

**FINANCIAL BID OF ELECTRICAL WORK FOR STATE BANK OF INDIA, BHATOLI
BRANCH (3188), HIMACHAL**

SN.	DESCRIPTION OF ITEM	QTY.	UNIT	RATE	AMOUNT
	PART- A				
1	UPS & RAW POWER POINTS				
	Supply all materials receiving, storing, handling, fixing & laying of 3 x 2.5 Sq.mm. PVC insulated copper conductor armoured cable and fixing of cable on wall with suitable size of clamps / saddles or laid in floor or recess wall including cutting of floor / wall for computer points with suitable size GI box with modular plate and cover in front including providing and fixing 3 No. 5 amp 3 pin modular socket controlled by 1 No. 5 amp modular switch with indicator , connection end terminations with suitable size of glands etc. complete as reqd.(On UPS Power)	10	No.		
2	As per item 1 above but with 1 no. 15 amp 5 pin modular socket controlled by 1 no. 15 amp modular switch with indicator.(On Raw power only for printer)	4	Each		
3	As per item 1 above but with 2 Nos. 15 A 5 pin socket controlled by 1 no 15 A switch and indicator.	2	Each		
4	DISTRIBUTION BOXES				
	supply, installation, testing and commissioning of factory fabricated distribution board rust inhibited, powder coated sheet fabricated comprising of incoming and outgoing MCB's neutral link or neutral bus, top and bottom detachable entry earthing bolts interconnection and grouting bolts etc complete as reqd. as per details below :-				
(a)	8 way MCBDB double door in recessed wall including cutting of wall and making good the damages comprising of 1no. 63 Amp isolator and 6no. 6/10 Amp MCBs etc. complete as reqd. (For banking hall & 1 for Outdoor Light Fixture)	1	No.		
(b)	6 way MCBDB double door comprising of 1 no. 40 amp isolator and 4 no. 6/10amp MCBs etc. complete as reqd. (For BM cabin, Server Room)	1	No.		
(c)	4 way TPN Double Door MCBDB comprising of 1 no. 100 amp isolator and 12 no. 6-32 amp SP MCBs etc. complete as reqd. (For lighting circuits & power circuits)	1	No.		
(d)	4 way TPN Double Door MCBDB comprising of 1 no. 100 amp isolator and 6 no. 32 amp DP MCBs etc. complete as reqd. (For Ac & ATM)	2	No.		
5	CONTROL AND DISTRIBUTION PANELS				
	Supply and fixing of 3 no. 100 Amp kitkats (fuse carrier & base) with 1 no. neutral link on suitable size of Bakelite sheet of thickness not less than 6mm etc. complete as reqd.	1	No.		
6	NON ESSENTIAL PANEL				

	Supply at site 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		
	INCOMING				
(a)	1 no MCCB breaking capacity 36 KA, DN series, 125 amp 4P (L&T Make)				
(b)	1 set of 160 amp 4 strips aluminium bus bar chamber in separate compartment				
(c)	1no. 0-500V Digital Voltmeter in a separate compartment & Digital Ammeter and one set of CTs (3no.) with CT ratio 150/5A with LED type indication lamps with protection fuses in separate compartment				
	OUTGOING				
(a)	5 no MCCB breaking capacity 25 KA, DN Series, 63 amp 4-pole with suitable neutral link.(L&T Make)				
7	Supply, installation, testing & commissioning of PVC insulated PVC sheathed armored 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 floor/wall and making good the damages etc. complete as reqd. of following sizes:-				
(a)	3.5x50 sq.mm. Aluminium conductor with 2 no. 8 S.W.G. GI wire(from Meter to kit-kat to COS)	0	Per mtr.		
(b)	3.5x35 sq.mm. Aluminium conductor with 2 no. 8 S.W.G. GI wire	0	Per mtr.		
(c)	3.5x25 sq.mm. Aluminium conductor with 2 no. 8 S.W.G. GI wire.U.P.S.&A.C.DB-1,2,&3	30	Per mtr.		
(e)	4x10 sq.mm. Aluminium conductor with 2 no. 8 S.W.G. GI wire (for light DB) & Powder D.B.	60	Per mtr.		
(f)	3x6 sq.mm. Copper conductor with 1 no. 8 S.W.G. GI wire (UPS DB's)	30	Per mtr.		
(g)	3x2.5 sq.mm. copper conductor (for AC distribution)	60	Per mtr.		
(h)	4x4 sq.mm. copper conductor (for AC distribution)	0	Per mtr.		
8	End termination with brass compression glands including providing lugs/ferrules and making necessary connection etc. complete as reqd. following sizes:				
(a)	3.5x50 sq.mm. Aluminium conductor	0	Each		
(b)	3.5x25 sq.mm. Aluminium conductor	8	Each		
(c)	4x10/3x6 / sq.mm. Aluminium/copper conductor	10	Each		
(d)	3x2.5 sq.mm. copper conductor	10	Each		

