Sheet1

## SBI INFRA MANAGEMENT SOLUTIONS PVT LTD (SBIIMS) (WHOLLY OWNED SUBSIDIARY OF SBI) CIRCLE OFFICE, PATNA SCHEDULE OF WORKS: ELECTRICAL WORKS PROJECT: JAMTARA BRANCH UNDER RBO-I, DEOGHAR, AO DEOGHAR

NO.	DESCRIPTION	UNIT	QTY	RATE	<u>15/10/2</u> AMT
	ELECTRICAL				
1	SUPPLY, LAYING, LUGGING, DRESSING, GLANDING, FINISHING, TESTING AND COMMISSIONING OF POWER CABLE: Following 1.1KV grade fire resistant A2XFY XLPE armored aluminium conductor cable with one no. 10 SWG GI wire, laying of the cable by making 500MMX800MM cable trench with bricks and sand protection, partly through 40MM GI Pipe and partly on wall/column including supply and fixing with 300mm apart MS clamps/galvanized bar saddles and double compression type brass cable gland Dowel make along with rubber rings for dust and moisture proof entry of the cable and finishing the ends by crimping method. It will be contractors responsibility to make the necessary arrangements for obtaining electrical connection for the bank.(polycab/RR/Havells)				
1.1	3.5CX95 sgmm cable Main incoming cable	Mtr.	50		
1.2	3.5CX50 sqmm cable for Auxiliary Panel	Mtr.	30		
2	MAIN TPN SFU: Supply, installation, testing and commissioning (SITC) of following TPN SFU with HRC fuses in sheet steel enclosure with cable end box on MS Angle frame/ MS Legs/ wall with interconnection, painting and finishing. To be completed in all respect.				
2.1	200A TPN SFU with HRC fuses for MAIN Supply	No.	1		
2.2	160A TPN SFU with HRC fuses for GEN SET Supply	No.	1		
3	MAIN PANEL: SITC of wall/ floor mounted indoor type, vermin-proof, 14SWG sheet steel enclosure Main Panel suitable for 415V, 3 Phase, 4 wire, 50Hz AC System,. Each unit shall be accommodated in separate compartments having gasket hinged door with locking arrangement. The cubical should be painted with 2 coats of light grey synthetic enamel paint over two coats of red oxide primer. Name plate of panel, danger boards, incoming and outgoing feeders with ampere rating of switches/ change over switch are to be fixed up on Front door. Short circuit current for all MCBs should be of 10KA(min.). Prior approval of manufacturer's GA drawings from engineer is required.				
3.1 3.2	Incoming:- In = 200Amp., Icu= 36KA, Ics= 100% of Icu, 4pole MCCB- 1 no., In = 160Amp., Icu= 36KA, Ics= 100% of Icu, 4pole MCCB- 1 no. (for DG supply) 2 no. 415V, In= 63A, Icu= 25KA, Ics= 100% of Icu, 4P MCCB for ACDB.	Set	1		
3.2	PVC sleeved TPN tinned copper bus bar: 4X30MMX5MM for phases and				
3.3	CU Earth bus bar: 20MMX3MM covering the total length of the panel				
3.4	METERS: 2 sets of 3 no. LED phase indication				
3.5	ONLOAD CHANGE OVER SWITCH: SITC of 1 no. 415V, 200A, 4P with ON indication on load Change over switch (Make: HPL SOCOMEC) with suitable enclosure.				
