

Scope of work					
Name of the work: Electrical renovation for Room no.3, located in the main building of IACS, Jadavpur, Kolkata					
Sl.No	Description of Items.	Quantity	Unit	Rate	Amount
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.	7	No.		
	Group C (as per CPWD categorization)				
	Make: [Wire: Finolex/polycab/gloster/KEI] [Conduit: AKG/pesto plast /Plazza or any ISI mark make] [GI box: Crabtree/MK/L&T/Legrand/North-West/Hagar]				
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.				
a)	2X1.5 sq.mm.+1X1.5 sq.mm. earth wire.	60	meter		
b)	2X4 sq.mm.+1X4 sq.mm. earth wire.	125	meter		
c)	2X16 sq.mm.+1X6 sq.mm. earth wire.	35	meter		
d)	4 X 10 sq. mm.+ 2 X 6 sq.mm. earth wire.	26	meter		
	Make: Finolex/polycab/gloster/KEI				
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 module (75 mm X 75 mm)	8	Nos.		
b)	6 Modules (200 mm x 75 mm)	9	Nos.		
	Make: Crabtree/MK/L&T/Legrand/North-West/Hagar				
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	8	Nos.		
c)	15/16 Amp switch.	10	Nos.		
d)	6 pin 15/16 Amp socket outlet.	10	Nos.		
	Make: Crabtree/MK/L&T/Legrand/North-West/Hagar				
5	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connection but excluding modular plate etc.as required.	1	no.		

Sl.No.	Description of Items.	Quantity	Unit	Rate	Amount
6	Supplying & fixing of following ways surface /recess mounting vertical type,415V,TPN MCB distribution board of sheet steel, dust protected,duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link,earth bar,din bar, for mounting outgoing MCBs & incoming MCCB (but without MCBs and incomer MCCB)complete as required.				
a)	8 Way (4+24)Double door.	1	No.		
	Make: Legrand,ABB,L&T,Hager.				
7	Supplying and fixing of following rating,breakingcapacity,4 pole MCCB with thermomagnetic release & spreader in existing panel board including drilling holes in the panel making connection etc.complete as required.				
a)	100 A,4 pole,16kA,MCCB.	1	No.		
	Make: Legrand,ABB,L&T,Hager.				
8)	Supplying and fixing following way, single pole and neutral,sheet steel,MCB distribution board,240 V, on surface/recess,complete with tinned copper bus bar,neutral bar,earth bar,din bar,interconnections,power painted including earthing etc. as required.(But without MCB/RCCB/Isolator)				
a)	8 way, double door.	2	Nos.		
	Make: Legrand,ABB,L&T,Hager.				
9)	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)	6 A single pole	3	Nos.		
b)	10 A single pole	2	Nos.		
c)	16A single pole	5	Nos.		
d)	20A single pole	5	Nos.		
e)	32 A single pole	2	Nos.		
f)	63 A double pole.	2	Nos.		
g)	32 A triple pole	2	Nos.		
h)	63 A triple pole	3	Nos.		
	Make: Legrand,ABB,L&T,Hager.				
10	Supplying and fixing four pole sheet steel enclosure on surface / recess along with 32 A, 415 V,'C' curve 4 pole MCB complete with connections,testing and commissioning etc.as required.	2	Nos.		
	Make: Legrand,ABB,L&T,Hager.				
11	Supplying and fixing of single pole blanking plate in the existing DB complete etc.as required.	12	Nos.		
12)	Supplying of 3.5 core 50 sq.mm PVC sheathed/XLPE insulated armoured multistrand aluminium power cable of 1.1 KV grade as per IS : 7098 (part-1) 1988 etc. as required.	42	meter		
	Make: Polycab/Gloster/KEI/Havells				
13)	Supplying of 4 core 6 sq.mm PVC sheathed/XLPE insulated armoured multistrand aluminium power cable of 1.1 KV grade as per IS : 7098 (part-1) 1988 etc. as required.	15	meter		
	Make: polycab/Gloster/KEI/Havells				

Sl.No.	Description of Items.	Quantity	Unit	Rate	Amount
14	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 (clamped with 1 mm thick saddle)				
a)	3.5 core X 50 sq.mm	42	meter		
b)	4 X 6 sq mm	15	meter		
15	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade as required.				
a)	3.5 X 50 sq mm	2	Nos.		
b)	4 X 6 sq mm	4	Nos.		
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.	4	Nos.		
	Make: Crabtree/MK/L&T/Legrand/North-West/Hagar				
17	supplying and fixing of 25A shuttered socket on the existing modular plate & switch box including connections but excluding providing modular plate etc. as required.	4	Nos.		
	Make: Crabtree/MK/L&T/Legrand/North-West/Hagar				
18	Supplying & fixing of 25A, 3 pin plug top on the existing modular plate & switch box including connections but excluding modular plate etc. as required.	4	Nos.		
	Make: Crabtree/MK/L&T/Legrand/North-West/Hagar				
19	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/coke and salt as required.	2	Sets.		
20	Providing & fixing 25 mm X 5 mm copper strip in 40 mm dia GI pipe from earth electrode including connection with brass nut, bolt, spring washer, excavation and refilling etc., as required	45	meter		
21	Providing and fixing earth bus of 50 mm X 5 mm with insulator on wall surface for connections etc. as required.	0.5	meter		
22	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.	114	meter		
23	Supplying of industrial box type luminaire suitable for twin T8, PVC 18 Watts LED tube (As per Crompton Cat.ref. IGP132LT8-16) or equivalent model and make with LED tube.	5	Nos.		
	Make: Phillips/Crompton/Bajaj/Havells/Wipro				
			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:				
	SAC code:				
	CGST@.....6....% considered in the above BOQ				
	SGST@.....6....%Considered in the above BOQ				