

**PROPOSED CONSTRUCTION OF BRANCH BUILDING AT SULUGODU VILLAGE, YEDUR, SHIVAMOGGA-577 448**

**CANARA BANK MANIPAL CIRCLE  
DESIGN POINT ARCHITECTS & ENGINEERS**

**FINANCIAL BID (SCHEDULE OF QUANTITIES)**

Visit to the Construction site by the prospective bidders is highly recommended before quoting the rates for various items of works here below. Bidders are requested to quote their most competitive items rates in this financial bid. Please refer to the tender drawings showing the site plan & various floor plans, sections, elevations and some items drawings. Please refer to these drawings before quoting your rates. The rates quoted shall be excluding GST. In the last page, in summary sheet, GST to be added. CANARA BANK reserves its right to either execute or take out from the scope of works, any or all the items fully or partially, depending on the administrative exigencies. Hence Bidders attention is drawn to quote your most workable rate for each & every item. The rates and amounts for each

Sl. No.	DESCRIPTION OF ITEM OF WORK	UNIT	QTY	RATE IN FIGURES (INR)	AMOUNT IN FIGURES (INR)
<b>PART- B ELECTRICAL WORKS</b>					
<b>WIRING IN PVC CONDUIT</b>					
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 2runs of 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. The cost is applicable for all the point wiring as per drawing from light/fan/exhaust poin to switch board. No extra claim will be entertained for any light points below 15meteres. Points above 15meteres to be claimed from other item.				
1.1	Group A	Point	50.00		
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 2runs of 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	Point	4.00		
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
3.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	470.00		
3.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	470.00		
3.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	150.00		

3.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	30.00		
3.5	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	Metre	18.00		
4	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
4.1	20 mm	Metre	50.00		
4.2	25 mm	Metre	50.00		
4.3	32 mm	Metre	30.00		
5	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required.				
5.1	100 mm X 100 mm X 60 mm deep	Each	4.00		
6	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	Each	16.00		
7	Supplying and fixing brass batten/ angle holder including connection etc. as required.	Each	16.00		
8	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	72.00		
9	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				
9.1	Upto 450 mm sweep	Each	2.00		
<b>SUBHEAD: WIRING IN PVC CONDUIT</b>					
<b>MCCB, MCB &amp; DB'S</b>					
10	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				

10.1	12 way , Double door	Each	2.00		
11	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
11.1	4 way (4 + 12), Double door	Each	1.00		
12	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
12.1	Single pole	Each	28.00		
13	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
13.1	40A	Each	2.00		
14	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
14.1	63A	Each	1.00		
15	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	5.00		
16	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
16.1	40A	Each	2.00		
17	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
17.1	63A	Each	1.00		
18	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	Each	2.00		

<b>SUBHEAD: MCCB, MCB &amp; DB'S</b>				
<b>LIGHTNING CONDUCTOR</b>				
19	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	3.00	
20	Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required.	Each	3.00	
21	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	Each	5.00	
22	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	Metre	70.00	
23	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	Metre	20.00	
24	Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	Metre	60.00	
25	Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	Metre	30.00	
<b>SUBHEAD: LIGHTNING CONDUCTOR</b>				
<b>MV CABLE LAYING</b>				
26	Supply & laying of 150mm dia 'B' class GI pipe for cable protection/ crossing with necessary collars.	Metre	4.00	
27	Supply and fixing of LT Kit with fuse box and LT Pothead for new cables near the existing RCC pole in the main road.	Lumpsu m	1.00	
28	Supply and laying of Solid Aluminum conductor stranded conductor, XLPE Insulated, cores laid up, PVC tape/Extruded Innersheathed, Armour, Aluminium strip, all galvanised steel strip extruded PVC Type ST2 sheathed, 1100V grade as per IS 7098(Part 1) 1988.			
28.1	3.5Cx 35Sqmm	Metre	77.00	

29	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
29.1	Upto 35 sq. mm	Metre	28.00		
30	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
30.1	Upto 35 sq. mm	Metre	37.00		
31	Supplying and making cable route marker with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size ) of size 60 cm X 60 cm at the bottom and 50 cm X 50 cm at the top with a thickness of 10cm including inscription duly engraved as required.	Each	2.00		
32	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	Each	2.00		
<b>SUBHEAD: MV CABLE LAYING</b>					
<b>MV CABLE JOINTING &amp; END TERMINATION</b>					
33	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
33.1	3½ X 35 sq. mm	Each	3.00		
34	Supplying and making outdoor end termination with cast resin compound including aluminium lugs and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
34.1	3½ X 35 sq. mm	Each	2.00		
<b>SUBHEAD: MV CABLE JOINTING &amp; END TERMINATION</b>					

