

Schedule of Work						
Name of Work: Electrical Renovation Work in Room no-102 situated in the ERU 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)	6	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)	2X2.5 sq.mm+ 1X2.5 sq.mm earth wire	10	Metre			
b)	2X4sq.mm +1X4sq.mm earth wire	130	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	5	Nos			
b)	6 Module	13	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	29	Nos.			
b)	15/16 amp switch	26	Nos.			
5	Supply 36W,Metal,Square(2'x2') recess mounting type LED light fitting (as per MESAB 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	4	Nos.			
6	Supply 2X36W,Ultra Violet light fitting recess mounting type (as per Philips Model no- TUV 36W SLV/6 T8x2 with reflector with 36W UV 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	2	Set			
7	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.	6	Nos.			

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)	Remarks
8	Supplying & Fixing 100A 4-pole OFF Load change over switch (As per Havell's catalogue code-IHCCFEO100,Frame-IS00 or equivalent) in Sheet Steel enclosure on surface/recess complete with connection, testing & Commissioning etc. as required	1	No.			
9	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.			
10	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.			
11	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)	6 way(4+18) way	1	No.			
12	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.			
13	Supplying & Fixing of modular type 20Amp A.C. starter switch with GI/PVC Box complete surface/recessed in wall.	2	Nos.			
14	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			
15	Supply and Fixing single pole blanking plate in the existing MCB DB complete etc.as required	10	Nos.			

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)	Remarks
16	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.	20	Metre			
	XLPE armoured Al. cable: -					
17	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)	4cx16 sq.mm	20	mt.			
b)	4cx35 sq.mm	35	mt.			
	Cable Laying: -					
18	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)	4cx16sq.mm(clamped with1mm thick saddle)	25	mt.			
b)	4cx35sq.mm(clamped with1 mm thick saddle)	35	mt.			
	Cable Termination :-					
19	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)	4cx16 sq.mm	2	Nos.			
b)	4cx35 sq.mm	2	Nos.			
20	Providing & Fixing 4mm dia copper wire on surface/recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.	140	mt.			
21	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	1	Nos.			
b)	16 A MCB,SP	14	Nos.			
c)	20 A MCB,SP	2	Nos.			
d)	25 A MCB,SP	2	Nos.			
e)	6 A MCB,SP	1	No.			
f)	63 A MCB,TP	2	Nos.			
g)	63 A MCB,4P	1	Nos.			
22	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.			

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)	Remarks
	DEDICATED EARTHING					
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.	25	Metre			
24	Providing & fixing earth bus of 50 mm x 5mm copper strip on insulator surface for connections etc. as required.	1	Metre			
				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.					