

STATE BANK OF INDIA

PRICE BID FOR ELECTRICAL WORKS OF SME STATION ROAD BRANCH

SI No	Particulars : Detailed Specifications	Unit	Quantity	Rate	Amount
PART-A : ELECTRICAL WIRING WORKS					
1	<p>ENERGY METER CUBICLE : Fabrication, Supply, Installation, testing & Commissioning of energy Meter cubicle made out of 16 SWG CRCA sheet consisting of the following. (to be fixed outside the building). FOR 3-PHASE ENERGY METER- for Branch,separate chamber for energy meter (with fixing plate, view glass and holes with rubber gromets), CTs, Cutouts & switchgear etc. and consisting of the following.</p> <p>3 Nos. 63A Open Type bakelite cutout fuse unit with 63A HRC fuses</p> <p>1 no. 63A 4 pole SFU with 63A HRC fuse (HPL/C&S/Indoasian)</p> <p>Complete with all inter connections and powder coated painting-RAL 7032 siemens grey.</p>	Set	0		
2	<p>BUILDING MAIN PANEL : MAINS CHANGE OVER PANEL Supply and installation of 63A 4pole ON Load Change over switch with suitable metallic enclosure with cable entry Box and Powder coated painted with 6nos of 2A SP MCB and LED (R,Y,B) indicators for the identification of EB/ DG Set – ON & neat marking thereof: (GA drawing to be got approved from consultant/Engineer before fabrication & supply)</p> <p>a. Change over switch : 63A On-Load COS b. MFM - (c 0.5) to show the V,A,pf,kW,kVA,etc details (L&T or Schneider) c. SPD - Type-1+2 d. R,Y,B Indicators for EB & DG supply (6nos) e. 1A SP MCB - 6 nos</p> <p>Complete with all inter connections and powder coated painting-RAL 7032 siemens grey.</p>	Set	0	60000	
3	<p>Supply & Installation of 20 KVAR automatic capacitor panel cubical type, floor mounting made of 16.SWG CRCA sheet.,</p> <p>Incoming</p> <p>63A, 25kA, 4P MCCB with spreader</p> <p>0-100A ammeter with selector switch</p> <p>RYB indicating lamp</p> <p>0-500 Volts, Voltmeter</p> <p>6 Stage A.P.F.C. Relay</p> <p>Outgoing</p> <p>63A TPMCB</p> <p>Capacitor duty contactor</p> <p>5KVAR Resin Capacitor with Harmonic fitter</p>	Set	0	42000	

	ON-OFF push button & Ind Lamp				
4	<p>Main DB – (VTPN - DB): Supply, Installation, testing and Commissioning of Double Door TPN DB consisting of the following.</p> <p>Double door 4-way VTPN MCB VDB Incomer 63A, 25kA, 4P MCCB Outgoings : 63A, TP MCB (C-series) -0nos 40A, TP MCB (C-series) -2nos 25A, TP MCB (C-series) -1nos 16A, TP MCB (C-series) -2nos 16A, SP MCB (C-series) - 3nos 10A, SP MCB (C-series) - 0nos 160A COPPER Bus-bar for 3 phase Complete with all inter connections.</p>	Set	0	39000	
5	<p>ACDB – (TPN - DB): Supply, Installation, testing and Commissioning of Double door (6-way) TPN MCB DB consisting of the following.</p> <p>Double door 4-way TPN MCB DB Incomer 32A,300mA 4P RCCB +32A MCB C-series Outgoings : 25A, TP MCB (C-series) -0nos 16A, TP MCB (C-series) -2nos 16A, SP MCB (C-series) - 4nos 10A, SP MCB (C-series) - 0nos 80A COPPER Bus-bar for 3 phase Complete with all inter connections.</p>	Set	1	24000	
6	<p>RPDB: Supply, Installation, testing and commissioning of Double door TPN MCB DB consisting of the following.</p> <p>Double Door 6-way TPN MCB DB Incomer: 16A,100mA 4P RCCB +40A 4PMCB C-series Outgoings : 16A, SP MCB (C-series) -0nos 10A, SP MCB (C-series) -6nos 6A, SP MCB (C-series) - 4nos Complete with all inter connections</p>	Set	1	24000	
7	<p>ESSENTIAL DB: Supply, Installation, testing and Commissioning of Double door SPN MCB DB consisting of the following.</p> <p>Double door 4-way TPN MCB DB</p>	Set	0	19000	

