

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Tender Notice No. 96/IWD/ED/551

SCHEDULE OF QUANTITY

Name of Work: Electrical work for

Part-A

Repairing & Replacement of defective lights, MCB, lamps and ballast at old sports complex, Hall-12, main field, AC plant and Sub-Station -10 etc and other asossiated work.

Part-B

Replacement of defective and damaged switch, sockets , LED tubes ,LED fittings MCCB, MCB, TPN DB etc at IWD, AC plant, SBRA and New RA tower and other assosiated works of south side.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
	Part-A				
1	Dismantling cross arm / street light brakcet/street light fitting from pole complete as required.	8.00	Nos.		
2	Fixing cross arm / street light brakcet/street light fitting with MS clamps GI bolts with washer as required.	2.00	Nos.		
3	Supplying and fixing of 32 mm dia X 2.00 metres long G.I. pipe (medium class) bracket for mounting of fluourescent / HPMV / HPSV street light fitting on pole including bending the pipe to the required shape, 2 nos 40 mm X 3 mm flat iron clamps with nuts, bolts and washer, painting the flat iron with primer and finish paint etc. as required	6.00	Nos.		
4	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.				
a)	Double pole	1.00	Nos.		
b)	Four pole	1.00	Nos.		
5	SS&F connecting and commissioning of following rating MCCB Rotary Handle with all accessories etc. as reqd				
a)	Rotory handle 16 to 250Amp.	1.00	Nos.		
6	Supplying of 20W LED TUBE LIGHT (DOUBLE SIDE CONNECTION) lamp for fixing in existing street light fitting complete as required.	35.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
7	P&F, testing and commissioning following rating lamps in the existing street light fittings / post top lantern fitting i/c dismantling old bulb etc. as required.				
a)	400 W, 250 V, MHL	2.00	Nos.		
8	Providing & fixing following electromagnetic ballast in the existing installed fitting etc. as reqd.				
a)	400W, MH/ HPSV	1.00	Nos.		
9	Supplying, fixing, testing and commissioning igniter suitable for 70 to 400W HPSV/ M-halide fittings	4.00	Nos.		
10	S/F Tube holder rotor type i/c connection etc. as reqd.	11.00	Nos.		
11	Alteration of internal wiring in existing fitting of any type for retrofitting of tube LED i/c dismentelling & refixing as reqd.	31.00	Nos.		
12	Supplying,fixing,testing commissioning New generation energy saving and environmental friendly long life LED street light made up of pressure die cast aluminium housing with high power LED as lighting source and lens embedded PC cover having TOP Opening seperate driver compartment with IP65 protection and impact resistance of IK07of street light 25W LED Luminures. Cat no.LHETBXU7PA6S025 ENDURA PEARL make:havells or its equivalent, on the existing pole complete as required.	14.00	Nos.		
13	Supplying,fixing,testing commissioning of garden light 40W LED posttop lantern Luminures for 360 degree indirect light. Cat noLPTO- 40/CDL, make:Crompton greaves or its equivalent, on the existing pole complete as required.	2.00	Nos.		
14	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 surface / recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
a	Group B	2.00	Nos		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
15	Supplying and drawing of following sizes of FR PVC insulated copper conductor, 3 core round cable of following size in the existing surface/ recessed steel/ PVC conduit as required.				
a	1.5 Sq.mm	21.00	Mtrs.		
	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..	10.00	Mtr.		
b)	3 x 4 Sq.mm..	9.00	Mtr.		
c)	3 x 10 Sq.mm..	30.00	Mtr.		
2	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a)	20 x 12 mm	11.00	Mtr.		
3	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)	175 mm x 100 mm	3.00	Nos.		
4	S/F following modular base & cover plate on existing modular metal boxes etc. as reqd.				
a)	1 or 2 module	12.00	Nos.		
b)	4 module	5.00	Nos.		
c)	6 module	4.00	Nos.		
d)	12 module	1.00	Nos.		
5	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
a)	4-way Cat no. 607750 Legrand or equivalent	1.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
6	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
a)	125 A, 36kA, FPMCCB	1.00	Nos.		
7	S&F metal enclosure suitable for DPX MCCB 125 to 250ER as reqd.	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	24.00	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)	Double pole	1.00	Nos.		
b)	Triple pole & Neutral	1.00	Nos.		
10	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth metal enclosed plug top along with 20 amps ' C ' series SP, MCB, in the sheet steel enclosure, on surface or in recess, with chained metal cover for the soc	2.00	Nos.		
11	Supplying, fixing, connecting and commissioning electronic ballast suitable for following lamps in existing fitting as reqd.				
a)	1 x 36 W	1.00	Nos.		
12	Installation, testing and commissioning pre-wired fluorescent fitting/ compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sqmm FRLS PVC insulated, copper condutor,	23.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
13	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 Cropmton cat. no. Cat LCDSPL-S-12-CDL).	26.00	Nos.		
14	Supply / fixing and connecting & commissioning following CFL / lamps in existing fitting as reqd.(Make-Phillips)				
a)	PL-s 11 watts	10.00	Nos.		
b)	LED bulb 7/10 W	4.00	Nos.		
c)	LED tube light 18 / 20 Watt.	42.00	Nos.		
15	Dismantling, disconnecting old damaged unserviceable fl fitting/ exhaust fan/ ceiling fan/ bulkhead fitting with bracket etc. as reqd. and depositing in sectional store.	25.00	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	12.00	Nos.		
b)	15/16 Amp. switch	16.00	Nos.		
c)	3 Pin 5/6 Amp. socket outlet	6.00	Nos.		
d)	6 Pin 15/16 Amp. socket outlet.	16.00	Nos.		
e)	Blanking plate	7.00	Nos.		
f)	Fan regulator socket type rotary step	3.00	Nos.		
17	S & F following piano type switch /socket on existing switch box/cover l/c connection etc as reqd.				
a)	5/6 Amp switch	10.00	Nos.		
b)	15/16 Amp. switch	11.00	Nos.		
c)	3 Pin 5/6 Amp. socket outlet	1.00	Nos.		
d)	6 Pin 15/16 Amp. socket outlet.	10.00	Nos.		
e)	Fan regulator socket type rotary step	5.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
18	Dismantling and refixing of switch / socket /regulator l/c cleaning, connecting, commissioning etc as reqd.	24.00	Nos.		
19	Supply fixing connecting & commissioning of following rating 3 pin Plug top Anchor makeas reqd complete.				
a)	5/6 Amp	1.00	Nos.		
b)	15/16 Amp	1.00	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.	4.00	Nos.		
22	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd.	4298.00	Sq.cm		
23	Locating fault in wiring rectifying removing & restoring supply the same & making good the damages etc as reqd.	9.00	Nos.		
24	Repairing , cleaning, testing & commissioning box /industrial type /decorative type fitting l/c replacement of all parts if reqd.	7.00	Nos.		
25	Dismantling and refixing of shisham wood board of any sizes on surface or in recessed etc as reqd.	2.00	Nos.		
26	Supplying, installation DLP plastic trunking 105mm x 50mm and accessories plastic trunking without cover, for trunking, covers and partitions etc. as reqd.				
a)	Plastic trunking without cover	4.50	Mtr.		
b)	Flexible Cover 85mm width	4.50	Mtr.		
Total Rs. (Part-A & Part- B)					