

Schedule of Work

Name of Work: Electrical Renovation work for Room No: 74,76,81 in the Main Building of IACS

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)
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 categorization)	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,with medium class PVC conduit as required.				
a)	2X1.5 sq.mm+ 1X1.5sq.mm earth wire	140	Metre		
b)	2X4sq.mm +1X4sq.mm earth wire	290	Metre		
3	Wiring for circuit/submain wiring along with earth wire with the following sizes of FRLS PVC insulated flexible copper conductor, single core cable in surface,through 32 mm diameter armoured flexible PVC conduit as required.				
a)	2 X 10Sq.mm	15	Metre		
4	Supplying and laying 32 mm diameter steel armoured flexible PVC conduit, as required	15	Metre		
5	Supplying of 3 core 10 sq.mm PVC sheathed/ XLPE insulated armoured aluminium power cable of 1.1 KV grade as per IS:7098(part-1) 1988 etc. as required.	20	Metre		
6	Supplying of 4 core 10 sq.mm PVC sheathed/ XLPE insulated armoured aluminium power cable of 1.1 KV grade as per IS:7098(part-1) 1988 etc. as required.	51	Metre		
7	Supplying of 4 core 16 sq.mm PVC sheathed/ XLPE insulated armoured aluminium power cable of 1.1 KV grade as per IS:7098(part-1) 1988 etc. as required.	27	Metre		
8	Laying & Fixing of one no PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.(Upto 35 Sq.mm clamped with 1 mm thick saddle)				
a)	3 core 10 Sq.mm	20	Metre		
b)	4 core 10 Sq.mm	51	Metre		
c)	4 core 16 Sq.mm	27	Metre		
9	Supplying and making end termination with copper lugs for following size of FRLS PVC insulated flexible copper conductor, single core power cable of 1.1 KV grade as required.				
a)	2 x 10 sq.mm	4	Each		
10	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE insulated aluminium conductor power cable of 1.1 KV grade as required.				
a)	3 core x 10 sqmm	2	Each		
b)	4 core x 10 sqmm	6	Each		
c)	4 core x 16sqmm	4	Each		
11	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required	226	Metre		

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)
12	Supplying and laying of following size/modules GI box along with modular base & cover plate for modular switches in recess etc. as required.				
a)	2 modules (75mm x 75mm)	13	Nos.,		
b)	6 modules (200mm x 75mm)	17	Nos.		
c)	12 modules (200mm x 150mm)	15	Nos.		
13	Supplying & Fixing of following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc as required.				
a)	5/6 Amp switch	50	Nos.,		
b)	15/16 Amp Switch	32	Nos.		
c)	3-pin 5/6 Amp socket outlet	50	Nos.		
d)	6-pin 15/16 Amp Socket outlet	32	Nos.		
e)	Telephone socket outlet	2	Nos.		
14	Supplying and drawing of following pair 0.5mm dia FR PVC insulated annealed copper conductor un-armoured telephone cable in the existing surface/recess steel/PVC conduit as required.				
a)	2 pair	36	Mtrs.		
15	Supplying & Fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
a)	20mm	36	Mtrs.		
16	Supplying & fixing of modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	45	Nos.		
17	Supplying & fixing of modular type 25A AC starter switch with GI Box to be recessed in wall including connections but excluding providing modular plate etc as required.	5	Nos.		
18	Supplying and fixing of 25A shutterd socket on the existing modular plate and switch box including connections but excluding providing modular plate etc as required.	5	Nos.		
19	Supplying and fixing of 25A 3-Pin plug top on the existing modular plate and switch box including connections but excluding modular plate etc as required.	5	Nos.		
20	Supply, installation, testing and commissioning of sequential microcontroller based programmable AC timer capable to take load up to 2 ton window/split AC for 1 to 24 hours.	2	Nos.		
21	Supplying of 1200mm sweep ceiling fan complete with all accessories (white colour)	4	Nos.		
22	Installation, Testing & Commissioning of ceiling fan including wiring the down rods of standard length (upto 30cm) with 1.5sq.mm. FRLS PVC insulated, copper conductor, single core cable etc. as required.	4	Nos.		
23	Providing and fixing extra down rod of 10 cm length G.I. pipe, 15mm dia, heavy gauge including painting etc. as required. (NOTE: More than 5cm length shall be rounded to the nearest 10cm and 5 cm or less shall be ignored.)	4	Nos.		

