SCHEDULE OF QUANTITIES					
ELECTRICAL INSTALLATION WORKS					
FOR OPENING OF PROPOSED NEW BRANCH AT GITAM COLLEGE ROAD, YENDADA					
S. No.	**Description**	**UOM**	**Qty.**	**Rate (Rs.)**	**Amount (Rs.)**
1	Supply, installation, Testing and commissioning of minimum **125 Amps Porcelain Fuse Unit for 3 phase, 4 wire, 415+10% Volts** supply firmly fixed on adequate thick hylum sheet and arranged as per Site/ Banks requirement. (suitable for commercial type load)	Set	1		0.00
2	Supply, installation, testing and commissioning of **4 way VTPN DB** (IP43 - IK08 - approved make) comprising of Incomer: 125 Amps 4P MCCB Outgoing: 1 No.s 100 Amps TP isolator (for COS), 1 No.s 63 Amps TP MCB (for ACDB) 1 No.s 63 Amps TP MCB (for spare) at out going with inter connection in PVC insulated color coded wire in PVC conduit cable socket including loop earth connection to earth busbars etc. all complete including mending good the damage and painting. The MCCB should have adjustable overload setting With load/ line interchangeability with thermo magnetic/ static release.**(for Main DB)**	Set	1		0.00
3	Supply and installation of **100 Amps, 4P, ON LOAD Change Over Switch (Rotary type)** with suitable metallic enclosure with hinged door cable entry box and powder coat painted and indication of EB or DG Set supply separately (3 - Phases each) with neat marking. **(b/w Mains & Essential DB)**	Set	1		0.00
4	Supply, installation, testing and commissioning of 2 KVAr capacity **three phase wall mountable fixed capacitors**	No.s	1		0.00
5	Supply, installation, testing and commissioning of **4 way VTPN DB** (Compact, IP 43-IK 08 - approved make) comprising of Incomer: 100 Amps 4P MCCB Outgoing: 1 No.s 63 Amps TP MCB (for L&PDB), 1 No.s 40 Amps TP MCB (for ATM), 2 No.s 32 Amps SP MCB (for UPS), 1 No.s 10 Amps SP MCB (for Glow sign board), 1 No.s 10 Amps SP MCB (for Outside lighting), at outgoing with inter connection in PVC insulated color coded wire in PVC conduit cable socket including loop earth connection to earth bus bars etc. all complete including mending good the damage and painting.**(for Essential DB)**	No.s	1		0.00
6	Supply, installation, testing and commissioning of **4 way VTPN DB** (Compact, IP 43-IK 08 - approved make) comprising of Incomer: 63 Amps 4P MCB Outgoing: 2 No.s 25 Amps TP MCB (for 1 KVAr, 2KVAr capacitor), 4 No.s 32 Amps SP MCB (for 2.0 Tr AC units) at outgoing with inter connection in PVC insulated color coded wire in PVC conduit cable socket including loop earth connection to earth bus bars etc. all complete including mending good the damage and painting.**(for AC DB)**	No.s	1		0.00

7	Supply, installation, testing and commissioning of **6 + 2 way PPI DB** (Compact) with Incomer: 63 Amps 4P MCB Outgoing: 3 x 32 Amps 30 ma ELCB for each phase 3 x (6 No.s, 10-16A, SP, MCBs) to individual Switch Board circuits, BM, CO Ac's, etc as per Banks requirement.**(for L&PDB)**	No.s	1		0.00
8	Supply, installation, testing and commissioning of **12 way double door SPN DB** with Incomer: 32 Amps, 2P, MCB Outgoing: 9 No.s 6-10 Amps, SP, MCB's to individual Switch Board circuits.**(for UPS DB)**	No.s	1		0.00
9	Supply, installation, testing and commissioning of **12 way double door SPN DB** with Incomer: 40 Amps, 4P, MCB Outgoing: 3 No.s 25/ 32 Amps, DP, MCB's to individual Switch Board circuits.**(for ATM DB)**	No.s	1		0.00
10	Supply, installation, testing and commissioning of **12 way double door SPN DB** with Incomer: 32 Amps, DP, MCB Outgoing: 4 No.s 10-16 Amps, SP, MCB's to individual Switch Board circuits.**(for ATM UPS DB)**	No.s	1		0.00
11	Supply, installation, testing and commissioning of **25/ 32A industrial plug socket** in metal clad without MCB	No.s	8		0.00
12	Supply & fixing of **40 Amps DP MCB** in suitable metallic box enclosure (for UPS Input & Output **of branch**)	Nos.	4		0.00
13	Supply & fixing of **32 Amps DP MCB in suitable 4P metalic enclosure**/ metallic box (for Local control of Banking Hall AC)	Nos.	4		0.00
14	Supply & fixing of **25 Amps DP MCB in suitable DP metalic enclosure**/ metallic box (for Local control of BM & CI Room AC)	Nos.	3		0.00
15	Supply & fixing of **30mA DP ELCB** of 32 Amps rated in suitable existing metallic box (for Local control of Banking Hall AC)	Nos.	4		0.00
16	Supply & fixing of **40 Amps DP MCB type Change over switch in suitable metalic enclosure**/ metallic box	Nos.	2		0.00
17	Supply & Laying of following 1100V grade armored cable having sector/ circular shaped aluminum conductor XLPE insulated cores, laid up, PVC tape wrapped inner sheathed, GI strip/ wire armored and overall extruded PVC sheathed confirming to IS: 7098, laid along with 1 Run of 8 SWG GI Wire on wall or ceiling using GI clamps and spacers as per route shown at site and further as directed by Bank/ Architect.				
a	4c x 35 sq.mm AYFY Cable	Mtr.	38		0.00
b	4c x 25 sq.mm AYFY Cable	Mtr.	12		0.00
c	4c x 16 sq.mm AYFY Cable	Mtr.	72		0.00
18	End termination of the following size of cables using flange type cable glands and heavy duty tinned aluminium crimping type cable sockets including gland earthing.				
a	4c x 35 sq.mm AYFY Cable	Nos.	6		0.00
b	4c x 25 sq.mm AYFY Cable	Nos.	4		0.00
c	4c x 16 sq.mm AYFY Cable	Nos.	12		0.00

