

**PRICE BID OF ELECTRICAL WORKS AT PROPOSED STATE BANK OF INDIA BRANCH AT KEYLONG**

S.NO.	ITEM /SPECIFICATION	QTY	UNITS	RATE	AMOUNT
<b>PART-I : COMPUTER POINTS &amp; DISTRIBUTION</b>					
1.a.	Supply all material, storing, handling, fixing of computer points computer points in suitable size of GI box including providing 3 nos 5 amps 3 pin modular sockets to be provided under table top and controlled by 1 no 15 A moduler type switch, indicator (to be provided above the table top in partition) with moduler cover plate etc complete as required including 3X2.5 sq. mm copper armored cable.. <b>Note: Maximum two computer points are to be provided on one circuit. (Switches : Make: Anchor/Crabtree/North-West/MK</b>	18.00	each		
2	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing modular type 02 NO 6 pin 15/16 Amp.socket 01 no 15/16 Amp modular switch and indicator modular switch, connections etc. as required including 3X2.5 sq. mm copper armored cable. for printer and <b>BMcabin./ATM</b>	2.00	each		
3	Supply, installation, testing and commissioning of factory fabricated distribution board rust inhibited powder coated sheet fabricated comprising of incoming and outgoing isolator & MCBs neutral link or neutral bus, top and bottom detachable entry earthing bolts interconnection and grouting bolts etc complete as required as per details below. <b>Make: Havells/HPL/Standard/Hager/ Legrand/L&amp;T</b>				
a)	8 way SPN MCBDB Double Door comprising of 1 No 63 Amp DP Isolator and 6 No SPMCB 10/16 Amp. ( UPS output)	1.00	no.		
b)	6 way SPN MCBDB comprising of 1 No 63 Amp DP Isolator and 4 No SPMCB 10/16 Amp.	0.00	No		
c)	4 Way TP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 100 A FP TPN and 6 Nos.32 A DPMCBS etc complete as required. <b>(for Wall mounted heater).</b>	1.00	no.		
d)	4 WayTP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 63 A FP MCB and 12 Nos. 16/20 Amp SPMCBS complete as required. <b>(for Light, Fan point Raw power points).</b>	1.00	no.		
4	Supply, installation, testing and commissioning of following capacity 3 pin metal clad industrial type plug and socket arrangement with plug top, cap and chain controlled by under noted capacity:				
a)	20/25 Amp with 20/25 Amp. C Curve SP MCB. (for branch UPS outgoing ) <b>Make: Havells/HPL/Standard/ Hager/Legrand/L&amp;T</b>	5.00	no.		
b)	32 Amps. with 32 Amp. DP MCB for ACS ( branch UPS incoming )	4.00	no.		
5	Providing and fixing of suitable size MS box fabricated with 16 G MS sheet either in recess wall or on surface to accommodate dedicated earth from earth electrode and further distribution of earth to computer points including providing of 5 mm bakelite on base connector strip and painting of box etc as required.	1.00	job		
6	<b>Wiring of light points, plug points &amp; power points</b>				
	Wiring for light point/ ceiling fan point/ exhaust fan point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit ISI Mark, with 6Amp modular switch, modular plate, suitable GI junction & switch boxes & clip and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. <b>(Make: Havells/ RR Kable / KEI/Finolex)</b>				

