



Saptagiri Grameena Bank
(Public Sector RRB : Sponsored by Indian Bank)

సప్తగిరి గ్రామీణ బ్యాంక్
(ప్రభుత్వ రంగ సంస్థ : ఇండియన్ బ్యాంక్ ద్వారా ప్రాధాన్యత)

सप्तगिरि ग्रामीण बैंक
(सार्वजनिक क्षेत्र आरक्षणित : इंडियन बैंक द्वारा प्राधोषित)

TENDER DOCUMENT

Price Bid [Electrical]

PROPOSED CONSTRUCTION OF ADMINISTRATIVE OFFICE FOR

Saptagiri Grameena Bank

AT

SURVEY No. 261/3, VELLORE ROAD, CHITTOOR-517002

DATE OF ISSUE: - 30.07.2022

TENDER SUBMISSION ON: - 29.08.2022 AT 3.00 P.M.

TENDER OPENING: 29.08.2022 AT 3.30 P.M

COMPLETION PERIOD – ALONG WITH CIVIL WORKS



SAPTAGIRI GRAMEENA BANK
Head office, Chitoor

Sai Yashus, 3rd FLOOR, VELLORE ROAD, CHITTOOR-517 002, Ph: 08572233598

Architects

KANAMADI AND ASSOCIATES

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INSTRUCTIONS

1. The Bill of Quantities shall be read in conjunction with the Drawings, Conditioners 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 complete 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 of 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.



LIST OF APPROVED MAKES - ELECTRICAL WORKS		
Sl.No.	ITEM DESCRIPTION	MAKE
1	MCCB	L&T / ABB / Schneider
2	Relays	L&T / ABB / Schneider
3	Power contactors	L&T / ABB / Schneider
4	Instrument transformers	Kappa / Kalpa
5	LT panel fabrication	Rampo Controls / MV Switchgear / Sharan Controls/ Radiant switchgear
6	Meters	Schnieder / LnT / Elmeasure
7	Panel accessories / terminal block	As per manufacturer specified make
8	MCB / MCB DB	Legrand / ABB / Hager / Indoasian/Schneider
9	ELCB / ELMCB / RCBO	Legrand / ABB / Hager / Indoasian/Schneider
10	HT/ LT Cable	Polycab/ KEI / Havells
11	End Termination Materials	Dowels / SMI / Wago
12	GI Powder coated Cable Tray	Pushpak / Ellins / Profab / OBO
13	PVC Conduits – FRLS	VIP/UNIVERSAL / Polycab / Precision / Anchor
14	PVC Wires & Flexible Cables - FRLS	Polycab/ KEI / Havells / Finolex
15	Modular switches & sockets	Anchor / Legrand / Crabtree / ABB / Schneider
16	LED light fixtures	Philips / Wipro / Havells / Lighting Technologies / Bajaj / K-lite
17	Glands -Double Compression	Dowells/ Comet / HMI
18	Aluminium / Copper Lugs	Dowells/Comet or equivalent
19	Telephone and Network cables	Polycab / Havells / Legrand / D-Link
20	Lightning Arrestors	ABB / Indelec / Cape Electric / DEHN / OBO
21	Capacitor banks with series reactors with harmonic filters	Epcos / Schneider / L&T
22	Change Over Switch	HPL / Socomec / C&S
23	HT/LT Cable Joint Kit	Raychem / 3M



ABSTRACT OF COST

SUBJECT: PROPOSED ELECTRICAL WORK FOR HEAD OFFICE, REGIONAL OFFICE & BRANCH FOR SAPTAGIRI GRAMEENA BANK @ SUVERY No. 261/3, VELLORE ROAD, CHITTOOR-517

Details of tender amount quoted by the contractor:

SL. 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



CONSULTANTS
KANAMADI AND ASSOCIATES
ARCHITECTS AND ENGINEERS
MALLESHWARAM, BANGALORE - 560 003

**Proposed Electrical Work of Basement, Ground First & Second Floor for
Saptagiri Grameena Bank at
Survey No.261/3, Vellore Road, Chittoor - 517002**

