



**STATE BANK OF INDIA**

LOCAL HEAD OFFICE, PREMISES & ESTATE DEPARTMENT 3<sup>rd</sup> FLOOR,  
C-6, G- BLOCK, SYNERGY BUILDING, BANDRA-KURLA COMPLEX, BANDRA  
(EAST), MUMBAI-400 051

**TENDER ID: MUM20241103**

**TENDER FOR PROPOSED ELECTRICAL WORKS AT SBI SME  
AMBERNATH BRANCH (NEW PREMISES), AMBERNATH EAST,  
THANE, LHO MUMBAI**

**PART – B: PRICE BID**

**THROUGH E-TENDERING PROCESS**

**TENDER SUBMITTED BY:**

**NAME** : \_\_\_\_\_

**ADDRESS** : \_\_\_\_\_

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**DATE** : \_\_\_\_\_



**BOQ FOR PROPOSED ELECTRICAL WORKS AT SME AMBERNATH BRANCH (NEW PREMISES), AMBERNATH EAST, THANE, LHO MUMBAI**

S. No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	<b>MCCB NEAR ENERGY METER</b> Supply & Installation of 125A, 4Pole, 25KA MCCB in a fabricated IP 65 enclosure near Energy Meter ( MCCB should not visible to outside).	Nos	1		
2	Supply & Installation of 125A,4Pole, 25KA MCCB as incomer and 100A, 4P 25 KA MCCB -1 Nos and 63 A, 4P, MCB as out going in a in a factory fabricated IP 65 enclosure near second entrance of Branch	Nos	1		
3	<b>APFC [10 KVAR ] [current &amp; contactor based]</b> 40A, 4P, MCB as incomer a) 4 Stage Relay, Auto/ Manual switch, ON/OFF indicator b)16A, 3P, MCB,10kA-4No c) 16A 3P, Power contactor -4Nos d) 2 KVAR-2 Nos, 3 KVAR-2 Nos (Through Contactor)	Nos	1		
4	Supply, Installation, Testing & Commissioning of Distribution Boards recessed in walls/partitions, complete with MCBs/ Bus bars and interconnections. No fabricated DBs shall be allowed. Only DBs of specified makes as per list of materials shall be used (DOUBLE DOOR IP43 Type)				
a	<b>6 WAY VTPN (MCCB DB) as follows :(AC DB)</b> Incomer: 100A 4P, MCCB-1nos, Outgoings:32A SP MCB - 9 Nos, 6-10A SP MCB- 9 Nos.	Nos	1		
b	<b>8-way TPN DB (PPI DB)</b> Per phase isolation DB- Double Door - (LDB) (Horizontal type) with 40A, 4P, MCB as incomer, 40A DP ELCBs, 100mA -3Nos and 6-10A SP MCB-18 Nos, 16A-20A SP MCB- 3 Nos, 32A- 40A SP MCB 3 Nos as out going	Nos	1		
c	<b>2+6 way SPN MCB</b> with metal Double door DB for UPS sockets. 63A DP MCB-1No as Input, 32A SP MCB - 2 Nos, 6-25A SP MCB-4 Nos ( Hub/NETWORK RACK,CCTV, Fire panel, Burglar ALARM and Distribution boards in banking hall) (UPS Output DB Near UPS & ATM)	Nos	1		
d	<b>2+8 way SPN MCB</b> with metal Double door DB for UPS sockets. 32A DP MCB-1No as Input, 6-32A SP MCB-10No Counters and Manger Cabin	Nos	1		
e	<b>2+4 way SPN MCB</b> with metal Double door DB for UPS sockets. 32A DP MCB-1No as Input, 6-32A SP MCB-4No as out going	Nos	1		
f	Supply & Installation of 32 A 4P MCB with suitable enclosure (Cassette A/C Unit)	Nos	2		
g	Supply & Installation of 63 A DP MCB with suitable enclosure (UPS IN PUT)	Nos	1		