	(Rate includes 3 x 2.5 sq.mm FRLS copper conductor, single core cable in PVC conduit for circuit/sub main wiring along with earth wire )				
a)	6 Amp Switch controlling 1 light point	22.00	no.		
b)	6 Amp Switch controlling 4 no. downlights or 2 no. 2'- 0"x 2'-0" 36 watt light fitting	32.00	no.		
c)	5 AMP socket controlled by 5amp switch	14.00	no.		
d)	Primary Wall fan point- 5 AMP socket controlled by 5amp switch	0.00	no.		
e)	As per item 1 above but with 1 no. 15 amp 5 pin modular socket controlled by 1 no. 15 amp <b>modular</b> switch with indicator.(Independent power points are to be provided.) (Raw power only for printer)	18	each		
	<b>Note: Light points to be calculated ny numbers of lights and no extra cost shall be paid for dummy switch.)</b>				
7	Providing and fixing of 03 no 200 Amps KITKAT with 1 no neutral link on suitable size of Bakelite sheet of thickness not less than 12 mm complete as required.	1.00	job		
<b>PART-II : PANELS &amp; CABLES</b>					
8	Supply, installation, testing & commissioning of wall mounted cubical type electrical panel fabricated with 16 S.W.G. MS sheet. The panel shall be free standing type totally enclosed dust & vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth buss bar, bus bar chamber cable alleys interconnections with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of bus bars. the panel shall be painted with 2 coats of enamel paint( gray shade ) over the primer and shall have be provided with designation of incoming and outgoing feeder as per details below:-	1	set		
<b>INCOMING</b>					
(a)	1 no MCCB breaking capacity 36 KA 125 amp 4P, DN SERIES				
(b)	1 set of 200amp 4 strips aluminium bus bar chamber in separate compartment				
(c)	1no. 0-500V Digital multi-meter in a separate compartment & Digital Ammeter and one set of CT's (3no.) with CT ratio 200/5 A with LED type indication lamps with protection fuses in separate compartment				
<b>OUTGOING</b>					
(a)	6 no MCCB breaking capacity 25 KA 63 amp 3P with suitable neutral link, DN SERIES				
9	Supply, Installation, testing & commissioning of PVC insulated PVC sheathed armoured cable of 1100 V ( IS ;1554 Part 1) and fixing of cable on wall with suitable size of clamps /saddles or laid in floor/recess wall including cutting of wall /floor and making good the damages etc complete as required of following sizes (ISI marked). <b>(Make: Havells/ RR Kable/ KEI/Finolex/Pymen)</b>				
a)	3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire. (main panel to DB & UPS panel)	100.00	mtr.		
b)	3X6 sq. mm <b>copper armored cable</b> . (UPS panel to UPS DB)	60.00	mtr.		
c)	3X2.5 sq. mm <b>copper armored cable.(AC DB to SC metal clad)</b>	60.00	mtr.		
10	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium/Copper conductor cable of 1.1 kV grade as required.				
a)	3.5X50 sq.mm aluminum conductor	0.00	no.		
b)	3.5X 25 sq.mm aluminum conductor	12.00	no.		
c)	3X6 sq. mm Copper cable gland.	8.00	no.		
d)	3X2.5 sq. mm Copper cable gland.	12.00	no.		
11	<b>UPS DISTRIBUTION BOARD to be installed at UPS Room</b>				

	supply, installation, testing and commissioning of factory fabricated distribution board rust inhibited, powder coated sheet fabricated comprising of incoming and outgoing isolator and MCB's neutral link or neutral bus, top and bottom detachable entry earthing bolts interconnection and grouting bolts etc complete as reqd. <b>Make: Havells/HPL/Standard/ Hager/ Legrand/L&amp;T</b> as per details below :-				
a	4 way DB comprising of 2 no. 63 amp DPMCB (UPS output)	2	each		
b	4 way TPNDDB Double Door comprising of 1 no. incoming 63 amp MCB & 3 no. 32 DPMCB to be installed at UPS Room wall (UPS input)	1	each		
12	Providing and laying following sizes of PVC insulated copper conductor cable of 1100 V in flexible/ PVC conduit pipe with accessories such as glands bends etc( as per requirement) including making necessary interconnection etc complete as required.				
	2 X 6 Sq mm with 1 no suitable insulated 2.5 sq mm copper wire in PVC flexible pipe. <b>(Make: Havells/ RR Kable / KEI/Finolex)</b>	30.00	mtr.		
13	Supply and fixing the <b>1 no.4 pole 160 Amps capacity change over switch with adaptor box</b> on suitable size of MS base and angle iron frame of suitable size and strength for installation on wall /floor including grouting of frame & painting etc. complete as required. <b>Make: Havells/HPL/Standard/ Hager/ Legrand/L&amp;T</b>	1.00	no.		
14	<b>EARTHING (Vendor to provide picture of earthing pit at the time of execution and earth resistance value)</b>				
	a)Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate	1	Sets		
	i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.				
	b)Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.	2	Sets		
15	a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.	5	Meter		
	b)Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required.	10	Meter		
16	a)Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.	40	Meter		
	b)Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required.	45	Meter		
17	Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing				
	25 mm diameter	45	Meter		
<b>PART III- TELEPHONE &amp; DATA CABLE</b>					
18	Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolytic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of G.I. box modular plate and cover in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd. <b>(Make: Dglink/KEI/Finolex)</b>	12.00	no.		
19	Supply, installation and testing & commissioning of Tag Block 10 pair for telephone connections Make krone	1.00	no.		

