

Schedule of work

Name of the work: Dedicated earthing and allied electrical work for UPS installation in Room no.: 40, in the Main Building of IACS, Jadavpur

SL.No.	Item Description	Quantity.	Unit.	Rate (Rs.)	Amount (Rs.)
1	Supplying of 4 core 10 sq.mm PVC sheathed/XLPE insulated armoured aluminium power cable of 1.1 KV grade as per IS : 7098 (part-1) 1988 etc. as required.	18	Metre.		
	Make : Polycab,Gloster, KEI & Havells.				
2	Laying and fixing of one no 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).	18	Metre.		
3	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 (38 mm)	2	Nos.		
4	Wiring for circuit/submain wiring alongwith earth wire with following sizes of FRLS PVC insulated copper conductor,single core cable in surface/recessed medium class PVC conduit or armoured PVC flexible pipe with end PVC glands as required.				
	Make : Polycab,Gloster, KEI & Havells.				
a)	4X 10 sq.mm. + 2 X 6 sq.mm. earth wire.	5	Meter		
b)	2 X 16 sq.mm. + 1 X 6 sq.mm. earth wire.	5	Meter		
c)	2 X 4 sq.mm. + 1 X 4 sq.mm. earth wire.	25	Meter		
5	Supplying and fixing of following modular switch and socket on the existing modular plate & switch box including connections but excluding modular plate etc.as required.				
a)	15/16 A switch	10	Nos.		
b)	6 pin 15/16 A socket outlet.	10	Nos.		
6)	Supplying and fixing following size / modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required,				
a)	6 Module (200 mm X 75 mm)	5	Nos		
7	Supplying and fixing following way,single pole and neutral,sheet steel,MCB distribution board,240 v,on surface/recess,complete with tinned copper busbar,neutral bus bar ,earth bar,din bar inter connections,powder painted including earthing et as required.(but without MCB/RCCB/Isolator)				
a)	6 way ,Double door	1	Each		
b)	8 way,Double door	1	Each		
8	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)	Triple pole and neutral - 32 A	1	Each		
b)	Double pole - 63 A	1	Each		
c)	Single pole -16 A SP MCB	6	Each		
9	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc,as required.	6	Each		

SL.No.	Item Description	Quantity.	Unit.	Rate (Rs.)	Amount (Rs.)
10	Earthing with copper earth plate 600 mm X 600 mm X 3 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.	1	Sets.		
11	Providing and fixing 25mm x 5mm copper strip (wrapped with PVC sleeve) in 40mm dia G.I. pipe from earth electrode including connections with SS nut, bolt, spring, washer excavation and re filling etc as required.	20	Metre		
12	Providing and fixing earth bus of 50 mm X 5 mm copper strip on insulator surface for connections etc. as required.	0.5	Metre		
13	Wiring from dedicated earth bus to instrument earth point for earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit & end termination as required.				
a)	1X16 sq.mm.	5	Metre		
	Make : Polycab, Gloster, KEI & Havells.				
14	Providing & fixing 4mm dia bare copper wire on surface or in recess for loop earthing along with existing surface/recess conduit/submain wiring, as required.	36	Metre		
				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				