

PROJECT NAME- PROPOSED ELECTRICAL WORK OF SBI BRANCH AT 9TH FLOOR MAKER TOWER-F, MAKER ARCADE, CHAMUNDESHWARI NAGAR, CUFFE PARADE, MUMBAI, MAHARASHTRA- 400005					
WORK NAME- ELECTRICAL BOQ					
SR.NO	DESCRIPTION	QTY	UNIT	RATE	TOTAL AMOUNT
1.0	DISTRIBUTION BOARD & ENCLOSURE				
1	Supply, installation, testing & Commissioning of VTPN DB - MAIN DB (FOR LIGHTING DB , RAW POWER DB, & HVAC DB) The D.B. shall be readymade type with IP 43 protection(With Metal Door). 12 Way VTPN DB InComer 160 A FP MCCB 16KA - 01 No Outgoing 63 A TP MCB 10 KA B CURVE-03 Nos 40 A TP MCB 10 KA B CURVE-04 Nos 32 A TP MCB 10 KA B CURVE-02 Nos 25 A DP MCB 10 KA B CURVE-03 Nos	1	Nos	85,000.00	85,000.00
2	Supply, installation, testing & Commissioning of RAW POWER DB The D.B. shall be readymade type with IP 43 protection(With Metal Door). 6 Way ETPN DB InComer 40 A FP MCB-01 No Outgoing 10A SP MCB 10 KA C CURVE-18 Nos	2	Nos	22,000.00	44,000.00
3	Supply, installation, testing & Commissioning of UPS POWER DB The D.B. shall be readymade type with IP 43 protection(With Metal Door). 4 Way ETPN DB InComer 40 A FP MCB-01 No Outgoing 10A SP MCB 10 KA C CURVE-12 Nos	2	Nos	20,000.00	40,000.00
4	Supply, installation, testing & Commissioning of HVAC DB The D.B. shall be readymade type with IP 43 protection (With Metal Door). 6 Way ETPN DB InComer 40 A FP MCB-01 No Outgoing 10A SP MCB 10 KA C CURVE-18 Nos	1	Nos	22,000.00	22,000.00
5	Supply, installation, testing & Commissioning of HVAC DB The D.B. shall be readymade type with IP 43 protection (With Metal Door). 4 Way ETPN DB InComer 40 A FP MCB-01 No Outgoing 10A SP MCB 10 KA C CURVE-12 Nos	1	Nos	18,000.00	18,000.00
6	Supply, installation, testing & Commissioning of LIGHTING DB The D.B. shall be readymade type with IP 43 protection (With Metal Door). 8 Way SPN DB InComer 25A DP RCBO 30 mA-01 No Outgoing 10A SP MCB 10 KA B CURVE-06 Nos	2	Nos	15,000.00	30,000.00
7	Supply, installation, testing & Commissioning of EMERGENCY LIGHTING DB The D.B. shall be readymade type with IP 43 protection (With Metal Door). 8 Way SPN DB InComer 25A DP RCBO 30 mA-01 No Outgoing 10A SP MCB 10 KA B CURVE-06 Nos	2	Nos	15,000.00	30,000.00
8	Supply, installation, testing & Commissioning of NETWORK RACK DB The D.B. shall be readymade type with IP 43 protection (With Metal Door). 6 Way SPN DB InComer 32A DP RCBO 30 mA-01 No Outgoing 20A SP MCB 10 KA C CURVE-04 Nos	1	Nos	18,000.00	18,000.00
9	Supply, installation, testing & Commissioning of UPS OUTPUT DB The D.B. shall be readymade type with IP 43 protection (With Metal Door). 4 Way ETPN DB InComer 63 A FP MCB-01 No Outgoing 40A TP MCB 10 KA C CURVE-2 Nos 32A DP MCB 10 KA C CURVE-1 Nos 25A DP MCB 10 KA C CURVE-2 Nos	1	Nos	35,000.00	35,000.00
10	Supply, installation, testing & Commissioning of UPS INPUT 63A FP MCB SWITCHGEAR WITH ENCLOSURE The Enclosure Box shall be readymade type with IP 43 protection (With Metal Door).	1	Nos	₹ 8,000.00	8,000.00
11	Supply, installation, testing & Commissioning of 63A FP RCCB SWITCHGEAR WITH ENCLOSURE BOX-FOR # The Enclosure Box shall be readymade type with IP 63 protection (With Metal Door).	2	Nos	₹ 10,000.00	20,000.00
2.0	LT CABLES & END TERMINATION				
