

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 103/Elect./2019****SCHEDULE OF QUANTITY****Name of Work: Providing LED light in fixtures at two adjacent basket ball court situated in main field.****Name of the Contractor**

<b>S. No</b>	<b>Description of Items</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate in Figures in Rupees</b>	<b>Amount</b>
1	Supply and drawing PVC insulated 3 core round cable of following size for connection of equipments / exhaust fan & other work as reqd.				
a)	2.5 sq. mm	300.00	Mtr.		
2	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)	8 way (4+24), double door	1.00	Each.		
3	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	Single pole	24.00	Each.		
4	Supply and fixing connecting and commissioning of MNX 32 L&T make 3 pole, 230 V AC contactor as required complete.	2.00	Nos.		
5	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)	6.00	Each.		

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b)	3½ X 25 sq. mm (28mm)	2.00	Each.		
6	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)	50 mm dia	10.00	meter		
7	Supplying and fixing 40 amps to 63 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	Four pole	1.00	Each.		
8	Supply installation testing and commissioning of LED Flood light of 320W. Exposed Optic lenses. Optic material: plastic (PC), Operating temperature range: -40 to + 50°C, Electrical insulation class: Class I, IK 08, Degree of protection IP66, System surge protection: 10kV/kA, Housing Material / Finishing: The luminaires housing shall be made of non-corrosive high pressure ADC with corrosion resistant powder coating 1.5m Flying wire; U-shaped bracket; Anti-dust exposed Lens, Luminaire mounting: Certification: IEC60598				
a)	Street Light luminaire CAT no BVP383 LED360/CW 320W 220-240V SWB IN Philips Make or its equivalent	32.00	Each.		
9	Dismantling, disconnecting old damaged unserviceable flood light fittings from pole/ wall as required and depositing in sectional store.	32.00	Each.		
10	Supplying and Fixing 50 mm. x 50 mm x 6 mm angle iron in required shape and size i/c cutting, welding, painting etc. as reqd.	10.00	meter		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
11	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		
12	Providing 15 mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels.	15.00	sq.mm.		
13	Digging cable trench, lifting brick & cable for locating fault and relaying the cable i/c refilling the trench, extra sand if required shall be i/c in the item of as required.	10.00	meter		
14	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.	30.00	Kg.		
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		
16	Supplying, fixing connecting and commissioning ON & OFF push button unit L&T make cat no. SS 90004 or its equivalent approved make. As required complete	2.00	Nos		
	Total Rs.				