19	Supply and wiring wall / floor etc. / recessed / surface as per colour code with **the following size PVC Insulated copper wire** along with **given earth wire** for phase neutral and earth conductor with standard colour coding, **through ISI marked rigid PVC conduit.**				
a	**4 core x 1.5 sq.mm** PVC **Copper flexible FRLS cable** in 2 mm thk, adequate dia conduit (from EB cutouts to RYB LED indication board)	Mtr.	22		0.00
b	**3 core x 2.5 sq.mm** PVC **Copper flexible FRLS cable** in 2 mm thk, adequate dia conduit (from Essential DB to O/L timer & Glow sign board)	Mtr.	54		0.00
c	**4 core x 2.5 sq.mm** PVC **Copper flexible FRLS cable** in 2 mm thk, suitable dia conduit (for AC DB to fixed Capacitor)	Mtr.	15		0.00
d	**3 runs x 6.0 sq.mm** PVC **Copper flexible FRLS cable** in 2 mm thk, adequate dia conduit (for Essential DB to UPS i/p, UPS o/p to UPS DB)	Mtr.	81		0.00
20	**CIRCUIT WIRING/ SUB CIRCUIT WIRING:** Circuit wiring starting from DB's to switch board using **3 runs X 2.5 sq.mm. PVC insulated 1100 V Grade copper stranded conductor (FRLS) wires** for phase, neutral and earth wire through 2mm thick heavy duty PVC conduit (color code to be used & Flexible conduit not allowed). The conduit to be laid in false ceiling/ wall/ floor and flling the chase with cement mortar and finishing the same in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete. i) Each circuit shall have independent earth wire. ii) Termination is to be included in rates.				
a	**Primary circuit** wiring (from DB to Switch board)	No's	7		0.00
b	**Secondary circuit** wiring (looping from above Switchboard to other)	No's	5		0.00
21	**UPS/ RAW POWER POINT WIRING TO DESK/ WORKSTATION:** Circuit wiring starting from DB's to point control box/ switch board using **3 runs X 2.5 sq.mm. PVC insulated 1100 V Grade copper conductor (FRLS) wires** for phase, neutral and earth wire in concealed/ surface using 2mm thick heavy duty PVC conduit (color code to be used & Flexible conduit not allowed). The conduit to be laid in false ceiling/ wall/ floor and flling the chase with cement mortar and finishing the same in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete. i) Each circuit shall have independent earth wire. ii) Termination is to be included in rates.				
a	**Primary circuit** wiring (from DB to Workstation/ SWO counter power point)	No's	11		0.00
b	**Secondary circuit** wiring (looping from above Workstation/ SWO counter power point to other)	No's	6		0.00