EARTHING					
35	Supply fixing of earthing electrode for grounding using 40mm dia 2.90mm thick GI pipe for panels 3mtr long, GI funnel with 2Nos with 3mtr 40*6mm GI strips buried in a pit. The pit should be filled with equal proportion of salt , charcoal 150mm all round the pipe to complete depth. The connection from the pipe to panel shall be by GI strip with sleeves etc., The pipe should have 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12mm dia as per standard practices and specifications. The rate shall be inclusive of excavation, refilling, removing of surplus earth and construction of 300x300x3000mm chamber with hollow blocks and plastering on inner & outer sides with suitable NP2 protection Precast RCC cover and painting RCC cover with green color also identification of earth pit and resistance value should be done with white color, RCC cover removal should be easy for maintainence. Testing of earth electrode by earth tester as per directions of Engineer incharge.	Each	2.00		
36	Supply fixing of earthing electrode for grounding using 25mm dia 2.90mm thick GI pipe with 600x600x2mm thick Copper plate for UPS 3mtr long, GI funnel with 2Nos with 3mtr 40*6mm GI strips buried in a pit. The pit should be filled with equal proportion of salt , charcoal 150mm all round the pipe to complete depth. The connection from the pipe to panel shall be by GI strip with sleeves etc., The pipe should have 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12mm dia as per standard practices and specifications. The rate shall be inclusive of excavation, refilling, removing of surplus earth and construction of 450x450x450mm chamber with hollow blocks and plastering on inner & outer sides with suitable NP2 protection precast RCC cover and painting RCC cover with green color also identification of earth pit and resistance value should be done with white color, RCC cover removal should be easy for maintainence. Testing of earth electrode by earth tester as per directions of Engineer incharge.	Each	2.00		
37	Supply and laying of earth strips/wires with green color sleeves including welding & supply of necessary accessories for burying in earth at 450 mm depth/ clamping on walls.Rates include excavation & backfilling / supply & fixing of accessories.				
37.1	40 x 6mm GI Earth flat	Metre	40.00		
38	Supply, installation, testing and commissioning of Pipe in Pipe earthing as per IS 3043-1987 with 80mm dia-Outer pipe and 40mm dia-Inner pipe, pipe electrode (length 3M) made out of mild steel tubes and hot dip galvanized with 100 micron coating outside and 300micron coating inside filled with high conductive and corrosion resistant crystalline mixture. The earth pit shall be filled with 2Nos of 25kgs backfilled compound (having good enhancing material) as per standard practices and specifications.	Each	2.00		

		<b>SUBHEAD:EARTHING</b>			
	<b>SOCKETS and MISCELLANOUS</b>				
39	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
39.1	5/6 A Switch	Each	25.00		
40	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	10.00		
41	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
41.1	1 or 2 Module (75mmX75mm)	Each	7.00		
41.2	3 Module (100mmX75mm)	Each	7.00		
41.3	4 Module (125mmX75mm)	Each	4.00		
41.4	6 Module (200mmX75mm)	Each	7.00		
42	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.				
42.1	1 or 2 Module	Each	7.00		
42.2	3 Module	Each	7.00		
42.3	4 Module	Each	4.00		
42.4	6 Module	Each	7.00		
40	1No. 6A, 5 pin shuttered type socket located along with other switches (Dependent socket) inclusive of a 6A modular type switch and connecting wire.	Each	5.00		

41	6/16A, 5 Pin switched socket outlet with shutter mounted independently.	Each	5.00		
42	Supply and Installation of 5nos.in each set dully filled with fine sand fire buckets curved bottom with MS floor stand as per requirement of local authorities.The Fire buckets shall be painted red from outside and white from inside with suitable accessories complete as required(as per EB std).	Each	1.00		
43	2mm thick Rubber mats of 1.1kV grade 1800mmx900mm ISI approved.	Each	2.00		
44	Shock treatment chart with teak wood frame and glass covered as approved by Electrical Inspectorate and suitable for wall mounting.	Each	1.00		
45	300MM heavy duty exhaust fan with louvers and mounting accessories.	Each	2.00		
<b>SUBHEAD:SOCKETS and MISCELLANOUS</b>					



46	<b>PANEL</b>				
	Supply,erection, testing and commissioning of the following panels of free standing, compartmentalised, dust and vermin proof, fabricated from CRCA sheet steel metal not less than 2mm for all members including door, (duly treated by 7 tank process) also with continuous earth bars with 2nos.earth terminals necessary lifting hooks, all necessary gland plates & glands complete.,The switchboards & associated other equipments shall be as per the IEC 61439-1 & as per detail technical specification The panel shall be finished in Siemens light grey (Shade RAL-7032 of IS-5) with 2 coats of synthetic enamel paint (or approved colour as per site requirement) and as per the following specification, enclosed SLD and all complete as required.				
	<b>Incomer</b>				
	1No. of 80A Change over switch				
	1Nos of 80A 4P MCCB,25KA with TM Based MCCB with Speaders, RHOM with shunt coil, Aux contacts				
	6Nos of Indicating lamps RYB/On/Off/Trip				
	Provision for 1No. of 80A Auto transfer switch				
	Provision for 2Nos of Indicating lamps On/Off				
	<b>EB Meterings</b>				
	1Nos of 96Sqmm Digital MDM meter ,CTR 100/5A,3Ph,				
	1Nos of 96Sqmm Digital VAF meter ,CTR 100/5A,3Ph,				
	1Nos of ELR with CBCT				
	1Nos of 6A 4P MCB.10KA				
	3Nos of current Transformers, 10VA,100/ 5A, Class-1,				
	1No of LT metering approved by MESCOM				
	<b>Outgoings</b>				
	7Nos of 63/40A 4P MCB.10KA				
	<b>Fabrication</b>				
	As Required				
	80A Cu, Bus bar with supports				
	Wiring & Accessories				
	Supply and Installation	Each	1.00		
	<b>SUBHEAD:PANEL</b>				
47	<b>Documentation charges for Additional power sanction-10 kw</b>				
	Professional charges for additional power sanction from MESCOM for existing line of about 10 KW. The DD charges for the additional 10 KW load will be paid by client as per the requested from your side. The scope of work includes documentation, getting power sanction, any other charges involved also should be taken care.	LUM	1.00		

	<b>SUBHEAD:Documentation charges for Additional power sanction- 10 Kw</b>	
<b>TOTAL AMOUNT FOR ALL SUB HEADS(INR)</b>		
<b>GST 18%</b>		
<b>GRAND TOTAL AMOUNT (in RS)</b>		
<b>Amount in words</b>		
<b>PLACE :</b>		<b>CONTRACTOR</b>
<b>DATE :</b>		<b>SEAL AND SIGNATURE</b>