

TENDER SCHEDULE FOR SBI NILAMBUR TOWN BRANCH: ELECTRICAL WORKS					
No.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<u>MODULAR SOCKETS:</u>				
a	Supply and fixing of 4nos. 5A ,3 pin plug sockets with 1 no 16A switch fixed on a suitable module metal box and white front plate (Modular type) including all interconnections as required UPS power (Indicator Switch shall be fixed above the table with suitable modular front plate/box and sockets shall be fixed below the counters)	18.00	no		
b	Supply and fixing of 2nos. 5A sockets with 1 no 16A switch fixed on a suitable module metal box and white front plate (Modular type) including all interconnections as required Rawpower (Switch shall be fixed above the table with suitable modular front plate/box and sockets shall be fixed below the counters)(Raw power - 12 nos, UPS -10 nos)	41.00	no		
c	Supply and fixing of modular RJ11 telephone sockets with suitable mounting box (Modular type) including all interconnections as required (Bm, officers,counter,reception,fo)	19.00	no		
d	Supply and fixing of 3nos. 15A sockets with 1 no 16A switch fixed on a suitable module metal box and white front plate (Modular type) including all interconnections as required UPS power(for the SERVER room)socket for the hub must be fixed as per the location of HUB inside the server room	1.00	no		
e	Supply and fixing of 1nos. 15A socket with 16A switch fixed on a 3 module metal box and white front plate (Modular type) including all interconnections as required	10.00	no		
f	Supply and fixing of 1nos. 15A socket fixed on a 3 module metal box and white front plate (Modular type) including all interconnections as required for safe room,record room,locker room	3.00	no		

g	Providing 2 meter length of flexible 3core 2.5sqmm multi core copper cable one end connected to plug top 15A and the other connected to the SB inside and a suitable hook arrangement as required for hanging the cable	3.00	no		
2	<u>LIGHT & FAN POINT WIRING</u>				
a	Point wiring with 1.5sqmm 650V grade multistranded PVC insulated copper wire FRLS type in MS/PVC PIPE for lights, fans including supply & fixing of 5 amp modular switch in concealed MS switch box, front plate, 3 plate ceiling rose/Angle holder in suitable block having provision for concealed circuit wiring with 3 Nos (P,N,E) 2.5sqmm. and all interconnections as required.	82	pts		
b	same as the above with two light points controlled by single switch	13.00	pts		
c	Supply and fixing of flush type 6A, 5 pin combined switch socket outlet in the Lighting control switch boards including interconnections complete as required.(dependent)	13.00	nos		
d	Same as item 2a but for call bell points including providing new buzzer for the Branch Manager cabin as required	2.00	nos		
e	Supply and installation of 25 A Modular type 3 pin plug socket with suitable metallic box for air conditioners	6.00	nos		
f	Supply and installation of 25A modular type DP switch (2 module with indicator) with suitable metallic /PVC box for the local control of the air conditioners.	6.00	nos		
3	<u>UPS, RAW POWER & TEL WIRING:</u>				

a	Supply and wiring with 3runs of 2.5 sq.mm 1100 V grade PVC insulated multi strand copper conductor wires FRLS conforming to IS 694 (with latest amendments) in suitable size PVC CONDUIT of 2mm thick concealed in the above ducts in the floor and supply of all fixing materials and accessories, interconnections complete as required for the UPS power sockets in the single window counters and officer tables. (UPS ,Raw power points over counter,16A plug points, cash officer, signage boards)	1200.00	mtr		
b	Wiring for the wall mounting fans from the nearest switch board with 1.5sqmm 650V grade multistranded PVC insulated copper wire FRLS in MS/PVC PIPE and all interconnections as required i.	500.00	mtr		
c	Cutting the floor to the required depth 2" and width 6" for burying the conduits for the UPS/raw power socket wiring and plastering the floor surface.	200.00	mtr		
d	Supplying and laying 2 pair telephone wire 0.50Sqmm in Modi make PVC /casing capping / pipe of 20/25 mm dia for the telephone points as per the layout.	900.00	mtr		
e	Chipping the wall for laying the PVC pipes ,re plastering and bringing back it to original finish for concealing the existing vertical drops/switch boards	150.00	mtr		
f	Supply and laying of 20 Pair armoured telephone cable with all accessories	50.00	mtr		
g	KSEB/DG Indication lamp wiring using 3 nos LED indication lamp with 3 nos 6A switch for indicating KSEB supply using 1.5sq.mm wire though pvc pipe	1.00	Nos.		
4	<u>DISTRIBUTION BOARDS</u>				
	Supply and installation of following size MCB distribution boards with following combination of MCBs as required				

