	PRICE BID FOR ELECTRICAL WORK OF STATE BANK OF INDIA, AT BRANCH SHAHZADI, FEROZEPUR BILL OF QUANTITIES (ELECTRICAL INSTALLATION)					
S. No.	Item	Quantity	Units	Rate	Amount	
1	SUB HEAD 1 (COMPUTER POINTS AND DISTRIBUTION)	Quantity	Units	nate	Amount	
1	Supply all materials, receiving, storing, handling, fixing and laying 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 recessed 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 5 pin modular sockets controlled by 1 no. 5Amp switch with indicator, connection end terminations with suitable size of glands etc. complete as required. (Only two points can be connected in series with single cable) (note: 5amp switch and indicator to be fixed on top of table and sockets to be fixed under the table, complete as required)	20.00	Each			
	3 points for BM Cabin, 2 points for Networking Equipment's in Banking Hall and 2 per SWC					
2	As per item 1 above but with 2 no. 16 amp 5 pin modular sockets controlled by 1 no. 16 amp modular switch and 6 amp indicator Lamp including the cover plate.	6.00	Each			
	As per item 1 above but with 1 no. 16 amp 5 pin modular sockets controlled by 1 no. 16 amp modular switch and 6 amp indicator Lamp including the cover plate.	10.00	Each			
3	wiring for lightpoints/ceiling points/ Exhaust Fans 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 plate suitable gi box and earthing the point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable etc. including circuit wiring with 2 X 2.5 sq. mm +1 x 2.5 sq. mm earth wire as required (HT upto 4.5 m from floor)					
(a)	1 no light controlled by 1 no switch	15.00	Each			
(b)	2 no light controlled by 1 no switch	28.00	Each			
(c)	5/6 pin 6 amp plug point with 6 amp switch	12.00	Each			
4	Extension of wall fans: Extension of existing points with 2xl.5 sq.mm. PVC insulated copper conductor cable in suitable dia MS conduit in recess conduit wiring system for wall fan points with modular switches of 6 amp and 5 amp 5 pin modular sockets as per requirement and filling chassis etc complete as reqd.	12.00	no.			
5	Providing & laying following sizes of PVC insulated copper conductor cable of 1100 V in flexible/PVC conduit with accessories such as glands. bends etc.(as per requirement) including making necessary Inter connection etc complete as reqd.					
	2 x 6 sq.mm with 1 no. suitable PVC insulated earth wire	30.00	mtr.			
6	Supply Installation, testing & commissioning of factory fabricated distribution board rust inhibited, powder coated Sheet sheet fabricated comprising of incoming & outgoing isolator & MCB's neutral link or neutral bus,top and bottom detachable entry earthing bolts Interconnection and grouting bolts etc complete as require as per details below:-					
a)	12 way MCBDB comprising of 1 no. 63 amp DPMCB "C"Series and 10 no. 6/10amp SPMCB's "C" SERIES. (for the UPS points each DB to be connected to 12 UPS points i.e only two points shall be connected with one MCB)	1.00	each			
b)	6 way MCBDB comprising of 1 no. 63 amp DPMCB "C"Series and 4 no. 6/10amp SPMCB's "C" SERIES. (for the UPS points each DB to be connected to 12 UPS points i.e only two points shall be connected with one MCB)	2.00	each			
c)	4 way TPDB comprising of 1 no. 100 amp 4 pole isolator and 6 no. 25 amp DPMCB (for Ac's). To be fixed in Banking Hall. DPMCB must be of C Series.	1.00	Each			
d)	4 way TPDB comprising of 1 no. 100 amp 4 pole isolator and 6 no. 16 amp DPMCB (for Ac's). To be fixed in Banking Hall. DPMCB must be of C Series.	1.00	Each			
e)	4 way TPDB comprising of 1 no. 100 amp 4 pole isolator and 3 no. 32 amp TPNMCB (for Ac's). To be fixed in Banking Hall. DPMCB must be of C Series.	1.00	Each			
f)	4 way DB comprising of 1 no. 63 amp 4 pole TPNMCB (for UPS I/C).	1.00	Each			
g) h)	4 way DB comprising of 2 no. 32 amp DPMCB (for UPS) "C" Series 4 way TPDB comprising of 1 no. 63 Ampere TPNMCB C series and 12 nos. 6/10	3.00 1.00	Each each			
	amp SPMCB C Series.(For the lighting circuit and power circuit) 4 way TPDB comprising of 1 no. 63 Ampere TPNMCB C series and 12 nos. 16/10		22.0			
i)	amp SPMCB C Series. (For the lighting circuit and power circuit)	1.00	each			
7	Supply, fixing and testing of following 3 pin metal clad industrial type plug & socket arrangement with plug top cap & chain controlled by 1 No. MCB					

S. No.	Item	Quantity	Units	Rate	Amount
a)	20/25 amp with 20/25 amp SPMCB (one for making the plug socket	Quantity	Uiillo	nate	Amount
ω,	arrangement for the record room so that the supply is connected only when	4.00			
	the plug is inserted in the socket outside the record room for fire safety)	4.00	no.		
