

Annexure - II

Name of Work: Providing Flood Lighting for Playground, South campus, IIT Tirupati.

S.No.	Description of Item	Qty	Unit	Rate (To be filled by the Contractor/Age ncy)	Amount
1	Supply, Erection, Testing and Commissioning of 9.5 Mtr. Height Single side focus LED Flood Lighting M.S. painted pole with 1100 mm long overhang arm, electrical junction box (including with 1 nos of 6A SP MCB's & 1 no of 4 way connector), base plate, not less than 400mm * 400mm * 16mm, 4 nos of J or L M20 bolts (with length of rod not less than 700mm) and nuts, washers etc. , on existing cement concrete pedestal etc as required to complete the job in all respects, to install the 4 nos of 4*60W LED Fittings.	2.00	Each		
2	Supplying and drawing 1.5 sq mm PVC insulated PVC round sheathed (unarmoured) 3 core copper conductor cable in existing PVC conduit / street light pole from looping box to street light fitting as required.	80.00	Metre		
3	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required				
3.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	440.00	Metre		
4	Supplying of following size of XLPE insulated, PVC sheathed aluminium conductor, armoured UG cable of 1.1 KV grade conforming to IS 7098 as required.				
4.1	4 x 25 sq.mm	90.00	Metre		
4.2	4 x 16 sq.mm	400.00	Metre		
5	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.				
5.1	Upto 35 sq. mm	490.00	Metre		
6	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.				
6.1	4 X 16 sq. mm (28mm)	2.00	Each		
6.2	4 x 25 sq.mm (28 mm)	2.00	Each		
7	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2.00	Sets		
8	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	8.00	Metre		
9	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	5.00	Metre		
10	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.	800.00	Metre		

S.No.	Description of Item	Qty	Unit	Rate (To be filled by the Contractor/Agency)	Amount
11	Supply, installation, testing and commissioning of size less than 600mm X 600mm X 300mm, out door type street light control panel made out of 14 SWG CRCA sheet steel, dust protected, vermin proof, having hinged doors with locking arrangement, canopy at top complete with following control accessories, powder coat painted and earthing, control wiring etc. as required. The panel shall be floor mounting type and installed at a height of not less than 450mm above FGL with 50mm x 50mm x 5 mm MS angle iron frame work with supports buried upto a depth of 300mm below ground with PCC concrete footings.	1.00	Each		
11.1	63 amps 3 pole MCB	1.00	Each		
11.2	32 Amps, 3 pole MCB	3.00	Each		
11.3	63 amps 3 pole contactor	1.00	Each		
11.4	Time switch for 24 hour operation	1.00	Each		
11.5	Rotary Selector Switch	1.00	Each		
11.6	Manual On Toggle Switch	1.00	Each		
11.7	63A, 6 Way Neutral Link Connector	1.00	Each		
Total					

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