	B.O.Q OF ELECTRICAL WORK FOR INDIAN	BANK	BERHAMPU	R BRANCH	
SL.N	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
0.					
	1.1 ELECTRICAL WIRING WORK				
1.0	Ressessed / surface light point / fan point / call bell point etc.				
	wiring using 1100V FRLS grade 3R (P+N+E) x 1.5 Sq.mm				
	FRLS multi stranded copper conductor PVC insulated wires				
	(with proper R,Y,B color code) pulled through rigid				
	FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick laid				
	concealed over false ceiling or in wall chases or on the				
	ceiling in case of an open ceiling, with modular type switch				
	plate, switches, GI concealed back box, etc. of legrand				
	mylinc or equivalent make. S.I.T.C.(Supply Installation				
	Testing And Commissioning) as directed by the Engineer-in-				
	charge. (Each circuit shall not feed more than 8 points OR				
	NOTE:- 1. Only FRLS wire shall be used; 2. The wires from				
	ceiling junction to light points / light fixture shall be drawn				
	in flexible PVC conduit with adptor & cover for junction box				
	& crimp type lugs at both the ends alongwith necessary				
	hardware & accessories, etc. as required; 4. Looping of				
	Neutral / Earth wire between two seperate Primary / Full				
	Points is strictly not allowed; 5. Looping of Neutral / Earth				
	wire between two seperate circuits on similar or other phase				
	is strictly not allowed; 6. Ferulling / numbering / taggning to				
	wires with circuit number & db name for all lighting & raw /				
	ups power shall be strictly followed at both DB & switch				
1.1	Primary light points including the cost of clip in type 6A	Nos.	35.00		
1.1	Modular switch of legrand mylinc or equivalent make.	1105.	55.00		
	S.I.T.C. as directed by the Engineer-in-charge. (1 light/fan				
	controlled by one switch)				
1.2	Subsequent point (Looped From Primary)	Nos	20.00		
1.3	Independent point using one 6 Amp Modular Switch and one	Nos	11.00		
	6 Amp, 2/3 pin Modular scoket mounted on a sutable size				
	Box for wall fans.				
1.4	6 Amp 2/3 pin Modular scoke with 6A Modular switch. (Nos.	4.00		
	on common switch Board.)				
1.5	Primary light points including the cost of clip in type 6A	Nos.	3.00		
	Modular switch of legrand mylinc or equivalent make &				
	model as approved by project in charge. (I light controlled				
	by one switch UPS point)				

SL.N O.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
2.0	Power point using 16 Amp 3 Pin plug socket with 16 Amp Modular switch of legrand mylinc or equivalent make mounted on separate board using suitable size galvanized iron junction & switch boxes & clip in type modular type switch plate,etc. Supply taken from Nearest L.D.B. The point should not taken from any switch Board. S.I.T.C. as directed by the Engineer-in-charge.		2.00		
3.0	Raw power point using 6 Amp, 2/3 Pin Modular plug socket with 6 Amp Modular switch of legrand mylinc or equivalent make on separate board using galvanized iron junction & switch boxes & clip in type modular type switch plate, switches, GI/PVC concealed back box, etc. Supply taken from Nearest L.D.B. Maximun 3 Points per Circuit for counter & Table		8.00		
4.0	Supply,installation and testing of timer with contactor (L&T / Legrand) make controlling the glowsign board with all accessories complete enclosed in Powder coated metal box as required as per direction of Engineer in charge. The system will be apart of the panel board.	Nos.	1.00		
5.0	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade multi standard FRLS copper wire run inside rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.				
5.1	Ressessed / surface conduit wiring with (2Rx2.5sqmm +1Rx1.5sqmm) copper wire (LDB to Common Switch board and Points)	Mts	220.00		
5.2	Ressessed / surface conduit wiring with (2Rx6.0 sqmm +1Rx4.0 sqmm copper wire (PANEL to L.D.B./ U.P.S. input.)	Mts	60.00		

