

PRICE BID-ELECTRICAL

Estimate for Electrical, Data & Network cabling and Air conditioning work for recently hired additional space at 4th Floor and MTNL Building, Belapur.

GROUP-A

S.N.	Particulars	Qty.	UOM	Rate (in Rs.)	Amount (in Rs.)
I	PANELS & D.B.S				
	Main Panel DB	0	0	0	0
2	UPS OUTPUT VTPN DB				
	Incomer: 1 No., 160 Amps 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 63 Amps., Four Pole Miniature 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.	1	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	63 A 4P MCB With MS Enclosure AC points	2	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.				
5	3.5 Core x 35 sq.mm., XLPE Insulated Aluminium Conductor Armoured Cable	60	Mtrs		
6	4 Core x 10 sq.mm., XLPE Insulated copper Conductor Armoured Cable	45	Mtrs		
7	3 Core x 4 sq.mm., XLPE Insulated copper Conductor Armoured Cable	40	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.				
8	3.5 Core x 35 sq.mm., XLPE Insulated Aluminium Conductor Armoured Cable	8	Nos		
9	4 Core x 10 sq.mm., XLPE Insulated copper Conductor Armoured Cable	6	Nos		
10	3 Core x 4 sq.mm., XLPE Insulated copper Conductor Armoured Cable	4	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.			
11	Primary Light point WITH SWITCH CONTROL all complete as required and as per the final direction and the approval of the Consultants.	20	Nos	
12	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.	25	Nos	
13	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.	4	Nos	
	RAW POWER WIRING			
	Providing concealed 6/16A Switch Socket + 16A switch Power Point comprising of –			
14	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.	4	Nos	
15	Providing concealed 6A switch sockets Power Point comprising of - (WORKSTATION POINT)	85	Nos	
	UPS POWER WIRING			
	Concealed 6/16 Amps Universal Sockets 2 Nos and 1 No 16A switch combined power point as UPS Point.			

16	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. 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.	85	Nos		
17	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	2	Nos		
SUB TOTAL OF PART III:					
IV	RACEWAYS				
Providing raceways in the floor comprising rectangular aluminium 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.					
18	100 x 40mm x2mm thick Al Raceway	65	Mtrs		
19	40 x 40mm x2mm thick Al Raceway	60	Mtrs		
20	Providing 25 mm PVC ISI marked Rigid conduit for with accessories.	150	Mtrs		
21	Providing 25 mm PVC ISI marked Flexible conduit for with accessories.	100	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 304 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					
22	Junction Box of size 300 mm x 200 mm.x 50mm	6	Nos		
23	Junction Box of size 250 mm x 250 mm.x 50mm	10	Nos		
24	Junction Box of size 260 mm x 260 mm.x 50mm	4	Nos		
SUB TOTAL OF PART IV:					
V	EARTHING				
25	Providing single core 16 mm² 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.	0	Mtrs		
26	Providing 1C X 6 Sq.mm copper earthing wire all complete as required and as per the final direction and the approval of the Consultants.	90	Mtrs		
SUB TOTAL OF PART V:					



Summary (Grp.A)		
Grp.- A	I. PANELS & D.B.S	
	II. CABLES	
	III. LIGHT POINT WIRING	
	IV. RACEWAYS	
	V. EARTHING	
	Total of Grp.-A	

GROUP-B					
VII	LIGHTS & FIXTURES				
27	Supply and fixing LED Solid Circular hanging profile light, cool White, 600 mm diameter, 42 Watt. • LED Solid Circular Hanging Profile Light • Built-In High-Quality Power LED driver with High Power Factor >0.97 (True Rated Power Consumption), Tube light • Body Color: Black • Color Temperature: 6500K, • Intense Lighting Performance • Elegant and Unique Design - can be hung from the ceiling with the help of suspenders • Slim construction for wider applications, long life LED light source. • 5 Year Warranty. • Aluminium profile light in black body Available in 2 Ft, dia • 3 Ft high-grade adjustable hanging SS wire included Perfect for commercial usages.	15	Nos		
28	• Supply and fixing 18 watt Round recessed LED panel light : • 18 W white (6500k, Round Recessed led Panel Downlights/ • Slim 25-40 mm profile, spring clip foe easy, screw free installation • Color Temperature: 6500K, • i/p voltage: AC 85V to 265V or 240V • PF >0.9 FOR Energy efficiency • Housing Material Poly carbonate or Powder coated Aluminium • Cutou 150 mm to 180 mm • 5 Year Warranty.	25	Nos		
29	• Supply and fixing 1x40W LED 4 feet length, linear profile, Cool White light sets. • LED Linear Hanging Profile Light • Built-In High-Quality Power LED driver with High Power Factor >0.97 (True Rated Power Consumption), • Profile light Intense Lighting Performance Elegant and Unique Design - can be hung from the ceiling with the help of suspenders • Color Temperature: 6500K, • Slim construction for wider applications, long life LED light source. • 5 Years Warranty • Easy to Install Aluminium profile light in black body. • Available in 4Ft.	10	Nos		



	• 3 Ft high-grade adjustable hanging SS wire included Perfect for commercial usages. •				
SUB TOTAL OF PART VII:					
	Total of Grp.-B				