	, ,				
b)	30 amp with 32 amp SPMCB	3.00	no.		
8.1	Providing & fixing, testing and commissioning of Heavy Duty modular air-				
	conditioningplug & socket arrangement.				
a)	16 amp air-conditioning point modular type socket (to be fixed 1.5 foot below false	0.00			
	ceiling) with 16 amp SPMCB C SERIES (to be fixed at Normal Height).	6.00	each		
	As per the Plan providing by the Architect for Split A.C.				
8.2	Supply, installation, testing & 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: (Make: Havells / Standard / Legrand/ L&T)				
a)	25 Amp with 25 Amp. DP MCB for A.Cs (for 2.0 TR Cassette AC's)	1.00	each		
9	Providing & fixing suitable size of MS box fabricated with 16 S.W.G.M.S. 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		l		
	5mm backalite sheet on base connector strip and painting of box etc. complete as	1.00	job		
	regd.				
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-	TOTAL SUB-HEAD -1				
	SUB HEAD 2(PANELS & CABLES)				
1	Providing & fixing 3 No.200 amp kit-kats (fuse carrier & base) with 1 no. neutral				
	link on suitable size of backalite sheet of thickness not less than 6 mm etc.	1.00	job		
	complete as reqd.				
	MAIN PANEL				
2a)	Supply at site installation, testing & commissioning of panel fabricated with 16				
	S.W.G.M.S. 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, G.1. earth bus 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 (grey shade) over the primer and shall also be provided with				
	designation of incoming & outgoing feeder as per details below-				
	INCOMING				
a)	160 amp MCCB 4 pole with 36 KA breaking capacity at 415 Volts/ HIGHEST				
,	AVAILABLE.				
b)	1 set of 300 amp TPN aluminium bus-bar chamber				
c)	1 no. 0-500 V Voltmeter with selector switch in a separate compartment and amp				
	meter with selector switch and one set of CT's (3 no.) with CT ratio 250/5 with LED				
	type indication lamps with protection fuses in a separate compartment				
	OUTGOING				
a)	5 nos 63 AMP 3 pole MCCB (MCCB'S WITH 25KA BREAKING CAPACITY at				
α,	415 Volts. / HIGHEST AVAILABLE).	1.00	set		
b)	1 nos 100 AMP 3 pole MCCB (MCCB'S WITH 25KA BREAKING CAPACITY at				
	415 Volts. / HIGHEST AVAILABLE).				
c)	1 nos 125 AMP 4 pole MCCB (MCCB'S WITH 36KA BREAKING CAPACITY at				
<u> </u>	415 Volts. / HIGHEST AVAILABLE).				
3	Supply, installation, testing & commissioning of PVC insulated PVC sheathed armored cable of 1100 V (IS-1554 part I) 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 reed. of following sizes:-				
	5 5				
<u> </u>					
a)	3.5 x 50 sq.mm. aluminium conductor with 2 no. 8S.WG.G.1. wire (from the				
	Meter to the Main panel)(from the Genset to the Change over and from	75.00	per mtr.		
	change over to the essential panel, from the main panel to the essential panel.)				
b)	3 x 2.5 sq.mm. copper conductor (for the Air-conditioning wiring)	80.00	per mtr.		
c)	3.5 x 2.5 sq.mm. aluminium conductor with 2 no. 8S.WG.G.1. wire				
",	(fromkitkat/essential panel to UPS I/C)	40.00	per mtr.		
d)	4 x 10 sq.mm. aluminium conductor with 1 no. 8 S.WG. G.1. wire (from the	40.00	no		
	essential panel to the Lighting DB, UPS panel and ACDB)	40.00	per mtr.		
e)	3 x 6 sq.mm copper conductor (for UPS DB)	80.00	per mtr.		
F)	4 x 4 sq.mm copper conductor (for AC)	25.00	per mtr.		