	Incomer : 32A TP MCB (C-series) Outgoings : 25A MCB TP (B-series) - 2Nos UPS INPUT 6A, SP MCB (B-series)-2 24hr digital timer 1NO,1NC - 1 nos signage board lighting Complete with all inter connections.				
8.a	LDB: Supply, Installation, testing and commissioning of Double door TPN MCB DB consisting of the following. Double Door 4-way TPN MCB DB Incomer: 32A,30mA 4P RCCB +40A 4PMCB C-series Outgoings : 16A, SP MCB (C-series) -0nos 10A, SP MCB (C-series) -6nos 6A, SP MCB (C-series) - 4nos Complete with all inter connections Complete with all inter connections.	Set	1	24000	
9	BUS BAR Box – Supply, Installation, testing and Commissioning of single door Bus bar box with following .				
a.	100A Copper bus bars-25mmX3mm X150mm -4nos with insulators mounted on insulator bushes. \ \ / for remote UPS Rooms	Set	0	3250	
b.	200A Copper bus bars-25mmX4mm X150mm -4nos with insulators mounted on insulator bushes. \ \ / for remote UPS Rooms	Set	0	3500	
C	100A 4P Isolator with suitable enclosure	Set	1	5000	
10	UPS IN PUT DB Supply and installation of 40 A FP MCB ISOLATOR in suitable metallic enclosure for UPS Input.	Set	2	3750	
11	UPS OUT PUT DB Supply and installation of 32A DP MCB ISOLATOR in suitable metallic enclosure for UPS Input.	Set	2	2250	
12	UPS CHANGE OVER PANEL: Supply erection testing and commissioning of 2 Nos. 32A rotary type change over switch in suitable metal box with 4 Nos. LED indicator for input / output identification. UPS Output change over switch board. Complete with all inter	Set	1	17000	
13	COMPUTER DB: Supply, erection, testing and commissioning of wall mounted type double door dust and vermin proof SPN MCB DB fixed on wall comprising the following: SPN MCB DB - 12Way Incomer :	Set	2	10500	

	20A, DP MCB (C-series) -1 Outgoings : 10A, SP MCB (C-series) -6 6A, SP MCB (C-series) - 4 Complete with all inter connections.				
14	Supply and installation of suitable weather proof enclosure for local control of 3ph/1ph air conditioners. a. Supply and installation of 64A FP MCB (D-series) in suitable weather proof enclosure(IP65) for local control of 3ph/1ph air conditioners. b. Supply and installation of 20/32A DP MCB in suitable weather proof enclosure(IP65) for local control of 3ph/1ph air conditioners.	Set	0	4700	
	c. Supply and installation of 20/32A TP MCB in suitable weather proof enclosure(IP65) for local control of 3ph air conditioners.	Set	0	3600	
15	Supply and installation of DOL starter for PUMP motor with thermal overload protection, for 2kW motor	Set	0	4200	
16	CABLE LAYING AND TERMINATIONS: Supply, laying and dressing of the following size of 1.1 KV grade XLPE insulated armoured cable with aluminium conductor concealed or clamped on wall / ceiling / trench / cable tray if necessary. i) 4x240 Sq.mm AYFY ii) 4x95 Sq.mm AYFY iii) 4x70 Sq.mm AYFY iv) 4x50 Sq.mm AYFY v) 4x35 Sq.mm AYFY v) 4x25 Sq.mm AYFY vi) 4x16 Sq.mm AYFY vii) 4x10 Sq.mm AYFY viii) 3x6 Sq.mm AYFY	m	0	920	
		m	0	850	
		m	0	510	
		m	0	480	
		m	0	310	
		m	0	270	
		m	0	225	
		m	45	140	
		m	0	120	
17	End termination of the following size of cables using flange type cable glands and heavy duty tinned aluminium crimping type cable sockets including gland earthing. i) 4x240 Sq.mm AYFY ii) 4x95 Sq.mm AYFY iii) 4x70 Sq.mm AYFY iv) 4x50 Sq.mm AYFY v) 4x35 Sq.mm AYFY vi) 4x25 Sq.mm AYFY vii) 4x16 Sq.mm AYFY viii) 4x10 Sq.mm AYFY	set	0	1250	
		set	0	820	
		set	0	670	
		set	0	600	
		set	0	480	
		set	0	360	
		set	0	250	
		set	7	200	