4	EARTHING WORKS / ITEMS:-				
4.1	SITC of OBO Betterman/JK/JEF eco safe/ make earthing system - * - UL Listed Earth Electrode - <u>Copper bonded</u> low carbon steel electrode, coating 250 microns - Tested as per IEC 62561-2 - Meets the requirement of IS 3043 and IEC 60364-5-54 - Tested for short circuit withstanding capacity - High tensile strength In one set it should include: a) One nos of Earthing rod-Type 17 3000 CCER, Length - <u>3000 mm</u> Outer Dia - 17.2 mm Copper bonded low carbon steel Electrode WITH 250 microns copper bonded b) One bag (25 KG) Earth Enhancement Compound confirming to IEC 62561- 7 c) One nos of universal clamp .The work shall also include required masonry work, CI cover plate & Earthing name plate. The vendor shall also submit the earth test report with required values. Pics of earthing to be shown.	No.	1		
4.2	Supply of materials, laying under ground/walls/floor making end termination and testing of G.I. flat (25x3mm) laid from GI pipe earth pit to main panel as per direction of E-I-C	Mtr	60		
4.3	(a). Copper plate Earthing: Supply of material and installation of earth electrode made out of 50mm dia class B G.I. pipe of 2.5 metre long with arrangements for fitting./termination of copper wire with G.I. nut bolts, washers and 600x600x3 mm size copper plate including cost of charcoal salt and good quality soil, water pouring arrangements, brick masonary enclosure on top with removable Cl cover and complete with labour for excavation of pit conforming of IS: 3043/1987 and as per direction of Engineer-in-charge	No.	1		

## Sheet1

				1
Supply of materials, laying under ground/walls/floor, making end termination and testing of 2x6 mm multistrand copper wire to be inside PVC. Conduit cables laid from earth pit to UPS Outgoing DB and complete as per direction of Engineer-in-charge	Mtr	60		
POWER DISTRIBUTION BOARD (PDB): TPN MCB DB comprising of following: INCOMING 1 no. 415V 63A TPN MCB OUTGOING 12 no. 240V 25A SP MCBs, (L&T/ABB/SCHNEIDER)	No.	1		
RAW POWER TPN DB: TPN MCB DB comprising of following: INCOMING 1 no. 415V 63A 4P MCB OUTGOING 3 no. 240V 25A SP MCBs, 9 no. 240V 16A SP MCBs Make-(L&T(exora)/ABB(elegance)/Schneider/Siemens	No.	1		
LIGHTING DISTRIBUTION BOARD (LDB): TPN MCB DB comprises: INCOMING 1 no. 240V, 40A TPNP MCB OUTGOING: 12 no. 240V 10A SP MCB Make-(L&T(exora)/ABB(elegance)/Schneider/Siemens	No.	1		
SUBMAIN WIRING : Sub-main wiring with 1100V grade FRLS insulated cover flexible copper cable with proper color coding through suitable MS conduit complete with all accessories as per requirement.				
For ACDB with 4 <b>CX10 sqmm 1100V</b> grade <b>FRLS</b> insulated core, FRLS insulated cover flexible copper cable with proper color coding through suitable MS conduit complete with all accessories as per requirement. 1 no. 2.5 sqmm earth <b>FRLS</b> insulated flexible copper wire in MS conduit	Mtr.	40		
With 4 nos. 6 Sq.mm + 1 no. 2.5 Sq.mm. (green colour for earth) PVC insulated copper wire for RAW power DB, Main gate light cut-off & LDB	Mtr.	90		
AC POWER POINT: AC power point wiring FRom PDB/ACDB/DB to AC Power pointsat hall, BM chamber, system room with 1100V grade 2 no. 4 sqmm + 1 no. 2.5 sqmm FRLS insulated copper wire in MS conduit. Complete with all accessories as per requirement. North-west or equivalent make AC power unit having 25A, single pole rating socket, MCB with plug, plug top & starter in sheet steel enclosure at proposed AC locations at 4.5 ft from the floor.	No.	10		
6/16A SOCKET OUTLET POINT WIRING .: Power point wiring for 5 pin 16A shuttered socket outlet(power unit combo 16A MCB protected socket CS26401W, primo C&S equivalent) & 16A switch with controlling switch From PDB with 1100V grade 2 no. 4 sqmm + 1 no. 2.5 sqmm FRLS insulated copper wire in MS conduit complete with all accessories as per requirement. With controlling switch, suitable mounting box(M.K./ Crabtree/ North-West) and FRont plate for socket outlet flushed with finished wall.(Branch Manager, canteen,etc MAKE:- (ABB(CHEIRON)/LEGRAND(MYRIUS)/MK(BLENZ)	No.	6		
