

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR
INSTITUTE WORKS DEPARTMENT**

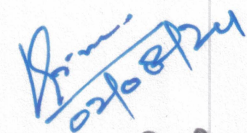
QUOTATION

**Sub: Providing and fixing of LED lights with GI Octagonal pole & associated works for High Mast flag installed at Main Stadium.
(SH: Electrical Works)**

S.N.	Description	Qty.	Unit	Estimated rate without	Estimated Amount without GST	Quoted rate without GST (Rs.)	Quoted Amount without GST (Rs.)
1	Supply, fixing, connecting, commissioning & testing of the following light fixtures with all accessories including driver and associated accessories etc. including nut, bolts and washer complete as reqd.						
a)	LED flood light 200 watt 240/440 volts, 50 Htz, protection IP 66, Lumens >100 Lm/watt, P.F. > .95, THD <10% with efficient thermal management. (Make Crompton Pluto Pro CFS 501-200-57-60D-SL-GL-NSG or equivalent approved make)	4.00	Nos.	16053.00	64212.00		
2	Supplying & drawing PVC insulated copper conductor (Flexible) 3 core round cable of following size for connection of equipment complete as reqd.						
a)	3 x 1.5 sqmm	30.00	Mtrs	85.00	2550.00		
3	Supply and erection of GI Octagonal pole of 5.0 Mtr. Long with base bottom dia 130 mm, top dia 70 mm including base plate 200 mm x 200 mm x 12 mm size & cap with flood light bracket, nut & bolts 16 x 450 mm i/c CC foundation complete 1:3:6 (1 cement : 3 Coarse sand : 6 stone aggr. 40 mm size) etc. as reqd.	2.00	Nos.	24417.00	48834.00		
4	Supplying, fixing, connecting and commissioning of control box of size 200 x 200 x 125 mm deep of 2 mm thick MS sheet on existing pole with 1 no. 6 Amp to 32 Amp. SP MCB, 10 kA, brass neutral link 6 way & phase link fixed on 6 mm thick bakelite sheet i/c painting earthing etc as reqd.	2.00	Nos.	1299.00	2598.00		
5	Supply, fixing, connecting and commissioning cable end control box (looping type) fabrication with MS sheet of 16 SWG of size 250 mm X 200 mm X 125 mm having 3 No. SP MCB & 1 No. DP MCB 6 Amp to 32 Amp, 230 volts and 2 Nos. Brass neutral link 12.5 mm square rod 6 way approx. 100 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 stud etc. complete as required.	1.00	Nos.	2332.00	2332.00		
6	S & F metal box of following sizes (nominal size) on surface or recess with suitable size of phenolic laminated sheet cover in the front i/c painting etc as reqd.						
a)	250 mm x 300 mm x 100 mm deep	1.00	Nos.	572.56	572.56		
7	Supply & fixing 5 A to 32 A rating 240/415 volts 'C' curve MCB suitable for inductive load of poles in the existing MCB DB complete with connection, testing & commissioning etc as reqd.						
a)	Single Pole	2.00	Nos.	224.46	448.92		
8	Supply, laying, testing and commissioning of one no. XLPE/PVC insulated & PVC sheathed aluminum conductor steel armoured cable (heavy duty) of 2 x 6 sqmm sizes 1.1kV grade in following manners as per specifications reqd.						



S.N.	Description	Qty.	Unit	Estimated rate without	Estimated Amount without GST	Quoted rate without GST (Rs.)	Quoted Amount without GST (Rs.)
a)	Direct in ground	20.00	Mtrs	331.00	6620.00		
b)	On Surface	5.00	Mtrs	142.00	710.00		
c)	In Pipe	5.00	Mtrs	138.00	690.00		
d)	Open Duct	5.00	Mtrs	129.00	645.00		
9	Supplying and making <i>end termination</i> with brass compression gland, aluminum lugs for following size of PVC insulated & PVC sheathed / XLPE aluminum cable of 1.1kV grade as reqd.						
a)	2 x 6 sqmm (19 mm)	6.00	each	210	1262.58		
10	Supply and laying HDPE pipe size dia. 25 mm , 2 mm thick in following manner including cartage loading & unloading etc as reqd.						
a)	Direct in ground	10.00	Mtrs	304.00	3040.00		
b)	On Surface	2.00	Mtrs	111.00	222.00		
c)	In Pipe	2.00	Mtrs	103.00	206.00		
d)	Open Duct	2.00	Mtrs	116.00	232.00		
11	Providing & fixing 6 SWG dia. GI wire on surface or in recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as reqd	40.00	Mtrs	36.83	1473.20		
12	Providing, laying & fixing of following dia GI pipe (medium class) in ground complete with G.I. Fittings including trenching (75 cm deep) and re-filling etc. as reqd.						
a)	40 mm dia	2.00	Mtrs	558.35	1116.70		
13	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	4.00	Kg	68.57	274.28		
14	Providing and fixing metal enclosure including cutting, shaping, rivetting/welding and fabrication of MS sheet (1.6 mm thick) with door hinged, locking and hanging arrangements of suitable size, duly power coated painted complete as per drawing.	4.00	Kg	189.00	756.00		
		Estimated Amount (A)			138795.24	Quoted Amount (B)	
		Percentage (%) = $\frac{B-A}{A} \times 100$					


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