18	GI - CABLE TRAY: Supply and installation of medium duty GI Ladder type cable tray of following size. (Rate shall be inclusive of all bends supports,etc. And supports to be not more than 1000mm apart)			
	i) 500mmx50mm(WxH)	m	30	1050
	ii) 650mmx50mm(WxH)	m	5	1200
	iii)300mmx50mm(WxH)	m	0	800
19	EARTHING AND LIGHTING PROTECTION			
a.	Supply and providing ISI pipe earthing as per IS 3043 with 2.5m long 40mm dia B class G.I. pipe providing GI clamp at the top of the GI pipe test joint, filling around the GI pipe at the radius of 15cm with homogeneous mixture of charcoal, common salt and river sand up to height of 2.5m from the bottom and the rest of the portion with excavated soil, providing brick work masonries, plastering, fixing cast iron cover of 30x30cm size etc. complete.	Set	0	9500
b.	Making of Copper plate(600mmx600mmx3mm) Earth-pit as per IS 3043 complete with charcoal, funnel set etc., including making of 450 x 450mm brick masonry chamber with CI / stone / fabricated / RCC cover with lifting handles stone / fabricated / RCC cover with lighting handles etc., complete as required.	Set	2	16500
c.	EARTH CONDUCTORS Supply and laying of the following size of bare copper conductor along with above cables, for interconnections between panels, DBs, change over switches etc.and also for interconnections between earth pits. i) No.10 SWG	m	0	110
d.	Supply and laying of 2 X No. 10 SWG copper conductor through 20mm PVC conduit for UPS earthing.	m	130	215
e.	Supply and laying of 25x3mm GI strip/tape supported on porcelain insulator on every 1m distance for lightning arrester system – the strip shall be insulated from having any direct contact from the building -shall use UPVC conduits while crossing the wall etc.	m	0	210
f.	Supply and installation of - Copper Lightning arrester spike – of 1m supported over proper insulator and connected to GL strip using proper nut bolt system.	Nos	0	1020
g.	Supply & installation of 4m length 40mm dia C-class GI pipe to be fixed over the terrace of the building to erect Copper lightning arrester spike. The pole shall be mounted on insulators.	Set	0	3400
h.	Supply and providing tinned copper earth bench using 25 x 3 mm copper strip (25 Cm in length)	Set	0	450