S. No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
h	Supply & Installation of 40 A DP MCB with suitable enclosure (UPS OUT PUT)	Nos	1		
i	Supply and fixing of 25A/ 32A DP MCB on a suitable metal box for power supply to A/C units along with all interconnections as required near the proposed AC locations at 4.5ft from the floor level.	Nos	7		
<b>5</b>	Supply & Laying of following 1100V grade armoured cable having sector / circular shaped aluminium conductor XLPE insulated cores, laid up, PVC tape wrapped inner sheathed, GI strip / wire armoured and overall extruded PVC sheathed conforming to IS: 7098, laid along with 2 Runs of 12 SWG GI Wire on wall or ceiling using GI clamps and spacers as per route shown at site and further as directed by Bank / Architect.				
a	3.5 CX 35 Sq.mm Al Cable along with 2 Runs of 12 SWG GI wire (main Cable)	Rmt	60		
b	4CX 6 Sqmm, CU cable along with 2 Runs of 12SWG GI Wire (LDB)	Rmt	40		
c	3CX 6 Sqmm, CU cable along with 2 Runs of 12SWG GI Wire ( UPS)	Rmt	60		
d	3CX 4 Sqmm, CU cable along with 2 Runs of 12SWG GI Wire ( Split AC)	Rmt	230		
<b>6</b>	Supply & end termination of following cables including compressed type brass glands, crimping type Aluminium/ copper lugs, insulation tape etc. as required complete with earthing of glands in following sizes				
a	3.5 CX 35 Sq.mm Al Cable	Nos	8		
b	4CX 6 Sqmm/ 3CX4 Sqmm CU cable	Nos	14		
<b>7</b>	<b>SUB MAIN WIRING</b>				
	Supply & Wiring with Flame Retardant Insulated PVC copper wire as per grade IS 994for Circuits, Computer point, Power points within 2mm thk PVC conduits with necessary accessories and with proper clamps and to be concealed below the false ceiling. It comprises as follows:-				
a	2Runs of 4Sqmm copper wire+ 1x 2.5 Sqmm copper wire in PVC conduit	Rmt	15		
b	2Runs of 6 Sqmm copper wire+ 1x 6 Sqmm copper wire in PVC conduit (UPS )	Rmt	12		
c	Supplying and laying <b>3 CX 2.5Sq.mm 1100V grade PVC insulated Flexible cable along with one run of 12SWG GI earth wire</b> in PVC pipes run on wall/ Ceiling etc as required. (for sign board and yard Lights)	Rmt	35		

S. No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
d	<b>EMERGENCY LIGHTING (UPS SUPPLY)</b> Supply & laying of 3 core 1.5 sqmm copper flexible cable in a suitable FRLS PVC pipe for emergency lighting. The scope of work includes <b>supply &amp; fixing of 2A DP MCB</b> in a suitable enclosure. No of points :One primary point & Three secondary points. The scope of work extends to <b>supply &amp; fixing of 4 no of square type 15 watts recess</b> mounted LED lights also.	Nos	3		
8	<b>MODULAR SOCKETS FOR UPS &amp; RAW POWER</b>				
a	Supply and fixing of <b>2nos. 6A sockets fixed Above the table with 2 no 6A switch fixed above the table</b> on suitable module metal box and white front plate (Modular type) with 2runs of 2.5 sq.mm FRLS and 1 run of 1.5sqmm FRLS 1100 V grade PVC insulated multi strand copper conductor wires conforming to IS 694 (with latest amendments) with 25mm dia PVC conduit of 2mm thick concealed in wall/floor and supply of all fixing materials and accessories, interconnections complete as required for the raw power primary sockets (DB to work stations Primary point)	Nos	8		
b	same as above but looped from nearest Raw Power point (Primary point to Secondary point) including <b>2nos. 6A sockets fixed Above the table with 2 no 6A switch fixed above the table</b> on 3 module metal box and white front plate (Modular type)with 2runs of 2.5 sq.mm FRLS and 1 run of 1.5sqmm	Nos	8		
c	<b>PRIMARY POINT: RAW POWER</b> Supply and fixing of <b>1 no of 6A/16A socket with 1 no of 6A/16A switch</b> on suitable Modular metal box and modular front plate including Supply and wiring with <b>3 runs of 2.5 sq.mm</b> 1100 V grade PVC insulated multi strand FRLS copper conductor wires conforming to IS 694 (with latest amendments) with 25mm dia PVC conduit of 2mm thick concealed in wall/floor and supply of all fixing materials and accessories, interconnections complete as required for the <b>AC VRF IDU sockets etc</b>	Nos	2		
d	<b>SECONDARY POINT: RAW POWER (Primary point to Secondary point)</b> Same as about but looping from the above point : Supply and fixing of <b>1 no of 6A/16A socket with 1 no of 6A/16A switch</b> on suitable Modular metal box and modular front plate including Supply and wiring with <b>3 runs of 2.5 sq.mm</b> 1100 V grade PVC insulated multi strand FRLS copper conductor wires conforming to IS 694 (with latest amendments) in suitable size FRLS PVC Conduit of 2mm thick concealed in the above ducts in the floor and supply of all fixing materials and accessories, interconnections complete as required for the AC VRF IDU sockets etc	Nos	2		

