

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 64/IWD/ED/328****SCHEDULE OF QUANTITY**

Name of work: Part-A: Replacement of damaged UTP wire at H.No. 502, 4070, 4097 and 254 B as requested by the Computer Centre.

Part-B: Modification /Renovation of electrical installation of vacate H.No. 318 and 653.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
Part-A:					
1	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	50 mm	30.00	Mtr.		
2	Laying UTP/ RJ-11/ RJ-6/ Telephone wire/ cable in existing steel conduit pipe/ GI pipe/ HDPE pipe as reqd. (The cost shall also include numbering of networking wire from room to rack as reqd.)	800.00	Mtr.		
3	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a	25 x 16 mm	30.00	Mtr.		
4	Digging trench for taking out cable and refilling , watering ,ramming the same after taking out cable as reqd complete.	10.00	Mtr		
5	Supply and laying of HDPE pipe ISI mark of 25 mm (8Kg / cm ²) size inner dia, 2mm thick I/c cartage loading & unloading etc. as reqd.				
a	Direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	125.00	Mtr.		
b	In pipe	20.00	Mtr.		
c	On surface with MS clamp	3.00	Mtr.		
d	In open duct	2.00	Mtr.		
6	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.)	4.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
7	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover- without central partion etc. as reqd.				
a	Mini- trunking	50.00	Mtr.		
b	End cap left or right	4.00	Nos.		
c	Internal/ external angle	10.00	Nos.		
d	Flat angle	10.00	Nos.		
	Total (Part-A)				
	Part-B:				
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 'A'	6.00	Points		
b)	Group 'B'	15.00	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..	20.00	Mtr.		
b	3 x 1.5 Sq.mm..	20.00	Mtr.		
c	3 x 4 Sq.mm..	12.00	Mtr.		
d	3 x 6 Sq.mm..	8.00	Mtr.		
3	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.	10.00	Mtr.		
4	S & F following piano type switch /socket on existing switch box/cover I/c connection etc as reqd.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a	5/6 Amp switch	30.00	Nos.		
b	15/16 Amp. switch	10.00	Nos.		
c	3 Pin 5/6 Amp. socket outlet	19.00	Nos.		
d	6 Pin 15/16 Amp. socket outlet.	10.00	Nos.		
e	Telephone socket / jack outlet	2.00	Nos.		
f	Call bell push	1.00	Nos.		
5	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	6.00	Nos.		
6	Supplying and fixing brass batten/ angle holder including connection etc. as required.	10.00	Nos.		
7	Supplying and fixing call bell/ buzzer suitable for D.C./A.C. single phase, 230 volts, complete as required.	1.00	Nos.		
8	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	16-way , Double door	2.00	Nos.		
9	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	32.00	Nos.		
10	S & F following rating double pole (single phase & neutral) 240 volts RCCB (ELCB), having sensivity current up to 300 mA in the existing MCB DB complete with connection,testing & commissioning etc as reqd.				
a	63 Amp	2.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
11	Earthing with G.I 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 and salt as required.	1.00	Set		
12	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	2.00	Nos.		
13	Laying UTP/ RJ-11/ RJ-6/ Telephone wire/ cable in existing steel conduit pipe/ GI pipe/ HDPE pipe as reqd. (The cost shall also include numbering of networking wire from room to rack as reqd.)	10.00	Mtr.		
14	Providing and fixing casing and capping in place of defective and damaged wood batten including dismantling of betten and wire & relaying of wires as required complet.				
a	20 x 12 mm	15.00	Mtr.		
b	25 x 16 mm	9.00	Mtr.		
c	32x 16 mm	4.00	Mtr.		
15	S & F wooden 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	9.00	Nos.		
b	175 mm x 100 mm	5.00	Nos.		
c	200 mm x 150 mm	2.00	Nos.		
d	200 mm x 250 mm	2.00	Nos.		
16	Dismantling damaged DB/TPN Switches/ loose wire boxes along with all accessories and depositing the same in the store as reqd.	2.00	Nos.		
17	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.	4.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
b)	Wall bracket Decon make cat. no. 0553 or equivalent.	6.00	Nos.		
c)	Bulk head fitting suitable for 60W GLS lamp, Philips make or equivalent.	4.00	Nos		
18	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	30.00	Nos.		
19	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	5.00	Nos		
b)	1400 mm	2.00	Nos.		
20	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd.	300.00	Sq.cm		
21	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.)	4.00	Nos.		
22	Dismantling and refixing of wooden board of any sizes on surface or in recessed etc as reqd.	20.00	Nos.		
	Total (Part-B)				
	Grand Total (Part-A + Part-B)				