

Schedule of Work						
Name of Work: Electrical Renovation Work in Room no-063 & 034 at Ground floor in the Main Building of IACS						
Item No.	Description	Qty	Unit	Rate	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)	15	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	6	Metre			
b)	2X4sq.mm +1X4sq.mm earth wire	290	Metre			
c)	2X6sq.mm +1X6sq.mm earth wire (UPS)	36	Metre			
d)	2X10sq.mm +1X6sq.mm earth wire (UPS)	15	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	12	Nos			
b)	12 Module	22	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 pin 15/16A Socket	158	Nos.			
b)	15/16 amp switch	156	Nos.			
c)	25 A Socket	3	Nos,			
d)	Telephone socket outlet	1	Nos.			
e)	6A switch	22	Nos.			
f)	6A socket	22	Nos.			
5	Supply 36W, 2'x2' recess mounting type LED light fitting (as per Mescab RoSUN Cat.No.MPLS36W with LED tube 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	8	Nos.			
6	Supply 2x25W,Wall mounting type LED tube light fitting (Make: Philips Twin Glow with LED Tubes or equivalent) complete with all accessories including connection with 1.5 sq.mm FRLS PVC insulated copper conductor ,single core cable and earthing etc. as required	4	Nos.			
7	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	Nos.			

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)	Remarks
8	Supply,Installation,testing and commissioning of 1200 sweep BLDC ,regulator type ceiling fan with regulator including regulator including wiring the down rods of standard length with 1.5sq.mm FRLS PVC insulated, copper conductor, single core cable and earthing etc.	2	Nos.			
9	Supplying & Fixing of modular type 25Amp A.C. starter switch with GI Box complete recessed in wall.	5	Nos.			
10	Supply & drawing 2 pair 0.5 mm dia FRLS PVC insulated annealed copper conductor,armoured telephone cable in the existing surface/recessed steel/PVC conduit as required.(Make;- Finolex,Netco or any other reputed manufacturer.	20	Metre			
11	Supply & fixing of 20 mm dia of medium class GI conduit along with accessories in surface/recessed including cutting the wall or road and making good the same in case of recessed conduit as required.	20	Metre			
	XLPE armoured Al. cable: -					
12	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)	4cx35 sq.mm	20	Metre			
13	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)	4cx35 sq.mm (clamped with 1mm thick saddle)	20	mt.			
	Cable Termination: -					
14	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)	4cx35 sq.mm	2	Nos			
15	Providing & Fixing 4mm dia copper wire on surface/recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.	40	Metre			
16	supply & fixing of make modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	10	No.			
17	Supplying and fixing following rating 240 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)	25 A MCB, SP	4	No..			
b)	16 A MCB, SP	22	Nos.			
c)	32A MCB,SP	1	Nos.			
18	Supply and fixing DP sheet steel enclosure on surface/recess along with 32A,240V 'C'curveDP MCB complete with connections,testing & commissioning etc as required,	2	Nos.			

Item No.	Description		Unit	Rate (Rs.)	Amount (Rs)	Remarks
19	Supplying and fixing of variable timer(Reputed make or equivalent) to run both the AC periodically inside the room with complete connections,testing and commissioning etc. as required.	1	Nos.			
20	Distribution Board - (PDB): 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)	8 way(4+24) Double Door	1	No.			
21	Supplying and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in the existing DB complete with connections,testing and commissioning etc. as required.(Make:ABB,L&T or equivalent).					
a)	100A,30KA,FPMCCB	1	No.			
	DEDICATED EARTHING					
22	Earthing with copper earth plate 600 mm x 600mm x3mm 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.	1	set			
23	Providing & fixing of 25mm x 5mm copper strip (wrapped with PVC sleeve) in 40mm G.I pipe from earth electrode including connections with brass nut,bolt,spring washer excavation and refilling etc as required.	25	Metre			
24	Providing & fixing earth bus of 50 mm x 5mm copper strip on insulator surface for connections etc. as required.	1	Metre			
25	1x16 sq.mm ISI marked,FRLS PVC insulated,single core copper conductor.	15	Metre			
26	Supplying and laying of 32 mm diameter steel armoured flexible pvc conduit as required	15	Metre			
	Total:			TOTAL		
i)	CGST%					
ii)	GST No.					
iii)	SAC No.					
iv)	Enclosed GST registration certificate copy					
	Note:-The quoted rate shall be inclusive of all taxes& duties,levies,cess etc and GST also.Nothing extra will be paid to the Contrctor except the accepted rate.i,ii,iii is mandetory.					