

INDIAN INSTITUTE OF TECHNOLOGY KANPUR					
Tender Notice No. 18 /IWD/ED/73					
SCHEDULE OF QUANTITY					
Name of work: Setting right and renovation / modification of electrical installation vacate house no. 177B to 184B Type-1B, 220, 242 Type-2					
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 conduit including dismantling as required.				
a	Group 'B'	55.00	points		
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	1 x 1.5 Sq.mm..	130.00	Mtr.		
b	3 x 1.5 Sq.mm..	290.00	Mtr.		
c	3 x 4 Sq.mm..	210.00	Mtr.		
d	3 x 6 Sq.mm..	120.00	Mtr.		
3	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	2 Pair	100.00	Mtr.		
4	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
a	25 mm	20.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
5	S & F following piano type switch /socket on existing switch box/cover I/c connection etc as reqd.				
a	5/6 Amp switch	70.00	Nos.		
b	2 way5/6 Amp switch	2.00	Nos.		
c	15/16 Amp. switch	22.00	Nos.		
d	3 Pin 5/6 Amp. socket outlet	42.00	Nos.		
e	6 Pin 15/16 Amp. socket outlet.	17.00	Nos.		
f	Telephone socket outlet	8.00	Nos.		
g	Bell push	5.00	Nos.		
6	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	53.00	Nos.		
7	Supplying and fixing brass batten/ angle holder including connection etc. as required.	40.00	Nos.		
8	Supplying and fixing call bell/ buzzer suitable for single phase,230 V, complete as required.	6.00	Nos.		
9	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	6 way, Double door	8.00	Nos.		
b	12-way , Double door	2.00	Nos.		
10	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)				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a	4 way (4 + 12), Double door	1.00	Nos.		
11	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	80.00	Nos.		
12	S & F following rating double pole (single phase & neutral) 240 volts RCCB (ELCB), having sensivity current up to 30 mA in the existing MCB DB complete with connection,testing & commissioning etc as reqd.				
a	25 Amp	8.00	Nos.		
b	40 Amp	1.00	Nos.		
c	63 Amp	1.00	Nos.		
13	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	2.00	Nos.		
14	Supplying and making indoor end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1kV grade as reqd.				
a	3-1/2x25 sqmm(28mm)	2.00	Set		
15	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc as required				
a	50mm dia	10.00	Mtr.		

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16	Fixing of RJ-45 modular box with cover plate or I/o box for internet on surface/ recessed cutting the wall making good the same as required. (box and cover plate will be supplied by dept.)	10.00	Nos.		
17	Drawing of optical cable enhanced cat5/cat6/telephone/networking/power cable in existing steel conduit pipe/GI/HDPE pipe including numbering of networking wire from room to rack as reqd.	210.00	Mtr.		
18	S & F wood board of following sizes on surface or in recessed with suitable size of phenolic laminated sheet cover in the front etc as reqd.				
a	100 mm x 100 mm	103.00	Nos.		
b	175 mm x 100 mm	29.00	Nos.		
c	200 mm x 150 mm	13.00	Nos.		
d	200 mm x 250 mm	9.00	Nos.		
19	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a	20 x 12 mm	230.00	Mtr.		
b	25 x 16 mm	130.00	Mtr.		
c	32x 16 mm	60.00	Mtr.		
d	38x 16 mm	40.00	Mtr.		
20	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	15.00	Nos.		
21	Dismantling and refixing of wood board of any size on surface or in recessed etc as reqd.	48.00	Nos.		
22	Dismantling damaged DB/TPN Switches/ loose wire boxes along with all accessories and depositing the same in the store as reqd.	10.00	Nos.		
23	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd.	1300.00	Sq.inch		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
24	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	55.00	Nos.		
25	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.				
a	1200 mm	2.00	Nos.		
26	Supplying fiixing erection of wall bracket/ceiling fittings of all sizes and shapes containing upto two GLS/CFL lamps per fitting complete with all accessories includng connecting etc as required (without Lamp)				
a	bulkhead for 10w gls/CFL LAMP	13.00	Nos.		
27	S & F 40 amp to 63 amp rating 240 volts 'C' curve 10 kA MCB of following pole in the existing MCB DB complete with connection, testing & commissioning etc as reqd. (legrand)				
a	Single Pole	8.00	Nos.		
b	Triple pole and neutral	1.00	Nos.		
28	Supplying & Laying of one no. XLPE cable aluminium conductor steel armoured cable of size 3-1/2 x 25sqmm, grade 1.1kV in following manners.				
a	In Ground I/c excavation, sand cushioning protective covering, refilling of earth as reqd.	70.00	Mtr.		
b	In existing Pipe	15.00	Mtr.		
c	In existing open duct	5.00	Mtr.		
29	Supply & laying of HDPE pipe ISI mark of size 40mm inner dia, 8Kg / cm ² and minimum 2mm thick I/c cartage loading & unloading etc. as reqd.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a	In Ground I/c excavation, sand cushioning protective covering & refilling the trench with dressing of earth etc. as reqd.of earth as reqd.	20.00	Mtr		
b	In existing pipe	5.00	Mtr.		
c	In existing open duct.	5.00	Mtr.		
	Total Rs.				