a	MAIN PANEL: Fabrication, Supply, installation, testing & Commissioning of cubical type,dust and vermin proof,wallfloor mounted,front operated MV panel board made out of 16 SWG thick CRCA sheet,fully compartmentalized complete with hinges and earthed front doors with name plate,danger notice board,heavy duty rubber gaskets,removable gland plates,suitable busbar ratings, Multifunction meter, three phase indicator etc with CU busbar. the following 125A FP MCCB,25KA as incomer - 1 No Out goings: 80A FP MCCB,25KA- 2 nos(DB with DG backup,Spare) 63A FP MCCB,25KA - 2 nos(Outgoing to DB without DG backup,spare), Terminating all the exiting cables and other. Etc Complete.	1.00	nos		
b	3 phase 4 way VTPN DB Incomer: 100A FP MCCB 16KA (set at 80A) &outgoing : 63ATP MCB - 4 nos (UPS, spare, Non essential DB1 with Generator power)	1.00	nos		
c	3 phase 4 way VTPN DB Incomer: 63A FP MCCB 16KA (set at 80A) &outgoing : 63ATP MCB - 4 nos (UPS, spare, Non essential DB2 with out Generator power)	1.00	Nos.		
d	3 phase 6 way ETPN DB Incomer: 40A FP RCCBO +30mA &outgoing :20A/32A SP MCB – 10 nos for PDB1 power circuits at banking hall	1.00	Nos.		
e	3 phase 6 way ETPN DB Incomer: 40A FP RCCBO +30mA &outgoing :20A/32A SP MCB – 10 nos for PDB2/AC power circuits at banking hall	1.00	Nos.		
f	3 phase 4 way ETPN DB Incomer: 40A FP RCCBO +30mA &outgoing :16A/20A/32A SP MCB – 10 nos for LDB1 power circuits at banking hall	2.00	Nos.		
g	3 phase 4 way ETPN DB Incomer: 40A FP RCCBO +30mA &outgoing :16A/20A/32A SP MCB – 10 nos for LDB2 power circuits at banking hall	1.00	no		
h	3 phase 4 way VTPN DB Incomer: 40A FP RCCBO +100mA &outgoing :32A TP MCB – 2 nos, 16A/20A/32A SP MCB – 6 nos for Generator powered AC power circuits at banking hall	1.00	no		

I	2 + 8 way MCB Double door DB for UPS sockets Incomer : 32A DP hpi MCB &Outgoing : 10/6 A SP MCB 6 Nos. for UPS (RHS)	1.00	Nos.		
J	2 + 12 way MCB Double door DB for UPS sockets Incomer : 32 A DP hpi MCB &Outgoing : 10/6 A SP MCB 10 Nos. for UPS (LHS)	2.00	Nos.		
k	2 + 12 way MCB Double door DB for UPS sockets Incomer : 63A DP MCB &Outgoing : 40 A DP MCB 2 Nos. for UPS splitter DB	1.00	Nos.		
L	UPS CHANGE OVER PANEL Supply erection testing and commissioning of 2 Nos. 63A rotary type change over switch in suitable metal box with 4 Nos. LED indicator for input / output identification. UPS Output change over switch board.	1.00	Nos.		
M	Supply and fixing of 40A FPMCB + 100 mA ELCB on a suitable metal box for power supply to Branch UPS including all interconnections as required for the Input (Legrand/Siemens/L&T)	1.00	Nos.		
N	Supply and fixing of 63A DPMCB on a suitable metal box for power supply to Branch UPS including all interconnections as required for the Input-Output (Legrand/Siemens/L&T) for 7.5KVA UPS output	1.00	Nos.		
O	Supply and fixing of 40A DPMCB on a suitable metal box for power supply to Branch UPS including all interconnections as required for the Input-Output (Legrand/Siemens/L&T) for 3KVA UPS Input -Output	2.00	Nos.		
P	Supply and fixing of 25A TPMCB on a suitable metal box for power supply to Branch UPS including all interconnections as required for the Input-Output (Legrand/Siemens/L&T)	2.00	Nos.		
Q	Supply and fixing of 63A FP MCCB,25KA on a suitable metal box with suitable termination facility for 3.5C 25 Sqmm Al Armoured cable for switching off and on the non essential loads after the office hours including all interconnections as required .(Legrand/Siemens/L&T)	2.00	no		
5	<u>SUB-MAIN & AC WIRING</u>				