Double pole MCB DB in sheet steel enclosure with Incoming: 1 no. 20A DP MCB, Outgoing: 2 no. 10A SPN MCB complete with interconnection for glow sign board and Street Light. (L&T/ABB/SCHNEIDER)	No.	1		
Supply & fixing of <b>415V MCB DB with</b> incoming 63 <b>A 4P MCB</b> in MS Box for <b>main gate light cut off switch</b> complete with all accessories as per requirement.	No.	2		
POINT WIRING : Supply and laying of electrical point wiring through MS conduit including modular switches conforming to the following specifications:point wiring work FRom switchboard to different outlet points. 1100V grade, FRLS PVC insulated flexible copper conductor cables having 3 no. 1.5sqmm single core copper wire. The work shall aLSo include necessary circuit wiring work FRom DB to switchboards including interconnection. The circuit wiring shall comprise of 1100V grade FRXLPE insulated core, FRPVC insulated cover flexible copper cable with proper color coding through suitable MS conduit complete with all accessories as per requirement.2X2.5 sqmm copper wire, and 1 no. FRXLPE insulated 1.5 sqmm copper wires in MS conduit, 6A switches, 6A socket outlets, stepped regulators and other necessary components of requisite module sizes including matching metal boxes. white switches with mall black cover plates. Work shall include all related activities. The work shall also include dismantling work & finishing good all damages.) All the wiring below false ceiling on wall must be concealed. All the drops fromm junction box to light point must be in flexible conduits. The work also involves dismantling work if any & finishing good all damages.Each switch board should have one 5A socket.(MAKE-SWITCHES-(ABB(CHEIRON)/LEGRAND(MYRIUS)/MK(BLENZ)				
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<b>o</b> ,				
Wall bracket/ with supply and fixing of 6A socket near the fan and controlling switch at light /fan switch board Separate switchboard other than light/ fan .	NU.	0		
	and testing of 2x6 mm multistrand copper wire to be inside PVC. Conduit cables laid from earth pit to UPS Outgoing DB and complete as per direction of Engineer-in-charge POWER DISTRIBUTION BOARD (PDB): TPN MCB DB comprising of following: INCOMING 1 no. 415V 63A TPN MCB QUTGOING 12 no. 240V 25A SP MCBs, (L&T/ABB/SCHNEIDER) RAW POWER TPN DB: TPM MCB DB comprising of following: INCOMING 1 no. 415V 63A 4P MCB OUTGOING 3 no. 240V 25A SP MCBs, 9 no. 240V 15A SP MCBs Make-(L&T(exora)/ABB(elegance)/Schneider/Siemens LIGHTING DISTRIBUTION BOARD (LDB): TPN MCB DB comprises: INCOMING 1 no. 240V, 40A TPNP MCB OUTGOING: 12 no. 240V 10A SP MCB Make(L&T(exora)/ABB(elegance)/Schneider/Siemens SUBMAIN WIRING: sub-main wiring with 1100V grade FRLS insulated cover flexible copper cable with proper color coding through suitable MS conduit complete with all accessories as per requirement. For ACDB with 4CX10 sqmm 1100V grade FRLS insulated core, FRLS insulated cover flexible copper vire in MS conduit With 4 nos. 6 Sq.mm + 1 no. 2.5 Sq.mm, (green colour for earth) PVC insulated copper wire for RAW power DB, Main gate light cut-off & LDB AC POWER POINT: AC power point wiring FRom PDB/ACDB/DB to AC Power pointsat hall, BM chamber, system room with 1100V grade 2 no. 4 sqmm + 1 no. 2.5 sqmm FRLS insulated cooper wire in MS conduit. Complete with all accessories as per requirement. North-west or equivalent the AC DOWER unit 25A, snighe pole rating socket, MCB with plug, plug top & starter in sheet steel enclosure at proposed AC locations at 4.5 ft from the floor. 6/16A SOCKET OUTLET POINT WIRING : Power point wiring for 5 pin 16A shuttered socket outlet(power unit combo 16A AMCB protected socket CS26401W, primo C&S equivalent) & 1AS switch with controlling switch. From PDB with 1100V grade 2 no. 4 sqmm FRLS insulated copper wire in MS conduit complete with all accessories as per requirement. 6/16A SOCKET OUTLET POINT WIRING : Power point wiring for 5 pin 16A shuttered socket outlet(flower unit combo 16A AMCB protected socket CS26401W, pr	and testing of 2x6 mm multistrand copper wire to be inside PVC. Conduit   Mtr     cables laid from earth pit to UPS Outgoing DB and complete as per direction   Mtr     POWER DISTRIBUTION BOARD (PDB): TPN MCB DB comprising of following: INCOMING 1 no. 415V 63A TPN MCB D   No.     