9	Supply and fixing existing 100A, 4P ON LOAD Change Over Switch with suitable size of angle iron frame suitable for installation on wall/floor including grouting of frame & painting etc. complete as required	1	Job		
10	supply fixing, testing of following 3 pin metal clad industrial type plug & socket arrangement with plug top cap & chain controlled by 1 No. MCB				
(a)	20/25 amp with 20/25 amp SPMCB(For ups)	12	No.		
(b)	30amp with 32 amp TPNMCB (For Cassatte ACs)	0	No.		
(c)	30amp with 32 amp DPMCB.	2	No.		
(d)	30amp with 32 amp SPMCB.	3	No.		
11	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. as per details below :-				
a.	4 way DB comprising of 1 no. 63 amp 4 pole TPN MCB (for UPS input)	1	Each		
b.	4 way DB comprising of 2 no. 63 amp DPMCB (UPS out put)	2	Each		
12	providing and laying following sizes of PVC insulated copper conductor cable of 1100V in flexible/PVC conduit with accessories such as glands, bends etc. (as per requirement) including making necessary inter connection etc complete as reqd. 2X6 sq.mm with 1 suitable PVC insulated earth wire	30	Per mtr.		
13	providing and fixing suitable size of MS box fabricated with 16 S.W.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 5mm Bakelite sheet on base connector strip and painting of box etc complete as reqd	1	Job		
14	EARTHING				
(a)	supply and fix copper plate earth station with 600x600x3 mm thick copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i/c excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as reqd as per IS-3043-1987. The voltage between neutral & earth must be below 1 volt.	1	Set		
(b)	supply and fix G.I. plate earth station with 600x600x6 mm thick G.I. plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i/c excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as reqd as per IS-3043-1987.	2	Set		
15	(a) supplying, fixing & termination of 20x3 mm copper strip with earth station below ground level etc complete as reqd.	3	Per mtr.		

	(b) supplying, fixing & termination of 32x6 mm G.I. strip with earth station below ground level and on wall saddle etc complete	6	Per mtr.		
16	(a) providing and fixing 8 S.W.G. copper earth wire on surface or in recess for loop earthing etc. as reqd.	40	Per mtr.		
	(b) providing and fixing 8 S.W.G. G.I. earth wire on surface or in recess for loop earthing etc. as reqd.	30	Per mtr.		
17	Supply & laying 2mm thick 25 mm dia ISI mark PVC conduit pipe complete with accessories such as bends, junction boxes etc under floor or in recessed walls from copper earth electrode to UPS room for computer dedicated earthing, from GI earth electrode to main panel & UPS panel etc. wherever reqd. Note: flexible pipe not to be used any where.	80	Per mtr.		
18	Providing wiring for telephone points with 0.5 mm dia 2 pair insulated annealed tinned electrolytic copper conductor in 2mm thick 25mm 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. Note: flexible pipe not to be used any where.	5	No.		
19	Supply & fixing of 10 pair FRP/PVC/Metal junction box with KRONE disconnection module necessary tag for identification	1	No.		
20	supply, installation, testing and commissioning of 20 pair telephone unarmoured cable as required. (Make-finolex/delton/polycab)	40	Per mtr.		
21	Automatic Programmable Time Switch 24 Hour for e-lobby (Make: L&T or equivelent to Legrand/Havells/Seimens)	1	No.		
22	COMMUNICATIONS				
	Networking for computer networking starting from mounting rack withUTP CAT-6 Cable in 2mm thick 25 mm thick dia ISI mark PVC conduit with accessories such as bends, junction boxes including providing and fixing I/O plates and SMB complete with all networking accessories etc complete as reqd. Note : flexxible pipe not to be used any where.	14	No.		
23	Supply, installation, testing and commissioning of 24-Port Patch Panel.	1	No.		
24	Supply, installation, testing and commissioning of mounted rack 15" height made of powder coated MS sheet.	1	No.		
25	Supply, installation, testing and commissioning of Factory made patch cable CAT-6 complete with 2 no. connectors etc.complete as reqd.				
a.	1 mtr.Long	14	No.		
b.	2 mtr. Long	10	No.		

