	PRICE - BID				
NAME O	F THE WORK: ELECTRICAL WORKS AT STATE BANK OF INDIA, RAC	C, JAS	SUR, DI	STT. KAN	GRA (HP)
S.No.	Specifications	Qnty.	Units	Rate	Amount
PART-	1): ELECTRICAL WORKS				
'ART-I : (COMPUTER POINTS & DISTRIBUTION				
1	Supply all material, storing, handling, fixing of computer points	28	each		
	computer points in suitable size of GI/PVC 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 and 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,				
	including connection between switch & socket. Note: Maximum two				
	computer points are to be provided on one circuit. (Switches : Make:				
	Anchor Roma/Crabtree/North-West/Legrand-ARTEOR)				
2	As per item no. 1 above but with 2 no. 16amp 5pin modular sockets	3	each		
	controlled by 1 no. 16 amp modular switch and 6 amp indicator Lamp				
	including the cover plate (ATM-2, BM-1, Rack-1)				
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. Make: Havells/HPL/Standard/ Legrand/L&T				
a)	8 way SPN MCBDB Double Door comprising of 1 No 63 Amp DP Isolator	1	no.		
	and 6 No SPMCB 10/16 Amp. (UPS output)				
b)	12 way SPN MCBDB Double Door comprising of 1 No 63 Amp DP Isolator	1	No		
	and 10 No SPMCB 10/16 Amp. (UPS)				
c)	4 Way TP MCBDB Double Door in recessed wall including cutting of wall	2	no.		
	and making good the damages comprising 1 no 100 A FP TPN and 6				
	Nos.32 A DPMCBS etc complete as required. (for Air conditioning only).				
d)	4 WayTP MCBDB Double Door in recessed wall including cutting of wall	1	no.		
	and making good the damages comprising 1 no 4P 63AMP, 30mA ELCB				
	and 12 Nos. 6/20/25 Amp SPMCBS etc complete as required. (for light				
	points)				
e)	4 WayTP MCBDB Double Door in recessed wall including cutting of wall	1	no.		
	and making good the damages comprising $$ of 1no. 63Amp FP TPN $\&$ 12 $$				
	Nos. 25 Amp SPMCBS etc complete as required. (for Raw Power)				
4	<u>RAW POWER</u> : Supply all material, storing, handling, fixing of suitable size	12	each		
	of GI/PVC box including providing 1 nos 15 amps 6 pin modular power				
	sockets to be provided controlled by 1 no 15 A moduler type switch				
	and indicator with moduler cover plate etc complete as required				
	including 3X2.5 sq. mm copper armored cable. Note: One power points				
	are to be provided on one circuit and dirctly to be connected on Power				
F	DB. (Switches : Make: Anchor/Crabtree/North-West/MK				
5	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: (Make:			
	Havells/HPL/Standard/Legrand/L&T)			
a)	20 Amp with 25 Amp. C Curve SP MCB. (1.5 TR High wall split AC's-2, UPS-4, Safe Room-1)	7	no.	
b)	30 Amp with 63Amp SPMCB	3	no.	
c)	30Amp with 32Amp SPMCB (for 2.0TR AC)	5	no.	
6	Providing and fixing of suitable size MS box fabricated with 16 G MS	1	job	
U	sheet either in recess wall or on surface to accommodate dedicated	-	100	
	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.			
7	Basic electrical Wiring of light points, plug points & power points			
	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.(Wires Make: Havells/ RR			
	Kable / KEI/Finolex) (Switches : Make: Anchor/Crabtree/North-			
	West/MK)			
	(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)	single 6 Amp Switch controlling 1 light point for T-5, Wall Fans, exhaust	10	no.	
	Fans , Ceiling fan and other seprate room supply only			
b)	single 6 Amp Switch controlling 4 no. downlights / 4 no. LED downlight	10	no.	
	/ 2 no. 2'- 0"x 2'-0" 36 watt light fittings			
c)	single 6Amp socket controlling by 5Amp Modular switch in switch boards	5	no.	
	etc complete as required			
d)	Extension of points with 2x1.5 sq.m PVC insulated coppe conductor	15	no.	
	cable in suitable MS conduit in recess couduit wiring system for wall			
	fan points with modular switches of 6AMp(to be fixed at normal height)			
	and 5Amp 5pin modular sockets (to be fixed 1'-6" below false ceiling)			
	as per requirement & filling the chases etc, complete as required.			
	Note: Lights/fans points to be calculated by numbers of lights and no			
	extra cost shall be paid for dummy switch.)			
PART-II	: PANELS , KIT KATS & CABLES			
8	Providing and fixing of 3 nos 100 Amps Kitkat with 1 no neutral link on	1	job	
	suitable size of Bakelite sheet of thickness not less than 25 mm			
	complete as required			
9	MAIN PANEL: Supply at site installation testing and commissioning of			
	panel fabricated with 16 G MS sheet. The panel shall be free standing			
	type totally enclosed dust and vermin proof construction with rubber			
	gaskets. The floor mounting panel shall have ISMC mounting channels,			
	GI earth busbar, busbar chamber ,cable alleys interconnection with			
	solid bar/PVC insulated copper conductor as per requirement, and			
	suitable supports of busbars. The panel shall be painted with two coats			
	of enamel paint (Grey shade) over primer and shall also be provided			
	with designation of Incoming and outgoing feeder as details below:			
	INCOMING			