20	WIRING FOR LIGHT, FAN, PLUG, SOCKETS ETC : Point Wiring: Supply and wiring for light /fan/exhaust fan/calling bell/mirror lamp/ bulkhead light/ wall fans etc . With 3plate ceiling rose and by using 3x1.5 sqmm. (1.5sqmm) . PVC insulated copper conductor wire in 20mm dia 1.5mm thick rigid PVC conduit , controlled by 5A modular switches with provision for modular type Ceiling fan regulator on separately fabricated MS Box. The M.S box should be earthed properly. One way point.				
a.	Single light point controlled by a 6 Amp switch.	Nos	40	700	
b.	each Secondary light point connected to the single light points controlled by a switch.	Nos	25	450	
c.	2-WAY controlled lighting point for staircase, bed switch etc.	Nos	2	1150	
d.	Wall fan / Exhaust fan point - 6A, 3 pin modular socket on suitable metal box for wall fan controlled by switch in common SB	Nos	14	850	
e.	Ceiling fan point - controlled by 6A switch in common SB with modular stepped regulator.	Nos	4	1000	
21	Supply and fixing of Modular type 5A 3pin plug points controlled by 5A modular switch mounted on suitable box (on common switch board) only in Strong room, Record/ Stationary rooms & Pantry	Nos	9	450	
22	Supply and fixing of Modular type 5A 3 pin plug points with 5A modular type switch in separate location.	Nos	15	600	
23	Raw Power Switch Box : Same as above but for 2 Nos. modular type 5 A 3 pin plug points with 2 nos. 5A modular type switch in separate location. (both sides of cash cabin desk, nodes etc)	Nos	15	1150	
24	Supply and fixing of modular type 15A plug socket with 15A modular type switch mounted on suitable Box. .(for Mgr cabin, Cash Cabin, Pantry, Water cooler, etc) .	Nos	5	825	
25	Supply and installation of combined 5A modular plug socket with 5A modular switch & 15A combined modular plug socket with 15A modular switch in single box.(for EB supply at cashier counters / Manager cabin/UPS for ATM)	Nos	4	1310	
26	Supply and providing 16A plug top and 1.5m long 3 core 2.5Sqmm flexible copper cable (FRLS Type) for taking incoming supply from 16A socket. (For UPS/EB supply to back office manager & EB supply to strong room, line printer and record/ stationary rooms)	Nos	2	500	
27	Supply and Installation of 25A Modular type 3 pin plug socket with suitable metallic box for air curtain/ air conditioners.	Nos	2	650	
28	Supply and Installation of 20A /32A Modular type DP switch having indicator with suitable metallic box for the local control of the air conditioners/air Curtain.	Nos	6	1300	

29	UPS Power Stations::: Supply install Test and commissioning of computer power stations with 3nos 5A modular type sockets with 1nos 15A modular type sockets controlled with (1nos. 15A modular type single pole switch with indicator mounted on M/S Box.) / controlled by master switch (item 39) The boxes should be Fixed on – wall/ partitions(wooden, concealed or open as required at site. Maximum 3 sets per Circuit.	Nos	30	1450	
30	Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location.(for Data Kraft rack / I/O Rack/ Cash cabin)	Nos	2	1100	
31	Same as above but for 2 Nos. modular type 6 A 3 pin plug points with 2 nos. 6A modular type switch with indicator in separate location.(for counters, Head cashier , etc on wall panel/ partition - Above the table and on wall for token machine, CCTV, TV etc)	Nos	2	1350	
32	Supply, install, test and commissioning of 16A modular type master switch with indicator with suitable PVC box for the main control of UPS stations in the counters.(common switch to control all UPS station in each counter)	Nos	28	500	
33	Supply & Installation of USB charger outlets controlled by 6A switch (in Privillage lounge/ Hall)	Nos	3	1650	
34	CIRCUIT WIRING: Supply and wiring wall / floor etc. / recessed / surface as per colour code with 3 runs of 1.1KV grade 1.5 Sqmm PVC insulated flexible copper wire for phase neutral and earth conductor with standard colour coding, through ISI marked 20mm dia(medium) rigid PVC conduit with all accessories. The rate includes the cost of complete wiring from switch box to switch box. THE WIRING SHALL BE DONE CONCEALED .	m	90	110	
35	Same as above but with 3 x 2.5 Sq.mm PVC Insulated copper wire(FRLS Type).(for lighting main circuit, 15A plug points & UPS point wiring) (power circuit to VRF IDUs)	m	1250	165	
36	Same as above but with 3 X 4sqmm. PVC insulated copper wire(FRLS Type). (for 1.5 / 2 T AC and UPS Out put COS to computer DB and for the Name Boards if there are multiple name boards or extra ordinary lengthy– Name Boards)	m	120	255	
37	Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire through rigid conduit (32mm) on wall and flexible conduit on floor for UPS Input.(4m length x 2 UPS) , AC input 3Tr/ 4Tr inv AC	m	70	380	
38	Same as above but with 4 x 2.5 Sq.mm with 2 x 1.5 sq.mm (for3ph 3T inverter AC units) in 32mm dia conduit	m	0	425	
39	Same as above but with 4 x 4Sq.mm with 2 x 2.5 sq.mm (for3ph 4T inverter AC units)	m	0	550	

