

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Tender Notice No. 107 /IWD/ED/600

SCHEDULE OF QUANTITY

Name of Work: Electrical work for:
 Part-A Electrical Maintenance work at south side residences as per enclosed complaint.
 Part-B Electrical Maintenance work at south side residences as per enclosed complaint.
 Part-C Electrical repairing at vacated H.No. 195 B and internet wiring at H.No. FA-B-102 (VH) as per enclosed complaints.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
	Part-A				
1	Supplying & drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel / PVC conduit as reqd.				
a	3 x 1.5 Sq.mm..	16.00	Mtr.		
2	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	5.18	Mtr.		
3	S & F following piano type switch /socket on existing switch box/cover I/c connection etc as reqd.				
a	5/6 Amp switch	46.00	Nos.		
b	15/16 Amp. switch	7.00	Nos.		
c	3 Pin 5/6 Amp. socket outlet	19.00	Nos.		
d	6 Pin 15/16 Amp. socket outlet.	6.00	Nos.		
e	Telephone socket outlet	1.00	Nos.		
f	Bell push	2.00	Nos.		
4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a	15/16 Amp. switch	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
b	6 Pin 15/16 Amp. socket outlet.	1.00	Nos.		
c	Bell push	1.00	Nos.		
5	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	1.00	Nos.		
6	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required	1.00	Nos.		
7	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.				
a	4 Module	1.00	Nos.		
8	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	3.00	Nos.		
9	Supplying and fixing brass batten/ angle holder including connection etc. as required.	4.00	Nos.		
10	Supplying and fixing call bell/ buzzer suitable for single phase,230 V, complete as required.	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	2.00	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	40 Amp	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
13	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.	12.60	Mtr.		
14	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	3.00	Nos.		
b	175 mm x 100 mm	5.00	Nos.		
c	200 mm x 250 mm	5.00	Nos.		
15	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a	20 x 12 mm	11.50	Mtr.		
b	25 x 16 mm	21.00	Mtr.		
c	32x 16 mm	5.00	Mtr.		
16	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	4.00	Nos.		
17	Dismantling and refixing of wood board of any size on surface or in recessed etc as reqd.	5.00	Nos.		
18	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.)	1.00	Nos.		
19	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd.	1324.00	Sq.inch		
20	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	41.00	Nos.		
21	Dismantling, and refixing all type fitting/ exhaust fan/ ceiling fan/ bulkhead fitting with bracket etc. as reqd. and depositing in sectional store.	6.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
22	Locating fault in wiring rectifying removing & restoring supply the same & making good the damages etc as reqd.	13.00	Nos.		
23	Supply / fixing , testing & commissioning of 1 x 12W LED surface mounted light fixture with Electronic driver, lamp, reflector, diffuser, MS body/housing holder etc. complete with all fixing accessories and lamps as required complete LED make Crompton or its equivalent make etc as reqd	32.00	Nos.		
24	Dismantling, disconnecting old damaged unserviceable fl fitting/ exhaust fan/ ceiling fan/ bulkhead fitting with bracket etc. as reqd. and depositing in sectional store.	32.00	Nos.		
25	Supplying, fixing, connecting, commissioning and testing of the following luminaries light fixtures complete with all accessories and without lamp as required complete Crompton make or equivalent.				
a	Bulk head fitting suitable for 100W GLS lamp,	1.00	Nos		
	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'	3.00	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	3 x 1.5 Sq.mm..	22.00	Mtr.		
b	3 x 4 Sq.mm..	91.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
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	23.33	Mtr.		
4	S & F following piano type switch /socket on existing switch box/cover I/c connection etc as reqd.				
a	5/6 Amp switch	52.00	Nos.		
b	2 way 5/6 A switch	1.00	Nos.		
c	15/16 Amp. switch	16.00	Nos.		
d	3 Pin 5/6 Amp. socket outlet	23.00	Nos.		
e	6 Pin 15/16 Amp. socket outlet.	17.00	Nos.		
f	Telephone socket outlet	2.00	Nos.		
5	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a	15/16 Amp. switch	2.00	Nos.		
b	6 Pin 15/16 Amp. socket outlet.	2.00	Nos.		
c	Bell push	1.00	Nos.		
6	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required	2.00	Nos.		
7	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
a	3 Module (100mmX75mm)	1.00	Nos.		
8	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a	1 or 2 Module	1.00	Nos.		
b	4 Module	1.00	Nos.		
9	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	1.00	Nos.		
10	Supplying and fixing brass batten/ angle holder including connection etc. as required.	10.00	Nos.		
11	Supplying and fixing call bell/ buzzer suitable for single phase,230 V, complete as required.	1.00	Nos.		
12	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.	14.13	Mtr.		
13	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	15.00	Nos.		
b	175 mm x 100 mm	14.00	Nos.		
c	200 mm x 150 mm	5.00	Nos.		
d	200 mm x 250 mm	5.00	Nos.		
14	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a	20 x 12 mm	22.00	Mtr.		
b	25 x 16 mm	60.00	Mtr.		
15	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	3.00	Nos.		
16	Dismantling and refixing of wood board of any size on surface or in recessed etc as reqd.	5.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
17	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.)	1.00	Nos.		
18	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd.	1212.00	Sq.inch		
19	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	18.00	Nos.		
20	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.		
21	Repairing , cleaning, testing & commissioning box /industrial type /decorative type fitting I/c replacement of all parts if reqd.	2.00	Nos.		
22	Supply / fixing of following LED bulb in existing fitting as reqd.				
a	7 W	12.00	Nos		
23	Supplying of 20W LED TUBE LIGHT (DOUBLE SIDE CONNECTION) lamp for fixing in existing street light fitting complete as required.	10.00	Nos.		
24	Locating fault in wiring rectifying removing & restoring supply the same & making good the damages etc as reqd.	7.00	Nos.		
25	Supply / fixing , testing & commissioning of 1 x 12W LED surface mounted light fixture with Electronic driver, lamp, reflector, diffuser, MS body/housing holder etc. complete with all fixing accessories and lamps as required complete LED make Crompton or its equivalent make etc as reqd	1.00	Nos.		
	Part-C				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	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..	10.00	Mtr.		
b	3 x 1.5 Sq.mm..	5.00	Mtr.		
c	3 x 4 Sq.mm..	70.00	Mtr.		
2	S & F following piano type switch /socket on existing switch box/cover I/c connection etc as reqd.				
a	5/6 Amp switch	6.00	Nos.		
b	15/16 Amp. switch	2.00	Nos.		
c	3 Pin 5/6 Amp. socket outlet	2.00	Nos.		
d	6 Pin 15/16 Amp. socket outlet.	2.00	Nos.		
3	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a	15/16 Amp. switch	3.00	Nos.		
b	6 Pin 15/16 Amp. socket outlet.	3.00	Nos.		
4	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required				
a	3 Module (100 mmX75 mm)	3.00	Nos.		
5	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	3.00	Nos.		
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.)	1.00	Nos.		
7	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.	20.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
8	Supplying, installation DLP 32mm x 20mm and accessories white-system with independent cover- without central partion etc. as reqd.				
a	Mini- trunking	60.00	Mtr.		
b	End cap left or right	4.00	Nos.		
c	Internal/ external angle	5.00	Nos.		
d	Flat angle	5.00	Nos.		
9	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a	25 x 16 mm	6.00	Mtr.		
	Total (part-A + Part-B & Part-C)				