

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Tender Notice No. 82/IWD/ED/497

SCHEDULE OF QUANTITY

Name of work: Electrical work for
 Part-A
 Modification and rewiring of electrical installation at vacated House No. 4088 with servant quarter and garage Type-IV.
 Part-B
 Modification of electrical installation at vacated House No. 342, 344 and 3063 Type-III.
 Part-C
 Modification of electrical installation at vacated House No. 172, 1068 Type-I

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
	Part-A				
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'	37.00	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..	50.00	Mtr.		
b)	3 x 1.5 Sq.mm..	100.00	Mtr.		
c)	3 x 4 Sq.mm..	120.00	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. [N.R]	30.00	Mtr.		
4	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.)	40.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
5	Supply and fixing of following sizes of medium class PVC conduit along with the accessories in surface /recess including cutting the wall and making good the same in case of recessed conduit as reqd.				
a)	25mm [N.R]	5.00	Mtr		
6	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a)	20 x 12 mm	50.00	Mtr.		
b)	25 x 16 mm	100.00	Mtr.		
c)	32x 16 mm	60.00	Mtr.		
7	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	20.00	Nos.		
b)	175 mm x 100 mm	10.00	Nos.		
c)	200 mm x 150 mm	8.00	Nos.		
d)	200 mm x 250 mm	5.00	Nos.		
8	S & F metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in the front I/c painting etc as reqd.				
a)	100 mm x 100 mm x 60 mm deep	5.00	Nos.		
b)	180 mm x 100 mm x 60 mm deep	4.00	Nos.		
c)	200 mm x 150 mm x 60 mm deep	5.00	Nos.		
d)	200 mm x 250 mm x 75 mm deep	2.00	Nos.		
e)	200 mm x 300 mm x 60 mm deep	1.00	Nos.		
f)	250 mm x 300 mm x 100 mm deep	1.00	Nos.		
9	Dismantling damaged DB/TPN Switches/ loose wire boxes along with all accessories and depositing the same in the store as reqd.	2.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
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	1.00	Nos.		
11	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	1.00	Nos.		
12	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	16.00	Nos.		
13	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.	3.00	Nos.		
b)	Wall bracket Decon make cat. no. 0553 or equivalent.	3.00	Nos.		
c)	Bulk head fitting suitable for 60W GLS lamp, Philips make or equivalent. [N.R]	2.00	Nos		
14	S & F following piano type switch /socket on existing switch box/cover I/c connection etc as reqd.				
a)	5/6 Amp switch	30.00	Nos.		
b)	2 way 5/6 amp switch	3.00	Nos.		
c)	15/16 Amp. switch	10.00	Nos.		
d)	3 Pin 5/6 Amp. socket outlet	20.00	Nos.		
e)	6 Pin 15/16 Amp. socket outlet.	10.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
f)	Telephone socket / jack outlet	2.00	Nos.		
g)	Call bell push	2.00	Nos.		
h)	Fan regulator socket type rotary step	4.00	Nos.		
15	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	10.00	Nos.		
16	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	15.00	Nos.		
17	Supplying and fixing brass batten/ angle holder including connection etc. as required. [N.R]	10.00	Nos.		
18	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	1.00	Nos		
b)	1400 mm	2.00	Nos.		
19	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd. [N.R]	2500.00	Sq.cm		
20	Dismantling and refixing of wooden board of any sizes on surface or in recessed etc as reqd.	5.00	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 'B'	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)	1 x 1.5 Sq.mm..	30.00	Mtr.		
b)	3 x 1.5 Sq.mm..	55.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
c)	3 x 4 Sq.mm..	80.00	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. [N.R]	25.00	Mtr.		
4	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.)	25.00	Mtr.		
5	Supply and fixing of following sizes of medium class PVC conduit along with the accessories in surface /recess including cutting the wall and making good the same in case of recessed conduit as reqd.				
a)	25mm [N.R]	5.00	Mtr		
6	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a)	20 x 12 mm	50.00	Mtr.		
b)	25 x 16 mm	100.00	Mtr.		
c)	32x 16 mm	60.00	Mtr.		
