

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Tender Notice No. 122/IWD/ED/671

SCHEDULE OF QUANTITY

Name of work: Electrical work for:

Part-A: Replacement of defective and damaged switch, sockets, LED tubes LED fittings DB MCB etc at SBRA, New SBRA and sump well 4 and other associated works.

Part-B: Replacement of defective and damaged switch, sockets, LED tubes, LED fittings, Exhaust fan with guard/ shutter etc at old SAC, New RA, SBRA, SS-3 and central school and other associated works.

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 'A'	8.00	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..	10.00	Mtr.		
b)	3 x 1.5 Sq.mm..	35.00	Mtr.		
c)	3 x 4 Sq.mm..	25.00	Mtr.		
3	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.)	500.00	Mtr.		
4	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a)	20 x 12 mm	90.00	Mtr.		
b)	25 x 16 mm	60.00	Mtr.		
c)	32x 16 mm	40.00	Mtr.		
5	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	13.00	Nos.		
b)	175 mm x 100 mm	6.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
c)	200 mm x 150 mm	2.00	Nos.		
6	Dismantling damaged DB/TPN Switches/ loose wire boxes along with all accessories and depositing the same in the store as reqd.	1.00	Nos.		
7	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)	40 Amp	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)	12-way , Double door	1.00	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	12.00	Nos.		
b)	Single Pole & Neutral	1.00	Nos.		
10	Supplying, fixing, connecting, commissioning and testing of the following luminaries light fixtures complete with all accessories and with lamp as required complete.				
a)	LED tube light fitting (1 X 18 / 20 Watt. LED) surface mounting luminares wipro make	6.00	Nos.		
b)	LED mirror light fixture 5/7 Watt	1.00	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.	2.00	Nos		
12	Supply and fixing testing and commissioning of 1X12 watt LED surface mounted light fixture with Electronic driver, lamp, reflector, diffusser, MS body/housing holder etc. complete with all fixing accessories and lamp as required complete.(eq. To Crompton cat. no. Cat LCDSPL-S-12-CDL).	8.00			
13	Supply and laying of HDPE pipe ISI mark of 32 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.	40.00	Mtr.		
b)	On surface with MS clamp	20.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
14	Supply / fixing and connecting & commissioning following CFL /LED/ lamps in existing fitting as reqd.(Make- Phillips)				
a)	PL-s 11 watts	2.00	Nos.		
b)	18 WATT PLL LED	14.00	Nos.		
c)	LED tube light 18 / 20 Watt.	2.00	Nos.		
15	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)	15/16 Amp. switch	3.00	Nos.		
c)	3 Pin 5/6 Amp. socket outlet	5.00	Nos.		
d)	6 Pin 15/16 Amp. socket outlet.	3.00	Nos.		
e)	Call bell push	1.00	Nos.		
f)	Fan regulator socket type rotary step	1.00	Nos.		
16	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	8.00	Nos.		
17	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	9.00	Nos.		
18	Supplying and fixing brass batten/ angle holder including connection etc. as required.	2.00	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	1.00	Nos		
20	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.)	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 'A'	8.00	Points		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
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..	5.00	Mtr.		
b)	3 x 1.5 Sq.mm..	25.00	Mtr.		
c)	3 x 4 Sq.mm..	45.00	Mtr.		
3	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.)	20.00	Mtr.		
4	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.		
5	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	5.00	Nos.		
c)	200 mm x 150 mm	2.00	Nos.		
d)	200 mm x 250 mm	2.00	Nos.		
6	S/F following modular base & cover plate on existing modular metal boxes etc. as reqd.				
a)	1 OR 2 module	2.00	Nos.		
b)	3 module	4.00	Nos.		
c)	4 module	7.00	Nos.		
d)	6 module	2.00	Nos.		
7	S & F following size/modules, GI box along with modular base and cover plate for modular switches in recess etc.as required.				
a)	3 module	2.00	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.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a)	Single Pole & Neutral	1.00	Nos.		
9	S & F 40 amp to 63 amp rating 240 volts 'C' curve 10 kA MCB of following pole in the existing MCB DB complete with connection, testing & commissioning etc as reqd. (legrand)				
a)	Triple pole & Neutral	1.00	Nos.		
10	Supplying, fixing, connecting, commissioning and testing of the following luminaries light fixtures complete with all accessories and with lamp as required complete.				
a)	LED tube light fitting (1 X 18 / 20 Watt. LED) surface mounting luminares wipro make	8.00	Nos.		
11	Supply / fixing and connecting & commissioning following CFL / lamps in existing fitting as reqd.(Make- Phillips)				
a)	PL-s 11 watts	2.00	Nos.		
b)	LED bulb 7/10 W	2.00	Nos.		
c)	LED tube light 18 / 20 Watt.	24.00	Nos.		
12	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	11.00	Nos.		
b)	15/16 Amp. switch	14.00	Nos.		
c)	3 Pin 5/6 Amp. socket outlet	8.00	Nos.		
d)	6 Pin 15/16 Amp. socket outlet.	14.00	Nos.		
e)	Blanking plate	4.00	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	25.00	Nos.		
b)	15/16 Amp. switch	5.00	Nos.		
c)	3 Pin 5/6 Amp. socket outlet	11.00	Nos.		
d)	6 Pin 15/16 Amp. socket outlet.	7.00	Nos.		
e)	Call bell push	1.00	Nos.		
f)	Fan regulator socket type rotary step	2.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
14	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	10.00	Nos.		
15	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	12.00	Nos.		
16	Supplying and fixing brass batten/ angle holder including connection etc. as required.	9.00	Nos.		
17	Supply installation testing and commissioning of 300 mm sweep metal body heavy duty, 900 RPM Exhaust fan with guard/ shutter and mounting arrangement etc as reqd.	2.00	Nos.		
18	Supply fixing connecting & commissioning of following rating 3 pin Plug top Anchor make as reqd complete.				
a)	15/16 Amp	2.00	Nos.		
19	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd.	1800.00	Sq.cm		
20	Locating fault in wiring rectifying removing & restoring supply the same & making good the damages etc as reqd.	8.00	Nos.		
21	Installation ,Testing, Commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required	5.00	Nos.		
22	Fixing of any type of lamps in the existing fittings as reqd.	13.00	Nos.		
23	Dismantling and refixing of shisham wood board of any sizes on surface or in recessed etc as reqd.	2.00	Nos.		
24	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.)	2.00	Nos.		
	Total Rs.				