

PRICE BID

<p align="center">Estimate for Electrical, Data & Network cabling and Air conditioning work for recently hired additional space at 1st, 2nd, 3rd and 4th Floor and MTNL Building, Belapur.</p>					
<p align="center">GROUP-A</p>					
S.N.	Particulars	Qty.	UO M	Rate (in Rs.)	Amount (in Rs.)
1	PANELS & D.B.S				
	Main Panel DB				
1	Main Panel:- SITC of floor mounted cubicle type electrical panel with : (I)Incoming :- 200Amp, 36KA, 4pole MCCB- 1 no. fixed thermal and fixed magnetic setting. (II) Busbar with 4nos. 25X05 mm Copper Strip. (III) Digital AVF meter- 1no. (IV)CT-1 set, 0-200A (or as per requirement) (V) Phase Indication LED Lamp 3 nos.(R,Y,B) LED type (VI)Outgoing:- 63A TPN MCB- 7, 40A TPN MCB- 05	2	set		
2	UPS OUTPUT VTPNDB				
	Incomer: 1 No., 160Amps Four Pole, Thermo Magnetic based Moulded Case Circuit based of approved make with built in E/F, O/C, S/C releases .and as per the specifications given in Technical Specification. The Breaker shall be suitable for 415 Volts 50 Hz., AC supply. The breaker shall have breaking capacity of 25 KA for 1 Sec Out goings :- 4 Nos., of 63Amps., Four Pole Miniture Circuit Breaker The MCB shall be suitable for 415 Volts 50 Hz., AC supply & fault level should be 16 KA. The MCB shall be "D" Curve.	2	set		
3	Lighting Distribution Board - 8 WAY				
	Comprising of : Incoming of 40 A TPN MCB - 1 No. Phase indicating lamps Outgoing 32 Amp, DP 30 mA RCCB – 3 Nos. 6 A SP MCB - 8 Nos. per phase Total-24 Nos.	3	set		
4	Power Distribution Board - 8 WAY				
	Comprising of : Incoming of 63 A TPN MCB - 1 No. Phase indicating lamps Outgoing – 32 Amp, DP 30 mA RCCB – 3 Nos. 16A SP MCB - 8 Nos. per phase Total-24 Nos.	3	set		
5	UPS Distribution Board - 8 WAY				
	Comprising of : Incoming of 63 A TPN MCB - 1 No. Phase indicating lamps Outgoing – 32 Amp, DP 10KA MCB – 3 Nos. 16A SP MCB - 8 Nos. per phase Total-24 Nos.	2	set		

6	8WAY SPN				
	Comprising of : Incoming of 20 A DP MCB - 1 No. Outgoing – 10 A SP MCB - 8 Nos.	3	set		
7	63 A 4P MCB With MS Enclosure AC points	6	Nos		
SUB TOTAL OF PART I:					
II	CABLES				
	Supply, Installation of 1100 V Grade XLPE insulated, FRLS , flat steel GI wires armoring, tough heat resisting outer sheets multicore Aluminum/copper Stranded conductor, Cable of following sizes to be laid in prepared trenches/ excavated trenches/ on wall / on trays complete with dressing saddling clamping etc. Including civil work and required accessories spacers, clamps and hardware etc all complete as required and as per the final direction of Electrical in charge.				
8	3.5 Core x 150sq.mm., XLPE Insulated Aluminium Conductor Armoured Cable	80	Mtrs		
9	3.5 Core x 70 sq.mm., XLPE Insulated Aluminium Conductor Armoured Cable	110	Mtrs		
10	3.5 Core x 35 sq.mm., XLPE Insulated Aluminium Conductor Armoured Cable	150	Mtrs		
11	1 Core x 50 sq.mm., PVC Insulated Copper Conductor Flexible Cable	150	Mtrs		
12	4 Core x 16 sq.mm., XLPE Insulated copper Conductor Armoured Cable	150	Mtrs		
13	4 Core x 10 sq.mm., XLPE Insulated copper Conductor Armoured Cable	140	Mtrs		
14	3 Core x 4 sq.mm., XLPE Insulated copper Conductor Armoured Cable	250	Mtrs		
	Termination of cables with double compression Brass cable gland including gland earthing and with crimping type copper lugs suitable for copper conductor cable with consumable such as tape, hard ware all complete as required and as per the final direction and the approval of the Consultants.				
15	3.5 Core x 150sq.mm., XLPE Insulated Aluminium Conductor Armoured Cable	2	Nos		
16	3.5 Core x 70 sq.mm., XLPE Insulated Aluminium Conductor Armoured Cable	4	Nos		
17	3.5 Core x 35 sq.mm., XLPE Insulated Aluminium Conductor Armoured Cable	4	Nos		
18	1 Core x 50 sq.mm., PVC Insulated Copper Conductor Flexible Cable	20	Nos		
19	4 Core x 16 sq.mm., XLPE Insulated copper Conductor Armoured Cable	8	Nos		
20	4 Core x 10 sq.mm., XLPE Insulated copper Conductor Armoured Cable	12	Nos		
21	3 Core x 4 sq.mm., XLPE Insulated copper Conductor Armoured Cable	8	Nos		
SUB TOTAL OF PART II:					