S. No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
e	<b>PRIMARY POINT: RAW POWER</b> Supply and fixing of <b>2 Nos of 16A socket with 2 Nos of 16A switch</b> on suitable Modular metal box and modular front plate including Supply and wiring with <b>2runs of 4.0 sq.mm &amp; one run of 2.5sqmm</b> 1100 V grade PVC insulated multi strand FRLS copper conductor wires conforming to IS 694 (with latest amendments) with 25mm dia PVC conduit of 2mm thick concealed in wall/floor and supply of all fixing materials and accessories, interconnections complete as required for the UPS/ raw power sockets etc ( <b>No Loop point</b> )	Nos	2		
f	<b>Primary:</b> Supply & Installation of point wiring for UPS or stabilized power plug points on workstations / table for computers using 3C X2.5 Sqmm <b>FR sheathed WHITE/BLACK colour flexible cable</b> with 25mm dia PVC conduit of 2mm thick concealed in wall/floor/partitions. <b>Each point consisting of 3 nos of 5A , 2/3 pin sockets below table top &amp; 1 No., 15A Switch above table top, PVC Conduits wired together forming one point.</b> The earth wire of 3 core flexible cable to be of yellow-green colour only.	Nos	9		
g	<b>Secondary:</b> Supply & Installation of point wiring for UPS or stabilized power plug points on workstations / table for computers using 3C X2.5 Sqmm <b>FR sheathed WHITE/BLACK colour flexible cable</b> with 25mm dia PVC conduit of 2mm thick concealed in wall/floor/ metal partitions. <b>Each point consisting of 3 nos of 5A, 2/3 pin sockets below table top &amp; 1 No., 15A Switch above table top, wired together forming one point.</b> The earth wire of 3 core flexible cable to be of yellow-green colour only.	Nos	9		
h	Providing 3 meter length of flexible 3core 2.5sqmm multi core copper cable one end connected to plug top 15A and the other connected to the SB inside and a suitable hook arrangement as required for hanging the cable (This item excludes wiring from DB to Socket and socket to inside switch box which already considered in point wiring)	Nos	3		
i	Supply and fixing of 1nos. 16A socket with 1 no 16A switch fixed on a 3 module metal box and white front plate (Modular type) including all interconnections as required for locker, safe room, and Record room/Stationary room.	Nos	3		
<b>7</b>	<b>LIGHT &amp; FAN POINT WIRING</b>				

