

Schedule of Work						
Name of Work: Electrical Renovation Work in Room no- M-201,M-202,M-203 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)	25	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)	4X4 sq.mm+ 2X4 sq.mm earth wire	50	Metre			
b)	2X4sq.mm +1X4sq.mm earth wire	500	Metre			
C)	2X16sq.mm +2X16sq.mm earth wire	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	16	Nos			
b)	6 Module	2	Nos			
c)	8 Module	45	Nos			
d)	12 Module	5	Nos			
e)	Telephone socket outlet with modular box,plate etc	4	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	53	Nos.			
b)	15/16 amp switch	45	Nos.			
c)	5/6 amp switch	21	Nos.			
d)	3 pin 5/6A Socket	42	Nos.			
5	Supply 36W,Metal,Squre(2'x2') recess mounting type LED light fitting (as per MESCAB RoSUN MPLSK 36W(2x2) 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	18	Nos.			
6	Installation, testing and commissioning of pre-wired,Tube light fitting/ LED fitting / compact Led fitting/UV 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.	18	Nos.			
7	Supply and fixing TPN sheet steel enclosure on surface/recess along with 20/32 A 415 V "C" curve TPN MCB complete with connections, testing and commissioning etc,as required	3	No.			

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)	Remarks
8	Supplying and fixing of variable timer(Carrier make or equivalent) to run both the AC periodically inside the room with complete connections,testing and commissioning etc. as required.	1	Nos.			
9	Distribution Board - (PDB): Supplying and fixing following way prewired vertical type TP&N MCCB 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 MCCB/RCCB/Isolator).					
a)	12 way(4+36) Double Door	1	No.			
10	Supply & fixing following way,horizontal type three pole and neutral,sheet steel,MCB distribution board,415V,on surface/recess,complete with tinned copper bus bar,earth bar,din bar,interconnections,powder painted including earthing etc.as required(But without MCB/RCCB/Isolator)					
a)	4 way(4+12) way	1	No.			
11	supply and fixing of commercial type Air Curtain 230V ,50Hz,Air velocity-18 m/s, noise level<75dB on surface (Make- Airotek, model-AT-118 or equivalent)complete with connections, testing and commissioning etc. as required.	1	No.			
12	Supplying & Fixing of modular type 20Amp A.C. starter switch with GI/PVC Box complete surface/recessed in wall.	8	Nos.			
13	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.	120	Metre			
14	Supply & fixing of 20 mm dia of medium class PVC 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.	100	Metre			
15	Supply and Fixing single pole blanking plate in the existing MCB DB complete etc.as required	10	Nos.			
16	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	5	Nos.			
b)	16 A MCB,SP	21	Nos.			
c)	20 A MCB,SP	8	Nos.			
d)	32 A MCB,TP	2	Nos.			
e)	63 A MCB,TP	1	Nos.			
f)	63 A MCB,4P	2	Nos.			
17	Supplying and fixing following rating 415 volts, moulded case circuit breaker suitable for inductive load of following poles in the existing MCB DB(as incomer) complete with connections,testing and commissioning etc. as required.(Make-CG or eqv.)					

a)	4P MCCB 125A,36KA	1	No.			
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Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)	Remarks
	XLPE armoured Al. cable: -					
18	Supplying of XLPE insulated and PVC sheathed armoured heavy duty following aluminium conductor cable of CC/Universal/POLYCAB/MESCAB make 1.1KV grade as per relevant IS specifications for the following sizes:					
a)	4cx 50 sq.mm (ALUMINIUM)	30	mt.			
	Cable Laying: -					
19	Laying & Fixing of 1no. PVC insulated and PVC sheathed/XLPE power cable of 1.1KV Grade of following size on wall surface as required.					
b)	4cx 50 sq.mm(clamped with 25x3 mm thick saddle)	30	mt.			
	Cable Termination :-					
20	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).					
b)	4cx50 sq.mm	2	Nos.			
21	Providing & Fixing 4mm dia copper wire on surface/recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.	60	mt.			
	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 good quality PVC sleeve and to be fixed on wall with proper insulator) in 40mm Dia G.I pipe from earth electrode including connections with brass nut,bolt,spring washer excavation and refilling etc as required.	30	Metre			
24	Providing & fixing of 25mm x 5mm Copper strip (wrapped with good quality PVC sleeve and to be fixed on wall with proper insulator) in 40mm Dia G.I pipe from earth electrode including connections with brass nut,bolt,spring washer excavation and refilling etc as required.	10	Metre			
25	Providing & fixing earth bus of 50 mm x 5mm copper strip on insulator surface for connections etc. as required.	1	Metre			
26	Supply,Installation,testing and commissioning of 450 mm wall mounting type AIR BALL fan with electronic regulator. as required.	7	Nos.			
				TOTAL		
	(Rupees					
i)	GST No.-	GST=CGST -9%, SGST-9%				
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.					