

Estimate cum schedule of work					
Name of Work: Electrical Renovation of Room No-11 in the Biological chemistry Building of IACS, Jadavpur					
Sl. 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)	10	No.		
	Make: wire: Finolex, polycab, KEI, Havells Conduit : Piazza/ presto /AKG/ precession				
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.				
	Make: wire: Finolex, polycab, KEI, Havells Conduit : Piazza/ presto /AKG / precession				
	a) 2 X 1.5 sq.mm. + 1 X 1.5 sq.mm. earth wire.	60	Mtrs.		
	b) 2 X 4 sq.mm. + 1 X 4 sq.mm. earth wire.	130	Mtrs.		
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)	3	Nos.		
	b) 6 Modules(100 mmX 75 mm)	8	Nos.		
	c) 8 Modules (125 mm x 125 mm)	4	Nos.		
	Make: Crabtree/MK/Legrand/L&T/Havells				
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.	8	Nos.		
	b) 3 pin 5/6 A socket outlet	12	Nos.		
	c) 15/16 Amp switch.	16	Nos.		
	d) 6 pin 15/16 Amp socket outlet.	18	Nos.		
	e) Telephone socket outlet	1	Nos.		
	Make: Crabtree/MK/Legrand/L&T/Havells				
5	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 200A tinned copper bus bar, common neutral link,earth bar,din bar, for mounting MCBs complete as required.				
	a) 8 Way (4+24)Double door.	1	No.		
	Make: Legrand/L&T/ABB/C&S/Havells				
6	Supplying and fixing following way, SPN sheet steel MCB distribution board 240V/415 V on surface /recess complete with tinned copper bus bar, neutran bus bar , earth bar, din bar, interconnections , powder painted including earthin et. as required (but with out MCB/Isolator)				
	6- Way double door	1	No.		

Sl. No	Description.	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
7	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	6	Nos.		
b)	16A single pole	12	Nos.		
c)	20A single pole	3	Nos.		
d)	32 A Triple pole	1	Nos.		
e)	32 A four pole	1	Nos.		
f)	63 A four pole	1	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells				
8	Supplying of following PVC sheathed/XLPE insulated armoured multistrand aluminium power cable of 1.1 KV grade as per IS : 7098 (part-1) 1988 etc. as required.				
a)	4 core X 10 sq.mm.	18	Metre		
b)	4 core X 16 sq.mm.	30	Metre		
9	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. Above 35 sq.mm & upto 95 sq.mm. (clamped with 25 mm 3 mm MS flat clamp)				
a)	4 core X 10 sq.mm.	18	Metre		
b)	4 core X 16 sq.mm.	30	Metre		
10	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 core X 10 sq.mm.	2	Each		
b)	4 core X 16 sq.mm.	2	Each		
11	Providing & Fixing of 4 mm dia bare copper wire on surface or in recess for loop earthing along with exisiting surface / recessed conduit / submain wiring / cable as required.	100	Metre		
12	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: Finolex/Delton/Nicco/netco				
13	Supplying and fixing of modular type 20A 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.		
14	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 temparature 5700K (cool day light).	8	Nos		
15	Supplying and fixing of 20A, 240V SPN industrial type socket outletwith two pole and earth, mertal enclosed plug top along with 20A C-Curve SPMCB in sheet steel enclosure on surface /recess with chained metal cover for the socket outlet and complete with connections testing and commissioning etc. as required.	1	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>					

[SGST@ 9%Considered in the above BOQ](#)