

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 08/IWD/ED/41****SCHEDULE OF QUANTITY****Name of Work: Modification/ renovation of electrical installation of vacate House No. 4055, 4092 Type-IV 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 B	42.00	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	90.00	Mtr.		
2.2	3 x 1.5 sq. mm	150.00	Mtr.		
2.3	3 x 4 sq. mm	180.00	Mtr.		
2.4	3 x 6 sq. mm	20.00	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	60.00	Each		
3.2	2 way 5/6 amp switch	4.00	Each		
3.3	3 pin 5/6 amp socket outlet	30.00	Each		
3.4	15/16 amp switch	16.00	Each		
3.5	6 pin 15/16 amp socket outlet	16.00	Each		
3.6	Telephone socket / jack outlet	2.00	Each		
3.7	Call bell push	2.00	Nos.		

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4	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	27.00	Each		
5	Supplying and fixing brass batten/ angle holder including connection etc. as required.	18.00	Each		
6	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1.00	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	16 way, Double door	2.00	Each		
8	Supply, Installation, testing & commissioning of AC ceiling fan of following sweep 220 volts without regulator l/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.				
8.1	1200 mm	5.00	Nos		
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	32.00	Each		
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				
10.1	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	6.00	Each		
12	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				

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12.1	20 x 12 mm	70.00	Mtr.		
12.2	25 x 16 mm	80.00	Mtr.		
12.3	32x 16 mm	25.00	Mtr.		
13	Providing and fixing casing and capping in place of defective and damaged wood batten including dismantling of batten and wire & relaying of wires as required complete.				
13.1	20 x 12 mm	80.00	Mtr.		
13.2	25 x 16 mm	100.00	Mtr.		
13.3	32x 16 mm	30.00	Mtr.		
14	Supplying and fixing metal box of following sizes ( nominal size ) on surface or in recess with suitable size of phenolic laminated sheet cover in the front l/c painting etc as reqd.				
14.1	100 mm x 100 mm x 60 mm deep	10.00	Nos.		
14.2	180 mm x 100 mm x 60 mm deep	6.00	Nos.		
14.3	200 mm x 150 mm x 60 mm deep	2.00	Nos.		
15	Supplying and fixing wooden board of following sizes on surface/recessed with suitable size of phenolic laminated sheet cover etc. complete as required.				
15.1	100 mm X 100 mm	35.00	Each		
15.2	175 mm X 100 mm	18.00	Each		
15.3	200 mm X 150 mm	13.00	Each		
15.4	200 mm X 250 mm	6.00	Each		
16	Dismantling damaged DB/TPN Switches/ loose wire boxes along with all accessories and depositing the same in the store as req	2.00	Each		
17	Supplying and fixing 3 mm thick phenolic laminated sheet on existing board with brass screw and cup washer etc. complete as required.	4000.00	Sq.cm		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
18	Supplying, fixing, connecting, commissioning and testing of the following luminaries light fixtures complete with all accessories and without lamp as required complete.				
18.1	Drum light .	10.00	Nos.		
18.2	Wall bracket	6.00	Nos.		
18.3	Bulk head fitting suitable for 60W GLS lamp	10.00	Nos		
19	Dismantling, disconnecting old damaged unserviceable fl fitting/ exhaust fan/ ceiling fan/ bulkhead fitting with bracket etc. as reqd. and depositing in sectional store.	6.00	Each		
20	Dismantling and refixing of switch / socket /regulator l/c cleaning, connecting, commissioning etc as reqd.	40.00	Each		
21	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.	30.00	Mtr.		
22	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)	40.00	Mtr.		
23	Dismantling and refixing of wooden board of any sizes on surface or in recessed etc as reqd.	6.00	Each		
24	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..	1.00	Each		
25	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)	6.00	Mtr.		
26	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	12.00	Mtr.		
	<b>Total Rs.</b>				