

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 121/IWD/ED/642****SCHEDULE OF QUANTITY**

Name of work: Electrical maintenance works at south side residences as per enclosed complaints.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
<b>Part-A:</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'	1.00	Points		
2	S & F following piano type switch /socket on existing switch box/cover I/c connection etc as reqd.				
a)	5/6 Amp switch	16.00	Nos.		
b)	2 way 5/6 A switch	1.00	Nos.		
c)	15/16 Amp. switch	3.00	Nos.		
d)	3 Pin 5/6 Amp. socket outlet	7.00	Nos.		
e)	6 Pin 15/16 Amp. socket outlet.	5.00	Nos.		
f)	telephone socket outlet	1.00	NOS		
3	Supply, fixing, following modular type switch / socket on existing modular plate & switch box including connectins but excluding modular plate etc. as reqd.				
a)	5/6 Amp switch	31.00	Nos.		
b)	15/16 Amp. switch	6.00	Nos.		
c)	3 Pin 5/6 Amp. socket outlet	16.00	Nos.		
d)	6 Pin 15/16 Amp. socket outlet.	9.00	Nos.		
e)	Bellpush	1.00	NOS		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
f)	Fan regulator socket type rotary step	10.00	Nos.		
g)	Blanking	7.00	NOS		
4	Supply and fixing following modular base and cover plate on existing modular metal boxes etc as required .				
a)	3 module	4.00	NOS		
b)	4 module	2.00	NOS		
c)	6 module	4.00	NOS		
d)	8 module	1.00	NOS		
e)	12 module	2.00	NOS		
5	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	2.00	Nos.		
6	Supplying and fixing brass batten/ angle holder including connection etc. as required.	9.00	Nos.		
7	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1.00	Nos.		
8	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	1.00	Nos.		
9	S & F following rating double pole (single phase & neutral) 240 volts RCCB (ELCB), having sensitivity current up to 30 mA in the existing MCB DB complete with connection, testing & commissioning etc as reqd.				
a)	40 Amp	1.00	Nos.		
10	Supplying, fixing, connecting, commissioning and testing of the following luminaires light fixtures complete with all accessories and with lamp as required complete.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a)	LED tube light fitting (1 X 18 / 20 Watt. LED) surface mounting luminaires make wipro or its equivalent.	9.00	Nos.		
b)	7 Watt LED Bulb	3.00	Nos.		
11	Supply & fixing of 12 W surface mounted light ec.as reqd. make Havells or its equivalent approved make.	64.00	Nos.		
12	S & F wood board of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in the front etc as reqd.				
a)	100 mm x 100 mm	5.00	Nos.		
b)	175 mm x 100 mm	1.00	Nos.		
c)	200 mm x 150 mm	1.00	Nos.		
13	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd.	236.00	sq .inch		
14	Dismantling and refixing of wood board of any size on surface or in recessed etc as reqd.	10.00	Nos.		
15	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	9.00	Nos.		
16	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	15.00	Nos.		
17	Locating fault in wiring rectifying removing & restoring supply the same & making good the damages etc as reqd.	17.00	Nos.		
19	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.)	9.00	Mtr.		
	<b>Part-B:</b>				

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 'A'	7.00	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..	13.00	Mtr.		
b)	3 x 1.5 Sq.mm..	62.00	Mtr.		
c)	3 x 4 Sq.mm..	36.00	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	54.00	Nos.		
b)	2 way 5/6 A switch	1.00	Nos.		
c)	15/16 Amp. switch	7.00	Nos.		
d)	3 Pin 5/6 Amp. socket outlet	16.00	Nos.		
e)	6 Pin 15/16 Amp. socket outlet.	6.00	Nos.		
e)	Telephone socket / jack outlet	1.00	Nos.		
g)	Bell push	3.00	Nos.		
4	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	5.00	Nos.		
5	Supplying and fixing brass batten/ angle holder including connection etc. as required.	9.00	Nos.		
6	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	2.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
7	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)	12 way , Double door	1.00	Nos.		
8	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	14.00	Nos.		
9	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	3.00	Nos.		
10	Supplying and fixing fan regulator socket type rotary step as required.	5.00	Nos.		
11	S & F wood board of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in the front etc as reqd.				
a)	100 mm x 100 mm	21.00	Nos.		
b)	175 mm x 100 mm	5.00	Nos.		
c)	200 mm x 150 mm	1.00	Nos.		
d)	200 mm x 250 mm	5.00	Nos.		
12	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a)	20 x 12 mm	33.00	Mtr.		
b)	25 x 16 mm	26.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
13	Dismantling and refixing of wood board of any size on surface or in recessed etc as reqd.	8.00	Nos.		
14	Dismantling damaged DB/TPN Switches/ loose wire boxes along with all accessories and depositing the same in the store as reqd.	1.00	Nos.		
15	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd.	2734.00	sq .cm		
16	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	66.00	Nos.		
17	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	19.00	Nos.		
18	Supplying fiixing erection of wall bracket/ceiling fittings of all sizes and shapes containing upto two GLS lamps per fitting complete with all acessories includng connecting etc as required (without Lamp)				
a)	bulkhead for 100w gls LAMP	2.00	Nos.		
b)	wallbracket	6.00	NOS.		
19	Supply & fixing of 12 W surface mounted light ec.as reqd. make Havells OR equivalent approved make.	22.00	Nos.		
20	Locating fault in wiring rectifying removing & restoring supply the same & making good the damages etc as reqd.	10.00	Nos.		
21	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.)	15.00	Mtr.		
	<b>Part-C:</b>				

