

**SCHEDULE OF WORK**

**Name of Work: Electrical Renovation Work for Room No. 125 situated in the Main Bldg. of IACS, Jadavpur.**

Item No.	Description of Works	Qty.	Unit	Rate (Rs.)	Amt. (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 Categorisation)	4	Nos.		
2	Wiring for circuit/submain/power plug wiring along with 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	30	Mtrs.		
(b)	2x4 sq.mm. + 1x4 sq.mm. earth wire	100	Mtrs.		
3	Supplying and fixing of following size/modules GI box along with modular base & cover plate for modular switches in recess etc. as required.				
(a)	2 Module	5	No.		
(b)	8 Module	6	Nos.		
4	Supplying & Fixing of following modular switch/socket on the existing modular plate and switch box including connections but excluding plate etc. as required.				
(a)	5/6 amp switch	15	Nos.		
(b)	5 pin 6A socket outlet	15	Nos.		
©	6 pin 16A socket outlet	2	Nos.		
(d)	3 pin 16A Plug Top	2	Nos.		

Item No.	Description of Works	Qty.	Unit	Rate (Rs.)	Amt. (Rs.)
5	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	10	Nos.		
6	Supplying & Fixing of 2x28 W Decorative Fluorescent tube light fitting (Cat. No. TBS-669 M 2x TL5 -28W EB D6 of M/s Philips or equivalent model) with lamps on wall/false ceiling including connection with 1.5 sq. mm FRLS PVC insulated copper conductor, single core cable and earthing etc. as required.	4	Nos.		
7	Supplying & Fixing of modular type 20 Amp A.C. starter switch with GI box complete recessed in wall.	2	No.		
8	Supply & Fixing RJ-11 Modular type of Telephone outlet in G.I. box with cover recessed in wall/furniture.	2	No.		
9	Supplying of following size XLPE insulated PVC sheathed armoured aluminium conductor cable of CCI/Havells/Polycab make at site .				
	4-core 16 sq.mm.	20	Mtrs.		

Item No.	Description of Works	Qty.	Unit	Rate (Rs.)	Amt. (Rs.)
10	Laying of following size XLPE insulated PVC sheathed armoured aluminium conductor cable on surface/recess with aluminium saddles along with all necessary hardwares etc. as required as per direction of the Engineer-in-charge.				
	4-core 16 sq.mm.	20	Mtrs.		
11	Providing End Termination of the following XLPE insulated PVC sheathed armoured al. conductor cable with heavy duty brass compression gland (Dowells or similar superior make approved by IACS) including crimping type copper sockets. PVC insulated tape etc. as required.				
	4-core 16 sq.mm.	2	Sets		
12	Providing & Fixing 4mm dia copper wire on surface/recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.				
		40	Mtrs.		
13	Supplying and fixing following way prewired TP&N MCB Distribution Board of sheet steel for 415V on surface/recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FRLS PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required (but without MCB/RCCB/Isolator).				
	4 way (4+12), Double Door	1	No.		

Item No.	Description of Works	Qty.	Unit	Rate (Rs.)	Amt. (Rs.)
14	Supplying and fixing 6-32 amps rating, 240/415 volts, "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) Single Pole	12	No.		
15	Supplying and fixing 40 amps rating, four pole, 415 volts Isolator in the existing MCB DB complete with connections,testing and commissioning etc. as required.				
	a) Four Pole	2	No.		
16	Supplying and drawing following pair 0.5mm dia FRLS PVC insulated anealed copper conductor, unarmored telephone cable in the existing surface/recessed steel/PVC conduit as required.				
	2 Pair	50	Metre		
17	Suplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recessed conduit as required.				
	20mm	50	Metre		
18	Supplying , fixing , connection, testing & commissioning of 400 mm dia wall mounting type bracket fan (CROMPTON/HAVELL'S make ) complete with all acessories ,hardwares etc. as required.	2	No.		
				Total (Rs.)	
	Add Contingencies @ 5%				
				Grand Total (Rs.)	
				Say (Rs.)	
	<b>(Rupees Only)</b>				