III	LIGHT POINT WIRING			
	Concealed points wiring for light, fan, 6A socket switch point, using ISI marked rigid MS 16 SWG 25 mm dia. Conduit along with PVC conduit accessories, boxes, switches, regulators, sockets, plug top, mounting plates, hardware, ceiling rose, holders, ball socket, anchor hooks, PVC. clamps etc. Wiring through PVC conduit including termination.			
	2 Nos. of 2.5 mm ² copper conductor PVC wire for phase, neutral and 1.5 mm ² copper conductor PVC wire for earthing will be used for-			
	Primary Point includes conduiting and wiring from LDB to Switch Board, Switch Board to looped Switch Board and Switch Board to first point measured as one Primary point.			
	3 Nos. of 1.5 mm ² copper conductor PVC wire for phase, neutral and earthing will be used for-			
	wiring from primary point to looped point said as Secondary Point			
	Point wiring will be done as per IE rules all complete as required and as per the final direction and the approval of the Consultants.			
22	Primary Light point WITH MCB CONTROL all complete as required and as per the final direction and the approval of the Consultants.	20	Nos	
23	Primary Light point WITH SWITCH CONTROL all complete as required and as per the final direction and the approval of the Consultants.	80	Nos	
24	Secondary Light point looped from above mentioned Primary Light point with distance over 1 meter all complete as required and as per the final direction and the approval of the Consultants.	180	Nos	
25	6 A switch and 6A socket mounted on switchboard along with lighting switches all complete as required and as per the final direction and the approval of the Consultants.	40	Nos	
	RAW POWER WIRING			
	Providing concealed 6/16A Switch Socket + 16A switch Power Point comprising of -			
26	1 No. of 16A/6A socket & 1 No.16A switch in M. S. Box Conducting from J.B. of RAW Power Raceway embedded in floor to point as directed through wall/partition, by 25 mm ISI marked 2.0 mm Wall thickness PVC Conduit, conduit accessories, plated MS pull boxes Maximum Two Nos. of Power points to be looped and will be measured as Two separate points all complete as required and as per the final direction and the approval of the Consultants.	40	Nos	
27	Providing concealed 6A switch sockets Power Point comprising of - (WORKSTATION POINT)	250	Nos	
	UPS POWER WIRING			
	Concealed 6/16 Amps Universal Sockets 2 Nos and 1 No 16A switch combined power point as UPS Point.			