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)
24	Supplying & fixing of two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc as required	4	Nos.		
25	Supplying of heavy duty 15 inch 1400 RPM four blade single phase exhaust fan.	1	Nos.		
26	Installation of exhaust fan in the existing opening including making good the damaged connection testing and commissioning etc.as required.(upto 450mm sweep)	1	Nos.		
27	Supplying and fixing of aluminium louvers/shutters complete with frame for a exhaust fan of 15 inchs,as required	1	Set		
28	Supplying of 2x28 W Decorative Fluorescent tube light fitting (As per Phillips Cat. No. TMS-122 M 2x TLS -28W EBT) or equivalent model and make with lamps and reflector (As per Phillips Cat. No. GMS122 228R).OR Equivalent .	8	Nos.		
29	Supplying of 1x28 W Fluorescent tube light fitting (As per Phillips Miroлта slim Cat. No. TMS-540 1xTL528W HF/865 1xT528W lamp) or equivalent model and make with lamps .	1	Nos.		
30	Installation ,testing commissioning of pre wired,fluorescent fitting/compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/wall,including connections with 1.5 Sq.mm FRLS PVC insulated,copper conductor,single core cable and earthing etc.as required.	9	Each		
31	Supplying and fixing of Four pole sheet steel 415V MCB enclosure on surface/recess .(But without MCB/RCCB/isolator)	6	Nos.		
32	Supplying & fixing of following way, single pole and neutral sheet steel, MCB distribution board, 240V on surface / recess complete with tinned copper bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required.				
	2+6-way double door	1	Each		
33	Supplying & fixing of following way, horizontal type three pole and neutral,sheet steel MCB distribution board,415V on surface / recess complete with tinned copper bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required.				
a)	4-way(4+12),double door	2	Each		
34	Supplying & fixing of following rating 240V 10KA C-curve MCB suitable for inductive load of following poles in the existing MCCB DB complete with connections testing and commissioning etc. as required.				
a)	6A single pole	10	Nos.		
b)	16A single pole	20	Nos.		
c)	20A single pole	2	No.		
d)	25A single pole	1	No.		
e)	40A single pole	1	No.		
35	Supplying & fixing of following rating 415V 10KA C-curve MCB suitable for inductive load of following poles in the existing MCB/MCCB DB complete with connections testing and commioning etc. as required.				
a)	40A Double pole	2	Nos.		
b)	63A Double pole	1	No.		
c)	32A Tripple pole	1	Nos.		
d)	32A Four pole	3	Nos.		
e)	40A Four pole	1	No.		
f)	63A Four pole	2	Nos.		

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)
36	Supplying and fixing of single pole blanking plate in the existing DB complete etc. as required.	10	Each		
37	Supply and fixing 20A ,240V SPN industrial type socket outlet with 2 pole and earth,metal enclosed plug top along with 20A 'C'-Curve SPMCB, in sheet steel enclosure on surface/recess ,with chaind metal cover for the socket outlet and complete with connection,testing and commissioning.etc. as required .	1	Nos.		
38	Supplying of Extention power board consists of 2 no of 16 A sockets along with indivisual 2 Nos of 16 A switchs and 16A fuse.connected with 3 core 4 Sq.mm PVC flexible copper cable of minimum 5 meters length and 16 A plug top.	2	Nos		
39	Supplying of Extention power board cosists of 3 no of 6 A sockets along with indivisual 3 Nos of 6 A switchs and 6A fuse.connected with 3 core 1.5 Sq.mm PVC flexible copper cable of minimum 5 meters length and 6 A plug top.	2	Nos		
		Total			
GST %		CGST@			
		SGST@			
		Grand Total			
GST No:					
SAC No:					
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 Contractor except the accepted rate.					

Signature of the bidder with stamp seal and date