22	Wiring for light point/ fan point/ wall fan point/ exhaust fan/ light sockets etc. with **3 runs X 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor (FRLS) wires** for phase, neutral and earth wire in concealed/ surface using **heavy duty PVC conduit** along with associated accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose, Modular switch, socket, etc (wherever required) and chromium plates brass screws/ rowel plug etc. i) Each circuit shall have independent earth wire. ii) Each point shall be earthed. iii) 6A/16 A switch and termination is to be included in point wiring rates.				
a	**One light points** controlled by one 6 amp. Modular switch.	No's	23.00		0.00
b	**Two light points** controlled by one 6 amp. Modular switch.	No's	24.00		0.00
c	**Three light points** controlled by one 6 amp. Modular switch.	No's	5.00		0.00
d	One **Wall fan/ Exhaust fan point** with 6 amp 3-pin socket controlled by one 6 amp. Modular switch. The switch should be at switch board level including Box, plate, accessories etc complete.	No's	18.00		0.00
e	One **Ceiling fan point** with 6 amps Modular switch and 5 step electronic regulator. The switch and regulator should be at switch board level including termination on both ends with all accessories.	No's	5.00		0.00
f	One 5 pin 6 amps socket controlled by one 6 amp. Modular switch on existing Switch boards including termination with all accessories. (**on board socket**)	No's	12.00		0.00
23	Supply all materials and wiring through wall floor etc, concealed as per colour code with following rating PVC insulated stranded copper wire (FRLS) in 2mm thk heavy duty PVC pipe upto end terminations (DB to AC Terminal point). **Note:** Any Local/ remote control accessories between the circuit shall be omitted for measurement.				
a	3 runs x **2.5 sq mm (1-phase)** for 1.5/ 1.0 Tr AC's	No's	4		0.00
b	3 runs x **4.0 sq mm (1-phase)** for 2.0 Tr AC's	No's	4		0.00
24	Supply, installation, testing and commissioning of **LED indicator lamps (with Voltage reading indication) (R, Y, B)** with 3 no.s LED lamp holders and 3 nos. 6 A swtches on a suitable board **tapping power from Electricity Board fuse cut outs.** The rate shall be excluding of wiring.	Set	1		0.00
25	Supply, installation, testing and commissioning of 1.1 kV grade **3 core 2.5 sq. mm flexible copper cable 3 meter length connected at one end with 15 A three pin socket** and other end connected permanently to the switch board of safe room / locker room.	Set	3		0.00
26	Supply, Installation, testing and commissioning of following **Modular type switchboards with switches/ plugs/ sockets** mounted on suitable GI/ PVC box. The boxes are to be fixed on the Partitions/ Walls and recessed by suitably cutting/ chiseling making good the damage and all other accessories complete. The rate shall include the termination of circuit/ sub circuit wiring and internal looping/ wiring as instructed by the Architect/ Bank Engineer-in-charge.				
a	**3 no. 6A sockets** fixed below the table, to be controlled by **one no. 16 A modular switch** above the table / counter. (for Work station UPS power outlets)	Set	8		0.00
b	**3 no. 6A sockets** fixed above the table to be controlled by **one no. 16 A modular switch** above the table / counter. (for Workstation Raw power outlets)	Set	6		0.00

c	**4 no. 6A sockets** to be controlled by **one no. 16 A modular switch** as per site requirement. (for LAN, CCTV Power outlets)	Set	2		0.00
c	**1 no. 16 A socket** controlled by **one No. 16 A switch.** (for Raw power outlets)	Set	6		0.00
d	**2 no. 6 A sockets** controlled by **one No. 16 A switch.** (for Raw power outlets)	Set	3		0.00
27	Supply, installing and commissioning of **Copper plate earth station** including digging and refilling back the pit with black soil and with 3mm x 600mm X 600 mm size copper plate duly tinned through out the surface of the plate, placed at least 2.5 Mtr,below the ground level with 25 X 3 flat Cu strip fixed to the plate and providing 40mm,2mtr,long GI pipe with reducer and funnel at top for watering pipe. As per IS 3043-1987 or latest version. The price should be inclusive of preparation of brick masanary chamber with openable covering plate and terminations etc.	Set	2		0.00
28	Supplying and laying earth continuity wire of **2 runs of 10sqmm Cu insulated wire** in adequate size PVC conduit on/ through the wall/ ground/ duct from earth pit terminal to the earth bench with all necesssary accessories and terminations.	Rmt	30		0.00
29	Providing standard **GI pipe earth station**, with 40 mm dia 2500 mm long GI Pipe including excavation, placed at least 2.5 Mtr below the ground level, construction of brick masonry chamber providing meshed funnel, electrode, watering pipe, charcoal and salt fill, CI cover completely as per IS 3043-1987 or latest revision. The price should be inclusive of preparation of brick masanary chamber with openable covering plate and terminations etc.	Set	2		0.00
30	Supplying and laying earth continuity wire of **8 SWG GI insulated wire** in adequate size PVC conduit on/ through the wall/ ground/ duct from earth pit terminal to the earth bench with all necesssary accessories and terminations.	RM	63		0.00
31	Supply & Installation of **25 x 3 mm tinned Copper Earth Bench of 30 cm** long for termination of main earth conductors and other interconnections.	Nos.	2		0.00
32	Supply, installation, testing and commissioning of **Recess mounted Full Glow lumanaire of 2' X 2' flat type modular 36W LED light fixture (6500 K, Cool white)** complete with electronic driver, wiring, heat sink, opal acrylic diffuser etc. suitable for gyp board or metric false ceiling. The fixture shall be provided with atleast three nos. 20mm dia knock out holes on the top side for fixing down rods and wiring purpose.	Nos.	18		0.00
33	Supply, installation, testing and commissioning of **Recessed decorative LED 15 Watt down lighter fixture (6500 K, Cool white)** complete with electronic driver, wiring, heat sink, opal acrylic diffuser etc. suitable for gyp board or metric false ceiling.	No.s	51		0.00
34	Supply, installation, testing and commissioning of **18 W - 22W LED batten (4 ft. length) light fixture** along with all other connections & accessories rerquired.	No.s	15		0.00
35	Supply, installation, testing and commissioning of **9W - 10W LED batten (2 ft) light fixture** along with all other connections, accessories rerquired & suitable for indoor application.	No.s	2		0.00
36	Supply, installation, testing and commissioning of **15-18W True ceiling mounted Down light (LED) fittings/ Portico light fittings** with all accessories. Make as specified in tender document or approved by the consultant & Bank before proceeding for SITC.	No.s	5		0.00