40	Same as above but with 4 x 6 Sq.mm with 1 x 4 sq.mm (for3ph UPS input)	m	70	540	
41	Same as above but with 4 x 10 Sq.mm + 1 x 6 sqmmPVC Insulated copper wire through rigid conduit on wall of 38mm dia	m	0	800	
42	PVC CONDUITS:Supply and Fixing of following sizes of FRLS PVC conduit along with the accessories in surface in ceiling/ recess in walls, flooring including cutting the wall / floor etc., and making good the same in case of recessed conduit as required.				
a.	32mm dia. Conduit (Medium)	m	20	68	
b.	25mm dia. Conduit (Medium)	m	20	48	
c.	20mm dia. Conduit (Medium)	m	20	38	
43	LIGHT FIXTURES & FANS				
a	Dismantling, shifting & Installation of 36~40W 600mmx600mm Square recess mounting (gypsum board ceiling) LED type luminaire (including required fixing frame, chain for suspending from RCC ceiling) -Wipro, HPL, Havells, Orcus, 595mmx595mm cut out	Nos	20	500	
b	Supply & installation of 20 ~18 Watts DLED type LED light fitting with lamps and white reflector on false ceiling (UPS Light points) - ~ 205mm cut out	Nos	8	1420	
c	Dismantling, shifting & installation of 9~10 Watts DLED type LED light fitting with lamps and white reflector on false ceiling - ~ 205mm cut out	Nos	30	300	
d	Supply and Installation of minimum 5m length flexible LED strip lights of 22~24 watts in false ceiling coves of Blue / warm White shades with necessary LED driver of same make	m	0	250	
e	Supply and fixing of 2~3 watts LED spot lamp / swivel downlight - warm light for photoframe / decor lighting	Nos	0	300	
f	Dismantling, shifting and fixing of 1 X 20W LED Batten light set on wall /ceiling. Slim with metal body	Nos	7	250	
g	Supply and Installation of 20~40W 2'x2' suspended / (drop) ceiling hanging type Round luminaire decorative (including required fixing frame) -Wipro, HPL, Havells, Orcus, Philips	Nos	0	8500	
h	Supply and Installation of 36~40W out door type street light fixture LED including required fixing frame/pipe,) -Wipro, HPL, Havells, Orcus	Nos	0	2800	
i	Supply & installation of 60 Watts LED light down lighter and on false ceiling (for double height area) - Wipro, HPL, Havells, Orcus, CGL.	Nos	0	3650	
j	Supply & installation of calling bell	Nos	0	450	
k	Supply and installation of 9" size medium duty exhaust fan. (Toilets/ dining)	Nos	0	2225	

