

Schedule of Work

Name of Work: Electrical Renovation Work for Biological Building of IACS as per NIT No.- IACS/WS/ELEC/2017-18/113, Dated 23-02-2018

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)	32	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)	2X1.5 sq.mm+ 1X1.5sq.mm earth wire	310	Metre		
b)	2X4sq.mm +1X4sq.mm earth wire	480	Metre		
3	Supplying of 4 core 4 sq.mm PVC sheathed/ XLPE insulated armoured copper power cable of 1.1 KV grade as per IS:7098(part-1) 1988 etc. as required.	140	Metre		
4	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.	97	Metre		
5	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		
6	Supplying of 3.5 core 50 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.	91	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 1mm thick saddle)				
a)	4 core 4 sq.mm	140	Metre		
b)	4 core 10 sq.mm	97	Metre		
c)	4 core 16 sq.mm	25	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.above 35 Sq.mm and upto 95 Sq.mm(clamped with 25X3mm MS flat clamp)				
a)	3.5 core 50Sq.mm	91	Metre		
9	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	706	Metre		
10	Supplying and making end termination with brass compression gland and copper lugs for following size of PVC insulated and PVC sheathed/XLPE insulated copper conductor power cable of 1.1 KV grade as required.				
a)	4 x 4 sq.mm	18	Each		

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)
11	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)	4 x 10 sq.mm	14	Each		
b)	4 x 16 sq.mm	4	Each		
c)	3.5 x 50 sq.mm	4	Each		
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 (75 mm X 75 mm)	19	Nos.,		
b)	3 Module (100 mm X 75 mm)	2	Nos.		
c)	6 Modules (200 mm X 75 mm)	35	Nos.		
d)	12 Modules (200 mm X 150 mm)	42	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	125	Nos.,		
b)	15/16 Amp switch	72	Nos.		
c)	3pin 5/6 Amp socket outlet	125	Nos.		
d)	6pin 15/16 Amp Socket outlet	72	Nos.		
e)	Telephone socket outlet	4	Nos.		
14	Supplying & fixing of modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	125	Nos.		
15	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	75	Mtrs.		
16	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	75	Mtrs.		
17	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 .	9	Nos.		
18	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).	6	Nos.		
19	Supplying of 1x28 W Fluorescent tube light fitting (As per Phillips Mirolta slim Cat. No. TMS-540 1xTL528W HF/865 1xT528W lamp) or equivalent model and make with lamps .	6	Nos.		
20	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.	15	Nos.		
21	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.	15	Each		

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)
22	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.	6	Each		
23	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.	7	Nos.		
24	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	7	Nos.		
25	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.	7	Nos.		
26	Supplying of 1200mm sweep ceiling fan complete with all accessories (white colour)	7	Nos.		
27	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.	7	Nos.		
28	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.)	7	Nos.		
29	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	7	Nos.		
30	Supplying of Heavy Duty 15 inch 1400 RPM four blade single phase exhaust fan.	2	Nos.		
31	Installation of exhaust fan in the existing opening including making good the damaged connecion testing and commissioning etc.as required.(upto 450mm sweep)	2	Nos.		
32	Supplying and fixing of aluminium louvers/shutters complete with frame for a exhaust fan of 15 inchs,as required	2	Set		
33	Supplying & fixing of following way, Surfaces/recess mounting vertical type,415V TPN MCB Distribution board of sheet steel,dust protected,duly powder painted, inclusive of 200A tinned copper bus bar common neutral link,earth bar,din bar for mounting MCBs(But without MCBs and incomer)as required.				
a)	4way(4+12) Double door	5	Nos.		
b)	6 way(4+18) Double door	1	No.		
34	Supplying & fixing 415V 8-Way (4+24), double door MCCB DB (But without MCB/MCCB/RCCB/Isolator)	2	Nos.		
35	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnatic realese and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel,making connections etc. as required.				
a)	125A 36kA Four pole MCCB	2	Nos.		

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 MCB DB complete with connections testing and commissioning etc. as required.				
a)	6A single pole	23	Nos.		
b)	16A single pole	34	Nos.		
c)	20A single pole	21	Nos.		
d)	20A Double pole	12	Nos.		
37	Supplying & fixing of following rating 415V 10KA 'C'-curve MCB suitable for inductive load of following poles in the existing MCB DB complete with connections testing and commnioning etc. as required.				
a)	20A Three pole	4	Nos.		
b)	32A Three pole	8	Nos.		
c)	40A Three pole	2	Nos.		
d)	63A Three pole	2	Nos.		
e)	20A Four pole	3	Nos.		
f)	32A Four Pole	2	Nos.		
g)	63A Four pole	2	Nos.		
h)	40A Four Pole	2	Nos.		
38	Supplying and fixing Four pole sheet steel 415V MCB enclosure on surface/recess .(But without MCB/RCCB/isolator)	3	Nos.		
39	Supplying and fixing Double pole sheet steel 240V MCB enclosure on surface/recess .(But without MCB/RCCB/isolator)	12	Nos.		
40	Supply and fixing 20A ,415V TPN industrial type socket outlet with 4 pole and earth,metal enclosed plug top along with 20A 'C'-Curve TPMCB, 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 .	3	Nos.		
41	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc.as required.	35	Nos.		
		Total			
GST %					
		CGST@			
		SGST@			
		Grand Total			
GST No:					
SAC No:					
(Rupee:..... only)					
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 Contractor with stamp & date