GROUP-C					
VIII LAN & DATA CABLING WORKS					
I. Supply of the following LAN cabling material for 180 Workstations (D-Link, Digilink, Molex or equivalent)					
Sr.No	Particulars	Qty.	Units	Rate	Amount
1	Supply and installation of UTP Cat-6 Cable	Mtrs	3680		
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 Casing Patti	Mtrs	300		
8	Supply and installation of 24 Port Jack Panel Cat-6	Nos	8		
II. 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	300		
2	Supply and installation of Information Outlet	Nos	12		
3	Supply and termination of Mount Boxes	Nos	12		
4	Supply and termination of face plate	Nos	12		
5	Supply and installation of Casing Patti	Mtrs	90		
6	SITC MDF 50 Pair with terminatuion, Punching, labelling etc	Nos	1		
7	Supply and installation of 10 Pair Krone Modules	Nos	2		
III. Installation and Commissioning Charges					
1	Laying of UTP Cat-6 Cable	Mtrs	3680		
2	Termination of Information Outlet with Face Plate Fixing	Nos	180		
3	Termination of 24 Port Jack Panel Cat-6	Nos	8		
4	Laying charges cat-5	Mtrs	300		
5	Casing Patti fixing Charges	Mtrs	300		
6	UTP Points (IOs) Testing with Labelling	Nos	180		
IV. Supply of Network Racks (VALRACK or equivalent)					
1	Supply of 27 U Rack with accessories, 800x800(Power Supply Strip,Dual Power Strip)	Nos	1		
2	Supply of 1 u Cable Manager Rack Mount	Nos	8		
3	Supplying of PVC conduit pipe	Mtr.	100		
4	Laying of PVC conduit pipe	Mtr.	100		
5	OLA Rack to new Rack UTP Uplink cabling	Mtr.	800		
6	Supply of HDMI cable 15 mtrs.	Nos	2		
	TOTAL				
	Total of Grp. -C				

SUMMARY

Total Cost of Electrical installations		
Group	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	

PREAMBLE:

TO BE READ ALONG WITH DRAWINGS.

1. RATES TO BE QUOTED BOTH IN FIGURES AND WORDS.
2. ALL PAGES TO BE SIGNED AND STAMPED BY THE TENDERER.
3. THE RATE OF THE ITEMS SHALL BE APPLICABLE FOR ANY FLOOR LEVEL/ ANY NUMBER OF FLOORS, OR ANY QUANTITY.
4. THE SPECIFICATION OF THE ITEMS SHALL BE AS PER LATEST INDIAN STANDARD CODES UNLESS OTHERWISE SPECIFIED.
5. ALL MATERIALS SHALL BE AS PER APPROVED LIST AND SHOULD BE OF 1st QUALITY UNLESS OTHERWISE SPECIFIED.
6. THE RATES ARE INCLUSIVE OF ALL DUTIES AND TAXES (EXCEPT GST) OF ALL GOVERNMENT, MUNICIPAL OR ANY OTHER STATUTORY BODY APPLICABLE FROM TIME TO TIME.
7. RATES SHALL BE FOR ITEMS COMPLETE IN ALL RESPECTS AS PER DRAWING, INSTRUCTIONS AND APPROVAL OF THE ARCHITECT/ BANK'S ENGINEER.
8. THE QUANTITIES ARE APPROXIMATE AND TENTATIVE WHICH MAY VARY DURING COURSE OF EXECUTION. THE RATES QUOTED AGAINST PARTICULAR ITEM SHALL NOT BE CHANGED WITH VARIATION IN QUANTITIES.
9. MAKING OF ANY CUTOUT / OPENING FOR ELECTRICAL / AIR – CONDITIONING WIRING / FITTING IN ANY OF THE ITEM OF FALSE CEILING, PARTITIONS, PANELING MASONRY WORK ETC. AND FINISHING EDGES JAMBS / CILLS / SOFFITS OF THE OPENING SHALL NOT BE PAID EXTRA.
10. THE TENDERER SHALL VISIT THE SITE AND SHALL SATISFY HIMSELF AS TO CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. HE SHALL ALSO

CHECK, ASCERTAIN THE LOCATIONS OF ANY EXISTING STRUCTURES OR EQUIPMENT OR ANY OTHER SITUATION WHICH MAY AFFECT THE WORK. NO EXTRA CLAIM AS A CONSEQUENCE OF IGNORANCE OR ON GROUND OF INSUFFICIENT DESCRIPTION WILL BE ALLOWED AT A LATER DATE.

11. THE QUOTED PRICE FOR ITEMS SHALL INCLUDE ALL ACCESSORIES, CONSUMMABLES ETC. AS REQUIRED TO MAKE THE ITEM COMPLETE IN ALL RESPECTS, COMPATIBLE WITH OTHER RELATED / ASSOCIATED ITEMS AND FULLY FUNCTIONAL.
12. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY ERROR, DIFFICULTY IN EXECUTION / DAMAGES INCURRED OWING TO DISCREPANCY IN DRAWINGS WHICH HAS BEEN OVERLOOKED BY HIM AND HAS NOT BEEN BROUGHT TO THE NOTICE OF THE ARCHITECT.
13. THERE ARE NUMBER OF ITEMS GIVEN IN THE TENDER WHERE IN BASIC RATES INCLUDING ALL TAXES EXPECTED HAS BEEN MENTIONED IN THE TENDER. THESE ITEMS SHALL BE PURCHASED BY THE CONTRACTOR FROM THE MARKET ONLY AFTER THE APPROVAL OF QUALITY AND RATES BY THE ARCHITECT.
14. ALL HIDDEN SURFACES OF BOARD / PLY / WOOD WORK TO BE PAINTED WITH ANTI BACTERIAL PAINT FROM NAV AIR INTERNATIONAL FR 881 (VIPER) (WHITE COLOUR AS PER MANUFACTURER'S SPECIFICATIONS ON WOOD / BOARD).
15. CONTRACTOR SHALL APPOINT TECHNICALLY QUALIFIED FULL TIME SITE SUPERVISOR TO MONITORING THE DAY-TO-DAY PROGRESS OF WORK AT SITE ON THEIR OWN COST.

AGREED AND ACCEPTED ALL THE TERMS & CONDITIONS.

SIGNATURE OF CONTRACTOR

DATE:

SEAL: