



TENDER DOCUMENT

Price Bid

PROPOSED ELECTRICAL WORK

Saptagiri Grameena Bank

AT

HEAD OFFICE, VISHAL MART BUILDING, 3RD FLOOR,
VELLORE ROAD, CHITTOOR-517 001

DATE OF ISSUE: - 11.11.2021

TENDER SUBMISSION ON: - **02.12.2021 AT 3.00 P.M.**

TENDER OPENING: 02.12.2021 AT 3.30 P.M

COMPLETION PERIOD – 60 Days



SAPTAGIRI GRAMEENA Bank

Head office, Chittoor

HEAD OFFICE, P.B.17, NAIDU BUILDINGS CHITTOOR-517 001, Ph: 08572-233598

Architects

KANAMADI AND ASSOCIATES

#58, First Floor, 11th Cross, Malleswaram, Bangalore -560 003

Ph: 080 23347210, Email: kanamadiassociates@gmail.com

ABSTRACT OF COST

**SUBJECT: ELECTRICAL WORK
SAPTAGIRI GRAMEENA BANK, HEAD OFFICE, CHITTOOR**

Details of tender amount quoted by the contractor:

Sr.No	Particulars of works	Amount
1	ELECTRICAL WORKS	Rs.
2	GST-18%	RS.
3	GRAND TOTAL (1+2) =	RS.

(Total Quoted Amount in Words)=_____

Rate inclusive of all Material charges, Transportation, Local levies as applicable, Loading, Unloading, Lifting- Shifting, Erection, Testing , Commissioning, Scaffolding, etc. as applicable.

Signature of Contractor with Seal



CONTENTS

INDEX	PAGE NO
INSTRUCTION	4 & 5
SUMMARY	
BILL OF QUANTITIES	6 to 11
LIST OF APPROVED MATERIALS OF ELECTRICAL	12
DRAWINGS	13 &14

INSTRUCTIONS



1. The Bill of Quantities shall be read in conjunction with the Drawings, Conditions of Contract and Specifications, as these documents are jointly explanatory and descriptive of the works included in the Contract.
2. General directions and descriptions of work and materials given elsewhere in the Contract documents are not necessarily repeated in the Bill of Quantities. Reference is to be made to the other documents for information.
3. The Contractor shall be deemed to have visited the site before preparing his Tender and to have examined for himself the conditions under which the work will be priced and all other factors affecting the execution of the work and the cost thereof.
4. The Quantities of work and material in the Bill of Quantities are not to be considered as limiting or extending the scope of work to be done and materials to be supplied by the Contractor. The quantities in the Bill of Quantities are an estimate of the amount work but the work will be measured on completion and the contractor will be paid on the actual measurement of work approved by the Architect.
5. Any special methods of measurements used are stated at the head of or in text of the Bills of Quantities for the items affected. All other items are measured net in accordance with the drawings and no allowance has been made for wastage. Unless otherwise specified measurements shall be as per relevant Indian Standard.
6. A price or rate in figures is to be entered against the item in the Bill of Quantities, whether quantities are stated or not. Item against which no price is entered will be considered as covered by other prices or rates in the Bills.
7. The prices and rates interested are to be the full inclusive value of the works described under the various items, including all costs and expenses which may be required for the completion of the work described, together with all cost and obligations set forth or implied in the conditions of Contract, Specifications and the Drawings.
8. Some finishing items may be quantity wise completely altered (either added or omitted) and the same shall not affect any rates quotes.
9. Where prices have been entered against Lump sum items, payment for such affected items shall be made in proportion to the extent to which works have been done at the time of billing and the same is at discretion of the Architect.
10. "Providing and Fixing" shall mean that the Contractor has to provide such materials not being procured and borne by the Bank, but which are required for the item and if no materials need be provided by the Contractor, the rate shall be only for fixing of the component covered in the item.



