

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Tender Notice No. 45/IWD/ED/231

SCHEDULE OF QUANTITY

Name of Work: Rewiring & modification of electrical installations in vacate H.No. 4096, 1069, 126 and providing casing in place of wood batten and making additional 15A/5A power outlet within revised norms in vacate H.No. 327, 329, 368.

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.				
a)	Group A	32.00	Nos		
b)	Group B	37.00	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)	1 X 1.5 Sq.mm	170.00	Mtr		
b)	2 X 1.5 Sq.mm	50.00	Mtr		
c)	3 X 1.5 Sq.mm	520.00	Mtr		
d)	2 X 4 Sq.mm	40.00	Mtr		
e)	3 x 4 Sq.mm	350.00	Mtr		
f)	2 x 16 Sq.mm	20.00	Mtr		
3	Supply and drawing telephone wire of 2 pair 0.50 mm annealed tinned copper conductor PVC insulated unsheathed twisted wire in existing/ surface concealed conduit as reqd. including numbering the wires at both the ends.	70.00	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	5.00	Mtr.		
b)	32 mm	5.00	Mtr.		
5	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a)	20 x 12 mm	200.00	Mtr.		
b)	25 x 16 mm	150.00	Mtr.		
c)	32x 16 mm	100.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
d)	38 x 16 mm	70.00	Mtr.		
6	Providing and fixing casing and capping in place of defective and damaged wooden batten including dismantling and relaying of wire as required complet.				
a)	20 x 12 mm	160.00	Mtr.		
b)	25 x 16 mm	130.00	Mtr.		
c)	32x 16 mm	100.00	Mtr.		
d)	38 x 16 mm	20.00	Mtr.		
7	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.				
a)	180 mm X 100 mm X 60 mm deep	5.00	Nos.		
b)	200 mm X 150 mm X 60 mm deep	5.00	Nos.		
8	S & F shisham 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	100.00	Nos.		
b)	175 mm x 100 mm	40.00	Nos.		
c)	200 mm x 150 mm	25.00	Nos.		
d)	200 mm x 250 mm	15.00	Nos.		
9	Supplying, fixing, connecting, commissioning and testing of the following luminaries light fixtures complete with all accessories and without lamp as required complete.				
a)	Drum light cat No.03 PV / 02 decon make or equivalent.	5.00	Nos.		
b)	Wall bracket Decon make cat. no. 0553 or equivalent.	12.00	Nos.		
c)	Bulk head fitting suitable for 60W GLS lamp, Philips make or equivalent.	12.00	Nos		
10	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connections etc as reqd.				
a)	5/6 amps switch	130.00	Nos		
b)	2 way 5/6 amps switch	10.00	Nos		
c)	15/16 amps switch	30.00	Nos		
d)	3 pin 5/6 amps socket outlet	50.00	Nos		
e)	6 pin 15/16 amps socket outlet	35.00	Nos		
f)	Telephone socket outlet	7.00	Nos		
g)	Fan regulator socket type rotary step	15.00	Nos.		
h)	Bell push	5.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
11	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	3.00	Nos.		
12	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	50.00	Nos.		
13	Dismantling and refixing of switch / socket /regulator l/c cleaning, connecting, commissioning etc as reqd.	80.00	Nos.		
14	Supplying and fixing brass batten/ angle holder including connection etc. as required.	40.00	Nos.		
15	Supplying and fixing call bell/ buzzer suitable for D.C./A.C. single phase, 230 volts, complete as required.	4.00	Nos.		
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required.(But without MCB/RCCB/ISolator)				
a)	12-way , Double door	2.00	Nos.		
b)	16-way , Double door	1.00	Nos.		
17	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	35.00	Nos.		
18	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB Db complete with connections, testing and commissioning etc as required.				
a)	40 amps	1.00	Nos.		
b)	63 amps	2.00	Nos.		
19	Earthing with GI earth pipe 4.5 mtr. long., 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal or coke and salt as reqd.	1.00	Nos		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
20	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	20.00	Mtr.		
21	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)	1200mm sweep.	3.00	Nos		
22	Supply and fixing Fan hook I/C cutting the slab and fixing with the reinforcement and making damage, painging etc. as the same.	3.00	Nos		
23	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd.	15000.00	Sq.cm		
24	Dismantling and refixing of shisham wood board of any sizess on surface or in recessed etc as reqd.	30.00	Nos.		
	Total Rs.				