A	Supply, Laying, testing & commissioning of the following 1100V PVC sheathed and armoured XLPE insulated cables as per IS :7098 Part-1 (XLPE) IS: 1854 (FRLS PVC) & specifications: General Notes: i. Necessary cable tags to be provided on both end of each cable. ii. Gland earthing should be part of cable termination. iii. Exposed ceiling shall have danger boards of suitable voltage at every 10M distance. iv. Necessary drilling of holes in gland plate shall be part of cable termination, vendor to make sure proper sealing of all gland holds. v. Double compression glands to be used for all Aluminum / Copper armoured cable. vi.before Purching Cable,it Should Measure Actual on site				
1	3.5C X 70 SQMM AL ARM. XLPE CABLE	40	Mtrs	900.00	36,000.00
2	4C X 16 SQMM AL ARM. XLPE CABLE	55	Mtrs	320.00	17,600.00
3	4C X 10 SQMM CU ARM. XLPE CABLE	25	Mtrs	550.00	13,750.00
4	4C X 6 SQMM CU ARM. XLPE CABLE	85	Mtrs	350.00	29,750.00
5	3C X 4 SQMM CU ARM. XLPE CABLE	70	Mtrs	210.00	14,700.00
6	1C X 10 SQMM CU FLEXIBLE CABLE	30	Mtrs	120.00	3,600.00
B	Supply and fixing of cable end termination of the following PVC sheathed aluminum / copper conductor armoured XLPE insulated cables of 1100 volt grade, including cost of all crimping lugs and heavy duty Double compression glands, cable sockets insulation tape, sealing compound etc.earthing the cable gland with copper earth clamp (Aluminium Gland for AL cable & Cu Gland for Cu cable)				
1	3.5C X 70 SQMM AL ARM. XLPE CABLE	2	Nos	2,500.00	5,000.00
2	4C X 16 SQMM AL ARM. XLPE CABLE	4	Nos	1,000.00	4,000.00
3	4C X 10 SQMM CU ARM. XLPE CABLE	2	Nos	800.00	1,600.00
4	4C X 6 SQMM CU ARM. XLPE CABLE	12	Nos	700.00	8,400.00
5	3C X 4 SQMM CU ARM. XLPE CABLE	10	Nos	300.00	3,000.00
6	1C X 10 SQMM CU FLEXIBLE CABLE	16	Nos	300.00	4,800.00
3.0	Providing Timer control for Meter / UPS room				

	SITC of Timer control Unit with 24 hours timer device , contactor etc housed in an CRCA enclosure with suitable no of compartments and complete set of accessories. The two exhaust fans connected with the timer control device shall operate alternatively in every 4 hours	2	Nos.	4,000.00	8,000.00
4.0	POINT WIRING				
1	Supply, Installation,Testing of Primary light point wiring from switchboard to light point with 2R x 1.5+ 1R x 1.0 sq mm insulated copper conductor 1100 volts grade stranded flexible FRLS wires in 25 mm MMS PVC conduit concealed / embedded in walls/slabs. This shall include installation of 6 A single way modular switch, 1.2 mm thick GI concealed box, switchboard plate and other accessories such as bends, junction boxes, saddles, spacers, switch plates, angle holders, ceiling roses etc. as required to complete the wiring. (Average length of conduit & wire is 5 MTR)	70	Nos	1,200.00	84,000.00
2	Supply, Installation,Testing of Secondary light point wiring from 1st light point to second light point with 2R x 1.5+ 1R x 1.0 sq mm insulated copper conductor 1100 volts grade stranded flexible FRLS wires in 25 mm MMS PVC conduit concealed / embedded in walls/slabs. This shall include installation of 1.2 mm thick GI concealed box, switchboard plate and other accessories such as bends, junction boxes, saddles, spacers, switch plates, angle holders, ceiling roses etc. as required to complete the wiring. (Average length of conduit & wire is 5 MTR)	93	Nos	900.00	83,700.00