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..	32.26	Mtr.		
b)	3 x 1.5 Sq.mm..	55.55	Mtr.		
c)	3 x 4 Sq.mm..	61.96	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	85.00	Nos.		
b)	2 way 5/6 A switch	3.00	Nos.		
c)	15/16 Amp. switch	15.00	Nos.		
d)	3 Pin 5/6 Amp. socket outlet	24.00	Nos.		
e)	6 Pin 15/16 Amp. socket outlet.	14.00	Nos.		
f)	Bell push	9.00	Nos.		
3	Supply, fixing, following modular type switch / socket on existing modular plate & switch box including connectins but excluding modular plate etc. as reqd.				
a)	5/6 Amp switch	13.00	Nos.		
b)	15/16 Amp. switch	2.00	Nos.		
c)	3 Pin 5/6 Amp. socket outlet	3.00	Nos.		
d)	6 Pin 15/16 Amp. socket outlet.	3.00	Nos.		
e)	Bell push	1.00	Nos.		
f)	Fan regulator socket type rotary step	4.00	Nos.		
4	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a)	3 Module (100mmX75mm)	2.00	Nos.		
5	S/F following modular base & cover plate on existing modular metal boxes etc. as reqd.				
a)	1 or 2 module	1.00	Nos.		
b)	3 module	1.00	Nos.		
6	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	3.00	Nos.		
7	Supplying and fixing brass batten/ angle holder including connection etc. as required.	9.00	Nos.		
8	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	6.00	Nos.		
9	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required	2.00	Nos.		
10	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)	12 way , Double door	2.00	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	24.00	Nos.		



S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
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	4.00	Nos.		
13	Supplying and fixing fan regulator socket type rotary step as required.	7.00	Nos.		
14	S & F wood board of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in the front etc as reqd.				
a)	100 mm x 100 mm	18.00	Nos.		
b)	175 mm x 100 mm	14.00	Nos.		
15	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a)	20 x 12 mm	65.61	Mtr.		
b)	25 x 16 mm	63.25	Mtr.		
16	Dismantling and refixing of wood board of any size on surface or in recessed etc as reqd.	7.00	Nos.		
17	Dismantling damaged DB/TPN Switches/ loose wire boxes along with all accessories and depositing the same in the store as reqd.	2.00	Nos.		
18	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd.	509.00	Sq.cm		
19	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	46.00	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	12.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
21	Supplying fixing erection of wall bracket/ceiling fittings of all sizes and shapes containing upto two GLS lamps per fitting complete with all accessories including connecting etc as required (without Lamp)				
a)	Bulkhead for 100w GLS LAMP	10.00	Nos.		
22	Supply & fixing of 12 W surface mounted light ec.as reqd. make Havells or its equivalent make.	2.00	Nos.		
23	Locating fault in wiring rectifying removing & restoring supply the same & making good the damages etc as reqd.	25.00	Nos.		
24	Supply / fixing and connecting & commissioning following CFL / lamps in existing fitting as reqd.(Make-Phillips or its equivalent)				
a)	LED bulb 7/10 W	1.00	Nos.		
b)	LED tube light 18 / 20 Watt.	9.00	Nos.		
	<b>Total Rs.</b>				