11. Bidders of the tender should be in the panel of Indian Bank with a networth not less than Rs.5.0 crore.
12. The Bidder should have undertaken such contract works continuously for the past 7 years.
13. The bidder should strictly follow the specifications and quality standards as noted in the online terms.
14. The bidder should complete the entire work within the time frame as given by the bank.
15. The bidder has to follow and co-ordinate with M/s Kanamadi & Associates, Architects & Engineers, Bangalore who were enrolled in the panel of Indian Bank, or to follow and co-ordinate with any other agency/ Architect approved by the bank from time to time during the course of contract work.
16. The contractor should reduce the cost of the unit of work to the extent of unit of work/item of interior/electrical/AC proposed to remove or delete during the course of execution/ erection/ fixation of the above said unit of work/item/fixtures.

Signature of Contractor with Seal

Consultants

Kanamadi and Associates
Architects & Engineers
Malleshwaram, Bangalore -03

PROPOSED ELECTRICAL WORK OF SAPTAGIRI GRAMEENA BANK, HEAD OFFICE AT CHITTOOR

Abstract Electrical Estimate

SI No	Description	unit	Qty	Rate	Amount
I	LIGHTING - Make: Anchor Roma, Crab Tree, Legrand				
	Supplying and wiring light point using 2run of 1.5 sq mm wire in a pvc conduct pipe/ casing caping modular type 6A switch				
1	a) One light controled by single switch	Point	150.00		
2	b) Two lights controled single switch	Point	100.00		
3	C) Exast fan point controled single switch.	Point	8.00		
4	d) Ceiling fan point controled single switch with regulator	Point	6.00		
5	e) Wall Mounted fan point controled single switch	Point	40.00		
6	Supplying and fixing 5A socket depedent switch point	Nos	30.00		
7	Supplying and fixing 5A socket indepedent switch point	Nos	60.00		
8	Supplying and fixing 5A socket 3 nos and 6/10A SP switch for UPS point for Modular type	Nos	100.00		
9	Supplying and fixing 15A socket combined socket point	Nos	20.00		
10	Supplying and fixing 20 A Socket and 32 A DP Switch for Split AC	Nos	12.00		
11	Supplying and fixing 40A 4 Pole MCB For Casset AC	Nos	15.00		
12	Supplying and fixing 4 Pole MCB For DUCT AC	Nos	2.00		
13	Supplying and fixing 63 A 4 POLE Isolator for Master Control Switch For Lighting & Fans	Nos	3.00		
II	CIRCUIT WIRING - Make: Finolex, Havels, Polycab				



14	Supplying and wiring using 2R 2.5 sqmm + 1R 1.5 sq mm in a pvc pipe/ casing caping.				
a)	UPS	Mtrs	800.00		
b)	Lighting	Mtrs	450.00		
c)	Raw Power	Mtrs	450.00		
15	Suplying and wiring using 4R 6.0 sqmm + 1R 2.5 sqmm in pvc pipe/ casing caping				
a)	Lighting Main	Mtrs	40.00		
16	Suplying and wiring using 2R 4.0 sqmm + 1R 1.5 sqmm in pvc pipe/ casing caping for				
a)	Single Phase AC	Mtrs	350.00		
17	Suplying and wiring using 4R 4.0 sqmm + 1R 1.5 sqmm in pvc pipe/ casing caping for				
a)	Three Phase AC – Branch	Mtrs	600.00		
18	Supplying and wiring using 4R 6.0 sqmm wire for Duct AC	Mtrs	120.00		
III	DISTRIBUTION BOARD				
19	Supplying and fixing UPS DB consisting 63 A/ 40A MCB 1 no and 12 no 10/6A SPMCB	Nos	8.00		
20	Supply and fixing 63 A DPMCB ups Input & out put	Nos	4.00		
21	Supply and fixing 63 A 4 P MCB	Nos	4.00		
22	Supply and fixing 6 way TPNDDB with 63 A MCB 1 Nos 10/16 A SPMCB 18 Nos – Lighting	Nos	2.00		
23	Supply and fixing 8 way / 12 wat VTPNDDB with 100 A MCCB Incoming and 63/ 10 A 3 P MCB for AC's and Lighting	Nos	2.00		
IV	L. T MAIN PANEL				



	Supply, Erection, Testing and Commissioning of L T PANEL BOARD weather and water proof, conforming to the specification fabricated out of 2mm thick CRCA sheet/insulating material with cable gland plate & conduit knockouts at the top, bottom and sides and provided with hinged lockable glazed door. The DBs shall have insulated fork type phase bus bars, insulated earth bus. Independent neutral bus bar for each phase and interconnecting wiring for 430/ 220V, 25/10kA breaking capacity current limiting type MCBs / ELMCBs with 'C' curve characteristics for A.C , lighting ,Raw power distribution and 'D' curve characteristics for all UPS power distribution. The circuit breaker shall be din rail mounting type. The terminal shall be finger touch proof and conforming to IP-42 protections.				
	Incomer				
	200A 4 pole Microprocessed 25KA MCCB with short circuit and earth fault trip arrangement complete 1 set				
	200A 4 pole Changeover switch 1 nos				
	RYB Indicating lamps				
	VOLT METER & Ameter with Selector Switch indicating Lamps Etc.,				
	250A aluminium bus bars				
	Outgoings				
	100A 4pole MCCB for AC control 4no AC DB				
	63A 4pole MCCB for lighting control 6No				
	63A 4pole C curve MCB 4 no for Raw power				
	40A 4 pole C curve MCB 4 nos Spare				
	25/32A 4 pole C curve MCB 4 Nos spare				
24	Supply installation	Set	1		
25	Supply & Laying 3.5 x 120 Sq mm Aluminium Armed UG Cable polycab / Havels	Mtrs	120		
V	FIXTURES				



26	Supplying and fixing 2' x 2' LED Fitting with a warm white light manufactured as per IS Standard including warranty period of not less than 2 years and burning hrs of Min 50,000 hrs. Make: Wipro, Philips or equalent fitting to be got approved before procurement.	Nos	75.00		
27	Supplying & fixing 12w LED Down Lights Make: Wipro, Philips or equalent fitting to be got approved before procurement.	Nos	70.00		
28	Supplying & fixing 15w LED Down Lights Make: Wipro, Philips or equalent fitting to be got approved before procurement.	Nos	50.00		
29	Supplying and fixing 1x28 W (4' Length) fitting box type LED tube light Make: Wipro, Philips or equalent fitting to be got approved before procurement.	Nos	25.00		
30	Supplying and fixing 1x18 W (2' Length) fitting box type LED tube light Make: Wipro, Philips or equalent fitting to be got approved before procurement.	Nos	15.00		
31	Supplying and fixing 1x12 W bracket LED light	Nos	8.00		
32	Supplying and fixing Strip Light of LED with approved colour and connector	Mtrs	200.00		
33	Supplying and fixing 1400mm swipe ceiling fan including necessary hock, wiring etc. Make: Crompton/Bajaj/ Usha approved make only with regulator.	Nos	6.00		
34	supplying and fixing wall mounted fan Make: Crompton/Bajaj/ Usha approved make only	Nos	40.00		
35	Supplying and mixing 12" exast fan Make: Crompton/Bajaj/ Usha approved make only	Nos	8.00		
VI	TELEPHONE WIRING				
36	Supplying and wiring using 2 pair telephone point wiring in a PVC pipe/ casing and capping	Mtrs	1200.00		
i)	20 pair	Mtrs	150.00		
37	Supplying and fixing RJ-11 telephone socket in a PVC box with modular type of plate	Nos	50.00		
38	100 Pair Crone Box	Nos	1.00		
VII	EARTHING				



