

Schedule of Work						
Name of Work: Electrical Renovation Work for LAB of Dr.Urmimala Moitra (Old Roy Chowdhury Hall) 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)	14	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)	2X1.5 sq.mm+ 1X1.5 sq.mm earth wire	10	Metre			
b)	2x6 sq.mm + 1x6 sq.mm earth wire	32	Metre			
c)	2X4sq.mm +1X4sq.mm earth wire	210	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	10	Nos			
b)	8 Module	24	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)	5 pin 5/6 amp socket	14	Nos.			
b)	6 pin 15/16A Socket	50	Nos.			
c)	15/16 amp switch	46	Nos.			
5	Supply 36W,Double Tube light set with LED light (as per philips Cat. No. TMC-501P with 2nos. 18W master LED length 1200mm,2100lumen or equivalent model) complete with all accessories including connection with 1.5 sq.mm FRLS PVC insulated copper conductor ,single core cable and earthing etc. as required (Note:3 nos tube set to be fitted with false ceiling i.e false ceiling mounting type)	12	Nos.			
6	Installation, testing and commissioning of pre-wired, LED fitting / compact Led fitting of all types, complete with all accessories and tube etc. directly on ceiling, including connection with 1.5sq.mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	12				
7	Supplying & Fixing of modular type 25Amp A.C. starter switch with GI/PVC Box complete surface/recessed in wall.	4	Nos.			

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)	Remarks
8	Supply & Fixing RJ11 Modular Type of Telephone Outlet in G.I. Box with cover, recessed in wall / Furniture.	1	No.			
9	Supply & drawing one pair 0.5 mm dia FRLS PVC insulated annealed copper conductor,unarmoured telephone cable in the existing surface/recessed steel/PVC conduit as required.	20	Metre			
10	Supply & fixing of 20 mm dia of medium class PVC conduit along with accessories in surface/recessed including cutting the wall and making good the same in case of recessed conduit as required.	20	Metre			
	XLPE armoured Al. cable: -					
11	Supplying of XLPE insulated and PVC sheathed armoured heavy duty aluminium conductor cable of CC/Universal/POLYCAB make 1.1KV grade as per relevant IS specifications for the following sizes:					
a)	3.5cx35 sq.mm	10	mt.			
b)	4cx16 sq.mm	15	mt.			
12	Laying & Fixing of 1no. PVC insulated and PVC sheathed/XLPE power cable of 1.1KV Grade of following size on wall surface as required.					
a)	3.5cx35 sq.mm(clamped with 25x3mm MS flat)	10	mt.			
b)	4cx16 sq.mm (clamped with 1mm thick saddle)	15	mt.			
13	Cable Termination: -					
	Supplying and making end termination with brass compressor gland and copper lugs for following size of XLPE insulated and (PVC sheathed aluminium conductor cable of 1.1KV grade as required).					
a)	3.5cx35 sq.mm	10	nos.			
b)	4cx16 sq.mm	15	nos.			
14	Providing & Fixing 4mm dia copper wire on surface/recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.	50	mt.			
15	Supplying and fixing following rating 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)	10 A MCB, SP	2	No..			
b)	20 A MCB, SP	25	Nos.			
c)	16 A MCB, SP	6	Nos.			
d)	32 A MCB TP	1	Nos.			

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)	Remarks
16	Distribution Board - (PDB & UPS DB): Supplying and fixing following way prewired vertical type TP&N MCB distribution board of steel sheet for 415Volts on surface/recess complete with loose wire box of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, terminal connectors for all incoming and outgoing circuits, duly prewired with adequate size of FRLS PVC insulated copper conductor upto the terminal connector/neutral link, earthing etc as required (But without MCB/RCCB/Isolator).					
a)	100A,12way(4+36) TPN DB	1	No.			
17	supply & installation of 225mm. exhaust fan in the existing opening,including making good the damage,connection,testing,commissioning etc. as required.	2	No.			
18	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle(mentioned above)panel board including drilling holes in cubicle panel,making connections,etc.as required					
a)	100 A,25 KA 4P MCCB	1	No.			
19	supply and fixing of TP sheet steel enclosure on surface/recess along with 32A 415 V "C" curve TP MCB complete with connections,testing and commissioning etc. as required.	1	No.			
20	supply and fixing of DP sheet steel enclosure on surface/recess along with 20A 240 V "C" curve DP MCB complete with connections,testing and commissioning etc. as required.	1	No.			
21	supply and fixing 20A, 240V,SPN Industrial type socket outlet,with 2 pole and earth,metal enclosed plug top alongwith 20A,"C" curve, SP,MCB in sheet steel enclosure on surface or in recess ,with chain metal cover for the socket outlet and complete with connections,testing and commissioning etc.as required.	2	No.			
22	Extra for fixing the louvers/shutters complete with frame for a exhaust fan of all sizes.	2	No.			

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)	Remarks
23	Providing and fixing extra MS down rod of 20mm dia X 1.6 mm thick steel conduit with ball socket & fasteners complete including painting etc. as required	25	Mt.			
				TOTAL		
Total :-Rs.						
i)	GST No.-					
ii)	SAC No.-					
iii)	Please enclosed GST Registration certificate copy					
	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 Contrator except the accepted rate. i,ii & iii is mandetory.					

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