RAW POWER TPN DB: TPN MCB DB comprising of following: INCOMING 1 no. 415V 63A 4P MCB OUTGOING 3 no. 240V 25A SP MCBs, 9 no. 240V   No.     HG SP MCB MAE-LL3*(rexora)/ABB(elegance)/Schneider/Siemens   No.     NCOMING 1 no. 240V, 40A TPNP MCB OUTGOING: 12 no. 240V 10A SP MCB   No.     MCB Make-LL3*(rexora)/ABB(elegance)/Schneider/Siemens   SUEMAIN WIRING: Sub-main wring with 1100V grade FRL3 insulated cover flexible copper cable with proper color coding through suitable MS conduit complete with all accessories as per requirement. 1 no. 2.5 sqmm earth FRL3 insulated fiexble copper wire in MS conduit.   Mtr.     For ACDB with 4CX10 sqmt MV power DB, Main gate light cut-off & LDB   Mtr.     No add to complete with all accessories as per requirement. 1 no. 2.5 sqmt earth FRL3 insulated fiexble copper wire in MS conduit.   Mtr.     Complete with all accessories as per requirement. North-west or equivalent with all accessories as per requirement. North-west or equivalent with all accessories as per requirement.   No.     AC <u>POWER points</u> Hall, BM Chander, System point wring for 5 pin 16A shutter with all accessories as per requirement.   No.     Complete with all accessories as per requirement.   No.	and testing of 2x6 mm multistrand copper wire to be inside PVC. Conduit of Engineer-in-charge Mtr 60   POWER DISTRIBUTION EOARD (PDB): TFN MCB DB comprising of following: INCOMING 1 no. 415V 63A TPN MCB OUTGOING 12 no. 240V 25A SP MCBs, (L&T/ABB/SCHNEIDER) No. 1   RAW POWER TPN DB: TFN MCB DB comprising of following: INCOMING 1 no. 415V 63A 4P MCB DUTGOING 3 no. 240V 25A SP MCBs, 9 no. 240V 16A SP MCB Make-(L&T(exora)/ABB(elegance)/Schneider/Simems No. 1   ILGHTING DISTRIBUTION BOARD (LDB): TPN MCB DB comprises: INCOMING 1 no. 240V, 40A TPNP MCB DUTGOING: 12 no. 240V 10A SP MCB Make-(L&T(exora)/ABB(elegance)/Schneider/Simemas No. 1   SUBMAIN WIRING : Sub-main wring with 1100V grade FRLS insulated cover flexible copper cable with proper color coding through suitable MS conduit complete with all accessories as per requirement. For ACDB with 4ACX10 sqmm 1100V grade FRLS insulated core, FRLS insulated cover flexible copper vine in MS conduit 40   Mtr. 400 Somm + 1 no. 2.5 sqmm, frequence nolur fore earth) PVC musulated copper wine for RAW power DB, Main gate light cut-off & LDB AC POWER POINT: AC power point wing FRom PDB/ACDB/DB to AC Power points hall, BM chamber, system ronow with 100V grade 2 no. 4 sgmm + 1 no. 2.5 sqmm, frequent. North-west or equivalent make AC power unit having 25A, single pole rating socket, MCB with pilug, pilug top as starter in sheet steel enclosure at proposed AC locations at 4.5 ft from the floor. 10   POWER POINT: AC power point wiring From DBK with pilug, pilug top as starter in sheet steel enclosure at proposed AC locations at 4.5 ft from the floor. 10   POWER POINT: AC Dower point wiring NFOLMANGB, Cower sign board and Street Light.	and testing of Z26 mm multistrand copper wire to be inside PVC. Conduit   60     of Engineer-in-charge   POWER DISTRUTION BOARD (PDB): TPN MCB DB comprising of following: INCOMING 1 no. 415V 63A TPN MCB: (LATABUSCHNEIDER)   No.   1     RAW_POWER TEND DB: TPN MCB DB comprising of following: INCOMING 1 no. 415V 63A A PM MCB: 90 no. 240V 2AS No.   No.   1     ILENTING DISTRUTION BOARD (PDB): TPN MCB DB comprising: INCOMING 1 no. 415V 63A A PM MCB B (MCM BC DB comprises: INCOMING 1 no. 240V 4AO TPNP MCB OUTCOING: 12 no. 240V 10A SP MCB BC control and the molecular color adding from your and the MCB DC control and the molecular color adding from your and the MCB DC control and the molecular color adding from your and the MCB DC control an

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	1 fan control by one switch	No.	8		
13.2b	2 fans control by one switch	No.	6		
13.3	Ceiling fan point with regulator(100w hum free,0-4 steps-1module mylinc LRGRAND/ABB/L&T),supply and installation of anchor fastener & hook to suspend the ceiling fan, for ceiling fan	No.	5		
13.4	Exhaust fan point	No.	2		
