

Schedule of work.

Name of work: Electrical Renovation of essential staff quarter in the 2B campus of IACS

Item No.	Description.	Quantity.	Unit.	Rate.(Rs.)	Amount(Rs.)
1	Supplying of 3.5 core 150 sq.mm PVC sheathed/XLPE insulated armoured aluminium power cable of 1.1 KV grade as per IS : 7098 (part-1) 1988 etc.	70	Metre.		
	Make: Polycab/gloster/KEI/Havells				
2	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.	20	Metre.		
	Make: Polycab/gloster/KEI/Havells				
3	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.	100	Metre.		
	Make: Polycab/gloster/KEI/Havells				
4	Laying and fixing of 1 no of PVC insulated and PVC sheath/XLPE power cable of 1.1 KV grade of following size on wall surface, as required.				
a)	upto 35 sq.mm (clamped with 1mm thick saddle)	100	Metre.		
b)	Above 35 sq. mm and upto 95 sq.mm (clamped with 25 X 3mm MS flat clamp)	20	Metre.		
c)	Above 95 sq.mm. and upto 185 sq.mm.(clamped with 25 X 40/3 mm MS flat clamp)	70	Metre.		
5	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/ XLPE aluminium conductor cable of 1.1 KV grade as required.				
a)	4 core 16 sq.mm	8	Each		
b)	3.5 core 50 sq.mm (35 mm)	2	Each		
c)	3.5 core 150 sq.mm.(62 mm)	2	Each		
6	Supplying and making straight through joint with cast resin compound including ferrules and other jointing materials for following size of PVC insulated and PVC sheath/XLPE aluminium conductor cable of 1.1KV grade, as required.				
a)	3.5 core 150sq.mm	1	each		
7	Wiring for light point/fan point/calling bell point/exhaust fan point with 1.5 sq.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.)	300	Nos.		
	Make: Finolex, polycab, KEI, Havells				

Item No.	Description.	Quantity.	Unit.	Rate.(Rs.)	Amount(Rs.)
8	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.+1X1.5 sq.mm. earth wire.	1500	Mtrs.		
b)	2X4 sq.mm.+1X4 sq.mm. earth wire.	1300	Mtrs.		
	Make: Finolex, polycab, KEI, Havells				
9	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor,single core cable in surface/recessed medium class PVC conduit as required.				
a)	2X6 sq.mm.+1X6 sq.mm. earth wire.	400	Mtrs.		
	Make: Finolex, polycab, KEI, Havells				
10	Supplying and laying of following size/modules GI box along with modular base & cover plate for modular switches in recess/surface etc. as required.				
a)	2 module (75 mm X 75 mm)	50	Nos.		
b)	6 Modules(200mmX 75mm)	40	Nos.		
c)	12 Module (200mm X 150 mm)	72	Nos.		
	Make: Crabtree/MK/Legrand/L&T/Havells				
11	Supplying and fixing of following modular switch/socket on existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a)	5/6 Amp switch	200	Nos.		
b)	15/16 Amp switch.	100	Nos.		
c)	3 pin 5/6 Amp socket outlet.	200	Nos.		
d)	6 pin 15/16 Amp socket outlet.	100	Nos.		
	Make: Crabtree/MK/Legrand/L&T/Havells				
12	Supplying of 1200mm sweep ceiling fan complete with all accessories, as required	50	Nos.		
	Make: Bajaj/Usha/Crompton/Polar/Havells				
13	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	50	Nos.		
14	installation, testing and commissioning of ceiling fan including wiring the down rods of stander length (upto 30 cm) with 1.5 sq.mm FRLS PVC insulated copper conductor, single core cable,as required.	50	Nos.		