BILL OF QUANTITIES ELECTRICAL

SL. No.	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
A	<u>INTERNAL ELECTRICAL</u>				
1	Supplying heavy gauge conduit pipe 19/20 mm dia.2 mm thick confirming to IS 2509 with suitable sizes bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling & RCC wall / stone structure or rawl plugs in case of brick walls & cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws complete as directed by architect in charge of the work.	Rmt	1200.00		
2	Supplying heavy gauge conduit pipe 25 mm dia.2 mm thick confirming to IS 2509 with suitable sizes bends, junctionboxes, adhesive plaste etc.,, and fixing using inverted wood plugs in case of RCC ceiling & RCC wall / stone structure or rawl plugs in case of brick walls & cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws complete as directed by architect in charge of the work.	Rmt	1500.00		
3	Supplying and fixing PVC / metal conduit Deep junction box 19/20 mm deep junction box complete as directed by architect in charge of the work.	Nos.	350.00		
4	Supplying and fixing PVC / metal conduit Deep junction box 25 mm deep junction box complete as directed by architect in charge of the work.	Nos.	600.00		
5	Supplying and fixing metal fan box with round hook complete as directed by architect in charge of the work.	Nos.	400.00		



6	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP-A complete as directed by architect in charge of the work.				
a	1 Sq.mm complete as directed by architect in charge of the work.	Rmt.	650.00		
b	1.5 Sq.mm complete as directed by architect in charge of the work.	Rmt.	3200.00		
c-i	2.5 Sq.mm for lighting circuit complete as directed by architect in charge of the work.	Rmt.	2800.00		
c-ii	2.5 Sq.mm for Earthing Green colour complete as directed by architect in charge of the work.	Rmt.	600.00		
d	4 Sq.mm complete as directed by architect in charge of the work.	Rmt.	4000.00		
e	6 Sq.mm complete as directed by architect in charge of the work.	Rmt.	600.00		
f)	10 Sq.mm complete as directed by architect in charge of the work.	Rmt.	600.00		
7	Supplying and wiring adopting loop system in existing PVC conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X 1.5 Sq.mm cable confirming to the GTP without switch, the otherend of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet GROUP-A complete as directed by architect in charge of the work.				
a	Short point upto 3 mtr. from tapping point to outlet via switch box complete as directed by architect in charge of the work.	Point	120		
b	Medium point above 3 mtr. Upto 6 mtr. from tapping point to outlet via switch box complete as directed by architect in charge of the work.	Point	225		
c	Long point above 6 mtr. Upto 10 mtr. from tapping point to outlet via switch box complete as directed by architect in charge of the work.	Point	400		
d	Two out-let in a row above 3 mtr. Upto 6 mtr. from tapping point to outlet via switch box complete as directed by architect in charge of the work.	Point	15		



8	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in brick/stone/C.C. wall complete as directed by architect in charge of the work.				
a	1-3 Way complete as directed by architect in charge of the work.	Nos.	60		
b	4-5 Way complete as directed by architect in charge of the work.	Nos.	80		
c	6 Way complete as directed by architect in charge of the work.	Nos.	120		
d	8 Way complete as directed by architect in charge of the work.	Nos.	100		
e	10-12 Way complete as directed by architect in charge of the work.	Nos.	85		
f)	16 Way complete as directed by architect in charge of the work.	Nos.	20		
9	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts butts etc., complete on the existing metal/PVC box. complete as directed by architect in charge of the work.				
a	1 to 3 Module complete as directed by architect in charge of the work.	Nos.	60		
b	4 Module complete as directed by architect in charge of the work.	Nos.	80		
c	6 Module complete as directed by architect in charge of the work.	Nos.	120		
d	8 Module complete as directed by architect in charge of the work.	Nos.	100		
e)	10-12 Module complete as directed by architect in charge of the work.	Nos.	85		
f)	16 Module complete as directed by architect in charge of the work.	Nos.	20		
10	Supplying and fixing of modular switch / socket / stepped electronic fan regulator / dimmer / telephone socket on existing modular switch plate as per IS 3854 and IS 1293 complete as directed by architect in charge of the work.				



