

## SCHEDULE OF WORKS

**Name of Work: Electrical Renovation Work for Lab No. 41 and 101 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)	3	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)	2X4sq.mm +1X4sq.mm earth wire	55	Metre			
b)	4X6sq.mm +2X6sq.mm earth wire	12	Metre			
3	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)	2 Module	2	Nos			
4	Supplying and fixing of following modular switch/socket on the existing modular plate & switch box including connections but excluding plate etc. as required.					
a)	6/16A, 6 pin Socket outlet	1	Nos.			
5	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.	10	Nos.			
6	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 connection with 1.5sq.mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	3	Nos.			
7	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)	16A, Single Pole	4	No.			
b)	32A, TPN	1	No.			
c)	20A, TPN	2	No.			

Item No.	Description	Qty	Unit			
8	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 10 sq.mm.	10	Mtrs			
9	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. (b) 4-core 10 sq.mm.	10	Mtrs			
10	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. (b) 4-core 10 sq.mm.	2	Sets			
11	Providing & Fixing 4mm dia copper wire on surface/recess for Loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.	20	Mtrs			
12	Supplying & Fixing of modular type 20Amp A.C. starter switch with GI Box complete recessed in wall.	1	Nos.			
13	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.			
14	Dismantling, Shifting & re-installation of existing light fixture, MCB Box, ceiling fan etc. as required as per direction of Engineer-in-Charge.	1	Job			
				Total		