26	Supply, installation, testing and commissioning of refrigeration pipe including cutting of wall and fixing with suitable saddles or clamps, providing suitable size of sleeves for passing refrigerant pipe from indoor to outdoor unit including making necessary arrangement etc. complete as required.				
a.	For High Wall A.C. (1.0 & 1.5 Tr) Copper pipe size (1/2" & 1/4")	40	Per mtr.		
b.	HWS/Cassette A.C. (2.0 Tr & 3.0Tr) Copper pipe size (5/8" & 3/8")	25	Per mtr.		
27	Supply & fixing of 25 mm dia hard pipe for drain complete with all accessories such as tee, bend cutting chases making good the damages and leak proof joints to avoid seepage in wall/floor etc. complete as required.	45	Per mtr.		
28	Cutting of floor/wall for laying of drain pipe including making good the damages etc. complete as required (excluding the area having ceramic floor tiles, where the chased floor will be got repaired by the firm executing the A.C. work, however, ceramic tiles will be got fixed by the Bank.	50	Per mtr.		
29	Supply and laying of 3 core 2.5 sq mm FRLS copper flexible cable (for HWS AC) Make: Finolex / Polycab / Havells / Pyemen / Ecko	50	Per mtr.		
30	Supply and laying of 4 core 2.5 sq mm FRLS copper flexible cable (for HWS AC) Make: Finolex / Polycab / Havells / Pyemen / Ecko	35	Per mtr.		
31	Taking down & Refixing of Existing 1.5 Tr Split A.C including filling of Gas complete in all respect upto the satisfaction of consultant / engineer incharge	3	No.		
32	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular socket, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. including circuit wiring with 2x2.5 sq mm + 1x1.5 sq mm.				
a.	One light / fan /call bell point controlled by one switch	25	No.		
b.	Two light points controlled by one switch	30	No.		
c.	One switch controlled by one socket (independent for wall fan)	10	No.		
d.	One plug point	10	No.		
	TOTAL PART - A				
	PART- B				
	SUPPLY OF FAN & FIXTURES				
1	SITC of 36 watt recess mounted LED Light panel suitable for 2' x 2' modular/gypsum ceiling with assembly complete with including making necessary frames & connections etc. Complete as reqd. (M/s Crompton Cat No. LCTLRN-36-FO-CDL or equivalent of Philips/Wipro/ Bajaj)	9	No.		

2	SITC of 15 watt recess mounted LED down lighter with assembly complete with including making necessary connections etc. Complete as reqd. (M/s Crompton Cat No. LCDE-15-CDL or equivalent of Philips/Wipro/ Bajaj)	52	No.		
3	SITC of 450 mm full metallic body wall fan etc complete as reqd. (M/s crompton high flow or equivalent of Khaitan/Bajaj)	9	No.		
4	Supply and fixing of LED type fitting 20 watt, 4 feet (M/s Phillips or equivalent of Wipro/ bajaj/Crompton)	6	No.		
5	Supply and installation of 12" size, Heavy duty,metallic frame exhaust fan. (Make: Crompton/Usha/ Bajaj (Necessary framing, wall cutting & finishing to be done by Contractor)	5	No.		
6	Supply Installation, testing & commissioning of LED STRIP light with driver and Accessories complete as required (MS CROMPTON or equivalent of WIPRO,PHILLIPS, BAJAJ etc.				
a)	Warm white Cat No. 38389 (M/S Philips)	5	Per mtr.		
b)	Blue Colour Cat No.LST 20 BL(M/s Crompton)	5	Per mtr.		
7	SITC of 25 watt Street light for lighting the front side of the branch(M/s Crompton Cat No. LSTS-25-CDL or equivalent of Philips/Wipro .	3	No.		
8	Supply and installation of 48" Ceiling fan with regulator, hanging hook etc complete as reqd. (M/s crompton or equivalent of Usha/Bajaj)	3	No.		
TOTAL PART - B					
Note: Only two computer points are to be provided on one circuit. Independent circuit for Raw power plug and A.C point is to be provided starting from MCB distribution system					
TOTAL (PART A+B)					
9	Less buy back of Old & Non functional electrical items (except Led Lights, Wall Fans, & Exhaust Fans)	1	Lumsum.		
(Bank reserves the right not to dispose of above items as per salvage value)					
TOTAL ELECTRICAL WORK					
Seal & Signature Of Vendor					