	Providing concealed UPS Point comprising of –3 Nos. of 6 A Universal Socket & 1 No.16A switch.				
	Conduiting from J. B. of UPS Power Raceway embedded in floor to point as directed through wall/partition, by 25 mm ISI marked PVC conduit, conduit accessories, plated MS pull boxes.				
	Wiring by 3 Core 2.5 Sq. mm. copper conductor PVC insulated and overall PVC sheathed multicore flexible Black color cable through PVC conduit and raceway including termination.				
	Cost of providing raceways will be covered in separate item mentioned elsewhere.				
28	Maximum four Nos. of UPS points to be looped and will be measured as Four separate points. However, location such as Three / Two UPS points are together then one circuit for Three UPS points respectively to be used.	250	Nos		
29	Supply, Installation of testing and commissioning of POPUP BOX CONTAINS 2 UPS SOCKET 6A /16A +1 SWITCH+ 2 DATA + 1VOICE FOR MEETING ROOM TABLE BRUSH STAINLESS STEEL FINISH	8	Nos		
SUB TOTAL OF PART III:					
IV	RACEWAYS				
Providing raceways in the floor comprising rectangular aluminum extruded tubes with cover plate including with cover plate chasing of floor and tiles, cleaning wherever necessary, fixing the raceways, minor civil work with providing sealing at joints at junction boxes and proper alignment, vacuum cleaning and connection of following sizes. Job includes Chiseling of pcc if required for laying of data/voice/power conduit & throwing the debris outside the builder premises all complete as required and as per the final direction and the approval of the Consultants.					
30	300 x 40mm x2mm thick Al Raceway	50	Mtrs		
31	100 x 40mm x2mm thick Al Raceway	125	Mtrs		
32	40 x 40mm x2mm thick Al Raceway	120	Mtrs		
33	Providing 25 mm PVC ISI marked Rigid conduit for with accessories.	300	Mtrs		
34	Providing 25 mm PVC ISI marked Flexible conduit for with accessories.	200	Mtrs		
Providing junction boxes for aforesaid raceways fabricated out of ms sheet steel, powder coated, having following sizes made out of 2 mm thick crca sheet, 50 mm deep, with cut outs for raceways and SS grade 364 grade cover plate duly chamfered. Cover plate of the junction box will be flush with top of cement screed floor all complete as required and as per the final direction and the approval of the Consultants. 0					
35	Junction Box of size 300 mm x 200 mm.x 50mm	60	Nos		
36	Junction Box of size 250 mm x 250 mm.x 50mm	70	Nos		
37	Junction Box of size 260 mm x 260 mm.x 50mm	25	Nos		
SUB TOTAL OF PART IV:					
V	EARTHING				
38	Providing new ground ert pit with GI pipe 2" X 2" ert chamber complete set	2	Nos		
39	Providing single core 16 mm ² copper conductor PVC FRLS insulated PVC sheathed cable in PVC conduit with Termination all complete as required and as per the final direction and the approval of the Consultants.	125	Mtrs		

40	Providing copper earth Busbar of size 450 mm x 50 mm x 4 mm mounted on insulators having holes on it with termination arrangement, nut bolts etc. Fitted in ms junction box with acrylic cover all complete as required and as per the fianl direction and the approval of the Consultants.	2	Nos		
41	Providing 25 mm x 3 mm GI earthing flat all complete as required and as per the fianl direction and the approval of the Consultants.	10	Mtrs		
42	Providing 1C X 6 Sq.mm copper earthing wire all complete as required and as per the fianl direction and the approval of the Consultants.	200	Mtrs		
SUB TOTAL OF PART V:					
VI	MISCELLENEOUS ITEMS				
43	Providing Structural fabrication for Cable Tray supports made out of 40 x 40 x 3mm angle, plate, Anchor fasteners etc in wall/ceiling including supply of steel, cutting, welding, drilling, erecting at site including consumables like welding rods, gas drill bits etc. Job also includes for minor civil work, duly Painted with two coats of Red oxide and two coats of Synthetic enamel paint of grade 631 all complete as required and as per the fianl direction and the approval of the	60	Kg		
44	Providing 300mm x 50mm x 2mm Hot Dip Galvanized Perforated Cable with removable cover of 1.6 mm. Job includes providing cable Raceway and it's supports / hangers installation. Fully threaded GI bolts will be installed on two numbers of 10mm (3/8") x 75mm Anchor Fasteners. MS angle of 25 mm x 25mm x 6mm will be mounted to these hangers by check nuts and spring washers, on which cable trays will be provided. Hangers will be installed as per site condition but not over than 1 Mtr all complete as required and as per the	80	Mtrs		
SUB TOTAL OF PART VI:					
Summary (Grp.A)					
Grp.- A	I. PANELS & D.B.S				
	II. CABLES				
	III. LIGHT POINT WIRING				
	IV. RACEWAYS				
	V. EARTHING				
	VI. MISCELLENEOUS ITEMS				
	Total of Grp.-A				