S. No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Supply and wiring for Primary light point with 2Runs of 1.5sq.mm+ 1 Run of 1.5 Sqmm (Earth) 650V grade PVC insulated Copper Conductor multi strand wires in heavy gauge 20/25mm dia <b>PVC conduit</b> concealed in wall or with suitable width casing and capping of approved quality along with required accessories when laid on ceiling / below work stations and fixing of 5 Amp Modular type switch in anodised GI box complete with front plate, supplying and fixing 3way ceiling rose or straight / slant batten holder including interconnections required. <b>The rate shall include circuit wiring with 2 runs of 2.5sq.mm multi strand copper conductor wire&amp; 1 run of 1.5sq.mm wire for earth in suitable size heavy gauge 25mm dia PVC conduit from DB to switch &amp; switch board to switch board, ceiling rose and angle holders for cfl light fixtures all complete.</b>				
a	Primary points	Pts	60		
b	same as above but for Extending the existing point in the office room	Pts	45		
c	Supply and installation of 6A modular socket with a switch in the above modular switch boards.	Nos	6		
d	Wiring for the <b>wall mounting fans</b> from the nearest switch board with 1.5sqmm 650V grade multi stranded PVC insulated copper wire in PVC Conduit and all interconnections as required including the supply and fixing of 6A modular socket near the wall mounted fan and 6A switch in the near switch board below fan as required.	Nos	2		
e	Supply and wiring similar to item7 above but for <b>ceiling fan</b> point including GI box and 5 Amp. Control switch, 100W step type Electronic fan regulator etc.	Nos	6		
f	Bell point with indicator type bell	Nos	1		
<b>8</b>	<b>FLOOR TRENCH BOXES / CABLE TRAYS</b>				
	Supply and laying Raceways / Conduits (for under floor trenches / On trays) on existing flooring. Raceways / conduits shall be fixed to the flooring with GI clamps for finished levels as per the site conditions or through partitions with all accessories. The rate shall include preparation of trenches of required sizes by carefully removing the malwa on existing floor for laying Raceways/conduits for power, data, telephone cables etc. The depth of the trenches shall be at least 2 inches from the finished floor level or up to RCC of the slab. The rate shall include the cost of the Raceways/conduits. The rate shall also include the activity of clearing the debris generated from the preparation of trenches & filling the same with PCC.				
a	80 x 40 x 1.6mm thick Aluminium Raceways	Rmt	15		

S. No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
b	60 x 40 x 1.6mm thick Aluminium Raceways	Rmt	15		
g	Supply & Laying of following size PVC conduit of 2mm thick concealed in wall/floor with all accessories, bends, pull wire etc. For CCTV and LAN				
a	25 mm Heavy gauge PVC Conduit	Rmt	80		
10	Supply & Installation of floor <b>junction boxes with 2mm thick removable cover plate screwed on all four sides of M.S. sheet, fully powder coated</b> for above raceways, of <b>following sizes</b> , fabricated out of <b>M.S. sheets</b> , fully powder coated with provision for removable <b>M.S. / S.S. screwed cover plates</b> on all four sides for blocking the entry into the junction box. All the junction boxes to be (with stud) 'properly earth - bonded with the raceways pipe using 12 SWG Copper bare wire as directed at site.				
a	size 250mm x 250mm x 50mm x 2.5mm thick	Nos	6		
b	size 300mm x 300mm x 50mm x 2.5mm thick	Nos	6		
11	<b>LED LIGHT FIXTURES ( COMMERCIAL TYPE ONLY) /FANS</b>				
a	Supply & Installation of <b>33/34W 2X2 LED Light fixtures</b> (Havel's – VENUS NEO HE2X2PLR 34W LED8XXS or CROMPTON: LCTLRNE-36-FO-CDL or Philips RC 375B30S 6500K or Equivalent models in other approved makes) including cost and conveyance of all materials, taxes and all labour charges etc., complete. Weight of the light should not be on the grid/ Gypsum ceiling. Light has to be fixed with the help of GI/chain wires and to be anchored to the ceiling.	Nos	18		
b	Supply & Installation of 610x610 Led Light fixtures Frames including cost and conveyance of all materials, taxes and all labour charges etc., complete	Nos	8		
c	Supply & Installation of <b>15W LED down light fixture.</b> (Havel's:- Integra NEO15W, 857 CROMPTON: LCDRQ-15-CDL/LCDRO-15-CDL or DN296B LED15S 6500K in Philips or equivalent models in other make) including cost and conveyance of all materials, taxes and all labour charges etc., complete.	Nos	45		
d	<b>Cove Lighting</b> : Supply & Installation of single colour (warm white 2800k light / any other approved colour) flexible LED strip light including required rated driver / power supply in multiples of 1 Rmtr as approved by category & models in other as approved make by client / architect / Engineer.) Including cost and conveyance of all materials, taxes and all labour charges etc., complete.	Rmt	50		

