

Schedule of work					
Name of work: Electrical installation work for Room No.: M-222, ERU Building and RO plant					
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)	8	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)	2X1.5 sq.mm.+1X1.5 sq.mm. earth wire.	20	Mtrs.		
b)	2X4 sq.mm.+1X4 sq.mm. earth wire.	115	Mtrs.		
c)	4X6 sq.mm.+2X6 sq.mm. earth wire.	4	Mtrs.		
d)	2X16 sq.mm.+1X6 sq.mm earth wire.	4	Mtrs.		
e)	2X6 sq.mm. + 1X 6 sq.mm.	15	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.				
	Make: Crabtree/MK/Legrand/L&T/Havells				
a)	2 Modules (75mmX75mm)	3	Nos.		
b)	3 Modules(100 mmX 75 mm)	2	Nos.		
c)	6 Modules (200 mm x 75 mm)	7	Nos.		
4	Supplying and fixing of following modular switch/socket on existing modular plate & switch box including connections but excluding modular plate etc. as required.				
	Make: Crabtree/MK/Legrand/L&T/Havells				
a)	5/6 A switch.	2	Nos.		
b)	3 pin 5/6 A socket outlet	2	Nos.		
c)	15/16 Amp switch.	16	Nos.		
d)	6 pin 15/16 Amp socket outlet.	16	Nos.		
e)	Telephone socket outlet.	1	No.		
5	Supplying and fixing DP sheet steel enclosure on surface/recess along with 25/32 A, 240V, "C" curve DP MCB complete with connections,testing and commissioning etc.as required.	2	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				

6	Supplying & fixing of following ways surface /recess mounting vertical type,415V,TPN MCB incoming, sheet steel, distribution board of dust protected,duly powder painted, inclusive of 200A tinned copper bus bar, common neutral link,earth bar,din bar, for mounting MCBs(but without MCBs and incomer) complete as required.				
a)	4 Way (4+12)Double door.	2	No.		
b)	8 Way (4+24)Double door.	1	No.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
7	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	4	Nos.		
b)	12 way, Double door.	2	No		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
8	Supplying & fixing of following rating 240V, 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	20	Nos.		
c)	20A single pole	4	Nos.		
d)	32 A single pole	2	Nos.		
e)	32A Double pole	1	No.		
f)	32 A Triple pole	6	Nos.		
g)	32 A Triple pole & neutral	4	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
9	Supplying & fixing of following rating 415V 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)	63A Double pole	1	Nos.		
b)	63 A Four pole	4	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
10	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 16 sq.mm	200	Metre		
b)	3.5 core X 50 sq.mm.	65	Metre		
	Make: Polycab/gloster/KEI/Havells				
11	Laying & fixing of one no PVC insulated and PVC sheathed /XLPE power cable of 1.1 KV grade of following size on wall surface as required (upto 35 sq.mm clamped with 1 mm thick saddle)				
a)	4 core 16 sq.mm	200	Metre		
12	Laying & fixing of one no PVC insulated and PVC sheathed /XLPE power cable of 1.1 KV grade of following size on wall surface as required.(Above 35 sq.mm & upto 95 sq.mm. clamped with 25 mm 3 mm MS flat clamp)				
a)	3.5 core X 50 sq.mm.	65	Metre		
13	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 16 sq.mm	12	set		
b)	3.5 core X 50 sq.mm.	4	set		

14	Providing & Fixing of 4 mm dia bare copper wire on surface or in recess for loop earthing along with existing surface / recessed conduit / submain wiring / cable as required.	320	Metre		
15	Supplying and fixing of 20W LED lamp with E27 holder base, polycarbonate diffuser and aluminium heat sink. Colour temperature: 5000K-6500K	30	Nos		
	Make: Crompton/Phillips/bajaj/Havells/wipro				
16	Supply of single phase modular 25 A , AC-3 category power contactor with coil voltage: 220V	10	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
17	Supplying and fixing of 7W LED lamp with B22D holder base, polycarbonate diffuser and aluminium heat sink. Colour temperature 2700K. (As per Havells make ROJO serie yellow colour lamp or equivalent)	6	Nos.		
	Make: Crompton/Phillips/bajaj/Havells/wipro				
18	Supplying, fixing, testing and commissioning of wall mounted 20W, 4 feet, LED batten type luminarie, cool day light, with lights, frame and all accessories complete, as required.	2	Nos.		
	Make: Crompton/Phillips/bajaj/Havells/wipro				
19	Supplying and laying of PVC insulated & PVC sheathed flat 3 core X 4 Sq.mm submersible pump cable of 1.1 KV grade with EC grade annealed copper conductor, confirming to IS : 694.	100	Meter		
	Make: Polycab/gloster/KEI/Havells				
20	Supplying of 0.5 mm dia, 2 pair, annealed copper conductor, FR-PVC insulated unarmoured telephone cable. (90 m coil)	1	coil		
	Make : Finolex/Netco/Nicco/Delton.				
21	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.		
	Make: Crabtree/MK/Legrand/L&T/Havells				
22	Supplying and fixing of modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	12	Nos.		
23	Earthing with copper earth plate 600 mmX 600 mmX 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.	1	Set		
24	Providing and fixing 25 mm X 5 mm copper strip (wrapped with PVC sleeve) on insulator surface for connections etc.as required.	5	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:					
<u>CGST@ 9% considered in the above BOQ</u>					
<u>SGST@ 9% Considered in the above BOQ</u>					