2	25 X 16 mm	120.00	Mtr.		
12.3	32 X 16 mm	65.00	Mtr.		
13	Supplying and fixing wooden board of following sizes on surface/recessed with suitable size of phenolic laminated sheet cover etc. complete as required.				
13.1	100 mm X 100 mm	80.00	Each		
13.2	175 mm X 100 mm	60.00	Each		
13.3	200 mm X 150 mm	31.00	Each		
13.4	200 mm X 250 mm	18.00	Each		
14	Dismantling damaged DB/TPN Switches/ loose wire boxes along with all accessories and depositing the same in the store as reqd.	10.00	Each		
15	Supplying and fixing 3 mm thick phenolic laminated sheet on existing board with brass screw and cup washer etc. complete as required.	4400.00	Sq.cm		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
16	Supplying, fixing, connecting, commissioning and testing of the following luminaries light fixtures complete with all accessories and without lamp as required complete.				
16.1	Drum light fitting suitable for 60W GLS lamp	2.00	Each		
16.2	Wall bracket fitting suitable for 60W GLS lamp	6.00	Each		
16.3	Bulk head fitting suitable for 60W GLS lamp	10.00	Each		
17	Dismantling, disconnecting old damaged unserviceable fl fitting/ exhaust fan/ ceiling fan/ bulkhead fitting with bracket etc. as reqd. and depositing in sectional store.	12.00	Each		
18	Dismantling and refixing of switch / socket /regulator l/c cleaning, connecting, commissioning etc as reqd.	130.00	Each		
19	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.	110.00	Mtr.		
20	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)	100.00	Mtr.		
21	Dismantling and refixing of wooden board of any sizes on surface or in recessed etc as reqd.	30.00	Each		
22	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..	2.00	Each		
23	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. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	10.00	Mtr.		

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24	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	12.00	Mtr.		
	Total Rs.				