

Estimate cum Schedule of work.					
Name of work : Electrical renovation of room No.: R-204, located in the first floor of ERU Building and roof of Mayurakshi Hostel at 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, , Gloster, 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.	90	Metre.		
	Make: Polycab/Gloster/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.	50	Metre.		
	Make: Polycab/Gloster/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	90	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	50	Metre.		
6	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.	2	Nos.		
b)	3.5 core X 50 sq.mm	4	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.	250	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.	250	Mtrs.		
b)	2X4 sq.mm.+1X4 sq.mm. earth wire.	390	Mtrs.		
c)	2X6 sq.mm.+1X6 sq.mm. earth wire.	40	Mtrs.		
d)	4X6 sq.mm.+2X6 sq.mm. earth wire.	70	Mtrs.		
	Make: wire: Finolex, polycab, MESCAB, 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.	6	No		
b)	8 way, Double door.	3	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.				
b)	8 Way (4+ 24)Double door.	1	No.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
11	Supplying & fixing of following ways surface /recess mounting vertical type , 415V,TPN MCCB 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)	16 Way (4+64) Double door.	1	No.		
12	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.	4	Nos.		
13	Providing and fixing 25 mm X 5 mm GI strip (wrapped with PVC sleeve) on insulator surface for connections etc.as required.	120	Meter		
14	Proviing and fixing 50 mm X 5 mm GI strip on insulator surface for connections etc.as required.	1	Meter		
15	Supplying and fixing of single pole blanking plate in the existing DB complete etc.as required.	15	Nos.		
16	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	30	Nos.		
b)	16A single pole	42	Nos.		
C)	20A Single Pole	12	Nos.		
d)	32A Single pole	6	Nos.		
e)	32A Double pole	6	Nos.		
f)	32A tripple pole	7	Nos.		
g)	32A Four Pole	8	Nos.		
j)	63A tripple Pole	4	Nos.		
k)	63A four Pole	4	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
17	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)	18	Nos.		
b)	6 Modules (200 mmX 75 mm)	22	Nos.		
c)	8 Modules (125 mmX125 mm)	30	Nos.		
	Make: Crabtree/MK/L&T/Hagar/Legrand				

18	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.	32	Nos.		
b)	3 pin 5/6 A socket outlet	55	Nos.		
c)	15/16 Amp switch.	64	Nos.		
d)	6 pin 15/16 Amp socket outlet.	70	Nos.		
	Make: Crabtree/MK/L&T/Hagar/Legrand				
19	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				
20	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 temperature 5700K (cool day light).	32	Nos		
	Make: Crompton/Phillips/bajaj/Havells/wipro				
21	Supply and fixing of 12 W, B-22 pendent holder, yellow colour light (2400K), as per Havells ROJO serie or equivalent	14	Nos.		
22	Supply and fixing 32A 240V SPN industrial type socket outlet, with 2-pole and earth, metal enclosed plug top along with 32A C-Curve SP 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.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
23	Supplying & fixing of following rating, breaking capacity & pole MCCB with thermomagnetic release & terminal spreader in existing panel board including drilling holes in the panel , making connection etc. complete as required.				
a)	125A, 4 pole, 36 KA MCCB.	1	No.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
24	Supplying and fixing of 50 mm X 50 mm X 6 mm angle iron bracket, (average length 1.5 ft.) on wall surface with fastnut as required. (The angle iron must be painted with one coat of primer and two coats of enamel paint)	30	Nos		
25	Supply and fixing wall mounting revolving fan with 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	8	Nos.		
	Make: Crompton/Phillips/bajaj/Havells/wipro/Orient/Usha				
26	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	270	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