

Schedule of work

Name of work : Electrical renovation of Room No - 49 in the Main building of IACS,Jadavpur

Item No.	Description.	Quantity.	Unit.	Rate.(Rs.)	Amount(Rs.).
1	Wiring for light point/fan point/exhaust fan point/call bell point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit,with modular switch,modular plate, suitable GI box and earthing the point with 1.5 sq.mm.FRLS PVC insulated copper conductor single core cable etc.as required.				
	Group C (as per CPWD categorization)	16	No.		
2	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor,single core cable in surface/recessed medium class PVC conduit as required.				
a)	2X1.5 sq.mm.+ 1X1.5 sq.mm. earth wire.	40	Mtrs.		
b)	2X4 sq.mm.+ 1X4 sq.mm. earth wire.	270	Mtrs.		
c)	2X6 sq.mm.+ 1X6 sq.mm. earth wire.	30	Mtrs.		
3	Supplying and laying of following size/modules GI box along with modular base & cover plate for modular switches in recess/surface etc. as required.				
a)	2 Modules (75mmX75mm)	15	Nos.		
b)	6 Modules (200mmX 75mm)	15	Nos.		
4	Supplying and fixing of following modular switch/socket on existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a)	15/16 Amp switch.	30	Nos.		
b)	6 pin 15/16 Amp socket outlet.	30	Nos.		
c)	Telephone socket outlet.	1	No.		
5	Supplying and fixing of modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	4	Each		
6	Supplying and drawing following pair 0.5 mm dia FR PVC insulated annealed copper conductor un-armoured telephone cable in the existing surface/recess steel/PVC conduit as required.				
a)	2 pair .	36	Mtrs.		
7	Supplying and fixing of following sizes 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.				
a)	20 mm.	36	Mtrs.		

Item No.	Description.	Quantity.	Unit.	Rate.(Rs.)	Amount(Rs.).
8	Supplying and fixing of modular type 25A AC starter switch along with GI box to be recessed/surface in wall including connections but excluding providing modular plate etc. as required.	7	Nos.		
9	supplying and fixing of 25A shuttered socket on the existing modular plate & switch box including connections but excluding providing modular plate etc. as required.	7	Nos.		
10	Supplying & fixing of 25A 3 pin plug top on the existing modular plate & switch box including connections but excluding modular plate etc. as required.	7	Nos.		
11	Supply,installation,testing & commissioning of Microprocessor based sequential AC timer , capable to switch between three nos. of 2 ton AC sequentially,with auto/manual/bypass mode, as per requirment.	2	Nos.		
12	Supplying & fixing of following ways surface /recess mounting vertical type,415V,TPN,sheet steel, MCB distribution board of dust protected,duly power painted, inclusive of 200A tinned copper bus bar, common neutral link,earth bar,din bar, for mounting MCBs complete as required.				
a)	8 Way (4+24)Double door.	1	No.		
13	Supplying and fixing following way,single pole & neutral,shet steel,MCB distributution board,240V,on surface /recess,complete with tinned copper bus bar ,neutral bus bar,earth bar,din bar,interconnections,powder painted includind earthing etc.as required.				
a)	6 Way Double door	2	Each		
14	Supplying and fixing of single pole blanking plate in the existing DB complete etc.as required.	15	Nos.		
15	Supplying & fixing of following rating 240V 10KA 'C' curve MCB suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	6A single pole	3	Nos.		
b)	16A single pole	14	Nos.		
c)	20A single pole	4	Nos.		
d)	25A single pole	3	Nos.		
e)	32A single pole	4	Nos.		

Item No.	Description.	Quantity.	Unit.	Rate.(Rs.)	Amount(Rs.).
16	Supplying and fixing of four pole sheet steel 415 V MCB enclosure on surface / recess, with both side cable end box.(But without MCB/RCCB /Isolator)	2	Nos.		
17	Supplying & fixing of following rating 415V 10KA 'C' curve MCB suitable for inductive load of following poles in the existing MCB DB complete with connections testing and commissioning etc. as required.				
a)	63A Four Pole	3	Nos.		
b)	40A Four pole	2	Nos.		
18	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.	32	Metre.		
19	Supplying of 4 core 16 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.	60	Metre.		
20	Laying & fixing of one no PVC insulated and PVC sheathed /XLPE insulated aluminium power cable of 1.1 KV grade of size on wall surface as required (upto 35 sq.mm clamped with 1 mm thick saddle)				
a)	4 core X 10 sq.mm	32	Metre.		
b)	4 core X 16 sq.mm	60	Metre.		
21	Supplying & making end termination with brass compression gland and Aluminium lugs for following size of PVC insulated & PVC sheathed /XLPE insulated aluminium conductor power cable of 1.1 KV grade as required.				
a)	4 X 10 sq. mm.	2	Nos.		
b)	4 X 16 sq. mm.	4	Nos.		
22	Providing & Fixing of 4 mm dia copper wire on surface or in recess for loop earthing along with existing surface / recessed conduit / submain wiring / cable as required.	184	Metre.		

Item No.	Description.	Quantity.	Unit.	Rate.(Rs.)	Amount(Rs.).
23	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.	2	Set		
24	Providing and fixing 25mm x 5mm copper strip (wrapped with PVC sleeve) in 40mm dia G.I. pipe from earth electrode including connections with brass nut, bolt, spring, washer excavation and re filling etc as required.	30	Metre		
25	Providing and fixing earth bus of 50 mm X 5 mm copper strip on insulator surface for connections etc. as required.	1.5	Metre		
26	Supplying & laying of 1 X 16 sq.mm ISI marked, FR PVC insulated, single core flexible copper conductor cable, as per IS:694 etc. Complete as required.	30	Metre		
27	Supplying and making end termination with copper lugs for following size of FR PVC insulated flexible copper conductor, single core power cable of 1.1 KV grade as required.				
a)	1 X 16 Sq.mm	12	Each		
28	Supplying and laying of 32 mm diameter steel armoured flexible PVC conduit, as required	30	Metre		
29	Supplying of 36 W, T5 type Integrated LED batten tube light on wall/ceiling surface, complete with all accessories including reflector/diffuser etc. as required.	15	Nos.		
30	Installation, testing commissioning of pre wired, fluorescent fitting/compact fluorescent fitting/LED of all types, complete with all accessories and tube/lamp etc. directly on ceiling/wall, including connections with 1.5 Sq.mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	15	Each		
				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