GROUP-B					
VII	LIGHTS & FIXTURES				
45	Supply and fixing hanging type 2"X2" LED light fitting	55	Nos		
46	Supply and fixing 18/15/10W LED spot light	100	Nos		
SUB TOTAL OF PART VII:					
	Total of Grp.-B				

GROUP-C					
VIII LAN & DATA CABLING WORKS					
A. Supply of the following LAN cabling material for 180 Workstations(D-Link,Digilink ,Molex or equivalente)					
Sr.No.	Particulars	Qty.	Units	Rate	Amount
1	Supply and installation of UTP Cat-6 Cable	Mtrs	7200		
2	Supply and installation of Information Outlet	Nos	180		
3	Supply and installation of 2 M. Patch Cords Cat-6	Nos	180		
4	Supply and installation of 3 M. Patch Cords Cat-6	Nos	180		
5	Supply and installation of One module Surface boxes	Nos	180		
6	Supply and installation of Single Face Plate	Nos	180		
7	Supply and installation of 1â€ PVC CONDUIT Pipe	Mtrs	700		
8	Supply and installation of Casing Patti	Mtrs	300		
9	Supply and installation of 24 Port Jack Panel Cat-6	Nos	8		
B Supply of the following Telephone cabling material for 90 Intercoms (Finolex, Polycab ,Delton equivalent)					
1	Supply and laying of Cat 5 (Four pair) Cable	Mtrs	3600		
2	Supply and termination of Telephone Faceplates	Nos	90		
3	Supply and termination of Mount Boxes	Nos	90		
4	Supply and termination of face plate	Nos	90		
5	Supply and installation of Casing Patti	Mtrs	90		
6	SITC MDF 50 Pair with termination, Punching, labelling etc	Nos	3		
7	Supply and installation of 10 Pair Krone Modules	Nos	19		
C Installation and Commissioning Charges					
1	Laying of UTP Cat-6 Cable	Mtrs	7200		



2	Termination of Information Outlet with Face Plate Fixing	Nos	180		
3	Termination of 24 Port Jack Panel Cat-6	Nos	8		
4	Laying of 1" PVC CONDUIT Pipe	Mtrs	700		
5	Casing Patti fixing Charges	Mtrs	300		
6	UTP Points (IOs) Testing with Labelling	Nos	180		
D Supply of Network Racks (VALRACK or equivalent)					
1	Supply of 9 U Rack with accessories, 800x800(Power Supply Strip,Dual Power Strip)	Nos	2		
2	Supply of 1 u Cable Manager Rack Mount	Nos	8		
TOTAL					
Total of Grp. -C					

SUMMARY



Total Cost of Electrical work		
Grp	Item Description	Amount (In Rs.)
A	SITC of Electrical Items (Excluding GST)	
B	LIGHTS & FIXTURES (Excluding GST)	
C	Data & Data cabling, network switch and racks etc (Excluding GST)	
	SUB TOTAL (A+B+C) Excluding GST	
D	Applicable GST	
	TOTAL (A+B+C+D) with GST	