3	Supply, Installation,Testing of Primary exhaust point wiring from switchboard to exhaust fan with 2R x 1.5+ 1R x 1.0 sq mm insulated copper conductor 1100 volts grade stranded flexible FRLS wires in 25 mm MMS PVC conduit concealed / embedded in walls/slabs. This shall include installation of 6 A single way modular switch, 1.2 mm thick GI concealed box, switchboard plate and other accessories such as bends, junction boxes, saddles, spacers, switch plates, angle holders, ceiling roses etc. as required to complete the wiring. (Average length of conduit & wire is 5 MTR)	4	Nos	1,200.00	4,800.00
4	EMERGENCY LIGHTING AND POWER POINT IN ELECTRICAL ROOM: SIT C of 1no. 6A switch for emergency light fitting and 1no. 6A switch & 1no. socket housed in suitable size of front plate and zinc passivated metal box. The metal box shall be recessed in wall. SIT C of emergency lighting and switch box wiring in with 3 core x 1.5 sq.mm (P + N + E) PVC insulated FRLS flexible copper cable laid in surface mounted 20/25 mm dia., 16 G thick ISI marked MS conduit pipe with complete set of accessories (Junction boxes, caps, rubber bushes, bends, brackets, etc.,). The rates shall include the cost of all necessary civil works. All the above materials shall be as per the latest ISI standards. NOTE: Circuit shall tapped from UPS Output DB in Electrical meter room.	2.0	set	1,500.00	3,000.00
5	DISCONNECTING ARRANGEMENT SIT C of 3 core 2.5 sq.mm PVC insulated FRLS copper flexible cable installed inside flexible metal hose with complete set of accessories, supports, etc. The one end the cable has to be terminated to 16A heavy duty plug and the other end of cable should be terminated to Switchboard inside Locker, Safe and record rooms. The rate shall also include cost of modular type 16A switch & socket housed metal box. All the above materials shall be as per the latest ISI standards.	1.0	each	2,500.00	2,500.00
5.0	SUB MAINS WIRING				
1	Supply & Laying wiring of 2R x 2.5 sq.mm + 1R x 1.5 sq mm insulated Copper Conductor 1100 volts grade stranded flexible FRLS wires with 25mm Conduit (DB TO LIGHTING/EMERGENCY LIGHTING SB AND DB TO AC POINT CIRCUITS)	1350	Mtrs	250.00	3,37,500.00
2	Supplying, installing, testing and commissioning FRLS cable 3 core 2.5 sq.mm. copper conductor complete erected through Raceways/conduits. (DB TO WORKSATIONS/UTILITY/INDUSTRIAL SOCKET- RAW & UPS POWER POINT CIRCUITS)	1400	Mtrs	350.00	4,90,000.00
6.0	Power BOX				
1	1 NOS. OF 6A SOCKET CONTROLLED BY 1 NOS. OF 6A SWITCH ON RAW POWER	89	Nos	600.00	53,400.00
2	3 NOS. OF 6A SOCKET CONTROLLED BY 2 NOS. OF 6A SWITCH ON UPS POWER	89	Nos	1,800.00	1,60,200.00
3	6/16A SWITCH SOCKET ON RAW POWER FOR GENERAL UTILITY	27	Nos	1,200.00	32,400.00
4	16A SOCKET with 16A 1 module MCB ON RAW POWER FOR PANTRY POWER POINT	5	Nos	1,200.00	6,000.00
5	6/16A SWITCH SOCKET ON RAW POWER FOR HAND DRYER	3	Nos	1,200.00	3,600.00
6	6/16A SWITCH SOCKET ON RAW POWER FOR AC INDOOR UNIT	29	Nos	1,200.00	34,800.00
7	POPUP BOX- 2 NOS. OF 6A SWITCH SOCKET ON UPS POWER 1 NOS. OF HDMI 1 NOS. OF DATA & 1 NOS. OF VOICE POINT 1 NOS. OF V/A & 1 NOS. OF USB PORT	2	Nos	22,000.00	44,000.00