39	Supply and fixing of GI pipe earth electrode for meter board / equipment using 40 MM dia 2.9 mm thick 2.5 Mtr long GI pipe buried in pit. The pit shall be filled with equal proportion of salt and charcoal 150 mm all round the pipe to complete depth. The connection from the pipe to the conduit etc., to be established through GI wire of size as per IS 3043 using 12 mm dia bolts nuts washers and check nuts	Nos	2.00		
40	Supply and running of 8sq.mm copper wire for grounding using with necessary suitable size clamps bolt, and washers including inter connectors.	mtrs	120.00		
41	SITC Maintenance Free chemical pits using Artificial (chemical) earth enhancing compound of 50 kg kits (GEEGEL).chem. rod 50mmx 2mtr. inspection chamber made of C I cover etc. .	Nos	2.00		
42	Supply & Fixing 25x3 GI Strip earth pit to panel board	Mtrs	120.00		
43	Supply & Fixing 25x6 Coper strip - 1Mtr Length - For Earth Busbar	Nos	1.00		
VIII	DATA CABELLING				
44	Supply and laying CAT 6 d -link cabel computer net work cable in PVC conduit pipe /trench/cable duct etc	Mtrs	2100.00		
45	Supply & fixing RJ 45 Conector (Telephone and Data)	Nos	140.00		
46	Supply and fixing information out let CAT 6 Cabel	Nos	70.00		
47	Supply and fixing 19U rack , 3nos-24 port patch panel and 3 nos-power strip connector etc.	set	1.00		
48	Supplying and fixing 24 port D-Link Network Switch	Nos	3.00		
49	supply and fixing 1mtr patch card	Nos	150.00		
50	supply and fixing 2 mtr patch card	Nos	80.00		
IX	MUSIC SYSTEMS				
51	Supplying and wiring speaker wire twin core in a PVC pipe	Mtrs	1500.00		
52	Supplying and fixing 6w ahuja/philips make	Mtrs	25.00		
53	AMPLIFIER -ahuja/philips make	Nos	2.00		



X	Misceleneous Works				
54	Supplying, laying, connecting & commissioning 3Runs of 1.5Sqmm PVC insulated multi standed Copper conductor wires in PVC conduits concealed in wall / ceiling with necessary clamps, scrws etc for Sensor	Mtrs	150.00		
55	Supply and Fixing of Lighting Sensor	Nos	15.00		
54	Supply and Fixing of AC Conductor	Nos	6.00		
55	Providing and fixing Cordless mike	Nos	2.00		
56	Providing and fixing collar mike	Nos	10.00		
57	Supplying and Fixing in position DIGITAL LED PROJECTOR including screen and cabeling works etc complete. Make: Sumsung/ LG/Sony	Nos	2.00		
58	43" L G Professional Display Model : LG	Nos	1.00		
59	65" L G Professional Display Model : LG	Nos	1.00		
59	Supply & laying of 300X200x50 mm size ALUMINIUM race ways including junction box With Necessary Openings as required	Rmt	30.00		
TOTAL ELECTRICAL COST EXCLUDING GST					

Signature of Contractor with Seal

LIST OF APPROVED MATERIALS OF ELECTRICAL

S.No.	Description	Approved Makes
1	PVC Conduits (FRLS)	Universal / VIP
2	M.S.Conduits (FRLS)	Bharat/Supreme
3	Ceiling Junction Box	Amar/Home lite
4	Ceiling Fan Box	Guptha/Equivalent
5	PVC Insulated Copper wires (FRLS)	Havells/Anchor/Finolex/Polycab
6	LT,HT Cable	HAvells/Polycab
7	Door Bell	Anchor Roma /Lisha
8	Modular Switches and sockets	ANCHOR / Legrand
9	Ceiling fan, pedestal fan, wall mounting fan, exhaust fan	Corompton/Havells
10	Light Fixtures	Havells / Philips
11	Miniature circuit Breaker	Legrand or equivalent approved
12	Earth leakage circuit breaker	Legrand or equivalent approved
13	Distribution boards	Legrand or equivalent approved
14	Moulded case circuit breaker	A.B.B/Schnider/L&T/Legrand
15	Switch fuse units, fuse switch units with HSR fuse	A.B.B./equivalent approved
16	Change over switches & Change over fuse switches	A.B.B/ equivalent approved
17	ELR with CBCT	Prokdevices
18	Indicating Instruments	AE/ MECO/IMP
19	KWH meter	BHEL/ HP/Havells
20	Indicating lamps	L & T /Vaishnav /BCH
21	Selectro Switches	Kaycee/L & T / E.E
22	End termination	Dowells /Usha
23	Telephone cable	Havells / Finolex
24	TV cable	Finolex / Triscope / comscope
25	Terminals	Elmex /Equivalent.
26	Cable tray & Wire ways	Hi- Tech Fastners / Power pack/Shubam
27	ACCI	Electro Combine/ Prokdevices



