

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 03/IWD/ED/21****SCHEDULE OF QUANTITY**

Name of work: Replacement of defective and damaged sport / flood light fitting, pole box, ground and other associated works.

<b>Name of the Contractor</b>				
<b>S. No</b>	<b>Description of Items</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate in Figures in Rupees</b>
1	Supplying,fixing,testing commissioning of following light fitting energy saving, environmental friendly,long life,exclusive innovative die cast aluminium IP 65 with high power LEDs as light source. lamp, having symmetric optics or its equivalent, on the existing pole complete as required.			
a)	250CW LED Flood light (Ca. No.-BVP410 LED 250 CW HE NB FG S4 XTFCL )	10.00	Nos.	
2	Supplying & Laying of one no. XLPE cable aluminium conductor steel armoured cable of size 2 x 16 Sqmm, grade 1.1kV in following manners.			
a)	In Ground I/c excavation, sand cushioning protective covering, refilling of earth as reqd.	200.00	Mtr.	
b)	In existing open duct	10.00	Mtr.	
c)	Laying charges on surface	20.00	Mtr.	
3	Supplying & Laying of one no. XLPE cable aluminium conductor steel armoured cable of size 4 x 16 Sqmm, grade 1.1kV in following manners.			
a)	In Ground I/c excavation, sand cushioning protective covering, refilling of earth as reqd.	30.00	Mtr.	
b)	In pipe	5.00	Mtr.	
c)	In existing open duct	2.00	Mtr.	
d)	Laying charges on surface	3.00	Mtr.	
4	Supplying and making indoor end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1kV grade as reqd.			
a)	2 X 16 sq. mm (22mm)	4.00	Set	
b)	4 X 16 sq. mm (28mm)	2.00	Set	

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees
5	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.	
6	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	20.00	Mtr.	
7	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required. .	230.00	Mtr.	
8	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)	50mm dia	10.00	Mtr.	
9	Fabricating, supplying & fixing of box of required size made out of 2mm thick CRCA sheet duly powder coated & openable from top - bottom or front as required & fixing the same complete as required.	20.00	Kg.	
10	Dismantling cross arm / street light brakcet/street light fitting from pole complete as required.	17.00	Nos.	
11	Fixing cross arm / street light brakcet/street light fitting with MS clamps GI bolts with washer as required.	4.00	Nos.	
12	Locating fault in the cable lines with meggar etc and rectifying removing & restoring the same and making good the damages etc as required.	1.00	Nos.	
13	Dismantling and refixing brass compression type gland up to 400 sq. mm. cable	10.00	Nos.	
14	Disconnecting and Dismentalling damaged switch / DB /KWH meter/ pole fuse box of any size from site and depositingin store I/c cartage etc. as reqd	3.00	Nos.	
15	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 6 mm thick bakelite sheet. Box shall have almirah type hinge and panel key type lock front door duly painted with earthing strud etc. complete as required.	4.00	Nos.	

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees
16	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	6.00	Nos.	
b)	Single pole & Neutral	8.00	Nos.	
17	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)	Triple pole & Neutral	1.00	Nos.	
18	Digging trench for taking out cable upto 400 Sq.mm. and refilling , watering ,ramming the same after taking out cable as reqd complete.	30.00	Mtr.	
19	Supply and drawing PVC insulated 3 core round cable of 2.5 Sq.mm size for connection of equipments / exhaust fan & other work as reqd.	50.00	Mtr.	
	Total Rs.			



Amount