Item No.	Description.	Quantity.	Unit.	Rate.(Rs.)	Amount (Rs)
15	Supplying of 9 inch diameter single phase exhaust fan.	48	Nos.		
	Make: Bajaj/Usha/Crompton/Polar/Havells				
16	Installation of exhaust fan in the existing opening including making good the damage, connection testing and commissioning etc.as required.				
	upto 450mm sweep	48	Nos.		
17	Supplying and fixing of aluminium louvers/shutters complete with frame for a exhaust fan of 9 inchs.	48	Nos.		
18	Supplying and fixing of modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	172	Nos.		
19	Supplying and fixing of single pole blanking plate in the existing MCB DB Complete etc.as required.	100	Nos.		
20	Supplying of 20W LED tube light fitting, cool day-light, including all accessories, as required	100	Nos.		
	Make: phillips/Wipro/crompton/bajaj/Havells				
21	Installation,testing & commissioning of pre wired,fluorescent fitting/compact fluorescent fitting of all types,complete with all accessories and tube/lamp etc, directly on false ceiling/wall,including connections with 1.5 sq.mm. FRLS PVC insulated,copper conductor,single core cable and earthing etc.as required	100	Nos.		
22	Supplying & fixing 6A to 32 A rating, 240V/415V 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 MCB	120	Nos.		
b)	16 A single pole MCB	120	Nos.		
c)	32 A single pole MCB	30	Nos.		
d)	32 A Double pole MCB	30	Nos.		
e)	63A Tripple pole	5	Nos.		
f)	63A four pole	5	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells				
23	Supplying and fixing following rating double pole single phase and neutral, 240 V RCCB having sensitivity current 30mA, in the existing MCB DB, complete with connection testing and commissioning etc. , as required.				
a)	40A	25	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells				
24	Supplying and fixing following way, single pole and neutral, sheet steel MCB distribution board, 240V, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc., as required.(but without MCB/MCCB/isolator)				
a)	8 way, double door	25	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells				
25	Supplying and fixing following ways surface /recess mounted vertical type, 415V, TPN MCB distribution board, of sheet steel, dust protected, powder painted, inclusive of 200A tinned copper bus-bar, common neutral link, earth bar, din bar for mounting MCBs				
	4 way (4+12) double door	4	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells				

Item No.	Description.	Quantity.	Unit.	Rate.(Rs.)	Amount(Rs.)
26	Supplying and fixing following ways surface /recess mounted vertical type, 415V, TPN MCCB distribution board, of sheet steel, dust protected, powder painted, inclusive of 200A tinned copper bus-bar, common neutral link, earth bar, din bar for mounting MCBs				
a)	6 way (4+24), double door	1	No.		
	Make: Legrand/L&T/ABB/C&S/Havells				
27	Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreader in existing panel board including drilling hoiles, making connections etc, as required.				
a)	125A, 25 KA, FPMCCB	1	Each		
	Make: Legrand/L&T/ABB/C&S/Havells				
28	Providing & fixing 4mm dia bare copper wire on surface or in recess for loop earthing alongwith existing surface/recess conduit/submain wiring, as required.	700	meter		
29	Earthing with GI pipe 4.5 mm long, 40mm dia, including accessories and providing masonary enclosure with cover plate having locking arrangement and watering pipe etc. with solt charcol/coke , as required.	2	each		
30	Providing and fixing 25 mm X 5 mm GI strip on surface or in recess for connections etc. , as required.	50	Each		
31	Supplying and laying of following DWC HDPE pipe ISI marked along with all accessories like socket,bend,couplers etc.conforming to IS 14930,part II complete with fitting and cutting, jointing etc. in the existing trench,complete as required.				
a)	90 mm dia (OD - 90 mm & ID - 76 mm nominal)	70	Metre.		
32	Supplying and fixing a 16 SWG thick CRCA sheet steel enclosure having dimention 12 inch X 24 inch X 6 inch with lockable door, suitable for keeping three nos. of single phase energy meters, including provision for body earthing etc. , as required.	8	Nos.		
Total					
Rupees.....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.					
	GST No:				
	SAC code:				
	CGST@.....6.....% considered in the above BOQ				
	SGST@.....6%Considered in the above BOQ				