

**Schedule of Work**

**Name of Work: Electrical Renovation Work for Room No. 47 situated in the Main Building of IACS**

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)	Remarks
1	Wiring for light point / fan point / exhaust fan point / call bell point with 1.5sq.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)	16	Point			
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)	2X1.5sq.mm+ 1X1.5sq.mm earth wire	75	Metre			
b)	2X4sq.mm +1X4sq.mm earth wire	220	Metre			
3	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			
4	Suplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recessed conduit as required.					
	20mm	50	Metre			
5	Supplying and fixing of following size/ modules, GI/PVC box along with modular base & cover plate for modular switches in recess etc. as required.					
a)	8 Module	3	Nos			
b)	2 Module	2	Nos			
c)	3 Module	1	Nos			
6	Supplying and fixing of following modular switch/socket on the existing modular plate & switch box including connections but excluding plate etc. as required.					
a)	5/6 amp switch	3	Nos.			
b)	3 pin 5/6 amp socket	9	Nos.			
c)	6/16A, 6 pin Socket outlet	2	Nos.			

Item No.	Description	Qty	Unit			
7	Supplying and fixing suitable size GI/PVC box with modular plate and cover in front on surface or in reces, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, conection etc. as required.	28	Nos.			
8	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. including supplying and fixing ball and socket arrangement, 2 no. Down rods of 20mm dia X 1.6mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connection with 1.5sq.mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	8	Nos.			
9	Providing and fixing extra conduit down rod of 20mm dia, 2X 10cm length wiring with 2 X 1.5sq.mm FRLS PVC insulated, copper conductor, single core cable including painting etc.as required. (Note: More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored).	8	Nos.			
10	Supply of 1400mm sweep ceiling fan complete with all accessories (white colour) of make: Crompton/ Havells / Usha	6	Nos.			
11	Supplying & fixing of Sepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required. Regulator with Box	6	Nos.			
12	Supplying and fixing of 63 amps rating, four pole,415 volts,isolator in the existing MCB DB complete with connections,testing and commissioning etc. as required.	2	No.			
13	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.					
	Single Pole	24	No.			

Item No.	Description	Qty	Unit			
14	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) - 8way (4+24), Double Door	1	No.			
15	Supplying of following size XLPE insulated PVC sheathed armoured aluminium conductor cable of CCI/Gloster/Nicco/Havells/Polycab/Universal make at site at IACS, Jadavpur.					
	4-core 25sq.mm	25	Mtrs			
	4-core 16 sq.mm.	20	Mtrs			
16	Laying of following size XLPE insulated PVC sheathed armoured aluminium conductor cable on surface/recess with alumium saddles along with all necessary hardwares etc. as required as per direction of the Engineer-in-charge.					
(a)	4-core 25sq.mm	25	Mtrs			
(b)	4-core 16 sq.mm.	20	Mtrs			
17	Providing End termination of the following XLPE insulated PVC sheated 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.					
(a)	4-core 25sq.mm	2	Sets			
(b)	4-core 16 sq.mm.	2	Sets			
18	Providing & Fixing 4mm dia copper wire on surface/recess for Loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.	45	Mtrs			
19	Supplying & Fixing of modular type 20Amp A.C. starter switch with GI Box complete recessed in wall.	2	Nos.			
20	Supply & Fixing of Airconditioner Controller on surface for obtaining sequential operation between 2nos 1.5 TR / 2.0 TR. AC complete as required.	1	No.			
21	Supplying & Fixing 4P Sheet Steel enclosure on surface/recess along with 25/32amp 415V 'C' curve 4P MCB complete with connection, testing & Commissioning etc. as required	1	Nos.			

Item No.	Description	Qty	Unit			
22	Supplying & Fixing of 1x18W surface mounting type flourecent tube light fitting equivalent to Philips cat Miroлта slim 18W HF TMS 520/118 luminiary with lamp.	1	No.			
23	Supply & Fixing RJ11 Modular Type of Telephone Outlet in G.I. Box with cover, recessed in wall / Furniture.	1	Nos.			
					Total	
					<b>Add contingencies @5%</b>	
					<b>Grand Total: Rs.</b>	

Say, Rs.