37	Supplying, fixing, testing and commissioning of **2W LED spot light** of make as specified in tender document or approved by the bank complete with all necessary accessories & suitable for gyp board or metric false ceiling.	No.s	5		0.00
38	Supply, installation, testing and commissioning of **Exhaust fan 300 mm sweep and metal body** of Crompton / Bajaj /Usha / Havell's make	No.s	3		0.00
39	Supply, installation, testing and commissioning of **BLDC Ceiling fans of 1200 mm sweep (White colour)** with all accessories. Make as specified in tender document or approved by the consultant & Bank before proceeding for SITC.	No.s	5		0.00
40	Supply and providing **fan hook** on ceiling with all accessories.	No's	5		0.00
41	Supply, installation, testing and commissioning of **Metal body Wall mounted bracket fan with 3 pin Plug** 450 mm Crompton/ Bajaj/ Usha/ Havell's make	No.s	11		0.00
42	Supply, installation, testing and commissioning of **battery operated Call buzzer** for Branch Manager chamber along with battery set.	Set	1.00		0.00
43	**Marking of Panels, DBs**, its switch and fuse ratings, cable size, location etc on DBs, for EB (Red), UPS (Blue) distribution boxes, Switch/Socket Boards etc. with radium sticker/ stencil with permanent marker/ painting only.	Lot	1		0.00
44	Charges for **preparation of single line diagram** of the whole electrical installation using AutoCAD, lamination and displaying it inside the UPS room.	Lot	1		0.00
45	Supply and providing of 1mtr. x 2mtr. size (Approx.) x 2.5-3mm thick electrical grade **minimum class B rubber insulation mat** in Electrical / UPS Room.	Nos.	1		0.00
46	Supplying and fixing of **Electric shock treatment chart in Trilingual (Telugu, Hindi and English)** of minimum 50cm X 70cm size with water proof laminate and adequate frame including wall fixing arrangements in Electrical/ UPS room.	Nos.	1		0.00
47	Supply, installation, testing and commissioning of **240V, 50 Hz, minimum 16 Amps rated 24 hrs Digital Timer switch** for lighting control with all other accessories as instructed by bank official. (**for outside lighting**)	Nos.	1		0.00
48	Supply, Installation, testing and commissioning of **1 No's 63 Amps 4P isolator, 1 No's 63 Amps 4P isolator within a single metal enclosure/ DB**, fixed/ recessed in the wall at entrance of branch premises with all other terminations required etc. (For Master Control of AC DB & LDB at Branch Entrance)	Set	1		0.00
	GRAND TOTAL:				**0.00**

Note:

1. GST as applicable shall be paid extra.
2. All materials shall be selected by the SBI officials or Engineer-in-charge before execution.
3. All the quantities are approx and executed as per site requirement.
4. The Bank reserves the right to select any of the brands indicated in the "List of Approved Makes" incase of delay in delivery of ordered 'make of item'.
5. The contractor cannot claim anything extra if the Bank changes the make but within the list of approved make.
6. Bidder shall visit/ inspect the site before quote.