7	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	15.00	Nos.		
b)	175 mm x 100 mm	10.00	Nos.		
c)	200 mm x 150 mm	5.00	Nos.		
d)	200 mm x 250 mm	5.00	Nos.		
8	Dismantling damaged DB/TPN Switches/ loose wire boxes along with all accessories and depositing the same in the store as reqd.	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
9	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	1.00	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)	16-way , 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	16.00	Nos.		
12	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.	1.00	Nos.		
b)	Wall bracket Decon make cat. no. 0553 or equivalent.	1.00	Nos.		
c)	Bulk head fitting suitable for 60W GLS lamp, Philips make or equivalent. [N.R]	1.00	Nos		
13	S & F following piano type switch /socket on existing switch box/cover I/c connection etc as reqd.				
a)	5/6 Amp switch	15.00	Nos.		
b)	2 way 5/6 amp switch	3.00	Nos.		
c)	15/16 Amp. switch	10.00	Nos.		
d)	3 Pin 5/6 Amp. socket outlet	10.00	Nos.		
e)	6 Pin 15/16 Amp. socket outlet.	10.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
f)	Telephone socket / jack outlet	2.00	Nos.		
g)	Call bell push	2.00	Nos.		
h)	Fan regulator socket type rotary step	3.00	Nos.		
14	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	5.00	Nos.		
15	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	10.00	Nos.		
16	Supplying and fixing brass batten/ angle holder including connection etc. as required. [N.R]	5.00	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	1.00	Nos		
b)	1400 mm	1.00	Nos.		
18	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd. [N.R]	2500.00	Sq.cm		
19	Dismantling and refixing of wooden board of any sizes on surface or in recessed etc as reqd.	5.00	Nos.		
	Part-C				
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in PVC casing & capping, without switch,switch box etc. and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
a)	Group 'A'	1.00	Points		
2	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				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a)	Group 'A'	3.00	Points		
3	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..	40.00	Mtr.		
b)	3 x 4 Sq.mm..	45.00	Mtr.		
4	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. [N.R]	10.00	Mtr.		
5	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a)	20 x 12 mm	30.00	Mtr.		
b)	25 x 16 mm	20.00	Mtr.		
c)	32x 16 mm	10.00	Mtr.		
6	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	10.00	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	1.00	Nos.		
7	Dismantling damaged DB/TPN Switches/ loose wire boxes along with all accessories and depositing the same in the store as reqd.	3.00	Nos.		
8	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.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a)	40 Amp	1.00	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)	12-way , Double door	2.00	Nos.		
10	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	20.00	Nos.		
11	Supplying, fixing, connecting, commissioning and testing of the following luminaries light fixtures complete with all accessories and without lamp as required complete.				
a)	Bulk head fitting suitable for 60W GLS lamp, Philips make or equivalent. [N.R]	2.00	Nos		
12	S & F following piano type switch /socket on existing switch box/cover I/c connection etc as reqd.				
a)	5/6 Amp switch	20.00	Nos.		
b)	2 way 5/6 amp switch	2.00	Nos.		
c)	15/16 Amp. switch	6.00	Nos.		
d)	3 Pin 5/6 Amp. socket outlet	5.00	Nos.		
e)	6 Pin 15/16 Amp. socket outlet.	6.00	Nos.		
f)	Telephone socket / jack outlet	2.00	Nos.		
g)	Call bell push	1.00	Nos.		
h)	Fan regulator socket type rotary step	2.00	Nos.		
13	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	5.00	Nos.		
14	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	20.00	Nos.		
15	Supplying and fixing brass batten/ angle holder including connection etc. as required. [N.R]	5.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
16	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd. [N.R]	1500.00	Sq.cm		
17	Dismantling and refixing of wooden board of any sizess on surface or in recessed etc as reqd.	5.00	Nos.		
	Total Rs. (Part-A, Part-B & Part-C)				