	1 no MCCB Breaking Capacity 25 KA 125 Amp 4P , DN Series, L&T make			
	1 no 0 -500V digital Voltmeter in separate compartment and digital			
	Amp meter and one set of CTs (3 Nos) with CT Ratio 150/5 A with			
	LED type phase Indication Lamps with protection fuses in a separate			
	compartment			
	160 Amps capacity 4 strips Aluminium bus bars.			
	OUTGOING			
	5No. MCCB Breaking Capacity 10 KA 63 Amp 3P, DN Series L&T Make	1	set	
	SNO. HOOD DICAKING CAPACITY TO KA OS AND ST, DA SENES LAT HAKE	Ť	301	
10	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).			
	(Make: Havells/ RR Kable / KEI/Finolex/Pymen)			
a)	3.5X25 sq. mm aluminum conductors armoured cable with two Nos. 8	70	mtr.	
	SWG GI wire			
b)	$4 \ensuremath{\texttt{X10}}$ sq. mm aluminum conductors armoured cable with two Nos. 8 SWG	70	mtr.	
	GI wire			
c)	3X6 sq. mm copper conductors armored cable with one Nos. 8 SWG GI	50	mtr.	
	wire			
d)	3X2.5 sq. mm copper conductors armored cable	20	mtr.	
11	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)	3.5X 25 sq.mm aluminum conductor	5	no.	
b)	4x10 sq.mm aluminum conductor	6	no.	
c)	3X6 sq. mm Copper cable gland.	4	no.	
d)	3X 2.5 sq.mm aluminum conductor	14	no.	
12	Supplying & fixing the 1 no.4 pole 100 Amps capacity change over	1	no.	
	switch and complete connection with Electrical Panels as required			
	.Make: Havells/HPL/Standard/ Legrand/L&T			
13	UPS DISTRIBUTION BOARD			
	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 requd. Make:			
	Havells/HPL/Standard/ Legrand/L&T			
	as per details below :-			
а	4 way DB comprising of 2 no. 63 amp DPMCB (UPS out put)	2	each	
b	4 way DB comprising of 1no. 63 amp 4P TPN (UPS input)	1	each	
14	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 multi stranded	20	mtr.	
		20		
	copper wire in PVC flexible pipe. (Make: Havells/ RR Kable /	20		

15	EARTHING			
a)	Supply and fix copper plate earth station with 600X600X3mm copper	1	Sets	
	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.			
b)	Supply and fix GI plate earth station with 600X600X6mm GI plate	2	Sets	
	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.			
16	a) Supply fixing and termination of 20X3 mm copper strip with earth	3	Meter	
	station below ground level etc as required.			
	b) Supply fixing and termination of 32x6 mm G.I. strip with earth	6	Meter	
	station below ground level etc as required.	-		
17	a) Providing and fixing of 8 SWG copper earth wire in the recess for loop	50	mtr.	
	earthing etc. as required.			
	b) Providing and fixing of 8 SWG GI earth wire in the recess for loop	20	mtr.	
	earthing etc. as required.			
18	Supply and laying following dia 2 mm in thickness ISI Mark PVC pipe			
	under floor or in recessed walls from earth electrode to UPS room for			
	computer dedicated earthing			
	25 mm diameter	70	Meter	
PART II	I - TELPHONE & DATA CABLE			
19	Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed	12	no.	
	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 G.I./PVC 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.(Make: Dglink/KEI/Finolex)			
20	Supply, installation and testing & commissioning of Tag Block 20 pair	1	no.	
	for telephone connections Make: krone			
21	Providing , Laying, testing & commisioning of 10 pair telephone cable	20	mtr.	
	from outside govt. / bsnl DB to Rack for lease line, ISDN of Make: Delton,			
	finolex, polycab.			
22	Data cabling work for computer networking starting from mounting rack	23	no.	
	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. (Make:			
	D-LinK/MOLEX/AMP/COMMSCOPE).			
				1
	Note: TWO Data Points to be provided in One Table/Counter. Extra poits			

