

Schedule of work					
Name of Work: Electrical work for installation of MPMS system in CCRES Building and ARM system in CRAFT Building					
Sl. 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)	2X6 sq.mm.+ 1X6 sq.mm. earth wire.	12	Mtrs.		
b)	4X6 sq.mm.+ 2X6 sq.mm. earth wire.	25	Mtrs.		
c)	4X10 sq.mm.+ 2X6 sq.mm. earth wire.	20	Mtrs.		
d)	4X16 sq.mm.+2X6 sq.mm. earth wire.	55	Mtrs.		
	Make: wire: Finolex, polycab, KEI, Havells Conduit : Piazza/ presto /AKG / precession				
2	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)	4 Way (4+12)Double door.	2	No.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
3	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.				
a)	4 Way (4+12)Double door.	2	No.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
4	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.	2	No		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				

Sl. No.	Description.	Quantity	Unit	Rate(Rs.)	Amount (Rs.)
5	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)	20A single pole	6	Nos.		
b)	32 A Single Pole	3	No.		
c)	32 A Triple pole	2	Nos.		
d)	32 A Four Pole	2	Nos.		
e)	63 A triple pole	6	Nos.		
f)	63 A Four pole	2	Nos.		
g)	40 A triple pole	4	Nos.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
6	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)	160A, 4 pole,25 KA MCCB.	2	No.		
	Make: Legrand/L&T/ABB/C&S/Havells/Hagar				
7	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)	3.5 core X 50 sq.mm.	40	Metre		
b)	3.5 core X 70 sq.mm.	80	Metre		
8	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)	3.5 core X 50 sq.mm.	40	Metre		
b)	3.5 core X 70 sq.mm.	60	Metre		
9	Laying of one number PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required,but excluding sand cushioning and protective covering.				
a)	70 Sq.mm	20	Metre		

Sl. No.	Description.	Quantity	Unit	Rate(Rs.)	Amount (Rs.)
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)	3.5 core X 50 sq.mm.	2	Each		
b)	3.5 core X 70 sq.mm.	2	Each		
11	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.	240	Metre		
12	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.	2	Set		
13	Providing and fixing 25 mm X 5 mm copper strip (wrapped with PVC sleeve) on insulator surface for connections etc.as required.	85	Meter		
14	Providing and fixing 50 mm X 5mm copper strip on insulator surface for connections etc.as required.	1	Meter		
15	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend couplers etc. conforming to IS 14930, part II complete with fitting and cutting, jointing etc in the existing trench, complete as required. (This job includes cutting the road and making good the same with M25 concrete).				
a)	90 mm dia (OD - 90 mm & ID - 76 mm.)	20	Metre		
16	Supply, installation, testing & Commissioning of following capacity TPN Tap off box made of 1.6 mm thick, sheet steel enclosure, duly painted with powder coating on the existing rising mains complete with TPN disconnecter, FSU and HRC Fuses , connections, earthing, etc. , as required.				
a)	200A TPN	1	Each		
	<u>Make:</u> C&S				
			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>					