

Schedule of work.					
Name of work : Electrical renovation of Room No.: M-221 and M-222 at Main Building 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.	12	No.		
	Group C (as per CPWD categorization)				
	Make: wire: Finolex, polycab, MESCAP, 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.	55	Metre.		
	Make: Polycab/Glost/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	55	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.	10	Nos.		
5	Providing & Fixing of 4 mm dia copper wire on surface or in recess for loop earthing along with existing surface / recessed conduit / submain wiring / cable as required.	110	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.	85	Mtrs.		
b)	2X4 sq.mm.+1X4 sq.mm. earth wire.	385	Mtrs.		
c)	2X6 sq.mm.+1X6 sq.mm. earth wire.	20	Mtrs.		
d)	4X6 sq.mm.+2X6 sq.mm. earth wire.	20	Mtrs.		
e)	4X16 sq.mm.+2X6 sq.mm. earth wire.	10	Mtrs.		
f)	2X10 sq.mm.+1X6 sq.mm. earth wire.	5	Mtrs.		
g)	2X16 sq.mm.+1X6 sq.mm. earth wire.	15	Mtrs.		
	Make: wire: Finolex, polycab, MESCAP, KEI, Havells Conduit : Piazza/ presto/AKG/ precession				

7	Supplying and fixing following way, single pole and neutral , sheet steel, MCB distribution board , 240V, on surface/recess, complete with tinned copper busbar, earth bar din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator				
a)	6 way, Double door.	3	No		
b)	12 way, Double door.	4	No		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
8	Earthing with GI Earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate, having locking arrangement and watering pipe etc. with CharCoAl, coke, salt, as required.	2	Nos.		
9	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connections with SS nut, bolt, spring washer excavation and refilling etc. as required.	15	Mtrs.		
10	Providing and fixing 25 mm X 5 mm copper strip (wrapped with PVC sleeve) on insulator surface for connections etc. as required.	45	Meter		
11	Providing and fixing 50 mm X 5mm copper strip on insulator surface for connections etc. as required.	1	Meter		
12	Supplying and fixing of single pole blanking plate in the existing DB complete etc. as required.	20	Nos.		
13	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.				
b)	16A single pole	24	Nos.		
C)	20A Single Pole	5	Nos.		
d)	32A Single Pole	3	Nos.		
e)	32A Double Pole	4	Nos.		
f)	63A Single Pole	1	Nos.		
g)	63A Double Pole	6	Nos.		
h)	63A tripple Pole	1	Nos.		
i)	63A four Pole	5	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
14	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)	14	Nos.		
b)	3 Modules (100mmX75mm)	4	Nos.		
c)	6 Modules (200mmX75mm)	6	Nos.		
d)	8 Modules (125mmX125mm)	30	Nos.		
	Make: Crabtree/MK/L&T/Hagar/Legrand				

15	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.	45	Nos.		
b)	3 pin 5/6 A socket outlet	80	Nos.		
c)	15/16 Amp switch.	45	Nos.		
d)	6 pin 15/16 Amp socket outlet.	52	Nos.		
	Make: Crabtree/MK/L&T/Hagar/Legrand				
16	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.	7	Nos.		
	Make: Crabtree/MK/L&T/Hagar/Legrand				
17	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 requirement.	3	Nos.		
	Make: Saitronics Systems/ carrier /Custom make				
18	Supplying and fixing (with chain & fastnut arrangement) of indoor type 36 W, 2 feet X 2 feet recess mounted LED down light with die cast aluminium housing, heat sink, anti glare polycarbonate/acrylic diffuser and integrated energy efficient electronic driver. With colour temprature 5700K (cool day light).	8	Nos		
	Make: Crompton/Phillips/bajaj/Havells/wipro				
19	Supplying of 300 mm sweep, 1400 RPM, 3 blade, single phase exhaust fan with all accessories.	2	No.		
	Make: Crompton/Phillips/bajaj/Havells/wipro				
20	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc .as required.				
a)	Upto 450 mm sweep.	2	Nos.		
21	Supplying and fixing of aluminium louvers/shutters complete with frame for a exhaust fan of 12 inches.	2	Nos.		
22	Supplying and fixing 30A, 415V, TPN Industrial type socket outlet with 4-pole and earth metal enclosed plug top along with 30A C-Curve TP MCB in sheet steel enclosure on surface or in recess with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc., as required	2	Nos.		
23	Supplying and fixing 63A, 415V, TPN Industrial type socket outlet with 4-pole and earth metal enclosed plug top along with 30A C-Curve TP MCB in sheet steel enclosure on surface or in recess with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc., as required	1	Nos.		
	Make: Crabtree/MK/L&T/Hagar/Legrand	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					