

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Tender Notice No. 119/IWD/ED/644

SCHEDULE OF QUANTITY

Name of work: Electrical work for:

Part-A: Rewinding, overhauling and repairing of ceiling fan and exhaust fan installed at campus school, Kislaya school, opportunity school, etc.

Part-B: Replacement of defective and damaged switch sockets, LED tube, LED fittings MCB, etc at campus school, Booster pump, physical education centre, SBRA and NEW RA Tower and other associated works of south side.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Rewinding of following fans of following sizes i/c dismantling of rotor cutting the damaged winding and providing rewinding along with insulation paper, varnish, connecting copper leads of suitable quality including dismantling and refixing from normal/abnormal height and refixing as required. (Old burnt wire shall be retain by the contractor.)				
b)	New model 48"/wall fan	1.00	NOS		
b)	Old model 48"/new mode 56"	6.00	NOS		
2	Rewinding of exhaust fans of following sizes i/c dismantling cutting the damaged winding and providing rewinding along with insulation paper, varnish, connecting copper leads of suitable quality including dismantling and refixing from normal/abnormal height and refixing as required.(old burnt wire shall be retain by the contractor.)				
a)	exhaust fan 12"	1.00	Nos.		
b)	exhaust fan 18"	1.00	Nos.		
3	Overhauling of following fan of any size including bearings, checking, cleaning the all parts and supplying & replacement of rubber real, rubber rings, nut bolts, hanger clamps, bearing plates, cotter/ split pin, varnishing if reqd etc, reassembling testing and commissioning of fan as required complete.				
a)	ceiling fan / wall fan	186.00	Nos.		
b)	exhaust fan	21.00	Nos.		
3	Supplying and fixing 2.5 mfd capacitor suitable for ceiling fan.	58.00	Nos.		
4	Repairing of housing of bearing side /bush side /in fan body in ceiling fan /exhaust fan/ rally fan etc.	45.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
5	Balancing of ceiling fan blade of any size including making suitable shape of twisted blades at site.	24.00	Nos.		
6	Dismantling & refixing of any size following fan from normal height.				
a)	exhaust fan	21.00	Nos.		
7	Cartage of Ceiling fans and regulator / exhaust fan From store to site as reqd.	207.00	Nos.		
8	Supply of following size ball bearings.				
a)	Ball bearing 6201 (NBC - make)	9.00	Nos.		
b)	Ball bearing 6202 (NBC - make)	6.00	Nos.		
c)	Ball bearing 6203 (NBC - make)	16.00	Nos.		
	Part-B				
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..	13.00	Mtr.		
b)	3 x 4 Sq.mm..	10.00	Mtr.		
2	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.	13.00	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.)	82.00	Mtr.		
4	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a)	20 x 12 mm	22.00	Mtr.		
b)	32x 16 mm	8.00	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	3.00	Nos.		
b)	175 mm x 100 mm	4.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
c)	200 mm x 150 mm	1.00	Nos.		
6	S/F following modular base & cover plate on existing modular metal boxes etc. as reqd.				
a)	3 module	4.00	Nos.		
b)	4 module	3.00	Nos.		
c)	6 module	1.00	Nos.		
d)	8 module	1.00	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)	6 module	1.00	Nos.		
b)	8 module	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	Supplying, fixing, connecting, commissioning and testing of the following luminaries light fixtures complete with all accessories and with lamp as required complete.				
a)	LED mirror light fixture 5/9 Watt	2.00	Nos.		
10	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 100W GLS lamp, Philips make or equivalent.	1.00	Nos		
11	Supply and fixing testing and commissioning of 1X12 watt LED surface mounted light fixture with Electronic driver, lamp, reflector, diffuser, 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).	11.00	Nos.		
12	Repairing , cleaning, testing & commissioning box /industrial type /decorative type fitting I/c replacement of all parts if reqd.	3.00	Nos		
13	Providing and replacement of damaged internal wiring of fitting of any type with 1.5 sq.mm. PVC insulated copper single core wire i/c dismantling & refixing as reqd.	14.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
14	Supplying, fixing, connecting and commissioning electronic ballast suitable for following lamps in existing fitting as reqd.				
a)	1 x 36 W	1.00	Nos.		
15	Supply / fixing and connecting & commissioning following CFL / lamps in existing fitting as reqd.(Make- Phillips)				
a)	PL-s 11 watts	4.00	Nos.		
b)	LED bulb 7/10 W	6.00	Nos.		
c)	LED tube light 18 / 20 Watt.	97.00	Nos.		
16	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	9.00	Nos.		
b)	15/16 Amp. switch	9.00	Nos.		
c)	3 Pin 5/6 Amp. socket outlet	7.00	Nos.		
d)	6 Pin 15/16 Amp. socket outlet.	11.00	Nos.		
e)	Blanking plate	3.00	Nos.		
f)	Fan regulator socket type rotary step	3.00	Nos.		
17	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	10.00	Nos.		
c)	3 Pin 5/6 Amp. socket outlet	5.00	Nos.		
d)	6 Pin 15/16 Amp. socket outlet.	9.00	Nos.		
e)	Telephone socket / jack outlet	1.00	Nos.		
f)	Call bell push	1.00	Nos.		
g)	Fan regulator socket type rotary step	4.00	Nos.		
18	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	2.00	Nos.		
19	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	14.00	Nos.		
20	Supplying and fixing call bell/ buzzer suitable for D.C./A.C. single phase, 230 volts, complete as required.	1.00	Nos.		
21	Supplying and fixing brass batten/ angle holder including connection etc. as required.	18.00	Nos.		
22	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	6.00	Nos		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a)	1400 mm	6.00	Nos		
23	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd.	6000.00	Sq.cm		
24	Locating fault in wiring rectifying removing & restoring supply the same & making good the damages etc as reqd.	7.00	Nos.		
25	Dismantling and refixing of wooden board of any sizes on surface or in recessed etc as reqd.	2.00	Nos.		
	Total Rs.				