SL.N	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
0.					
	1.2 COMPUTER WIRING WORK				
1.0	Supplyand fixing of concealed UPS power points using 1	SET	9.00		
	nos. of 16 Amp, 3 Pin Modular switches to be provided on				
	table top + 4 nos. 6 Amp Modular socket below table top of				
	legrand mylinc or equivalent make taken from Nearest C.D.B				
	with sutable size galvanized iron/PVC junction & switch				
	boxes & clip in type modular type switch plate, GI/PVC				
	concealed back box, etc. Maximun 3 Points per Circuit for				
	counter & Table. S.I.T.C. as directed by the Engineer-in-				
	charge.				
2.0	Supply and fixing of concealed UPS power points using clip	SET	1.00		
	in modular type 5 No. of 6/16 amp socket points controlled				
	by 2 No of 16 amp modular switch with indicator of legrand				
	mylinc or equivalent make taken from Nearest C.D.B with				
	galvanized iron junction & switch boxes & clip in type				
	modular type switch plate, switches, GI concealed black box,				
	etc The point should not from any switch Board S.I.T.C. as				
	directed by the Engineer-in-charge				
3.0	Supply of all required materials and wiring to circuits/				
	submains with following number and sizes of PVC				
	insulated1100V FRLS grade 3R (P+N+E) x folling size				
	FRLS multi stranded copper conductor PVC insulated wires				
	(with proper R,Y,B color code) pulled through rigid				
	FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick ISI				
	mark laid concealed over false ceiling or in wall chases or on				
	the ceiling in case of an open ceiling including of as				
	required and multy stranded copper wire of folling size as				
	earth continuity conductor and complete in all respect				
	including making good to all damages caused and as per the				
3.1	Ressessed / surface conduit wiring with (2Rx2.5sqmm	Mts	170.00		
	+1Rx1.5sqmm) copper wire (C.D.B. to Computer Points)				
3.2	Ressessed / surface conduit wiring with (2Rx4.0 sqmm	Mts	30.00		
	+1Rx2.5sqmm) copper wire (U.P.S. OUTPUT to C.D.B.)				

SL.N	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
0.					
	1.3 A.C. WIRING WORK				
1.0	Supply of all required materials and wiring to 2 nos of Split	Nos.	1.00		
	AC in System Room with 2 nos 16 Amp Modualar socket of				
	legrand mylinc or equivalent make mouted on suitable size				
	GI concealed Box controlled by 25 Amp Digital timer				
	operated Alternatevly supplied by a 25 Amp RCBO				
	Sensityvity 30mA Enclosed in 6 way SPN DB of Legrand				
	or Equivalent make taken from Nearest M.L.D.B. with				
	galvanized iron junction & switch boxes & clip in type				
	modular type switch plate, switches, GI concealed back box,				
	etcThe point should not taken from any switch Board.				
	SITC as directed by the Engineer in charge				
2.0	Supply & Installation of all required materials and wiring to	Nos.	5.00		
	Split AC 25 Amp 3 Pin Modulat socket mouted on suitable				
	size concealed GI Box near to the AC controlled by 25				
	Amp DP isolator Enclosed in Powder coated DP Encloser of				
	Legrand Ekinox3 model or Equivalent make taken from				
	Nearest A.CD.B/ M.L.D.B. with galvanized iron junction				
	& switch boxes & clip in type modular type switch plate,				
	switches, GI concealed back box, etc. of legrand mylinc or				
	equivalent make. The point should not taken from any switch				
	Board SITC as directed by the Engineer-in-charge				
3.0	Supply and Installation of all required materials and wiring				
	to circuits/ submains with following number and sizes of				
	PVC insulated 1100 volt grade standard FRLS copper wire				
	run through rigid FR/FRLS PVC conduits of 20mm Dia				
	1.5 mm thick ISI mark as required and copper wire as earth				
	continuity conductor and complete in all respect including				
	making good to all damages caused and as per the direction				
	of Consultant and Engineer-in-charge.				
3.1	Ressessed / surface conduit wiring with 2 X 4sq. mm + 1 X	Mts	135.00		
	2.5sqmm copper wire (From Panel to Split A.C. points)				

SL.N	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
0.					
	2.PANEL BOARD & DISTRIBUTION BOARDS.				
1.0	Main Panel Board	Set	1.00		
	Supply, delivery, installation, testing, commissioning, of				
	L&T indoor wall ,floor , mounted , type distribution boards				
	made out of 2 mm thk. CR sheet metal duely acid treated				
	premised & painted with 2 coats of enamel paint				
	compartment arrangement for each equipment & bus bar				
	chamber on the top of the panel running horizontal through				
	out its length duly lamp , vermin proof having provision				
	cable by conduit entry, earthling stud as per specification				
	mentioned below duly factory wired confirming to the				
	relevant ISS & as per special condition of contract, making				
	good the damages M.S. Cubical type Panel board should				
	have hinged door at the front. The panel shall be provided				
	with all accessories & following arrangements complete in				
	all respect & direction of EIC (before fabrication of panel				
	Incoming-				
	1No 100A- 25KA - 4POLE -MCCB.				
	1 set of 125A TPN copper bus bar				
	1No 63A-18KA - 4POLE -MCCB.				
	1 set of 100A TPN copper bus bar				
	63A, 4-POLE Change over				
	1 set of 100 A TPN copper bus bar				
	Out going-				
	1No 25KA - 32A TPN SPD				
	1 Nos 40A, 4P MCB, for U.P.S.				
	1 Nos 40A, 4P MCB, Spare				
	5 Nos 25 A DP MCB for 1.5 ton Split A.C.				
	2 Nos 25 A DP MCB Spare				
	1 Nos 20 A DP MCB for 1.0 ton Split A.C.				
	1 Nos 20 A DP MCB Spare				
	1 Nos 32 A DP MCB for L.D.B.		ļ		
	1 Nos 32 A DP MCB for A.T.M.				
	1 Nos 25 A DP MCB for Glow sign board & Outer Lighting				
	1 Nos 25 A DP MCB Spare				
	2 Nos 32 A DP MCB Spare				
	1No. VAF Digital meter with (100/5A)CT.				
	Cable tray.				
	Termination bar for each out put				
	6 Nos Phase indicator lamps				
2.0	Supplying & Fixing 100 Amp Wireable IC Cutout - 3nos in	Set	1.00		
	MS enclouser with lock & key arrangements.				