14	Supply and fixing and wiring of shuttered 2 nos 5pin 5/6A, shuttered sokets & 2 nos 5/6A switch beside of computer points on the plate & metal switch box ( (Switch shall be fixed above the table with suitable modular front plate/box and sockets shall be fixed below the counters) including its connections with fris 2CX2.5 sqmm flexible copper cable, and 1 no. FRLS insulated 1.5 sqmm single core copper wires in MS conduit as required complete in all respect. (MAKE-SWITCHES-(ABB(CHEIRON)/LEGRAND(MYRIUS)/MK(BLENZ)(raw power)	No.	18		
15	Providing 2 mtr length of flexible frls. <b>3CX2.5 sqmm flexible pvc multicore</b> <b>ywy copper cable with socket</b> one end connected to plug top 16A with indicator and other end connected to switch board inside and a suitable hook arrangement as required for hanging the cable for power supply disconnection at safe room/locker room ,Record room,Stationery room /antee room etc.	No.	5		
16	SUPPLY AND FIXING OF CALL BELLS : Supply and fixing on wall call bell buzzer suitable for 240V single phase AC supply including inter connections etc as required.	No.	1		
17	AUXILIARY PANEL: SITC of wall/ floor mounted indoor type, vermin-proof, 14SWG sheet steel enclosure Main Panel suitable for 415V, 3 Phase, 4 wire, 50Hz AC System, Each unit shall be accommodated in separate compartments having gasket hinged door with locking arrangement. The cubical should be painted with 2 coats of light grey synthetic enamel paint over two coats of red oxide primer. Name plate of panel, danger boards, incoming and outgoing feeders with ampere rating of switches/ change over switch are to be fixed up on Front door. Short circuit current for all MCBs should be of 10KA(min.). Prior approval of manufacturer's GA drawings from engineer is required.	Set	1		
17.1	Incoming:- In = 125Amp., Icu= 25KA, Ics= 100% of Icu, 4pole MCCB				
17.2 17.3	PVC sleeved TPN tinned copper bus bar: 4X25MMX5MM for phases and neutral.       CU Earth bus bar: 20MMX3MM covering the total length of the panel       METERS: 1 no. Digital MFM for measuring voltage, current, Frequency and PF, 3 no. LED phase indication, 1 sets of 4A HRC fuses, 3 no. 200/5A CT				
17.4	Outgoing:- 3 no. 63A 4P MCB, 2 no. 63A 4P/DP MCB, 1 no. 20A DP MCB				
18	UPSDB : INCOMING- 1 no. 63A DP MCB,OUTGOING : 3 no. 32A DP MCBs etc in sheet steel enclosure with provision for the service cable termination.	No.	2		
19	COMPUTER DISTRIBUTION BOARD (CDB) : Supply and installation of following metallic double door MCB distribution board with RCBO of 100mA sensitivity. SPN 8 way MCB DB complete with bus bar and the following RCBO: Incoming: 1 no. 240V 40A DP RCBO, Outgoing: 10 no. 240V 6A SP MCB Make-(L&T(exora)/ABB(elegance)/Schneider/Siemens, (emergency light points at 1BM, 1near swo, 1 cash counter, 1ups, 1near electrical panel, 1 locker, 1vault.)	No.	2		
20	SUBMAIN WIRING : Sub-main wiring with 1100V grade FRLS insulated cover flexible copper cable with proper color coding through suitable MS conduit complete with all accessories as per requirement.				
20.1	From Auxiliary panel to UPS DB via UPS with 2CX10 sqmm 1100V grade FRLS insulated core, FRLS insulated cover flexible copper cable with proper color coding through suitable MS conduit complete with all accessories as per requirement. 1 no. 2.5 sqmm earth FRLS insulated flexible copper wire in MS conduit	Mtr.	24		
20.2	From 2 <b>CX6 sqmm 1100V</b> grade <b>FRLS</b> insulated core, FRLS insulated cover flexible copper cable with proper color coding through suitable MS conduit complete with all accessories as per requirement. 1 no. 2.5 sqmm earth <b>FRLS</b> insulated flexible copper wire in MS conduit for CDB	Mtr.	70		

