

Estimate cum Schedule of work.					
Name of work : Electrical renovation of room No.: R-103 and R-104, located in the ground floor of ERU Building 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.	36	No.		
	Group C (as per CPWD categorization)				
	Make: wire: Finolex, polycab, MES CAB, 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.	66	Metre.		
	Make: Polycab/Glost/KEI/Havells				
3	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. as required.	25	Metre.		
	Make: Polycab/Glost/KEI/Havells				
4	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	66	Metre.		
5	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 50 sq.mm clamped with 1 mm thick saddle)				
a)	3.5core X 50 sq.mm	25	Metre.		
6	Supplying & making end termination with brass compression gland and Aluminium lugs for following size of PVC insulated & PVC sheathed /XLPE insulated 'A' conductor power cable of 1.1 KV grade as required.				
a)	4 X 16 sq. mm.	10	Nos.		
b)	3.5 core X 50 sq.mm	2	Nos.		
7	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.	180	Metre.		
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.	100	Mtrs.		
b)	2X4 sq.mm.+1X4 sq.mm. earth wire.	500	Mtrs.		
c)	2X6 sq.mm.+1X6 sq.mm. earth wire.	125	Mtrs.		
d)	4X6 sq.mm.+2X6 sq.mm. earth wire.	70	Mtrs.		
e)	4X16 sq.mm.+2X6 sq.mm. earth wire.	20	Mtrs.		
	Make: wire: Finolex, polycab, MES CAB, KEI, Havells Conduit : Piazza/presto/AKG/ precession				

9	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.	5	No		
b)	8 way, Double door.	1	No		
c)	12 way, Double door.	1	No		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
10	Supplying & fixing of following ways surface /recess mounting vertical type , 415V, TPN MCB incoming , sheet steel, distribution board with both end cable entry box 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)	4 Way (4+12) Double door.	4	No.		
b)	8 Way (4+ 24) Double door.	1	No.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
11	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 Chacoal /coke, salt , as required.	3	Nos.		
12	Providing and fixing 25 mm X 5 mm GI strip (wrapped with PVC sleeve) on insulator surface for connections etc. as required.	40	Meter		
13	Providing and fixing 50 mm X 5mm copper strip on insulator surface for connections etc. as required.	1	Meter		
14	Supplying and fixing of single pole blanking plate in the existing DB complete etc. as required.	15	Nos.		
15	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)	6A single pole	15	Nos.		
b)	16A single pole	48	Nos.		
c)	20A Single Pole	15	Nos.		
d)	32A Single pole	18	Nos.		
e)	32A Double pole	15	Nos.		
f)	32A tripple pole	15	Nos.		
g)	32A Four Pole	8	Nos.		
h)	40A single pole	2	Nos.		
i)	40A Double pole	2	Nos.		
j)	63A tripple Pole	5	Nos.		
k)	63A four Pole	8	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				

16	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)	15	Nos.		
b)	3 Modules (100mmX75mm)	6	Nos.		
c)	8 Modules (125mmX125mm)	32	Nos.		
	Make: Crabtree/MK/L&T/Hagar/Legrand				
17	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.	36	Nos.		
b)	3 pin 5/6 A socket outlet	65	Nos.		
c)	15/16 Amp switch.	35	Nos.		
d)	6 pin 15/16 Amp socket outlet.	42	Nos.		
	Make: Crabtree/MK/L&T/Hagar/Legrand				
18	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.	8	Nos.		
	Make: Crabtree/MK/L&T/Hagar/Legrand				
19	Supplying, fixing, testing and commissioning of ceiling suspended downrod mounted 2 X 20W LED reflector type luminarie, cool day light (5400K), with lights of 4 feet length, frame and all accessories complete, as required.	36	Nos.		
	Make: Crompton/Phillips/bajaj/Havells/wipro				
20	Providing and fixing extra conduit downrod of 20mm 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	36	each		
21	Supply and fixing 32A 415V TPN industrial type socket outlet, with 4-pole and earth, metal enclosed plug top along with 32A 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.	5	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
22	Supply and fixing TP sheet steel enclosure on surface /recess along with 32 A, 415V C-curve TP MCB, complete with connections testing and commissioning etc. as required	12	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
23	Supplying of 300 mm sweep, 1400 RPM, 3 blade, single phase exhaust fan with all accessories.	3	No.		
	Make: Crompton/Phillips/bajaj/Havells/wipro				
24	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc .as required.				
a)	Upto 450 mm sweep.	3	Nos.		
25	Supplying and fixing of aluminium louvers/shutters complete with frame for a exhaust fan of 9 inches.	3	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:					
HSN/SAC code:					
<u>CGST@ 9% considered in the above BOQ</u>					
<u>SGST@ 9%Considered in the above BOQ</u>					