4	End termination with Brass compression glands including providing lugs/ferruls and				
	making necessary connections etc. complete as reqd. of following sizes:-				
<u> </u>	0.550	4.00			
a)	3.5 x 50sq.mm. aluminium conductor	4.00	each		
b)	3 x 2.5 sq.mm. copper conductor 3.5 x 25 sq.mm. aluminium conductor with 2 no. 8S.WG.G.1. wire	22.00	each		
d)	4 x 10sq.mm. aluminium conductor with 2 no. 85.WG.G.1. Wire	8.00 6.00	each each		
e)	3 x 6/ 4 X 4 sq.mm copper conductor	12.00	each		
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S. No.	Item	Quantity	Units	Rate	Amount
5	Providing & fixing suitable size of angle iron frame suitable for installation on				
	wall/floor including grouting of frame &painting etc. complete as reqd. comprising of				
	the following:				
a)	1 NO.4 pole 200 amp capacity changeover switch	1.00	job		
6	Providing & fixing 16 S.W.G. M.S. Sheet adapter box, and also base frame for				
	installation of M.C.B. D.B.'s plug &socket arrangement and to cover cables in	1.00	sqmt.		
	system room including painting etc. complete	1.00	oqiii.		
	ESSENTIAL MAIN PANEL (EMP)				
2b)	Supply at site installation, testing & commissioning of panel fabricated with 16				
	S.W.G.M.S. 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, G.1. earth bus 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 (grey shade)over the primer and shall also be provided with				
	designation of incoming & outgoing feeder as per details below-				
	INCOMING				
a)	125 amp MCCB 4 pole WITH 36 KA breaking capacity AT 415 VOLTS.				
b)	1 set of 200 amp TPN aluminium bus-bar chamber				
c)	1 no. 0-500 V Voltmeter with selector switch in a separate compartment and amp				
٥,	meter with selector switch and one set of CT's (3 no.) with CT ratio 160/5 A with				
	LED type indication lamps with protection fuses in a separate compartment				
	TEED type indication ramps with protection ruses in a separate compartment				
				<u></u>	
	OUTGOING				
a)	1 No. 100 amp 3 pole MCCB, 4 -63 AMP 3 pole MCCB and 1 No. Space for				
_	100amp switch with separate neutral link. (MCCB'S WITH 25KA BREAKING	1.00	set		
	CAPACITY at 415 Volts.)		301		
 	TOTAL SUB -HEAD 2				
- 4 - 4	SUB-HEAD 3 (EARTHING)				
1.1	Supply &fix copper plate earth station with 600x6000x3mm thick copper plate				
	including all accessories such as watering pipe & funnel and providing masonary				
	enclosure at top with cover plate i/c excavation of pit supplying & filling of salt	1.00	set		
	charcoal, refilling of pit etc complete as reqd as per IS 3043-1987. The voltage	1.00	361		
	between neutral & earth must be below 1 volt.				
1.2	Supply & fix G.I. plate earth station with 600x600x6mm thick G.I. plate including all				
	accessories such as watering pipe & funnel and providing masonary enclosure at				
	top with cover plate i/c excavation of pit, supplying & filling of charcoal, refilling of				
	pit etc complete as regd as per IS 3043-1987 (for the neutral earthing from the	0.00			
	point of neutral link beside the fuse connection and second for the body	2.00	set		
	l' .				
	earthing connected to both panel body and the ups base panel)				
	NOTE: chamber for the earthing shall be available at site without it the				
	earthing cost shall not be paid for all the Earthing You are also required to				
	provide picture of earthing taken at the time of execution of the same.				
	, ,				
2	Supplying and laying 20 mm X 3 mm copper strip at 0.50 meter below ground as				
	strip earth electrode, including connection/ terminating with nut, bolt, spring,	3.00	mtr.		
	washer etc. as required				
	Supplying, fixing & termination of 32 mm X 6 mm GI strip with earth station below				
	ground level and on wall saddle etc complete as reqd.	6.00	mtr.		
3	Providing & fixing 8 S.W.G. Cu earth wire on surface or in recess for loop earthing				
3	etc. as regd.	25.00	mtr.		
	Providing & fixing 6 S.W.G G.I. earth wire on surface or in recess for loopearthing				
		60.00	mtr.		
<u> </u>	etc. as reqd.				
4	Supply & 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,				
	for data cabling, electrical cabling etc. including providing 1 no. G.I. pull wire for				
	data cabling making good the damages etc. wherever reqd.				
a)	25mm	90.00	mtr.		
	TOTAL SUB-HEAD -3				
	SUB HEAD 4 (NETWORKING)				
1	Wiring for computer networking starting from mounting rack with UTP CAT-6 cable				
	in 2 mm thick 25mm dia ISI mark PVC conduit with accessories such as bends,				
	junction boxes including providing and fixing I/O plates and SMB complete with	20.00	no.		
	ferruling & all networking accessories etc complete as reqd.	_0.00			
	a series and series and series and rodge.				
	Installation, tooting and commissioning of 04 new commission 40/400 fell				
2	Installation, testing and commissioning of 24-port unmanaged switch 10/100 full	0.00	no.		
	duplex complete as reqd. (to be supplied by the bank)				
3	Supply, installation, testing and commissioning of 24-port Patch Panel	1.00	no.		
4	Supply installation testing and commissioning of mounted rack 15" height made	1.00	no.		
	of powder coated MS sheet.	1.00	110.		
