

**SCHEDULE OF QUANTITY**

Nmae of work: Electrical Repairing of faulty street lights in Type-I, Type-2, Hall-12 & 13 and shifting street light feeder pillar in Faculty Building annexure other associated work as per enclosed complaints.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	S & F of following rating & poles 240 volts 'C' curve 10 kA MCB in the existing MCB DB complete with connection, testing & commissioning etc as reqd.				
a)	Single Pole (5A to 32A)	12.00	Nos.		
b	Double Pole (40A to 63A)	2.00	Nos.		
2	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
a	2 X 6 sq. mm (19mm)	4.00	Each		
b	2 X 25 sq. mm (22mm)	6.00	Each		
3	Dismantling of pole/ street light standard/ strut embedded in brick ballast foundation etc. as required.	2.00	Nos.		
4	Laying of one no. PVC insulated and PVC sheathed /XLPE power cable of 1.1kV grade direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.				
a	Upto 35 sqmm	80.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
5	Laying of one no. PVC insulated and PVC sheathed /XLPE power cable of 1.1kV grade in the existing RCC/Hume/Stoneware/Metal pipe as reqd.				
a	Upto 35 sqmm	15.00	Mtr.		
6	Laying of one no. PVC insulated and PVC sheathed /XLPE power cable of 1.1kV grade in the existing masonry open duct as reqd.				
a	Upto 35 sqmm	250.00	Mtr.		
7	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required	2.00	Nos.		
8	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required	10.00	Mtr.		
9	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	30.00	Mtr.		
10	Supplying and making straight through joint with cast resin compound including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1kV grade as reqd.				
a	2x16 sqmm, 2x10 sqmm, 2x6 sqmm	6.00	Set		
b	3-1/2x35 sqmm	1.00	Set		
11	Erection of metallic pole of following length in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required.				
a	Above 8.0 metre and upto 10.0 metre	2.00	Each		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
12	Supplying and fixing of 32 mm dia X 2.00 metres long G.I. pipe (medium class) bracket for mounting of fluorescent / 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.	2.00	Each		
13	Providing brick work (in width 225 mm or more) with F.P.S. bricks of class designation 7.5 in cement mortar 1:4 (1 cement : 4 coarse sand) at all levels.	1.00	Cum		
14	Providing 15mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels.	2.00	Sqm		
15	Supplying and laying of one No. PVC insulated & PVC sheathed / XLPE power cables (heavy duty) aluminium conductor, steel armoured cable size 2x6sqmm of 1.1kV grade as per IS:7098 (Part-1) as reqd complete in following manners.				
a	Direct in ground	20.00	Mtr		
b	In pipe	16.00	Mtr		
c	In Open duct	3.00	Mtr		
16	S&F, connecting and commissioning looping type cable end control box with MS sheet of 16 SWG of size 200 mm x 200 mm x 125 mm having 1 no. 6amp to 32 amp SPMCB 250 volt and 2 nos. brass neutral link 12.5 mm square rod 6 way approx. 60 mm long and fixed on 5 mm thick bakelite sheet. Box shall have almirah type hing and panel key type lock front door duly painted with earthing strud etc. complete as required.	3.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
17	Supplying and drawing of following sizes of FRLS 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	50.00	Mtr		
18	S/F testing commissioning of 48W LED fitting for street light Luminures. streetlight made up of pressure die cast housing with toughned glass and individual high power LEDs with secondary optics, IP66 Driver,make:havells or its equivalent, on the existing street light pole complete as required.	6.00	Nos.		
19	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep)and re-filling etc as required				
a)	40 mm dia	16.00	Mtr.		
20	Digging cable trench/lifting brick/s and cable for locating fault and refilling the trench, ramming & making good the same as reqd.	10.00	Mtr.		
21	Dismantling and refixing brass compression type gland up to 35 sq. mm. cable	23.00	Nos.		
22	Dismantling cross arm / street light brakcet/street light fitting from pole complete as required.	15.00	Nos.		
23	Locating fault in the cable lines with meggar etc and rectifying removing & restoring the same and making good the damages etc as required.				
a	upto 35 sqmm	7.00	Nos.		
24	Dismantling,repairing cleaning and commissioning of all type of street light fitting on pole/ walls etc. as reqd.	7.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
25	S/F testing commissioning of street light Luminures Endura Pearl Neo - IP65 following LED fitting 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 IP66 protection and impact resistance of IK07.,make:Phillips/Havells or its equivalent, on the existing street light pole complete as required.				
a	25W	7.00	Nos.		
26	Lifting removing cable from trench/clamps, making role & depositing the same in store I/c cartage.				
a	upto 35 sqmm	250.00	Mtr.		
27	Fixing cross arm / street light brakcet/street light fitting with MS clamps GI bolts with washer as required.	2.00	Nos.		
28	Dismantalling, Disconnecting,of existing and refixing , reinstallation of street light feeder pillar Instruction by Engineer In-Incharge by using crane and labouts etc.complete as required.	1.00	Nos.		
	Total Rs.				