

Estimate & Schedule of Work						
Name of Work: Electrical Renovation Work in Room no- M-50,M-51 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 PVC/GI box and earthing the point with 1.5 sq.mm. FRLS/HRFR PVC insulated copper conductor single core cable etc. as required.					
	Group C (as per CPWD Categorisation)	30	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	30	Metre			
b)	2X4sq.mm +1X4sq.mm earth wire	550	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	8	Nos			
b)	6 Module (03 nos. North-West make must)	13	Nos			
c)	8 Module	10	Nos			
d)	6 Module base&cover w/out box North-West make	35	Nos			
e)	3 Module base&cover w/out box North-West make	10	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	40	Nos.			
b)	15/16 amp switch	40	Nos.			
c)	5/6 amp switch	20	Nos.			
d)	3 pin 5/6A Socket	20	Nos.			
e)	15/16A Socket (Make- North-West)	80	Nos.			
5	Supply 2x22W,Double Tube light set with LED light (as per Crompton Cat. No. TMC-502 with 2xT-LED 22W. 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	20	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. including supplying and fixing ball and socket arrangement,2 nos down rods of 3ft.length, 20mm dia X1.6 mm thick steel conduit and connection with 1.5sq.mm FRLS/HRFR PVC insulated, copper conductor, single core cable and earthing etc. as required.	20	Nos.			

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)	Remarks
7	supply and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc.as required	8	Nos.			
8	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)	8 way(4+24) way	1	No.			
9	Supply,installation,testing and commissioning of1200mm. ceiling fan with Brush less Direct Current(BLDC) motor.3 nos.metal(Al. alloy) along with all accessories and 3ft.long down rod, 350 rpm,PF≥0.9 air delivery 210 CM/min (minimum) i/c,connection with 1.5 sq.mm FRLS PVC insulated copper conductor,earthing etc.as required.	8	Nos.			
10	Supplying & Fixing of modular type 20Amp A.C. starter switch with GI/PVC Box complete surface/recessed in wall.	4	Nos.			
11	Supply & drawing 2 pair 0.5 mm dia FRLS/HRFR 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.	10	Metre			
12	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.	10	Metre			
13	Supply and Fixing single pole blanking plate in the existing MCB DB complete etc.as required	6	Nos.			
14	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	5	Nos.			
c)	20 A MCB,SP	12	Nos.			
d)	32 A MCB,SP	1	Nos.			
e)	63 A MCB,TPN	1	Nos.			
f)	16 A MCB,SP (Tiny Trip North - West Make)	80	Nos.			
15	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	1	Set			

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)	Remarks
	XLPE armoured Al. cable: -					
16	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 25 sq.mm (ALUMINIUM)	15	mt.			
b)	4cx 16 sq.mm (ALUMINIUM)	10	mt.			
	Cable Laying: -					
17	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)	4cx 25 sq.mm(clamped with 25x3 mm thick saddle)	15	mt.			
b)	4cx 16 sq.mm(clamped with 25x3 mm thick saddle)	10	mt.			
	Cable Termination :-					
18	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)	4cx 25 sq.mm	2	Nos.			
b)	4cx 16 sq.mm	2	Nos.			
19	Providing & Fixing 4mm dia copper wire on surface/recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.	100	mt.			
	EARTHING					
20	Providing & fixing of 25mm x 5mm G.I 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.	35	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.					