

Estimate cum Schedule of work.

Name of work : Electrical renovation of Room No.: M-062, Rupnarayana and teesta hostel of IACS, Jadavpur.

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.	55	No.		
	Group C (as per CPWD categorization)				
	Make: wire: Finolex, polycab, MESCAB, KEI, Havells Conduit : Piazza/presto/AKG/ precession				
2	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.	30	Metre.		
	Make: Polycab/Gloste/KEI/Havells				
3	Laying & fixing of one no PVC insulated and PVC sheathed /XLPE power cable of 1.1 KV grade of size on wall surface as required (upto 35 sq.mm clamped with 1 mm thick saddle)				
a)	4 core X 16 sq.mm	30	Metre.		
4	Supplying & making end termination with brass compression gland and Aluminium lugs for following size of PVC insulated & PVC sheathed /XLPE insulated 'Al' conductor power cable of 1.1 KV grade as required.				
a)	4 X 16 sq. mm.	4	Nos.		
5	Providing & Fixing of 4 mm dia copper wire on surface or in recess for loop earthing along with exisiting surface / recessed conduit / submain wiring / cable as required.	50	Metre.		
6	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.	20	Mtrs.		
b)	2X4 sq.mm.+1X4 sq.mm. earth wire.	250	Mtrs.		
	Make: wire: Finolex, polycab, MESCAB, KEI, Havells Conduit : Piazza/presto/AKG/ precession				
7	Supplying and fixing of modular blanking plate in the existing modular switch board, excluding modular plate etc, complete as required.	150	Nos.		

8	Supplying & fixing of following rating 240/415 V, 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 single pole	5	Nos.		
b)	20A Single Pole	5	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
9	Supplying and fixing 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)	16	Nos.		
b)	3 Modules (100mmX75mm)	35	Nos.		
c)	6 Modules (200mmX75mm)	16	Nos.		
d)	8 Modules (125mmX125mm)	12	Nos.		
	Make: Crabtree/MK/L&T/Hagar/Legrand				
10	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.	280	Nos.		
b)	3 pin 5/6 A socket outlet	380	Nos.		
c)	15/16 Amp switch.	60	Nos.		
d)	6 pin 15/16 Amp socket outlet.	55	Nos.		
e)	2-Way 5/6 A Switch	200	Nos.		
f)	Telephone socket outlet	12	Nos.		
	Make: Crabtree/MK/L&T/Hagar/Legrand				
11	Supply and fixing 2 moduler step type electronic fan regulator on the existing modular plat, switch box,, including connections, but excluding modular plate etc., as required.	70	Nos.		
12	Supplying and fixing of modular type 25A 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/Hagar/Legrand				
13	Supply,installation,testing & commissioning of Microprocessor based sequential AC timer , capable to switch between Two nos. of 2 ton AC sequentially,with auto/manual/bypass mode as per requirment.	1	Nos.		
	Make: Saitronics Systems/ carrier /Custom make				
14	Supplying, fixing, testing and commissioning of ceiling suspended downrod mounted 2 X 20W LED batten type luminarie, cool day light (5400K), with lights of 4 feet length, frame and all accessories complete, as required.	230	Nos.		

15	<u>Brush Less Direct Current (BLDC) Fan without Remote</u> Supply, Installation, Testing and Commissioning of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal(Aluminium alloy) blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body Power Factor not less than 0.9, Service Value (CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion)less than 10%, suitable for operation with regulator for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 OC (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC supply, Ceiling Fan compliant to IS 374:2019 fan i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable PVC insulated copper conductor single core cable and earthing etc. as required. suitable for 230 V, 50 Hz, single phase AC supply, Ceiling Fan compliant to IS 374:2019 fan i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable PVC insulated copper conductor single core cable and earthing etc. as required				
a)	1200mm, service value ≥ 6.0 CM/Min/Watt, air delivery 210 CM/Min (Minimum)	55	Nos.		
	Make: Crompton/Phillips/bajaj/Havells/wipro				
16	Supply and fixing wall mounting revolving fan with 3 nos. metal(Aluminium alloy) blades, copper winding, steel/Al body Power Factor not less than 0.9 suitable for 230 V, 50 Hz, single phase AC supply, i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable PVC insulated copper conductor single core cable and earthing etc. as required				
	400 mm sweep	53	Nos.		
	Make: Crompton/Phillips/bajaj/Havells/wipro				
17	Supplying and drawing 20 Pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, Jelly filled armored telephone cable in surface/recess/ through PVC conduit etc. complete as required.	100	Nos.		
	Make: Polycab/NETCO/Nicco/Havells				
18	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, un armoured telephone cable in surface/recessed, through PVC conduit, as required.				
a)	2-Pair	200	Meter		
			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:					
HSN/SAC code:					
CGST@ 9% considered in the above BOQ					
SGST@ 9%Considered in the above BOQ					