21   COMPUTER SOCKET OUTLET CLUSTER POINT WRING   Image: Computer socket outil cluster comparing the following: § no. 61/3 5     21   East computer socket outil cluster comparing the following: § no. 61/3 5   Image: Computer socket outil cluster comparing the following source how that including all inter connections as required UPS Power 1 no. fond cover of suitable size 1 no. mounting box of MAKESWITCHESKABBC/HERNON_LEGRAND(MYRIUS MINK (BLENZ/raw power) with Computer socket outlet cluster point wring with thom MS conduit and conduit accessories FRom CDB to computer socket outlet cluster point wring with thom MS conduit and conduit accessories FRom CDB to computer socket outlet.   No.     21.20   Supply and fixing and wring of shuttered 3 nos Spin 16A, shuttered sockets as 1 nos 16A switch on the plate & melai switch box (suitable G1 box) including its connections as required complete in all respect (UPS Power in 1000 Y pride FRLS insulated 202X.3 sqmm + 1 no. 1.5sqmm copper virior in MS conduit and conduit accessories FRom CDB to computer socket outlet.   No.   2     21.20   Supply and fixing and wring of shuttered 2 nos Spin 16A, shuttered sockets as 1 nos 16A switch on the plate & melai switch box (suitable G1 box) including its connections as required complete in all respect (UPS Power in 1000 Y grade FRLS insulated 202X.3 sqmm + 1 no. 1.5sqmm copper virior in MS conduit and conduit accessories FRom CDB to computer socket outlet.   3     21.20   Supply and fixing and wring of shuttered 2 nos Spin 16A, shuttered sockets as 1 nos 16A shuttered sockets as 1 nos 16A shuttered with policy to more socket outlet cluster point wring with 11000 Y grade FRLS insulated 202X.3 sqmm + 1 no. 1.5sqmm copper vire in MS conduit and con		She	et1			
pin modular type socket, 1 no. 16A modular type common controlling   No.   15     21.28   subted set./MARS_SWITCHES vABBC/ENERNYLEGRANDUMYRUS   No.   15     31/34   Supply and fining and wiring of shuttered 3 nos 5pin 16A, shuttered sockets and the plate 8 metal switch box (subted for box socket outlet cluster point wiring with in MG-induit and conduit accessories FRom CDB to computer socket outlet clustered and the plate 8 metal switch box (subted for box socket outlet cluster point wiring with in MG-induit and conduit accessories FRom CDB to computer socket outlet clustered and the plate 8 metal switch box (subted for box) in No.   2     21.20   Supply and fining and wiring of shuttered 2 nos 5pin 16A, shuttered sockets statistic box (subted for box) in No.   3     21.20   Supply and fining and wiring of shuttered 2 nos 5pin 16A, shuttered sockets statistic box (subted for box) in No.   3     21.21   Supply and fining and wiring of shuttered 2 nos 5pin 16A, shuttered sockets statistic box (subted for box) including lis connections as required completer point wiring with in MG-induit accessories FRom CDB to computer socket outlet clustered	21	COMPUTER SOCKET OUTLET CLUSTER POINT WIRING				
8   1 nos   16A switch on the plate & metal switch box (suitable GI box)   No.   2     121.2b   MK(RELENZ)(ray power) with Computer socket outlet cluster point wing with in MS conduit and conduit accessories FRom CDB to computer socket outlet.   No.   2     21.2b   Supply and fixing and wining of shuttered 2 nos 5pin 16A, shuttered sockets so that cluster point wing with including its connections as required complete in all respect. (UPS Power in Schwitch on the plate & metal switch box (suitable GI box) including its connections as required complete in all respect. (UPS Power in MS conduit and conduit accessories FRom CDB to computer socket outlet (state point wing with 1100V grade FRLS insulated 22X.2 sqmm + 1 no. 1.5sqmm copper wire in MS conduit and conduit accessories FRom CDB to computer socket outlet (state point wing with 1100V grade FRLS insulated 22X.2 sqmm + 1 no. 1.5sqmm copper wire in MS conduit and conduit accessories FRom CDB to computer socket outlet (state point wing with 1100V grade FRLS insulated 22X.2 sqmm + 1 no. 1.5sqmm copper wire in MS conduit and conduit accessories FRom CDB to computer socket outlet (state point wing with 1100V grade FRLS insulated 22X.2 sqmm + 1 no. 1.5sqmm copper wire in MS conduit and conduit accessories FRom CDB to computer socket outlet (state point wing with 1100V grade FRLS insulated 22X.2 sqmm + 1 no. 1.5sqmm copper wire in MS conduit and conduit accessories FRom CDB to computer socket outlet (state point wing with 1100V grade FRLS insulated 22X.2 sqmm + 1 no. 1.5sqmm copper wire in MS conduit and conduit accessories from come state trans in the state (state point wing with 1100V grade FRLS insulated 22X.2 sqmm + 1 no. 1.5sqmm copper wire in MS conduit and conduit accessories from come state trans state astate trans in toletstate trans trans in toletstate trans astrequi	21.2a	pin modular type socket, 1 no. 16A modular type common controlling switch with indicator (above table) including all inter connections as required <u>UPS Power</u> 1 no. front cover of suitable size, 1 no. mounting box of suitable size.