

Schedule of work					
Name of work : Electrical renovation for Aneesur Rahaman Cluster room in the Main Building if IACS, Jadavpur, Kolkata.					
Item No.	Description.	Quantity.	Unit.	Rate. (Rs.)	Amount (Rs.).
1	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)	4X10 sq.mm.+2X6 sq.mm. earth wire.	35	Mtrs.		
b)	2X10 sq.mm.+1X6 sq.mm. earth wire.	45	Mtrs.		
c)	2X16 sq.mm.+1X6 sq.mm. earth wire.	50	Mtrs.		
d)	4X6 sq.mm.+2X6 sq.mm. earth wire.	45	Mtrs.		
e)	2X4 sq.mm.+1X4 sq.mm.earth wire.	45	Mtrs.		
f)	2X6 sq.mm.+1X6 sq.mm. earth wire.	25	Mtrs.		
	Make: Finolex/polycab/Gloster/Havells				
2	Supplying & making end termination with 'Cu' lugs for following size of PVC insulated & PVC sheathed /XLPE insulated 'Cu' conductor power cable of 1.1 KV grade as required.				
a)	4X10 sq.mm.+2X6 sq.mm. earth wire.	14	Nos.		
b)	2X10 sq.mm.+1X6 sq.mm. earth wire.	8	Nos.		
c)	2X16 sq.mm.+1X6 sq.mm. earth wire.	8	Nos.		
d)	4X6 sq.mm.+2X6 sq.mm. earth wire.	16	Nos.		
e)	2X4 sq.mm.+1X4 sq.mm.earth wire.	16	Nos.		
3	Supplying of 4 core 10 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/Havells				
4	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.	37	Metre.		
	Make: Polycab/Gloster/Havells				
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 35 sq.mm clamped with 1 mm thick saddle)				
a)	4 core X 10 sq.mm	90	Metre.		
b)	3.5 Core X 50 sq.mm.	37	Metre.		
6	Supplying & making end termination with brass compression gland and 'Al' lugs for following size of PVC insulated & PVC sheathed /XLPE insulated 'Al' conductor power cable of 1.1 KV grade as required.				
a)	4X 10 sq. mm.	10	Nos.		
b)	3.5 Core X 50 sq.mm.	4	Nos.		

Item No.	Description.	Quantity.	Unit.	Rate. (Rs.)	Amount (Rs.).
7	Providing & fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface recess conduit/submain wiring/ cable as required.	254	Metre.		
8	Supplying, laying, fixing & terminating of PVC insulated bright annealed bare copper conductor round sheathed multicore industrial cables (as per IS694:1990) for voltage grade upto 1100 V				
a)	3 Core X 4 sq.mm.	90	Metre.		
b)	3 core X 6 sq.mm.	40	Metre.		
c)	3 core X 10 sq.mm.	45	Metre.		
d)	4 core X 6 sq.mm.	50	Metre.		
9	Supplying and drawing of 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	36	Mtrs.		
	Make: NITCO/NICCO/Finolex/Delton				
10	Supplying and fixing of following size medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
a)	20 mm.	36	Mtrs.		
11	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)	10	Nos.		
	Make: Crabtree/Mk electric/Legrand/Hager				
12	Supplying and fixing of following modular switch/socket on existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a)	Telephone socket outlet.	1	No.		
13	Supplying and fixing of modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	4	Nos		
14	Supplying and fixing of modular type 25A AC starter switch with GI box to be recessed/surface in wall including connections but excluding providing modular plate etc. as required.	5	Nos.		
	Make: Crabtree/L&T/Legrand/MK				
15	supplying and fixing of 25 A shuttered socket on the existing modular plate & switch box including connections but excluding providing modular plate etc. as required.	5	Nos.		
	Make: Crabtree/L&T/Legrand/MK				

