

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 11/IWD/ED/46****SCHEDULE OF QUANTITY****Name of Work: Shifting / repairing of street light poles, which comes under development works of shivli gate IIT Kanpur.**

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Numbering of ceiling fan/ exhaust fan/ fluorescent fittings as required.	5.00	Each		
2	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	100.00	Mtr.		
3	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 10 sq. mm (19mm)	6.00	Each		
4	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 6.5 metre and upto 8.0 metre	1.00	Each		
5	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		
6	Dismantling of pole/ street light standard/ strut embedded in brick ballast foundation etc. as required.	3.00	Nos.		
7	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.	2.00	Cum		
8	Providing 15mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels.	4.00	Sqm		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
9	Supplying and laying of 2x10sqmm PVC insulated & PVC sheathed / XLPE power cables (heavy duty) aluminium conductor, steel armoured cable of 1.1kV grade as per IS:7098 (Part-1) as reqd complete in following manners.				
a	Direct in ground	90.00	Mtr		
b	In pipe	9.00	Mtr		
c	In open duct	10.00	Mtr		
10	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.		
11	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	25.00	Mtr		
12	S/F testing commissioning of street light Luminures. Following <b>LED postop lantern</b> New generation, post-top, energy saving, environmental friendly, long life aesthetically designed with symmetrical light distribution, spun aluminium landscape luminaire with high power LEDs as light source.,make:havells or its equivalent, on the existing street light pole complete as required.				
a	40W	1.00	Nos.		
13	S/F testing commissioning of 45W LED street light New generation energy saving and environmental friendly long life LED street light made up of pressure die cast aluminium housing with high power as lighting source and lens embedded PC cover with IP66 protection and impact resistance of IK07. make:havells or its equivalent, on the existing street light pole complete as required.	2.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
14	Supply & fixing of 65 mm dia.'B' class GI pole 4.5 mtr. Long for post top lantern i/c base plate 300 x 300 x 3mm GI reducer & nipple for mounting the fitting with painting etc. <del>grouting in cement concrete 1:2:6 (1 cement:2</del>	1.00	Nos.		
15	Painting of up to 9 mtr long pole steel tubular / GI street light poles with minimum two coats of good quality (approved make) aluminium paint after cleaning the surface and rubbing the old paint etc. as required complete.	4.00	Nos.		
16	Dismantling damaged switch/DB/KWH meter/ all type fitting / ceiling fan / Exhaust fan/ Wall Fan / pole fuse box/TPN switches metal helide box with MCB/Pole fuse box and depositing in the section store.	3.00	Nos.		
17	Dismantling and refixing brass compression type gland up to 35 sq. mm. cable as reqd complete.	4.00	Nos.		
18	Digging trench for taking out cable and refilling , watering ,ramming the sameafter taking out cable as reqd complete.	30.00	mtr		
19	Fixing cross arm / street light brakcet/street light fitting with MS clamps GI bolts with washer as required.	2.00	Nos.		
20	Supplying and erection of ST pole 9 mtr. long (410-SP-33) suitable bended at the top for double arm with base plate 6mm thick and 300 mm x 300mm x 6mm size & cap i/c CC foundation complete 1:3:6 ( 1 cement:3 coarse sand:6 stone aggr. 40mm size). duly painted with 2 coats of good quality aluminium paint.	2.00	Nos.		
21	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)	32 mm dia	9.00	Mtr.		
22	S&F M.S. clamps for fixing insulator 'D' iron clamp (with coach screws) street light bracket / cross arm, GI pipe etc. as required.	6.00	Nos.		
	<b>Total Rs.</b>				