	l Supply and installation of 12" size medium duty exhaust fan. (UPS Room)	Nos	0	2350	
m	Supply and Installation of 400 mm sweep wall fan with metal body and blades	Nos	0	4500	
n	Supply amd installation of 1200mm sweep ceiling fan. 5 star rated. (High Speed)	Nos	6	4000	
o	Supply and providing fan rod with painting (upto 1m length) (other than that supplied with fan and if required)	Nos	0	300	
p	Supply and providing fan hook on ceiling.	Nos	0	90	
q	Supply and installation of 9W LED bulb with suitable batten holder (Toilets & UPS light points)	Nos	0	250	
r	Supply and Installation of step type modular electronic regulator, 100W	Nos	0	700	
44	Electrical safety - RUBBER mats of 1.1kV grade 1.8mx.0.9m	Nos	0	1200	
45	Supply and fixing of : 1nos First aid kit, Safety chart, Danger boards-2nos , No Admission boards-1nos	Set	0	2000	
46	Marking of Panels, DBs, its switch and fuse ratings, cable size, location etc (Neat identification from top to extreme load end of both light and power distribution including EB / UPS plug sockets and generator switch boards) using white / black paint and stencil. (free hand writing not allowed). Good quality stickers may also be used.	L.S	0	2500	
47	Charges for Preparation of SLD (Single Line Diagram) , Network diagram of the whole electrical & LAN installations using AutoCAD, Lamination and displaying it inside the UPS room. (Size – A3 /A2/A1).	L.S	1	4000	
48	Service charges for liaison work with EB authorities on behalf of bank for getting sanction for additional load, getting order for statutory payments, shifting/replacements of suitable. Energy meter meter if necessary, submission of completion report, obtaining final load sanction from concerned EB and displaying it in the UPS room after lamination. Etc.	L.S	0	5000	
49	Arranging temporary wiring for counters and cabins during renovation work	L.S	1	12000	
50	Removing old and unwanted wirngs, panels, fixtures from the premises, and disposing the same.	L.S	0	5000	
	PART - A TOTAL AMOUNT IN FIGURES				
PART-B TELEPHONE WIRING					
1	Supply and wiring using 2 pair telephone cable (0.5mm2) in 20mm PVC conduit from the KRONE Box to the individual points. One separate cable for each point. Number of cables in one conduit limited to 5.				
a.	2 pair telephone cabling	m	500	30	

b.	10 pair telephone cabling	m		120
2	Supply and fixing of RJ 11 type modular telephone socket on suitable PVC / metal boxes.			
a.	Telephone socket - single (modular type)	Nos	1	390
b.	Telephone socket - double (modular type)	Nos	14	480
3	Supply and installation of KRONE connector telephone junction box of 40 pair (double door type).	Set	1	2500
4	Supply and installation of KRONE connector telephone junction box of 20 pair.	Set	0	1200
	PART - B TOTAL AMOUNT IN FIGURES			
PART-C : PA & MUSIC SYSTEM				
1	Supply and wiring as per colour code transparent speaker cable 1.50sqmm PVC insulated stranded copper wire 2 runs through ISI grade 20mm conduit for speakers.	m	0	80
2	Supply and providing 9W recessed type speakers on ceiling CS 663 T Ahuja make speaker.	Nos	0	1250
	PART - C TOTAL AMOUNT IN FIGURES			
PART-D : DATA CABLING				
1	Supply and laying of CAT 6 UTP cable through 25mm dia rigid PVC conduit with all accessories etc.(2 run for SBI Connect also)	m	1000	55
2	Supply and fixing of 2nos of CAT 6 Modular Information outlet with SM box on wall / partitions etc.	Nos	15	450
3	Supply and fixing of 1nos of CAT 6 Modular Information outlet with SM box on wall / partitions etc.	Nos	3	390
4	Dismantling and shifting and reinstallation of 17U wall mounted	Nos	1	5000
5	Supply and Installation of CAT6 24 port patch panel in the floor/wall mounted type rack. With cable manager	Nos	2	5850
6	Supply and installation of CAT6 26 port (1000Mbps) switch in the	Nos	0	39000
7	Supply and installation of 1 m long patch chord. (CAT 6)	Nos	33	150
8	Supply and installation of 2 m long patch chord. (CAT 6)	Nos	18	160
9	Supply and installation of 3 m long patch chord. (CAT 6)	Nos	1	250
10	Supply and installation of 5 m long patch chord. (CAT 6)	Nos	1	300
11	Testing of NODES with reports. (with PENTA scan reports)	Nos	33	110
	PART - D TOTAL AMOUNT IN FIGURES			
PART - E Fabrication works				
a	Fabrication of sliding doors with hinges for covering Electrical DBs with perforated sheet metal with powder coated painting.	Sqm	14	5500
PART - A				
PART - B				
PART - C				

PART - D	
PART - E	
TOTAL	