SL.N	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
0.					
3.0	Supply and installation of SPN, Double Door, Metal type,				
	(hager IP43, legrand make Ekinox3 model or equivalent				
	make as approved by SBIIMS), surface / flush mounted on				
	wall, interconnected wiring complete with earthing lugs,				
	including DB wiring, termination of circuits with ping type				
	copper lugs, blank plates, etc. housing following switchgears				
3.1	L.D.B (Light Distribution Board)	Set	1.00		
	12 way SPN DB				
	Incoming :- 1 No. 32A DP MCB				
	Outgoing :- 10 No. 6-10 A SP MCB				
	All MCB must be class C Type	~~~~	1.0.0		
3.2	C.D.B (Computer Distribution Board)	SET	1.00		
	12 way SPN DB				
	Incoming :- 1 No. 32A DP MCB				
	Outgoing :- 10 No. 6-10 A SP MCB				
	All MCB must be class C Type				
3.3	U.P.S Incoming DB	SET	1.00		
	4 way SPN DB				
	40 Amp DP-10 kA - MCB – 2 nos (1main & 1 spare).				
	All MCB must be class C Type				
3.4	0 0	SET	1.00		
	4 way SPN DB				
	40 Amp DP-10 kA - MCB – 2 nos (1main & 1 spare).				
	All MCB must be class C Type				