5	Supply, fixing and commissioning of patch cable Cat-6 complete with 2 no.				
	connectors etc. complete as reqd.				
a)	1m long	20.00	no.		
b)	2m long	10.00	no.		
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S. No. c)	Item Supply, fixing and commissioning of cable Cat-6 complete with 2 no. connectors or	Quantity	Units	Rate	Amount
C)	as required etc. complete as regd including upvc 19mm dia. pipe conduit of heavy	40.00			
	duty.	10.00	mtr.		
6	Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned				
	electrolatic 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	0.00			
	G.I. box modular plate and cover in front on surface or in recess including	8.00	no.		
	providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as regd.				
	·				
7	Supply, fixing and commissioning of 20 pair tag block for telephone points. (box	1.00	no.		
	and strips Krone make)				
	TOTAL SUB -HEAD 4				
	SUB-HEAD 5 (AIR CONDITIONING PIPING WORK)				
1	Supplying & Laying of following COPPER REFRIGERANT PIPING Thickness 22				
	SWG For Hi-wall Split AC complete with fittings Suction / Discharge line insulated				
	with 12 mm SUPERLON / ARMAFLEX suction line. Multi-runs between Indoor &				
	Outdoor units shall be considered as ONE length for the purpose of measurement.				
	1/4" + 1/2" Refrigerant piping - For 1/ 1.5 ton Hi wall Split AC's	150.00	per mtr.		
	5/8 " + 3/8" for 2 /3 ton HWS /CASSETTE AC	40.00	per mtr.		
2	Supply and laying following dia 3.38mm (confirming to ASTM D1785 standard) in				
	thickness, heavy duty PVC pipe under floor or recessed in walls for AC drains, { To				
	nearest To including bends, Tees etc as required complete in all respect				
		120.00	per mtr.		
3	Electrical flexible cable of 4 x 2.5sq.mm FRLS Cu cable multi strand suitable for 2				
	Tr H.W Split & 1.5 Tr H.W Split.	150.00	per mtr.		
4	Electrical flexible cable of 3 x 2.5sq.mm FRLS Cu cable multi strand suitable for 2				
	Tr H.W Split & 1.5 Tr H.W Split.	50.00	per mtr.		
	TOTAL SUB-HEAD 5				
	SUB HEAD 6 (SUPPLY OF FANS & FIXTURES)				
1	Supply and Installation of 36 watt. LED fitting crompton greaves (or equivalent)				
	LCTLRN-36-FO-CDL complete as required	26.00	no.		
2	Supply and Installation of 15 watt. LED fitting crompton greaves (or equivalent)	21.00			
	LSDRMN-15 W-CDL complete as required	31.00	no.		
3	SITC of 5 watt LED fixtures /dowlighters with essential driver in trophy case				
	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	15.00	no.		
	etc complete as reqd. Make Phillips or equivalent of Wipro / Bajaj.				
4	Supply and Installation of 450 mm sweep metal body and metal blades Turbo 180,				
7	USHA make or equilaent Crompton/Havells	12.00	no.		
5	Supply and Installation 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	25.00	MTR.		
	requirement.				
6	Supply and Installation of following Batten type LED fittings complete as reqd.				
a)	Supply and Installation of LED fitting 18 watt LCTL-18-CDL OF CROMPTON OR	31.00	no.		
	EQUIVALENT OF PHILIPS/WIPRO				
7	Supply and Installation of 48" sweep BLDC ceiling fans complete with regulator, hanging shackle & suitable down rod as per site conditioning complete as regd.	1.00			
	(M/s Crompton high breeze or equivalent of USHA / Bajaj)	1.00	no.		
8	Supply and Installation of 250 mm (sweep) metal body exhaust fans complete				
	with self opening louvers/shutters etc. complete as regd. (M/s Crompton or	4.00	no.		
	equivalent of USHA / Havells)				
9	SITC of 30 watt street light/flood light for lighting the front side of the branch (with				
	jounction box complete as required) (M/s Crompton Cat No. LSTS-30-CDL or	2.00	no.		
	equivalent of Philips/Wipro.				
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	TOTAL SUB - HEAD 6				
	TOTAL SUB-HEAD-1				
	TOTAL SUB-HEAD-1				
	TOTAL SUB-HEAD-3				
	TOTAL SUB-HEAD-4				
	TOTAL SUB-HEAD-5				
	TOTAL SUB-HEAD-6				
	TOTAL OF THE SUB-HEADS-(1-5) A				
	TOTAL OF THE SUB-HEADS-(6) B				
	SUB TOTAL(A+B)				
	NOTE: GST SHALL BE PAID EXTRA				