

COCHIN PORT AUTHORITY
GOVT OF INDIA
ANNEXURE - IX

ELECTRICAL MATERIALS REQUIRED FOR CISF UNIT CAMPUS MESS RENOVATION

Sl. No.	Items	Qty.	Unit	RATE	AMOUNT
1	16 A Socket with Switch, (SS COMBINED)	5	no.		
2	4 way (4+8) TPN VDB without Phase Selector	1	no.		
3	4 way (8+12) TPN VDB without Phase Selector	1	no.		
4	4 way (4+12) TPN Horizontal DB without Phase Selector	1	no.		
5	8 way SPN DB	1	no.		
6	RCCB 40A, Three Phase	1	no.		
7	Isolator 40A, Three Phase, 4 Pole	1	no.		
8	Isolator 40A, Three Phase, 3 pole	1	no.		
9	RCCB 63A, Three Phase	1	no.		
10	Isolator 40A, SPN, DOUBL POLE	1	no.		
11	RCCB 40A, SPN, DOUBL POLE	1	no.		
12	Isolator 63A, SPN, DOUBL POLE	1	no.		
13	RCCB 63A, SPN, DOUBL POLE	1	no.		
14	SP MCB 6A	2	no.		
15	SP MCB 10A	1	no.		
16	SP MCB 16A	6	no.		
17	SP MCB 20 A	5	nos.		
18	SP MCB 25 A	2	nos.		
19	TPN MCB 32 A	1	no.		
20	TPN MCB 40 A	1	no.		
21	TPN MCB 63 A	1	no.		
22	TP MCB 32 A	1	no.		
23	TP MCB 40 A	1	no.		
24	TP MCB 63 A	1	no.		
25	16 Module Open Box (LEGRAND or equivalent)	1	no.		
26	16 Module Plate (LEGRAND or equivalent)	1	no.		
27	12 Module Open Box (LEGRAND or equivalent)	2	no.		
28	12 Module Plate (LEGRAND or equivalent)	2	no.		
29	9 Module Open Box (LEGRAND or equivalent)	4	nos.		
30	9 Module Plate (LEGRAND or equivalent)	4	nos.		
31	4 Module Open Box (LEGRAND or equivalent)	6	nos.		
32	4 Module Plate (LEGRAND or equivalent)	6	nos.		
33	3 Module Open Box (LEGRAND or equivalent)	2	nos.		
34	3 Module Plate (LEGRAND or equivalent)	2	nos.		
35	2 Module Open Box (LEGRAND or equivalent)	5	nos.		
36	2 Module Plate (LEGRAND or equivalent)	5	nos.		
37	6A Socket Modular (LEGRAND or equivalent)	12	nos.		
38	16A Socket Modular (LEGRAND or equivalent)	6	nos.		
39	6A Switch Modular (LEGRAND or equivalent)	24	nos.		
40	16A Switch Modular (LEGRAND or equivalent)	6	nos.		
41	6A Bell push One Module (LEGRAND or equivalent)	2	nos.		
42	10 X 4 Open Switch Box PVC	5	nos.		
43	Ceiling Rose	8	nos.		

Sl. No.	Items	Qty.	Unit	RATE	AMOUNT
44	3C X 1.5 SQ MM COPPER PVC SHEATHED FLEXIBLE CABLE	100	metre		
45	4 sq.mm. Copper wire (1coil = 90m) R,Y,B & Black (1 colour each) (Make - Finolex / V-Guard / Havells)	4	coils		
46	2.5 sq.mm. Copper wire (1coil = 90m)R,Y, Black & Green (Make - Finolex / V-Guard / Havells)	4	coils		
47	1.5 sq.mm. Copper wire (1coil = 90m)R,Y,B (Make - Finolex / V-Guard / Havells)	3	coils		
48	1 sq.mm. Copper wire (1coil = 90m)R,Y & Black (1 colour each) (Make - Finolex / V-Guard / Havells)	3	coils		
49	3/4" PVC Conduit Black (1 no. = 3m)	20	nos.		
50	Bend 3/4"	10	nos.		
51	Elbow 3/4"	10	nos.		
52	Saddle 3/4"	60	nos.		
53	3 Way Junction Box 3/4"	5	nos.		
54	2 Way Junction Box 3/4"	5	nos.		
55	1 Way Junction Box 3/4"	5	nos.		
56	1" PVC Conduit Black (1 no. = 3m)	30	nos.		
57	Bend 1"	15	nos.		
58	Elbow 1"	15	nos.		
59	Saddle 1"	90	nos.		
60	3 Way Junction Box 1"	10	nos.		
61	2 Way Junction Box 1"	10	nos.		
62	1 Way Junction Box 1"	10	nos.		
63	1" Screw S.S.	24	nos.		
64	3/4" Screw S.S.	12	nos.		
65	Casing & capping 1/2"	20	nos.		
66	Casing & capping 3/4"	10	nos.		
67	Flexible hose black 20 mm	1	coil		
68	Flexible hose black 25 mm	1	coil		
69	No.6 PVC Screw Grip (1 Packet = 100 nos.)	1	Packet		
70	Concrete Nails 1 1/2"	0.5	kg.		
71	High speed Hack Saw Blade	2	nos.		
72	Insulating Tape	10	nos.		
73	No.6 Metal Bit	1	no.		
74	LED Batten 4ft.	16	nos.		
75	Pedestal Fans - Industrial Type (Almonard)	3	nos.		
76	HIGH SPEED Wall Fan 16" metal type (Almonard)	1	no.		
77	HIGH SPEED Wall Fan 16" PVC type (V-GUARD, HAVELLS, ORIENT)	5	nos.		
78	Ex. Fans - Heavy Duty 16" (Almonard, V-GUARD, HAVELLS, ORIENT)	4	nos.		
79	Ex. Fans - PVC 12" (V-GUARD, HAVELLS, ORIENT)	5	nos.		
80	Ex. Fans - PVC 9" (V-GUARD, HAVELLS, ORIENT)				

Sl. No.	Items	Qty.	Unit	RATE	AMOUNT
81	LED TUBE LIGHT 20 W (HAVELLS, CROMPTON, SURYA, LUKER)	30	nos.		
82	LED BULB 9 W (HAVELLS, CROMPTON, SURYA, LUKER)	10	nos.		
83	CEILING FAN BLDC WITH REMOTE 1200 MM (HAVELLS, BAJAJ)	5	nos.		
84	230 V AC Calling Bell of good quality	2	nos.		
85	G.I. earth pipe/ rod with Cu bonding 1 metre long, 40 mm dia	1	nos.		
86	3.15 mm copper conductor (10 SWG)	30	metre		
87	3.15 mm (10 SWG) superior quality copper earth socket	4	nos.		
88	25 x 6 mm brass bolt & nut	20	nos.		