

Estimate cum schedule of work					
Name of the work: Repairing of outdoor lights in different areas of IACS, Jadavpur campus					
Sl.No	Description of Items.	Quantity	Unit	Rate	Amount
1	Supplying of following size PVC sheathed/XLPE insulated armoured aluminium power cable of 1.1 KV grade as per IS : 7098 (part-1) 1988 etc. as required.				
a)	3 core X 6 sq.mm.multistrand aluminium cable.	60	meter		
b)	3 core X 4 sq.mm.aluminium cable	430	meter		
	Make: Polycab/Gloster/KEI/Havells				
2	Wiring for circuit / submain wiring along with earth wire with the following size of FRLS PVC insulated Copper conductor, single core cable in surface /recess with medium class PVC conduit, as required				
a)	2 x 1.5 Sq.mm + 1 x 1.5 Sq.mm earth wire	125	meter		
	Make : Finolex, Polycab, Gloster, KEI.				
3	Laying of one number PVC insulated and PVC sheathed power cable of 1.1 KV grade of following sizes direct in ground including excavation and refilling the trench etc. as required,but excluding of sand cushioning & protective covering.				
a)	Upto 35 sq.mm.	10	meter		
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.)	480	meter		
5	Supplying and fixing of the following sizes of Medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same, in case of recessed conduit, as required.	12	meter		
a)	32 mm				
	Make: AKG/pesto plast/plazza				
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.				
a)	3 X 4 sq.mm.	50	Nos.		
b)	3 X 6 sq.mm.	6	Nos.		

Sl.No	Description of Items.	Quantity	Unit	Rate	Amount
7	Supplying and fixing of armed bracket made up with 32 mm dia X 2 meters long medium class GI pipe (medium class) bracket for mounting of fluorescent /LED street light fittings on existing pole, including bending the pipe to the required shape, 2 numbers 40mm X 3 mm flat iron clamps with nuts and bolts and washers, painting the flat iron with primer and finish paint etc., as required.	50	Nos.		
8	Supplying and fixing of 16 SWG stainless steel box having dimension 10 inch X 10 inch X 5 inch, which consists of 16A 4 pole channel fixing KUT-6 type connector (4 Nos.), 6A to 16A SP MCB (1 No.) complete, as required.	30	Each		
9	Supplying & fixing of surface / recess mounting outdoor 6 way double door (IP-54) SPNDB consists of single phase modular 25A, AC-3 category power contactor with coil voltage: 220V (1 No.), analog chronological "daily time switch" (1 No) along with 6 A to 32 A (3 Nos.) MCBs, connectors (4 Nos) & control circuit wiring with 4 Sq.mm FRLS PVC flexible copper wire, complete as required.	8	set		
	Make: L&T/Hagar/ABB/Legrand.				
10	Supply & fixing of outdoor type energy efficient die cast aluminium housing, toughened glass cover LED street Light with heat sink, Electronic Driver, IP66/65, IK 08/07. Minium system efficacy of >100lm/w. The luminaire should have Secondary Lens with a color temperature of 5700K and CRI>70. The luminaire shall meet with THD<10% and the luminaire should have the features of Input voltage: 220V AC, 50Hz. HPF Surge Protection. conformed to IEC Safety Standard (IEC60598, IEC61347)				
a)	70W	5	Nos.		
b)	25W	40	Nos.		
c)	12W	12	Nos.		
	Make: Crompton/Phillips/bajaj/Havells/Panasonic/wipro				
11	Providing and laying 20mm dia 6 feet long GI spike type earth electrode for body earthing including supplying of connection from earth electrode with 6 SWG dia GI wire including connection with GI thimble, excavation and re-filling as required.	4	Set		
			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@.....6....% considered in the above BOQ				
	SGST@.....6....%Considered in the above BOQ				