20	Providing , Laying, testing & commissioning of 10 pair telephone cable from outside govt. / bsnl DB to Rack for lease line, ISDN of <b>Make: Delton, finolex, polycab.</b>	30.00	mtr.		
21	Data cabling work for computer networking starting from mounting rack at system room with UTP CAT-6e LAN Data cable in 2mm thick 25 mm dia ISI mark PVC conduit with accessories such as bends, Tees, junction boxes including providing and fixing cat-6 I/O plates and SMB complete with all networking accessories etc complete as reqd., testing and ferruling (D-Link/MOLEX/AMP/COMMSCOPE). Note: maximum 6 no. data cable must be run in one pvc pipe.	21.00	no.		
22	Installation, Testing and commissioning of 24-port unmanaged switch 10/100 full duplex complete as reqd.(to be supplied by the bank)	1.00	no.		
23	Supply, installation, testing and commissioning of 24-port Patch Panel	1.00	no.		
24	Supply and installation, testing and commissioning of mounted rack 15" hight made of powder coated MS sheet	1.00	no.		
25	supply, installation, testing and commissioning of factory manufactured CAT-6e patch chord complete with 2 no. connectors etc. complete as reqd.				
	1 mtr. long	21.00	no.		
	2 mtr. long	5.00	no.		
<b>PART-IV : SUPPLY, INSTALLATION TESTING &amp; COMMISSIONING OF FANS &amp; FIXTURES</b>					
26	SITC of 2"x2" Ceiling grid 30 watt LED fixtures with essential driver in false ceiling including making necessary arrangement for mounting the fixtures and connection with 2 x 1.5 sq.mm insulated copper cable from adjacent point in PVC flexible pipe etc Complete as reqd. Make Philips cat. RC 380 B- LED-30-6500PSE OD WH or equivalent of Wipro / Bajaj.	24.00	no.		
27	SITC of 15 watt LED fixtures /dowlighters with essential driver in false ceiling including making necessary arrangement for mounting the fixtures and connection with 2 x 1.5 sq.mm insulated copper cable from adjacent point in PVC flexible pipe etc complete as reqd. Make Phillips cat no. DN - 192 - 1000 or equivalent of Wipro / Bajaj.	44.00	no.		
28	SITC of 5 watt recess mounted <b>LED down light</b> with assembly complete with including making necessary connections etc. Complete as reqd. ( M/s Crompton Cat No. Or equivalent of Philips/Wipro/ Bajaj)	2	no.		
29	SITC of 18 watt of T5 LED fixtures directly on ceiling / wall including making necessary connections with 2x1.5 sq.mm insulated copper cable conductor wire etc. complete as reqd Make Phillips cat no. DN - 192 - 1000 or equivalent of Wipro / Bajaj.	11.00	no.		
30	SITC of 450 mm sweep metal body and metal blades crompton greaves or equivalent SDX BLACK GOLD wall fan etc.1325 sqm high flow complete as reqd. (M/s Crompton High Flo or equivalent of Khaitan / Bajaj/ ORIENT/ TORNADO WALL II)	0.00	no.		
31	4.5/5 Watt LED strip light for cove with Driver (M/s. Philips Wipro / Bajaj ) Complete in all respects required shade warm white/ blue as per requirement.	10.00	MTR.		
32	SITC of 1200 mm CEILING fans complete as reqd. (M/s Crompton High Breeze or equivalent of USHA / Bajaj).	0.00	no.		
33	SITC of 200 mm exhaust fans complete with self opening louvers / shutters including necessary frame etc, complete as reqd. (M/s Crompton High Breeze or equivalent of USHA / Bajaj).	5.00	no.		
34	SITC Of Water Heater/Geyser 15 Litre Capacity Make - Orient, Bajaj, Havells, Osmith, Usha	3.00	no.		
35	SITC Of Wall mounted heater - bajaj majesty 7 PTC wall mount room heater	8.00	no.		

36	SITC of 30 watt Street light for lighting the front side of the branch (M/s Crompton Cat No. LSTS-30-CDL or equivalent of Philips/Wipro .	6	no.		
<b>TOTAL OF PART I - III (A)</b>					
<b>TOTAL OF PART - IV (B)</b>					
<b>SUB TOTAL AMOUNT (A+B)</b>					
<b>GRAND TOTAL</b>					
<b>Add GST @ 18% on Total as applicable</b>					
<b>Note: The vendor have to provide LAN diagram after completion of the work along with the bill, without it payment will not be made.</b>					