NO. SYMBOL	DESCRIPTION
1	CEILING FAN ROOM
2	4' TUBE LIGHT
3	4' SQUARE LIGHT
4	12 WATT DOWNLIGHT
5	15 WATT DOWNLIGHT
6	MIRROR LIGHT
7	FALL MOUNTED LIGHT
8	FALL MOUNTED FAN

LEGENDS	
	ARMSTRONG
	GYP-SUM
	WOODEN BOX

THIS DRAWING AND THE DESIGNS ON WHICH IT IS BASED ARE THE COPYRIGHT AND SOLE PROPERTY OF **KANAMADI AND ASSOCIATES** AND THEIR USE IS CONDITIONED UPON THE USER'S AGREEMENT NOT TO REPRODUCE OR TO USE FOR ANY OTHER PURPOSE WITHOUT THE SPECIFIC WRITTEN WHOLLY OR IN PART ANY DETAIL, THERE IN PERMISSION OF **KANAMADI AND ASSOCIATES**

ELECTRICAL - LIGHTING LAYOUT FOR SAPTAGIRI GRAMEENA BANK
FALSE CEILING LAYOUT FOR SAPTAGIRI GRAMEENA BANK, HEAD OFFICE, CHITTOOR

Drawn By: Siddharth Chinnai Checked By: SSK
SCALE: NTS DATE: 15-09-2021
DRAWING NO.

KANAMADI AND ASSOCIATES
ARCHITECTS & ENGINEERS
#58, FIRST FLOOR, 11th CROSS, VYALKAVALLI
MALESWARAM, BANGALORE 560 003
PH: 080-2341 2210 E-MAIL: karamadi_architects@rediffmail.com



LEGENDS	
	ARMSTRONG
	GYPSUM
	WOODEN BOX

ELECTRICAL LEGEND	
NO. SYMBOL	DESCRIPTION
1	CEILING FAN SWMT
2	4 TUBE LIGHT
3	2 X 2 CEILING LIGHT
4	12 WATT DOWNLIGHT
5	15 WATT DOWNLIGHT
6	15 WATT DOWNLIGHT
7	TRAIL HOISTED LIGHT
8	TRAIL HOISTED FAN

THIS DRAWING AND THE DESIGNS ON WHICH IT IS BASED ARE THE COPYRIGHT AND SOLE PROPERTY OF **KAMAMADI AND ASSOCIATES** AND THEIR USE IS CONDITIONED UPON THE USER'S AGREEMENT NOT TO REPRODUCE OR TO USE FOR ANY OTHER PURPOSE WITHOUT THE SPECIFIC WRITTEN WHOLLY OR IN PART ANY DETAIL THERE IN PERMISSION OF **KAMAMADI AND ASSOCIATES**

ELECTRICAL - WIRING LAYOUT FOR SAPTAGIRI GRAMEENA BANK
FALSE CEILING LAYOUT FOR SAPTAGIRI GRAMEENA BANK, HEAD OFFICE, CHITTOOR

KAMAMADI AND ASSOCIATES
ARCHITECTS & ENGINEERS
#58, FIRST FLOOR, 11th CROSS, VYALKAWAL
MALLESWARAM, BANGALORE 560 003
Ph: 080-2334 7210, Email: kamamadi.associates@rediffmail.com



Drawn By: SUPRASHREER
CHECKED: MRS
DATE: 15-09-2021
DRAWING No: