

Schedule of Work as per NIT No.- IACS/WS/SB/ELEC/2017-18/118 Dated 06=03-2018

Name of Work: Electrical Renovation work for Room No: 103 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 coper 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)	14	Point		
2	Wiring for circuit/submain wiring along with 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	20	Metre		
b)	2X4sq.mm +1X4sq.mm earth wire	350	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	6	Metre		
b)	4 X 10Sq.mm	6	Metre		
4	Supplying and laying 32 mm diameter steel armoured flexible PVC conduit, as required	12	Metre		
5	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.	22	Metre		
6	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.	25	Metre		
7	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)	4 core 10 Sq.mm	22	Metre		
b)	4 core 16 Sq.mm	25	Metre		
8	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	115	Metre		

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)
9	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.				
b)	4 core x 10 sqmm	2	Set		
c)	4 core x 16sqmm	4	Set		
10	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	2	Each		
b)	4 X 10 Sq.mm	2	Each		
11	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)	7	Nos.		
b)	6 modules (200mm x 75mm)	26	Nos.		
c)	12 modules (200mm x 150mm)	1	Nos.		
12	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	3	Nos.,		
b)	15/16 Amp Switch	52	Nos.		
c)	3-pin 5/6 Amp socket outlet	3	Nos.		
d)	6-pin 15/16 Amp Socket outlet	52	Nos.		
e)	Telephone socket outlet	1	Nos.		
13	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	24	Mtrs.		
14	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	24	Mtrs.		
15	Supplying & fixing of modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	3	Nos.		

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)
16	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.	3	Nos.		
17	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.	3	Nos.		
18	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.	3	Nos.		
19	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.	1	No.		
20	Supplying of 1200mm sweep ceiling fan complete with all accessories (white colour)	3	Nos.		
21	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.	3	Nos.		
22	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.)	3	Nos.		
23	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	3	Nos.		
24	Supply,installation,testing and commissioning of 400 mm diameter high speed revolving wall mount fan with all accessories etc,as required	2	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 damage, 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.	1	Set		

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)
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 .	5	Nos.		
29	Supplying of 2x28 W Decorative Fluorescent tube light fitting (As per Phillips Cat. No.TBS 669M 2xTL5-28W EB M2) or equivalent model and make with lamps and reflector (suitable for false ceiling).	3	Nos.		
30	Installation, Testing & Commissioning of pre-wired, fluorescent fitting/compact fluorescent fitting of all types, complete with all accessories and tubes/lamps etc, including supplying and fixing ball and socket arrangement,2 nos of down rods of 20mm dia x1.6mm thick steel conduit upto 30cm length painting and wiring the down rods and connections with 1.5 sq.mm. FRLS PVC insulated copper conductor, single core cable and earthing as required.	5	Nos.		
31	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.	3	Each		
32	Providing and fixing extra conduit down rod of 20 mmdia,2x10cm length,wiring with 2x1.5 Sq.mm FRLS PVC insulated,copper conductor,single core cable 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.	5	Each		
33	Supplying and fixing of Four pole sheet steel 415V MCB enclosure on surface/recess .(But without MCB/RCCB/isolator)	2	Nos.		
34	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+8-way double door	1	Each		
35	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)	8-way(4+24),double door	1	Each		

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)
36	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	3	Nos.		
b)	16A single pole	29	Nos.		
37	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)	32A Double pole	1	No.		
b)	32A Tripple pole	1	No.		
c)	32A Four pole	1	No.		
d)	40A Four pole	1	No.		
e)	50A Four pole	1	No.		
38	Supplying and fixing of single pole blanking plate in the existing DB complete etc. as required.	6	Each		
		Total			
	GST %	CGST@			
		SGST@			
		Grand Total			
	GST No:				
	SAC No:				
	Total Quotated Amount				
	(Rupee: only)				
NOTE:The Total quoted amount is thus 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