a	Wiring with 2 runs of 6 Sq.mm 1100V grade PVC insulated Copper conductor multi strand wires FRLS along with one run of 6 mm copper earth wire run in suitable size 2 mm thick PVC CONDUIT run concealed on wall/ Ceiling etc as required. (Ups splitter DB for 7.5KVA, input -output for 3KVA)	80.00	mtr		
b	Wiring with 2 runs of 4Sq.mm 1100V grade PVC insulated Copper conductor multi strand wires FRLS along with one run of 4mm copper earth wire run in suitable size 2 mm thick PVC CONDUIT run concealed on wall/ Ceiling etc as required. (1 Tr split ac,Ups sub Db,1.5Tr AC,2TR Split AC)	220.00	mtr		
c	Wiring with 4 runs of 4Sq.mm 1100V grade PVC insulated Copper conductor multi strand wires FRLS along with one run of 4mm copper earth wire run in suitable size 2 mm thick PVC CONDUIT run concealed on wall/ Ceiling etc as required. (for 3tr Mega Split)	70.00	mtr		
d	Wiring with 4 runs of 6 Sq.mm 1100V grade PVC insulated Copper conductor multi strand wires FRLS along with one run of 4mm copper earth wire run in suitable size 2 mm thick PVC CONDUIT run concealed on wall/ Ceiling etc as required. (for 7.5KVA three phase UPS)	25.00	mtr		
e	Supply, laying and dressing of the following size of 1.1 KV grade PVC insulated armoured cable with aluminium conductor concealed or clamped on wall/ceiling/trench/cable tray / clamps if necessary for 4 core 10 Sq.mm AYFY etc as required.(From Non essential DB to LDB1,LDB2)	60.00	mtr		
f	Supply, laying and dressing of the following size of 1.1 KV grade PVC insulated armoured cable with aluminium conductor concealed or clamped on wall/ceiling/trench/cable tray / clamps if necessary for 4 core 16 Sq.mm AYFY etc as required. (From Non essential DB to PDB)	60.00	mtr		

g	Supply, laying and dressing of the following size of 1.1 KV grade PVC insulated armoured cable with aluminium conductor concealed or clamped on wall/ceiling/trench/cable tray / clamps if necessary for 4 core 25 Sq.mm AYFY etc as required. (From Main panel to NON DG DB,from DG backup panel to master switch and to Non essential DB1)	150.00	mtr		
h	Supply, laying and dressing of the following size of 1.1 KV grade PVC insulated armoured cable with aluminium conductor concealed or clamped on wall/ceiling/trench/cable tray / clamps if necessary for 4 core 35 Sq.mm AYFY etc as required. (From Main panel to Generator DB)	35.00	mtr		
I	Supply, laying and dressing of the following size of 1.1 KV grade PVC insulated armoured cable with aluminium conductor concealed or clamped on wall/ceiling/trench/cable tray / clamps if necessary for 4 core 70 Sq.mm AYFY etc as required. (From meter to Main panel)	50.00	mtr		
J	Termination of the above cables 10 sqmm as required with suitable glands and lugs	4.00	nos		
k	Termination of the above cables 16 sqmm as required with suitable glands and lugs	6.00	no		
L	Termination of the above cables 25 sqmm as required with suitable glands and lugs	8.00	Nos.		
M	Termination of the above cables 35 sqmm as required with suitable glands and lugs	4.00	nos		
N	Termination of the above cables 70 sqmm as required with suitable glands and lugs	4.00	nos		
6	<u>FIXTURES/FANS</u>				
a	Supply & installation of Direct/Indirect recess mounted luminaire ,Philips fixture (OR) Equivalent models in other approved makes Catloug - RC 380B LED 31 S - 6500 PSE - WH (including fixing frame if any required)with all inter connections and fixing arrangement as required. For BM-1,CO-1Banking hall - .	47.00	Nos.		
b	Supply and Installation of 1X15W down lighter fixtures recess mounted type, Philips DN 192 B LED 12(9) s 6500 PSU - WH or equivalent with all interconnections and fixing arrangement as required(BM-1,counter -4,ante room-1)	22.00	Nos.		