23	supply, installation, testing and commissioning of 24-port Patch Panel	1	no.	
24	Supply and installation, testing and commissioning of mounted rack 15" hight made of powder coated MS sheet	1	no.	
25	supply, installation, testing and commissioning of factory			
	manufactured CAT-6e patch chord complete with 2 no. connectors etc.			
	complete as reqd.			
a)	1 mtr. long	23	no.	
b)	2 mtr. long	12	no.	
26	Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of	90	mtr	
20	size 25mm dia complete with fittings, U traps etc. & as specified to	00	inci	
	the nearest toilet / drain point under floor or in recessed walls for AC			
	drains including cutting of walls, bends & Tees. making good the			
	damages etc. wherever required. (Make: Diplast/Supreme)			
PART-IV :	SUPPLY, INSTALLATION TESTING & COMMISSIONING OF FANS & FIXTURES			
27	SITC of 2"x2" Celing grid 33-36 watt LED panel fixtures with essential	25	no.	
	driver in false ceiling including making necessary arrangement for	20		
	mounting the fixtures and connection with 2×1.5 sq.mm insulated			
	copper cable from adjacent point in PVC flexible pipe etc Complete as			
	reqd. Make : Cat No: LDTLBK-36W-CDL of Crompton or equivalent of			
	Wipro /Philips			
	120 Lumens per Watt, Color temperature 6000K			
28	SITC of 15 watt LED fixtures /dowlighters with essential driver in false	24	no.	
20	ceiling including making necessary arrangement for mounting the	24	110.	
	fixtures and connection with 2×1.5 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/Crompton			
29	SITC of 5 watt recess mounted LED spotlight with assembly complete	4	no.	
20	with including making necessary connections etc. Complete as reqd. (-	110.	
	M/s Crompton Cat No. Or equivalent of Philips/Wipro/ Bajaj)			
30	SITC of 18/20 watt of T5 LED fixtures directly on ceiling / wall including	10	no.	
00	making necessary connections with 2x1.5 sq.mm insulated copper	10		
	cable conductor wire etc. complete as reqd Make Phillips /Wipro /			
	Crompton			
31	SITC of 450 mm sweep wall fan with metal body & metal fins, complete	12	no.	
01	as required. (Make: SStorm2 of Crompton or equivalent of Khaitan /			
	Bajaj / Usha)			
32	LED Strip light (4.5/5 watt)for cove (M/s Phillips /Wipro / Bajaj	30	MTR.	
	Complete in all respects with suitable drivers			
33	SITC of 200 mm exhaust fans, metal body, complete with self opening	4	no.	
	louvers / shutters including necessary frame etc, complete as reqd.			
	(M/s Crompton High Breeze or equivalent of USHA / Bajaj)			
34	SITC of 1200 mm CEILING fans complete as required including modular	4	no.	
	type regulator. (M/s Crompton High Breeze of equivalent of		-	
	USHA/BAJAJ)			
35	SITC of 30Watt street light/flood light for lighting the front side of the	2	no.	
	Branch (M/s Crompton or equivalent of PHILIPS/WIPRO)			

TOTAL OF PART: I +II+III (A)		
TOTAL OF PART : IV (B)		
TOTAL AMOUNT (A+B)		

(PART-2): AIR CONDITIONING WORKS (LOW SIDE WORKS)					
S.No.	Specifications	Qnty.	Units	Rate	Amount
1	Supplying & Laying of following COPPER REFRIGERANT PIPING Thickness 22				
	SWG For Hiwall 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. (Make: Total Line/Armacell)				
a)	1/4" + 1/2" Refrigerant piping - For 1.0/1.5TR Hiwall Split AC's	80	mtr.		
b)	HWS/Cassette AC (2.0 Tr & 3.0 Tr) Copper pipe size (5/8" & 3/8")	200	mtr.		
2	Supplying and providing FRLS Eletrical flexible cable of multi strand				
	suitable for 1.5 Tr H.W Split & 2.00 Tr Cassette Multi-runs between Indoor				
	& Outdoor units and between Metal Clads to Out door for electrical supply				
	etc complete as required (Make: Havells/ RR Kable / KEI/Finolex)				
a)	3x2.5sq.mm	300	mtr		
b)	4x2.5sq.mm	10	mtr		
	TOTAL AMOUNT				

SUMMARY						
PART-1	ELECTRICAL WORKS	Rs.				
PART-2	AIRCONDITIONING (LOW SIDE) WORKS	Rs.				
	TOTAL AMOUNT					
IN WORDS:						