

**PRICE-BID**

**NAME OF THE WORK: ELECTRICAL, LIGHTING & DATA NETWORKING WORKS AT STATE BANK OF INDIA, GLOBAL NRI HUB, PATIALA**

S.No.	Item / Specifications	Qty.	Units	Rate	Amount
<b>PART-I : COMPUTER POINTS &amp; DISTRIBUTION</b>					
1.1	Supply all material, storing, handling, fixing and laying of 3X2.5 Sq. mm. 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 for computer points in suitable size of box fabricated with 16 G MS sheet including providing <u>3 nos 5 amps 3 pin modular sockets controlled by 1 no 5 A modular type switch</u> , indicator and fuse mounted on 3 mm thick ISI marked hylam sheet and painting of box etc complete as required Note; max. two computer points are to be provided on one circuit.	105	each		
1.2	As per item 1 above but with 1 Nos. 15 A 5 pin socket controlled by 1 no 15 A switch and indicator.	32	each		
1.3	As per item 1 above but with 2 Nos. 15 A 5 pin socket controlled by 1 no 15 A switch and indicator.	10	Each		
1.4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
a)	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	15	Mtr		
b)	4 X 10 sq. mm + 1 X 6 sq. mm earth wire	20	Mtr		
1.5	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				
a)	12-way SPN MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 63 A DP Isolator and 10 Nos. 6/10 A MCBS etc complete as required. (UPS DB)	5	no.		
b)	8 way SPN MCBDB Double door comprising 1 no 40 A Isolator and 6 Nos. 6/10 A SPMCB.	1	no.		
c)	4 way SPN DB comprising of 2 nos 63A DP MCB	6	no.		
d)	4 Way TP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising	4	no.		

	of 1 no 100 A 4P Isolator and 12 Nos. 20/25/32 A SPMCBS etc complete as required (POWER DB)				
e)	4 Way TP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 100 A 4P Isolator and 12 Nos. 6-32 A SPMCBS etc complete as required.(LIGHT Dbs)	4	no.		
g)	4 Way TP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 100 A 4P Isolator and 12 Nos. 6/10 A SPMCBS etc complete as required.(AC-INDOORS Db)	4	no.		
1.6	Supply installation testing and commissioning of following 3 pin metal clad industrial type plug and socket arrangement with plug top, cap and chain controlled by 1 No MCB				
a)	20 Amps. with 20 Amp. SP MCB.	12	no.		
b)	30 Amps. with 63 Amp. SP MCB.	4	no.		
1.7	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	job		
	<b>TOTAL OF PART -I</b>				
<b>PART-II : PANELS &amp; CABLES</b>					
2.1	SHIFTING OF EXISTING UPS INPUT PANEL & CABLE				
	Shifting of existing UPS input panel & the connecting cable from it's current location at FF and re-fixing, making connection etc. as per instructions given.	1	job		
2.2	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)				
a)	3.5X95 sq. mm aluminium conductors with two Nos. 8 SWG GI wire.	15	mtr.		
b)	3.5X35 sq. mm aluminium conductors with two Nos. 8 SWG GI wire.	15	mtr.		
c)	3.5x25 sq. mm aluminium conductors with two Nos. 8 SWG GI wire.	30	mtr.		
d)	4X10 sq. mm aluminum conductor with one no 8 SWG GI wire.	400	mtr.		
e)	3X6 sq. mm copper conductor armoured .	270	mtr.		
f)	3X2.5 sq. mm copper conductor armoured	10	mtr.		

g)	4x35 sq. mm copper conductors with two Nos. 8 SWG GI wire.	70	mtr.		
2.3	End termination with brass compression glands including providing of lugs/ferrules and making necessary connection etc complete as required of the following sizes:				
a)	3.5X95 sq. mm aluminium conductors	4	no.		
b)	3.5X35 sq.mm aluminum conductor	4	no.		
c)	3.5X25 sq. mm aluminum conductors	2	no.		
d)	4X10Sq.mm aluminum conductor	18	no.		
e)	3X6 sq. mm copper conductor	12	no.		
f)	3X2.5 sq. mm copper conductor	2	no.		
g)	4x35 sq. mm copper conductors with two Nos. 8 SWG GI wire.	4	no.		
2.4	Providing and fixing 16 G MS sheet adopter box and also base frame for installation of MCB DBs plug and socket arrangements and to cover cables in system room including painting etc complete as required.				
	for UPS input/output distribution	1	no.		
	<b>TOTAL OF PART -II</b>				
<b>PART-III : EARTHING</b>					
3.1	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 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.	1	set		
3.2	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	set		
3.3	Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.	5	mtr.		
3.4	Supply fixing and termination of 32x6 mm G.I. strip with earth station below ground level etc as required.	10	mtr.		
3.5	Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.	60	mtr.		
3.6	Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required.	90	mtr.		
3.7	Supply and laying following dia 3.38 mm( Confirming to ASTM D1785 Standard) in thickness heavy duty PVC pipe				