(MAKE-SWITCHES-(ABB(CHEIRON)/LEGRAND(MYRIUS )/MK(BLENZ)(raw power) with Computer socket outlet cluster point wiring with 1100V grade FRLS insulated 2CX2.5 sqmm + 1 no. 1.5sqmm copper wire in MS conduit and conduit accessories FRom CDB to computer socket		15		
8. 1 roos 16A switch on the plate & metal switch box (suitable GI box)   No.   3     21.2c   including its connections as required complete later point wring with 100.05 grade FRLS insulated 2CX2.5 sqmm topper write in MS conduit and conduit accessories FRom CDB to computer socket outlet.   No.   3     22   SUPPLY & INSTALLATION OF LIGHT FITTINGS & FANS   Image: Comparison of the plate as theplate as theplate as the plate as the plate as the plate as thepl	21.2b	& 1 nos 16A switch on the plate & metal switch box (suitable GI box) including its connections as required complete in all respect. (UPS Power in server room)(MAKE-SWITCHES-(ABB(CHEIRON)/LEGRAND(MYRIUS )/MK(BLENZ)(raw power) with Computer socket outlet cluster point wiring with 1100V grade FRLS insulated 2CX2.5 sqmm + 1 no. 1.5sqmm copper wire in MS conduit and conduit accessories FRom CDB to computer socket	No	2		
22.1   SITC of LED light 12W with holder in corners, toilet, back passage, ups etc. (philips/wipro/crompton/Baja)   No.   8     22.2   SITC T5 LED 18/20W tube light 4 Ft. with white diffuser coverbatten type, philips/WIPRO/crompton(saferoom, pantry, record room, ups room etc   No.   10     22.3   SiTC of LED 18W light & fixture recessed type with all interconnection and fixing arrangements as required.(philips/Bajaj/GE/crompton/wipro) (lumens>1200, watt<15)	21.2c	& 1 nos 16A switch on the plate & metal switch box (suitable GI box) including its connections as required complete in all respect. (UPS Power in server room)(MAKE-SWITCHES (ABB(CHEIRON)/LEGRAND(MYRIUS )/MK(BLENZ)(raw power) with Computer socket outlet cluster point wiring with 1100V grade FRLS insulated 2CX2.5 sqmm + 1 no. 1.5sqmm copper wire in MS conduit and conduit accessories FRom CDB to computer socket	No.	3		
1   (philips/wipro/crompton/Bajaj)   NU.   0     21.   (philips/wipro/crompton/Bajaj)   NU.   0     22.   230 V, 50 Hz duly wired and tested, philips/WIPRO/crompton(saferoom,pantry,record room, ups room etc   No.   10     22.3   SITC of LED 15W light & fixture recessed type with all interconnection and fixing arrangements as required. (philips/Baja/GE/crompton/wipro) (lumens>1200, wati<15)	22	SUPPLY & INSTALLATION OF LIGHT FITTINGS & FANS				
22.2   230 V, 50 Hz duly wired and tested, philips/WIPRO/crompton(saferoom,pantry,record room, ups room etc   No.   10     22.3   fixing arrangements as required. (philips/Bajaj/GE/crompton/wipro) (lumens>1200,watt<15)	22.1		No.	8		
22.3   fixing arrangements as required.(philips/Bajaj/GE/crompton/wipro) (lumens>1200,watt<15)	22.2	230 V, 50 Hz duly wired and tested,	No.	10		
22.4   connections and fixing arrangement as required.(philips/GÉ/crompton/wipro) (lumens>3000,<40watts,life >50000hrs)   No.   14     22.5   SITC of 400mm hi flow model wall mounted fan as required(counters,banking hall,columns, ups room, system room. (crompton/bajaj/orient) white in colour.   No.   16     22.6   SITC of 1400MM ceiling fan Crompton/,bajaj/orient White.   No.   5     22.7   SITC of 9" dia 230V,1400 rpm exhaust fan as in toilets, ups room, toilets etc. (crompton/bajaj/orient)   No.   2     22.8   Supply & installation of LED street light fitting 1*40W (PHILIPS/BAJAJ/CROMPTON/WIPRO)   No.   2     23   LAN CABLING WORK	22.3	fixing arrangements as required.(philips/Bajaj/GE/crompton/wipro)	No.	32		
