

Schedule of work.					
Name of work : Electrical renovation of IACS Staff canteen					
Item No.	Description.	Quantity.	Unit.	Rate. (Rs.)	Amount (Rs.).
1	Wiring for light point/fan point/exhaust fan point/call bell 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)	25	No.		
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.+1X1.5 sq.mm. earth wire.	75	Mtrs.		
b)	2X4 sq.mm.+1X4 sq.mm. earth wire.	380	Mtrs.		
	Make: Finolex, polycab,gloster,KEI,Havells				
3	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 Modules (75mmX75mm)	5	Nos.		
b)	3 Modules (100mmX 75mm)	10	Nos.		
c)	6 Modules (200 mm x 75 mm)	7	Nos.		
d)	12 Modules (200 mm x 150 mm)	5	Nos.		
	Make: Crabtree,MK,L&T,Schnneider,hager,Legrand				
4	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 A switch.	15	Nos.		
b)	3 pin 5/6 A socket outlet	15	Nos.		
c)	15/16 Amp switch.	25	Nos.		
d)	6 pin 15/16 Amp socket outlet.	25	Nos.		
e)	Telephone socket outlet.	1	No.		
	Make: Crabtree,MK,L&T,Schnneider,hager,Legrand				
5	Supplying and fixing of modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	18	Each		
6	Supplying and drawing following pair 0.5 mm dia FR PVC insulated annealed copper conductor un-armoured telephone cable in the existing surface/recess steel/PVC conduit as required.				
a)	2 pair .	30	Mtrs.		
	Make: NITCO, NICCO, Finolex, delton				
7	Supplying and fixing of following sizes 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)	20 mm.	30	Mtrs.		
	Make: Pesto plast ,plazza,AKG				

Item No.	Description.	Quantity.	Unit.	Rate. (Rs.)	Amount (Rs.).
8	Supplying and fixing of modular type 20 A AC starter switch along with GI box to be recessed/surface in wall including connections but excluding providing modular plate etc. as required.	2	Nos.		
	Make: Crabtree,MK,L&T,Schnneider,hager,Legrand				
9	supplying and fixing of 25 A shuttered socket on the existing modular plate & switch box including connections but excluding providing modular plate etc. as required.	2	No.		
	Make: Crabtree,MK,L&T,Schnneider,hager,Legrand				
10	Supplying & fixing of following ways surface /recess mounting vertical type,415V, TPN, sheet steel, MCCB distribution board of dust protected,duly powder painted, inclusive of 160A tinned copper bus bar, common neutral link,earth bar,din bar, for mounting MCBs complete as required.				
a)	16 Way (4+48)Double door.	1	No.		
	Make: Legrand,ABB,L&T, Hager				
11	Supplying and fixing of single pole blanking plate in the existing DB complete etc.as required.	8	Nos.		
12	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	13	Nos.		
b)	16A single pole	20	Nos.		
c)	20A single pole	9	Nos.		
	Make: Legrand,ABB,L&T, Hager				
13	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 commissioning etc. as required.				
a)	16A Triple Pole.	2	Nos.		
	Make: Legrand,ABB,L&T, Hager				
14	Supplying & fixing of following rating,breaking capacity & pole MCCB with thermomagnetic realese & terminal spreader in existing panel board including drilling holes in the panel ,making connection etc. complete as required.				
a)	63A ,4 pole,25KA MCCB.	1	No.		
	Make: Legrand,ABB,L&T, Hager				

Item No.	Description.	Quantity.	Unit.	Rate. (Rs.)	Amount (Rs.).
15	Supplying of 4 core 25 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.	16	Metre.		
	Make: polycab,gloster,KEI,Havells				
16	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 X 25 sq.mm	16	Metre.		
17	Supplying & making end termination with brass compression gland and Aluminium lugs for following size of PVC insulated & PVC sheathed /XLPE insulated 'AI' conductor power cable of 1.1 KV grade as required.				
a)	4 X 25 sq. mm.	2	Nos.		
18	Providing & Fixing of 4 mm dia bare copper wire on surface or in recess for loop earthing along with existing surface / recessed conduit / submain wiring / cable as required.	35	Metre.		
19	Supplying of 1200 mm sweep ceiling fan complete with all accessories (brown colour),as required.	3	No.		
	Make: Crompton, Polar, Usha, orient				
20	Installation,testing & commissioning of ceiling fan including wiring the down rods of standered length (upto30 cm) with 1.5 sq.mm. FRLS PVC insulated,copper conductor,single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc.as required.	3	No.		
21	Providing & fixing extra down rod of 20 cm length G.I. pipe,15 mm dia,heavy gauge including painting etc.as required.(Note: more than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	6	Nos.		
22	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	No.		
23	Supplying of industrial box type, twin LED batten luminaire suitable for twin T8 ,PVC 18 Watts LED tubelight set, complete with all accessories, as required.	13	Nos.		
	Make: Crompton, havells, phillips, bajaj				

Item No.	Description.	Quantity.	Unit.	Rate. (Rs.)	Amount (Rs.).
24	Installation,testing & commissioning of pre- wired,fluorescent fitting/compact fluorescent fitting /LED industrial type light fitting,complete with all accessories & tube 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.	8	Nos.		
25	Installation,testing and commissioning of pre-wired,fluorescent fitting/compact fluorescent fitting of all types,complete with all accessories and tube/lamp etc., including supplying and fixing ball and socket arrangement, 2 nos.down rods of 20 mm dia X 1.6 mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	5	Each		
26	Providing and fixing extra conduit down rod of 20 mm dia, 2 X 10 cm length, wiring with 2 X 1.5 sq mm FRLS PVC insulated,copper conductor, single core cable including painting etc. as required. (Note: more than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored.)	30	Each		
27	Supplying & fixing of 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or recess, with chained metal cover for the socket outlet and complete with connections,testing and commissioning etc.as required.	5	Nos.		
28	Supplying & fixing of 450 mm sweep, wall mounting fan, complete with all accessories, as required.	3	Nos.		
	Make: Crompton, Orient, Luminous, Usha, polar				
29	Supplying of 600 mm sweep, 900 rpm, 3 phase, Exhaust fan, complete with all accessories,as required.	2	No.		
	Make: Crompton, Usha, Luminous, polar, orient				
30	Supplying of 450 mm sweep,1400 rpm, single phase Exhaust fan, complete with all accessories,as required.	3	Nos.		
	Make: Crompton, Usha, Luminous, polar, orient				
31	Supplying of 225 mm sweep, single phase, Exhaust fan,complete with all accessories,as required.	1	No.		
	Make: Crompton, Usha, Luminous, polar, orient				
32	Installation of exhaust fan in the existing opening,including making good the damage,connection,testing,commissioning etc.as required.				
a)	Upto 450 mm sweep.	4	Nos.		
b)	600 mm sweep.	2	Nos.		
33	Extra for fixing the louvers/shutters complete with frame for all sizes.	4	Nos.		
34	Supplying and fixing of 3 phase 4 wire, counter type 10 -60 A, fully static, unbalanced energy meter (KWh)of accuracy class-1 as per IS:13779, with enclosure as required.	1	No.		
	Make: L&T, HPL, Alstom			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@.....% considered in the above BOQ				
	SGST@.....%Considered in the above BOQ				