c	Supply and Installation of 4ft LED tube fitting with LED lamp 20W with all interconnections and fixing arrangement as required	48.00	nos		
d	Supply and installation of lamp holder type with 6W LED lamp all interconnections in other approved makes with all inter connections and fixing arrangement as required.(Toilets)	6.00	Nos.		
e	Supply & installation of new Ceiling fan of CG make 48" with new Anchor faster hooks , bolts and adequate length of fan rods upto 1mtr	28.00	Nos.		
f	Supply and installation of 100w 4/5 step type electronic fan regulator in the modular switch boards as required	31.00	Nos.		
g	Supply and fixing of exhaust fan of 12" of Almonard / CG as required(Toilet -2,dining hall-1)	3.00	Nos.		
h	Supply and fixing of heavy duty exhaust fan of 12" of Almonard / CG as required(UPS-2)	2.00	Nos.		
I	Supply and laying of LED strip light with one driver unit per 5 meter (blue color) pasted over the Aluminim Channel fixed to the counter Crompton/Panasonic/Wipro make	30.00	mtr		
7	Providing Standard Copper Plate Earth Station with 600 X 600 X 3.15mm thick copper plate including construction of brick pedestal, providing meshed funnel, CI cover completely as per IS 3043-1987 or latest revision including suitable copper strip to be fixed in the DG neutral for distribution.	1.00	nos		
8	Providing Standard GI pipe Earth Station including construction of brick pedestal, providing meshed funnel, CI cover completely as per IS 3043-1987 or latest revision including suitable copper strip to be fixed in the UPS room for distribution.	3.00	nos		
9	Supply, laying and giving termination using bare 10 SWG Cu Wire in 20mm dia rigid pvc conduit for DB earthing from the existing earth pits .	250.00	mtr		
10	Supply, laying and giving termination using bare 4 SWG Cu Wire in 20mm dia rigid pvc conduit for UPS earthing from the new earth pits .	150.00	mtr		
11	Supply, laying and giving termination for 25mmx3mm CU flat earth bench	4.00	nos		

12	Supply and wiring with 1x6 sqmm CU wire through ISI mark PVC conduit from earth bench of UPS to dedicated earth of DG system and also from the surge protection Device to its dedicated earth pit.	70.00	mtr		
13	Supply and fixing of Legrand/protonics/L&T make timer for controlling the board light circuits and exhaust fan	2.00	nos		
14	Supply and fixing of 10A single pole + 30ma ELCB for earth leakage protection of sign board light circuit	1.00	nos		
15	Supply,Installation and commissioning of 7 nos of ceiling speakers (Ahuja,Philips) with matching transformer and wired with twisted pair cu cables 2Cx1 Sqmm wire through PVC pipe and terminating the connection in BM cabin complete with all accessories as required	1.00	LS		
16	Expenses for laisioning and computing the total connected load of the premises of the branch ,prepare the as fitted electrical layout and submission of work completion certificate to KSEB for obtaining the enhanced connected load . (All statutory payments towards KSEB which could be receipted for will be paid by the Bank)	1.00	LS		
17	Charges for the preparation of single line diagram of the whole electrical installation using auto cad ,laminating and displaying it in the UPS/Electrical room	1.00	LS		
18	Dismantling of existing light fixtures,old DB,Panel, fans of the old branch and handing over to Bank authorities	1.00	LS		
19	Supply of LT caution boards	3.00	nos		
20	Supply and laying of electrical grade rubber mat at UPS room	35.00	sqft		
21	Supply of Rubber Hand Gloves	1.00	nos		
22	Supply,Installation and commissioning of TV antenna socket(RG-6) modular type factory made MS box with suitable modular plate and base plate including all accessories and interconnections after testing	1.00	no		

23	Supply,laying of Copper Coaxial TV cable through PVC conduit of size 20mm and ISI markwith all accessories	20.00	mtr		
24	Preparation of Physical layout for earth pits and display the same inside the UPS room	1.00	Ls		
25	DG START/STOP STATION : Supply and installation of good quality 6A Selector Switch (L&T salzar) with suitable factory built metal box for mounting the switch. For DG Set ON/OFF Control.	1.00	set		
26	Supply and Installation of class 1+2 surge protection device of OBO Betterman make V25-B+C/3+NPE with manufacturers own enclosure as per schematic layout between incoming and dedicated earth	1.00	Nos.		
27	KSEB/DG Indication lamp wiring using 3 nos LED indication lamp with 3 nos 6A switch for indicating KSEB supply using 1.5sq.mm wire though pvc pipe	1.00	Nos.		
28	Supply & Laying of 3Cx1.5 Sq.mm CU Armoured cable	40.00	mtr		
29	Supply & Laying of 4Cx1.5 Sq.mm CU Armoured cable	40.00	mtr		
30	Termination of the cables 3cx1.5sqmm sqmm as required with suitable glands and lugs	2.00	Nos.		
31	Termination of the cables 4cx1.5sqmm sqmm as required with suitable glands and lugs	2.00	Nos.		
32	Provide Temporary UPS stations for computers and other equipments/gadgets, Lighting for smooth functioning of the branch during the progress of the work using removed wires and UPS sockets of existing tables/SWOs by complying all safety standards.	1.00	LS		
33	Total value of Electrical works exclusive of GST @18%				
34	GST @18%				
35	Grand Total Value for Electrical works				

Contractor's seal & signature