22.5   required(counters,banking hall,columns, ups room, system room. (crompton/baja/orient) white in colour.   No.   16     22.6   SITC of 1400MM ceiling fan Crompton/bajaj/orient White.   No.   5     22.7   SITC of 9" dia 230V,1400 rpm exhaust fan as in toilets, ups room, toilets etc. (crompton/bajaj/orient)   No.   2     22.8   Supply & installation of LED street light fitting 1*40W (PHILIPS/BAJAJ/CROMPTON/WIPRO)   No.   2     23   LAN CABLING WORK   Image: Compton / Lang E-CAT 6 PATCH CHORD (Make: D-LINK, AMP, HCL, Legrand)   No.   1	22.4	connections and fixing arrangement as required.(philips/GE/crompton/wipro)	No.	14		
22.7   SITC of 9" dia 230V,1400 rpm exhaust fan as in toilets, ups room, toilets etc. (crompton/bajaj/orient)   No.   2     22.8   Supply & installation of LED street light fitting 1*40W (PHILIPS/BAJAJ/CROMPTON/WIPRO)   No.   2     23   LAN CABLING WORK   2     23.1   Supplying and installation of switch 24 ports 10/100 BASE-TX ports, as approved by the Bank. (Make: CISCO)   No.   1     23.2   Supply of 2 mtr. Long E-CAT 6 PATCH CHORD (Make: D-LINK, AMP, HCL, Legrand)   Nos.   20	22.5	required(counters,banking hall,columns, ups room, system room.	No.	16		
22.7 (crompton/bajaj/orient) No. 2   22.8 Supply & installation of LED street light fitting 1*40W (PHILIPS/BAJAJ/CROMPTON/WIPRO) No. 2   23 LAN CABLING WORK 2   23.1 Supplying and installation of switch 24 ports 10/100 BASE-TX ports, as approved by the Bank. (Make: CISCO) No. 1   23.2 Supply of 2 mtr. Long E-CAT 6 PATCH CHORD (Make: D-LINK, AMP, HCL, Legrand) Nos. 20	22.6		No.	5		
22.3   (PHILIPS/BAJAJ/CROMPTON/WIPRO)   No.   2     23   LAN CABLING WORK	22.7	(crompton/bajaj/orient)	No.	2		
23.1   Supplying and installation of switch 24 ports 10/100 BASE-TX ports, as approved by the Bank. (Make: CISCO)   No.   1     23.2   Supply of 2 mtr. Long E-CAT 6 PATCH CHORD (Make: D-LINK, AMP, HCL, Legrand)   Nos.   20		(PHILIPS/BAJAJ/CROMPTON/WIPRO)	No.	2		
23.1 approved by the Bank. (Make: CISCO) No. 1   23.2 Supply of 2 mtr. Long E-CAT 6 PATCH CHORD (Make: D-LINK, AMP, HCL, Legrand) Nos. 20	23					
23.2 Legrand) Nos. 20	23.1	approved by the Bank. (Make: CISCO)	No.	1		
Quere have not been and the CAT OLITER and the Date Origin with the poly of	23.2		Nos.	20		
23.3 conduit, Rate to include for termination on both end or as directed by E-I-C. (MAKE- D-LINK, AMP, HCL)	23.3		Metre	720		
Supply and fixing of information outlet box suitable for RJ 45 terminals including mounting box (PVC) & top cover, to be fixed a concealed manner in partition by necessary bolts & nuts or as directed at site. (MAKE- D-LINK, AMP, HCL, Legrand)	23.4	including mounting box (PVC) & top cover, to be fixed a concealed manner in partition by necessary bolts & nuts or as directed at site. (MAKE- D-LINK,	Nos.	24		
23.5 Supply & installation of 9U Rack with power supply arrangement, ventilation fan, mounting racks ect. Complete with all accessories. No. 1	23.5		No.	1		
				GRAN	ND TOTAL (Excluding GST)	

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Note:

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Measurement sheet for the work done, GA drawing for Main panel, UPS panel and As built drawing, Earthing test report, Meggar test report & test certificates for the cables will be provided to the electrical engineer. Work completion certificate which includes dismantling of existing wiring and Distribution boards will be provided by the branch manager. All cables except the ones mentioned have been included in their relevant sections. Distance between earthings must be at least 3.5 Mtr. Since its a renovation of the branch, bank shall use the equipments, switchgear etc. if found in healthy condition.

Vendor shall provide five years warranty for the earthing pit with its standard earthing test value. Vendor shall also provide a certificate of warranty for the purchase of light fittings to the branch manager. The work must be guaranteed for a period of 12 months for its satisfactory performance from the date of completion and all defects cropping up within this period must be rectified at contractor's cost immediately. VENDOR SHOULD VISIT THE SITE BEFORE PARTICIPATING IN THE TENDERING PROCESS.

Signature of the contractor with official seal