S. No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
e	Supply and Installation of <b>20W Batten LED light fixtures</b> SURFACE type with all interconnections and fixing arrangement as required. (LUMILINEBS18WLED857SPCWH - Havel's or BN021-21S in Philips or CROMPTON: LDL-20-CDL or equivalent)	Nos	26		
f	<b>WALL MOUNTING FANS</b> Supply and Fixing of 18 inch Metal body & Blades wall mounted fans with 3 pin plug top, fan body should be earthed if 3 pin socket not available in the market, Make: Storm model in CG or equivalent	Nos	2		
g	<b>EXHAUST FAN:-</b> Supply & Installation of fresh air exhaust fan 50W of light duty 300mm size (9"), Metallic body & blades, wire mesh, bird louvers etc. including cost and conveyance of all materials, taxes and all labour charges etc., complete for erection	Nos	2		
h	<b>CEILING FAN:-</b> supply & Fixing of 1200mm sweep 5 star High speed ceiling fan with electronic step regulator in suitable locations as required. And Supplying of double anchor fastener hooks and down rods. Complete in all respects as directed by Bank. <b>Ref Model : Crompton Greaves Rivera high speed model (or) equivalent in other approved make</b>	Nos	6		
i	<b>SUPPLY &amp; FIXING OF EXHAUST FANS WITH TIMER</b> Supply & fixing of 2 no of bird cage 9 " exhaust fans with timer control for the exhaust fans in the UPS room. The scope of work includes point wiring & making provision in the wall for installation of exhaust fans and bring back to original finish.	Nos	1		
<b>12</b>	<b>TELEPHONE CABLING</b>				
a	Supply, laying and connection of high Conductivity Solid Annealed Bare Copper industrial <b>2 Pair 0.5 sq mm dia Telephone Cables</b> with High Density Polyethylene Insulation, Paired, Polyester and Sheathed with High Oxygen Index, Fire Retardant, PVC Compound, Grey Outer Sheath generally conforming ITD Specification. The scope of work inclusive of all fixing accessories & laying in a suitable ISI medium PVC conduit. The scope of work extends to Supply and Fixing of modular type RJ11 Telephone outlet with anodized GI box and front plate complete as required.	Nos	12		
b	Supply, installation, testing & commissioning of 10 Pair Telephone Krone DB in an MS powder coated enclosure in suitable location	Nos	2		



S. No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
13	<b>EARTHING</b>				
a	<b>COPPER EARTHING:</b> Providing independent earthing for sophisticated electronic equipment with 600 mm x 600 mm x 3.5 mm thick copper plate rigidly fixed to 40 mm dia G.I. pipe of 3 mtr length connected with reducer providing .Gl. funnel with wire mesh as per national electric code including C.C. Chamber of size 400 mm x 400 mm x 400 mm covered with RCC slab filling with salt and charcoal giving earth connection from electrode copper strip 2 runs of 25 mm x 3 mm x 3000 mm length with all accessories and labour charges complete, as per IS specifications 732/1982 (Part II)	Nos	2		
b	<b>GI EARTHING:</b> Providing independent earthing for important equipment with 40 mm dia "B" class 2.5m long G.I pipe and 19mm dia "B" class G.I pipe of 0.3 mtr. Long connected with reducer providing G.I. funnel with mesh enclosed in C.C. Chamber of 400mm x 400 mm x 400 mm with RCC slab cover duly providing staggered holes filling with salt and charcoal from the bottom of the pipe giving earth connection from electrode through G.I. strip 2 runs of 25 x 6 mm x 3000 mm length with all accessories and labour charges complete, as per IS specifications 732/1982 (part II)	Nos	1		
c	S.I.T.C. of 10 Sqmm Copper Flexible wire with 20 mm Heavy duty PVC Conduit PVC sleeve (Electrical Earthing) (From Electrical Earthing Pit to Main Electrical Earthing Bus bar)	Rmt	120		
d	Supply & Laying of 100mmX 25mmX 5mm Copper strip with supporting insulator and holes	Nos	2		
	<b>Total Electrical works Excluding GST</b>				
	<b>Discount if Any</b>				
	<b>Grand Total Excluding GST</b>				

Signature of the Contractor

Date