

Schedule of work

Name of Work: Electrical repairing and renovation of playground flood light system at IACS, Jadavpur.

Sl. No.	Description.	Quantity	Unit.	Rate(Rs.)	Amount (Rs.)
1	Supplying of 4 core 10 sq.mm PVC sheathed/XLPE insulated armoured multistrand aluminium power cable of 1.1 KV grade as per IS : 7098 (part-1) 1988 etc. as required.	250	Metre.		
	Make: Polycab/Gloster/KEI/Havells				
2	Supplying of 3.5 core 25 sq.mm PVC sheathed/XLPE insulated armoured multistrand aluminium power cable of 1.1 KV grade as per IS : 7098 (part-1) 1988 etc. as required.	40	Metre.		
	Make: Polycab/Gloster/KEI/Havells				
3	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.				
a)	Upto 35 sq.mm.	135	Metre.		
4	Laying and fixing of one number PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
a)	Upto 35 sq.mm.(clamped with 1 mm thick saddle.)	155	Metre.		
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)	4 X 10 sq.mm.	16	Each		
b)	3.5 X 25 Sq.mm	2	Each		
6	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., in the existing trench, complete as required				
a)	63 mm dia (OD -63 mm & ID 51 mm nominal.)	135	Metre.		
7	Supplying and fixing of SS loop box of size - 10" X 8 " X5" including supplying & Fixing of 32 A terminal and internal wiring with 2.5 Sq.mm FRLS PVC insulated flexible copper wire, complete, as required.	6	Nos.		
8	Supplying and fixing of following ways surface/recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly power 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.				
a)	4 way (4+12), Double door	1	No.		
	Make: Legrand/Hagar/L&T/ABB				

Sl. No.	Description.	Quantity	Unit.	Rate(Rs.)	Amount (Rs.)
9	Supplying and fixing of following 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 connection,testing and commissioning etc.as required.				
a)	16A-Single pole	5	Nos		
b)	63A- Four Pole	1	Nos		
	Make: Legrand/Hagar/L&T/ABB				
10	Supply & fixing of energy efficient LED Flood Light with aluminium heat sink with frame and toughened glass, potted Electronic Driver, cradle mounting with IP66, IK 07 Ascetically designed LED Flood Light with 300 W LED. Nominal system lumen output should be of >30000 lm and minium system efficacy of >100lm/w. The luminare should have Secondary Lens with beam angle of 60 Deg with a color temperature of 5700K and CRI>70. The luminaire shall meet with THD<10% and The luminaire housing should made of die-cast aluminium and specially designed heat sink for better heat dissipation. The luminaire should have the features of Input voltage: 220V AC, 50Hz. HPF Surge Protection. conformed to IEC Safety Standard (IEC60598, IEC61347)	2	Each		
	Make: Phillips,Panasonic, Crompton, Bajaj				
11	Supplying & Fixing of 50 X 50 X 6 mm angle iron bar alongwith 150 mm SS "U-Clamp", nuts,bolts of suitable size including drilling holes on the bar etc. as required for flood lights on the existing poles.	6	Nos.		
12	Providing & fixing 4mm dia bare copper wire on surface or in recess for loop earthing alongwith existing surface/recess conduit/submain wiring, as required.	200	Meter		
				Total	
Rupees.....only					
NOTE:The quoted rate shall be inclusive of all taxes & duties, levies, cess etc i/c GST also. Nothing extra will be paid to the Contractor except the accepted rate.					
	GST No:				
	SAC code:				
	CGST@.....% considered in the above BOQ				
	SGST@.....%Considered in the above BOQ				