Item No.	Description.	Quantity.	Unit.	Rate. (Rs.)	Amount (Rs.).
16	Supplying and fixing of following ways surface/recess mounting vertical type 415 V, MCB distribution board of sheet steel, dust protected, duly power painted, inclusive of 200 A tinned copper busbar, common neutral link, earth bar, din bar for mounting MCBs (without MCBs and MCCB incomer) as required.				
a)	8 way (4 + 24) , double door.	1	Each		
	Make: Legrand/L&T/Hager/ABB				
17	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc as required.				
a)	125 A, 36KA, 4P MCCB.	1	Each		
	Make: Legrand/L&T/Hager/ABB				
18	Supplying & fixing of following rating 415 V, 10 KA 'C' curve MCB suitable for inductive load of following poles in the existing DB complete with connections testing and commissioning etc. as required.				
a)	32 A Three pole.	4	Each		
	Make: Legrand/L&T/Hager/ABB				
19	Supplying & fixing of following rating 240 V, 10 KA '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)	32 A Single Pole MCB.	12	Nos.		
b)	20 A single pole MCB.	6	Nos.		
	Make: Legrand/L&T/Hager/ABB				
20	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 bus bar, earth bar, din bar, interconnections, power painted including earthing etc. as required (but without MCB/RCCB/Isolator)				
a)	6 way, Double door.	5	Each		
	Make: Legrand/L&T/Hager/ABB				

Item No.	Description.	Quantity.	Unit.	Rate. (Rs.)	Amount (Rs.).
21	Supplying & fixing of following rating 415 V,10 KA 'C' curve MCB suitable for inductive load of following poles in the existing DB complete with connections, testing and commissioning etc. as required.				
a)	32 A four pole MCB	5	Nos		
	Make: Legrand/L&T/Hager/ABB				
22	Supplying & fixing single pole blanking plate in the existing MCB DB complete etc. as required.	20	Nos.		
23	Supplying and fixing of 32 A,240 V,SPN Industrial type socket outlet,with 2 pole and earth, metal enclosed plug top alongwith 32 A"C" curve, SP, MCB,in the sheet steel enclosure, on surface or recess, with chained metal cover for the socket outlet and complete with connections,testing and commissioning etc. as required.	8	Each		
	Make: Legrand/L&T/Hager/ABB				
24	Supplying and fixing surface/recess mounting "Cassette AC controller" consists of 40A, 3 phase AC-3 type power contactors (3 Nos)& analog type chronological "daily time switch"(2 Nos) alongwith all accessoris like MCBs, connectors & internal wiring in a sheet steel enclosure,dust protected,duly powder painted, as required.(The above noted AC controller should be capable to run two nos. of 5.5 Ton three phase ACs at a time while the other will be kept as stand by).	1	Set		
	Make: Legrand/L&T/Hager/ABB/Crabtree/MK				
25	Supplying & fixing surface / recess mounting "split AC controller" consists of single phase 25A, AC-3 type modular power contactors (3 Nos) and chronological "daily time switch" (2 Nos) along with all accessories like MCBs, connectors & control circuit wiring in a sheet steel enclosure,dust protected,duly powder painted complete as required.(The above noted AC controller should be capable to run two nos. of 2 Ton single phase ACs at a time while the other will be kept as stand by).	2	Set		
	Make: Legrand/L&T/Hager/ABB/Crabtree/MK				
26	Supplying and fixing of surface/recess mounting compartmentalized 415 V,MCB distribution board, made of 16 SWG thick sheet steel,dust protected,duly powder painted,inclusive of common 200 A tinned copper busbar(3 Nos.) & consists of the following : INCOMING : 63 A DP MCB - 4 Nos. OUTGOING : 32 A DP MCB - 6 Nos. all complete with Ammeter,voltmeter,LED indicator lamps, selector switches, fuses & internal wiring using FR PVC 'Cu' flexible wire properly terminated with "Cu' socket as required.	1	Set		
	Make: Legrand/L&T/Hager/ABB/Crabtree/MK				
	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@.....% considered in the above BOQ				
	SGST@.....%Considered in the above BOQ				