	under floor or in recessed walls for AC drains. including bends Tees Etc. making good the damages etc. wherever required..				
	25mm	150	mtr.		
3.8	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 including bends Tees Etc. making good the damages etc. wherever required..				
	25 mm diameter	120	mtr.		
	<b>TOTAL OF PART -III</b>				
<b>PART-IV : TELEPHONE .</b>					
4.1	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.	80	no.		
4.2	Supply installation and testing of Tag Block 20 pair for telephone connections	4	no.		
4.3	Supply and fixing 10 Pair Telephone Cable	60	mtr		
	<b>TOTAL OF PART - IV</b>				
<b>PART-V : NETWORKING</b>					
5.1	Wiring for computer net working starting from mounting rack with UTP Cat 6 cable in 2 mm thick 25 mm dia ISI marked PVC conduit pipe with accessories such as bends, junction boxes including providing and fixing I/O plates and SMB complete with all networking accessories etc complete as required	170	No		
5.2	Supply & Installation testing and commissioning of 24 port Patch Panel, complete in all respects.	8	No		
5.3	Supply & Installation testing and commissioning of mounting rack 12U high made of powder coated MS sheet complete.	5	No		
5.4	Supply Fixing and commissioning of Patch cable cat 6 of complete with 2 nos of connectors etc complete as required.( factory manufactured)				
	(a) 1 meter long	170	No		
	(b) 2 meter long	85	No		
	<b>TOTAL OF PART - V</b>				

<b>PART-VI : SITC OF FANS &amp; FIXTURES</b>					
6.1	SITC of 2"x2" Ceiling grid 33-36 watt LED panel 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 / Crompton.	107	no.		
6.2	SITC of 33 watt LED fitting, with DRIVER etc. Complete as reqd. WIPRO cat. LM29-451-XXX-57-RCC suitable for SUSPENDED INSTALLATION from wooden ceiling.(Verge LED) Watt 6500 K equivalent of Philips/Wipro / Bajaj .	8	no.		
6.3	SITC of 33 watt LED fitting, with DRIVER etc. Complete as reqd. WIPRO cat. LM29-451-XXX-57-GRD suitable for SUSPENDED INSTALLATION from T-Grid ceiling.(Verge LED) Watt 6500 K equivalent of Philips/Wipro / Bajaj .	2	no.		
	SITC of suspended LED light fixture of overall size of 12'-0" x 4'-0" ( total wattge- 160W) having powder coated extruded aluminium housing, translucent satin finsh LED PMMA diffuser, with LED driver duly wired up to terminal block, suitable for standalone & continuous installation, conforming to IS10322 part5, complete in all respects including suspension system, comprising of parts as below:	1	set		
a)	2 No. x 8'-0" length (40 W) CAT No. LM34-501-XX40WG2L				
b)	4 No. x 2'-0" length (10 W) CAT No. LM34-101-XX40WG2L				
c)	4 No. x (1'-0"x1'-0") L-connector (10 W) CAT No. LM34-930-90L40WG2L				
6.4	SITC of 12 watt recess mounted LED down light with assembly complete with including making necessary connections etc. Complete as reqd. ( M/s Crompton Cat No. Or equivalent of Philips/Wipro/ Bajaj)	67	no.		
6.5	SITC of 9watt SURFACE MOUNTED LED down light with assembly complete with including making necessary connections etc. Complete as reqd. ( M/s Crompton Cat No. Or equivalent of Philips/Wipro/ Bajaj) in PASSAGE	49	no.		
6.6	Supply of recess 7 watt LED COB spotlight assembly with driver complete as reqd. Phillips ASTRASPOT 7W or equivalent of Wipro / Bajaj	4	no.		
6.7	Supply Installation, testing & commissioning of 5W LED STRIP light with driver and Accessories complete as required ( MS CROMPTON or equivalent of WIPRO , PHILLIPS, BAJAJ etc.	80	mtr		
6.8	SITC of 18 /20 watt of T5 LED fixtures directly on ceiling / wall including making necessary connections with 2x1.5 sq.mm insulated copper cable conductor wire etc.	5	no.		

	complete as reqd Make Phillips cat no. DN - 192 - 1000 or equivalent of Wipro / Bajaj.				
6.9	SITC of 450 mm sweep metal body wall fan complete as reqd. (M/s Crompton Metal frame or equivalent of Khaitan / Bajaj	52	no.		
6.10	SITC of Exhaust Fan 12 inch dia, metal body of CROMPTON / BAJAJ /KHAITAN	9	no.		
6.11	SITC of 10 watt (2'-0" length) LED mirror light fixed on wall including making necessary connections with 2x1.5 sq.mm insulated copper cable conductor wire etc. complete as reqd Model-MAGMA 10W of Wipro or equivalent of Phillips/Havells	9	no.		
	<b>TOTAL OF PART -VI</b>				
	<b><u>SUMMARY</u></b>				
	<b>TOTAL OF PART I-V(A)</b>				
	<b>TOTAL OF PART - VI (B)</b>				
	<b>TOTAL (A+B)</b>				
Amount in Words:					

SIGNATURES OF THE CONTRACTOR WITH SEAL