SL.N O.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
<u> </u>	3. FITTINGS OF FIXTURES				
	(NOTE : ANY OF FIXTURES AND FITINGS SHALL				
	BE RE-CONFIRMED WITH THE ARCHITECTS /				
	CONSULANTS BEFOTE ORDERING THEM.				
	Supply, Installation, testing and commissioning of lighting				
	fixtures with lamps and LED driver as per the details below				
	including necessary hardware such as clamps, nuts, bolts,				
	nails, screws and suspension rods as required for fixing the				
	fixtures in position as directed by architect / consultant /				
	client including supply and fixing flexible wires from holder				
	to fixtures hardwares etc.				
	Note :- All Light Fixtures, Fans, Exhaust Fans & other				
	fittings samples shall be approved by the Client / Architect /				
	Consultant before placing order to the Light Fixture Vendor /				
	Supplier makes are specified. Client / Architect / Consultant				
	reserves right to approve / select final Light Fitxtures from				
1.0	Supply, installation and testing of recess LED lights fittings (Nos.	11.00		
	31 - 34 W) of squre type (2'-0"x2'-0") with all accessories				
	complete of Crompton LCTLRN-36-FO-CDL Equivalent				
2.0	Make as required as per direction of Engineer in charge Supply, installation and testing of recess LED lights fittings (Nos.	21.00		
2.0	12W) of spot type all accessories complete of Crompton	INUS.	21.00		
	LSCRM-12W-CDL/NW/WW or Equivalent Make as				
	required as per direction of Engineer in charge				
3.0	Supply, installation and testing of recess LED lights fittings	Nos.	2.00		
	(18W) of squre type with all accessories complete Crompton				
	LSDN-18-CDL/TL/WW Equivalent Make as required as per				
1.0	direction of Engineer in charge	N Y	2.00		
4.0	Supply, installation and testing of Round surface LED lights	Nos.	2.00		
	fittings (12W) of spot type all accessories complete of Crompton LCDSPLN-R-12-CDL or Equivalent Make as				
	required as per direction of Engineer in charge.				
5.0		NL	1.00		
5.0	Providing and fitting of 400 mm sweep cabin fan of Orient/ Crompton Equivalent Make as required as per direction of	Nos.	1.00		
	Engineer in charge.				
6.0	Providing and fitting of 450 mm sweep Wall fan of	Nos.	10.00		
	approved make.				
7.0	Providing and fitting of 9" sweep heavy duty Exhust of	Nos.	5.00		
	Orient/ Crompton Equivalent Make as required as per				
	direction of Engineer in charge.				
8.0	Providing and fitting of 1200 mm sweep celing fan of	Nos.	2.00		
	Orient/ Crompton High Speed Equivalent Make as required				
9.0	as per direction of Engineer in charge. Providing and fitting of modular fan step Type regulator of	Nos.	2.00		
2.0	approved make .	103.			
10.0	Supply & fixing of fan-hook, by cutting roof slab and welding	Nos.	2.00		
	10 mm dia.Fan hook with main re-Inforcemerit of roof slab				
	complete in all respect				
	· ·				
11.0	Supplying, fixing of 1x 20W LED Batten lights fittings	Nos.	7.00		
	with aall accessories complete of Philips BN021C LED20S				
	PSU CDL/NW GR Equivalent Make as required as per				
12.0	direction of Engineer in charge Providing and fitting of call bell Remote Controlled with	Nos.	1.00		
12.0	Battery of approved make .	1,000			
13.0	Supply, installation and testing of LED light fittings (1x9wt)	Nos	6.00		
	with angle holder of Philips/ Crompton/ Syska or				
	equivelent as required as per direction of Engineer in charge.				
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SL.N O.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
0.	4. EARTHING				
1.0	Providing and fixing Earthing with G.I. earth plate 600 mm	Nos.	2.00		
1.0	X 600 mm X 6.36 mm thick including accessories, and		2.00		
	•				
	providing masonry enclosure with cover plate having locking				
	arrangement and watering pipe of 2.7 metre long etc. with				
	alternative layer of 150mm thick charcoal/ coke and salt as				
2.0	Providing and fixing of Earthing with copper earth plate 600	SET	1.00		
	mm X 600 mm X 3.18 mm thick including accessories, and		1.00		
	providing masonry enclosure with cover plate having locking				
	arrangement and watering pipeof 2.7 metre long etc. with				
	alternative layer of 150mm thick charcoal/ coke and salt as				
	required. For UPS.				
3.0	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre	Mts	40.00		
	below ground as strip earth electrode, including				
	connection/terminating with G.I. nut, bolt, spring, washer				
	etc. as required.(Jointing shall be done by overlapping and				
	with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)				
4.0	Providing and laying earth connection from earth electrode	Mts.	3.00		
	with 4.00 mm dia copper wire in 15 mm dia G.I. pipe from				
	earth electrode including connection with copper thimble				
	excavation and re-filling as required				
	Providing and fixing 4.00 mm dia copper wire on surface or	Mts.	20.00		
	in recess for loop earthing as required.				
	5.DATA / TELEPHONE WAIRING				
1.0	Supply of all required materials and laying of CAT-6 LAN	Mts	280.00		
	wairing from server to Hub and Hub to computer I/O Points				
	of approved brand ((D-Link/Digilink/Amps) laid through				
	rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick of				
	ISI mark duly burried under floor with necessary chasing /				
	breaking in floor and to be refinished with all necessary civil				
	material etc. or to be cleated on wall / ceiling with saddles /				
	spacer etc. necessary termination etc. completeas in all				
	respect including making good to all damages caused and as				
	nor the direction of Consultant and Engineer in charge				
2.0	Supply of all required materials & laying 2 pairs 0.51 cross	Mtrs.	60.00		
	section telephone wires of ITI approved laid through rigid				
	FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick of ISI				
3.0	Supply, fixing of RJ 45 information outlet (I/O) with safey	Nos.	10.00		
5.0	sutter of D-link make with front modular cover plate, flush	1105.	10.00		
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	box metallic or PVC for trucking system etc.				
	Supply, fixing, testing of RJ11 Modular Telephone socket	Nos.	4.00		1
	point with suitable GI boxes complete in all respect as per				1
	direction of EIC .				
5.0	Supply & fixing 9" 9 U wall mounted modem rack with	Set	1.00		
	power distribution box, cable manager, cantilever self, fan &	-			1
	mounting kit etc all complete. (Make Valrack, Comrack,				
6.0	Supply & fixing 24 port PATCH PANEL (Make D-LINK,	No	1.00		+
0.0	AMP, HCL)	110	1.00		
7.0	AMP, HCL) Supply and fixing 24 port - 10/100/1000 mbps- L2	Nos.	1.00		+
/.0		1105.	1.00		1
	unmanaged switch with 2SFP port. (Giga switch) of (Cisco /				1
8.0	D-link / Zvxel/ HP) Supply & fixing 1Mtr long E-CAT 6 PATCH Cord (Make D	Na	10.00		
0.0		No.	10.00		1
	LINK,AMPor Equivalent Make)				
9.0	Supply & fixing 2Mtr long E-CAT 6 PATCH Cord (Make D	No.	10.00		1
		110.	10.00		
	LINK.AMP or Equivalent Make) TOTAL	110.	10.00	Rs	

Total Amount In Words:-