8	1 PHASE 20AMP INDUSTRIAL SOCKET FOR NW RACK ON UPS POWER	2	Nos	5,500.00	11,000.00
9	Supply and fixing of 8 Module Legrand Popup Box consist of 1 no. RJ-45, 1no. Data, 1 nos. 16A switch controlled by 2 nos. 6/16A and socket, 1no HDMI port	3	Set	10,409	31,227
7.0	PVC CONDUITING				
1	Supply & Laying of 25 mm MMS FRLS grade PVC Conduit with other accessories such as bends, junction boxes, ceiling roses, saddles, spacers zarri making, pulling of GI wire, Removal of chock up and Semi finishing for various services through slab, wall, ground etc (for Power sockets of general utility, hand dryer, pantry, rack industrial sockets and extra for remaining electrification work wherever required.)	700	Mtrs	140.00	98,000.00
8.0	CABLE TRAY				
A	Supply, installation, testing & commissioning of 16 SWG thick Perforated galvanized/ powder coted (shade as approved) cable tray complete with proper engineering MS bends, couplers, fish plates, supports & brackets etc., including the civil works requires, complete in all respects: (Note: Price should be inclusive of appropriate paints / powder coatings for supports as per Architect / Consultant's requirement)				
	Note: 1.The quoted rate for the cable tray size up to 450mm shall be inclusive of suitable size threaded rod with suitable "C" channel at every 600 mm interval of supports. 2.The quoted rate for above 450mm cable tray shall be with 25X25X5 mm thick MS angles with one coat of primer & two coat of enamel approved paint as approved by Employer / Technical Consultant. 3.The channels/ MS support shall be earthed at the joints with 14 SWG bare copper wire with screws so that earth is continuous.				
1	200 X 50 mm Perforated Cable tray	30	Mtrs	1,400.00	42,000.00
2	150 X 50 mm Perforated Cable tray	35	Mtrs	1,200.00	42,000.00
3	100 X 50 mm Perforated Cable tray	35	Mtrs	1,000.00	35,000.00
9.0	RACEWAYS				
A	Supply and installation of Single compartment GI raceway of cross section given below laid in floor complete as specified. a) Raceway b) All bends, joints, supports, end plates couplers earth conductivity.				
1	300 x 38 Single compartment	35	Mtrs	1,750.00	61,250.00
2	200 x 38 Single compartment	25	Mtrs	1,450.00	36,250.00
3	100 x 38 Single compartment	65	Mtrs	1,050.00	68,250.00
4	50 x 38 Single compartment	325	Mtrs	650.00	2,11,250.00
B	Supply and installation of Single compartment GI junction box of cross section given below with tile cover, laid in floor or above false ceiling complete as specified				
1	350 x 350 x 50 with metal cover	16	Nos	2,800.00	44,800.00
2	250 x 250 x 50 with metal cover	13	Nos	2,200.00	28,600.00
3	150 x 150 x 50 with metal cover	44	Nos	1,250.00	55,000.00
4	75 x 75 x 50 with metal cover	16	Nos	650.00	10,400.00
10.0	EARTHING WORK				
A	Supply, installation, testing & Commissioning of approved make Maintenance Free Earthing Comprising of Electrode of 25 mm diameter Low Carbon Steel with 250 micron Molecular Copper Bonded Earthing Rod of Length 3m along with 25 Kg Carbon Based environment friendly back fill Ground Enhancing Compound required to fill up the excavated earth with required quantity & With Earthing Chember & Cover.	3	Nos	25,000.00	75,000.00
B	EARTHING CONDUCTOR				

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