a	6 Amps One Way Switch complete as directed by architect in charge of the work.	Nos.	800		
b	6 Amps 2 Way Switch complete as directed by architect in charge of the work.	Nos.	24		
c	6 Amps 3 Way Scket complete as directed by architect in charge of the work.	Nos.	500		
d	Stepped Fan Regulator complete as directed by architect in charge of the work.	Nos.	400		
e	16 Amps One Way Switch complete as directed by architect in charge of the work.	Nos.	200		
f)	6/16 Amps Universal Socket complete as directed by architect in charge of the work.	Nos.	50		
11	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type Curve, indicator of 10K and complete wiring as required confirming to IEC 60898 complete as directed by architect in charge of the work.				
a	5 - 32 Amps SP complete as directed by architect in charge of the work.	Nos.	400		
b	40 - 63 Amps DP complete as directed by architect in charge of the work.	Nos.	12		
c	40 - 63 TPN complete as directed by architect in charge of the work.	Nos.	8		
12	Supplying and fixing MCB distribution boards on wall/wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure. 4 Way TP & N complete as directed by architect in charge of the work.	Nos.	8		
	FIXTURES				
13	Supplying of 4' led PVC Square batten. W with high quality diffuser with life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power in-put: 220-240 V @ 50 Hz & power factor >0.9 along with CE approved drivers. 5 years warranty against any manufacturing defect working under standard electrical condition complete as directed by architect in charge of the work.				
a	LED light fighting 4' - 28 watts complete as directed by architect in charge of the work.	Nos.	550		



14	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 48" sweep (1200 mm) Economy model complete as directed by architect in charge of the work.	Nos.	400		
15	Supplying fixing 9" Exhaust Fan Make: Crompton/ Bajaj/ Equalient.	Nos.	30		
16	Supplying fixing 12w LED Bulb in Toilet Area	Nos.	60		
17	Supplying fixing 2' Length LED Tube Light	Nos.	20		
18	Supplying fixing 1' Length LED Mirror Light	Nos.	20		

TOTAL COST OF ELECTRICAL -A

B	<u>EXTERNAL ELECTRICAL</u>				
19	Supply, Installation, Testing and Commissioning of Double Pole RCC Structure with 9.0meters length RS Joists welded back to back, including supply and fixing of 1set of 11KV 200A AB Switch, with 3Nos HG fuses, 3nos 9KV 10KA Lightning arrestors and all necessary accessories. Job includes Supply and installation of jumper conductors, other accessories as required and 2 Nos. of Stay sets for the Structure with excavation, RCC filling, coupling, backfill, painting etc.				
	Supply	Set	1		
	Installation	Set	1		
20	Supply of Metering cubicle as per the APSEB Transco standards (This item shall be supplied only if APSEB TRANSCO does not supply)	Set	1		
21	Installation of CTPT & Metering cubicle on the plinth. CTPT & Metering cubicle will be supplied by APSEBTRANSCO. Transportation from Dept stores to site shall be included in the rate	Set	1		
22	Supply, Installation, Testing and Commissioning of 11KV LBS/ HT Panel with 630A with HRC Fuses (Outdoor type panel with double doors).				
	Supply	Nos	1		
	Installation	Nos	1		



23	Supply, Installation, Testing & Commissioning of 11KV/433V, ONAN type, 50HZ Dyn11, OFF CIRCUIT TAP CHANGE type Copper wound Distribution Transformer as follows: Confirming to IS:1180, Part-1, Level-2 norms.				
a	200KVA				
	Supply	Nos	1		
	Installation	Nos	1		
24	Supply, installation, testing & Commissioning of 400A, 50KA, 4Pole MCCB with Microprocessor based releases and Metering (Voltmeter, Ammeter and Indication Lamps) in Outdoor type enclosure made out of 2mm thick CRCA sheet including all accessories. The enclosure shall have provision for busduct entry for incoming & cables for outgoing. The Panel shall be Outdoor kiosk type.				
	Supply	No	1		
	Installation	No	1		
25	HT CABLES				
	Supply and Laying of 11KV(E) grade XLPE insulated armoured aluminum conductor under ground cable conforming to IS 7098/ part II with latest amendments, laid in Ground or on pole. When laid in ground the same shall be at 1000mm below Ground level including Excavation, refilling of Earth, providing Protection with sand and bricks at sides and RCC slab on top and cable route markers at every 15mtr intervals or at the turnings.				
a	3C X 95 sq.mm				
	Supply	Mtr	115.00		
	Laying in Ground	Mtr	70.00		
	Laying in Air/ Trench	Mtr	45.00		
8	Providing Indoor/ Out-door End terminations for the cable sizes specified under/above with Heat shrinkable type (similar to Raychem make) Jointing kit including all materials.				
a	Indoor type	Nos	5		
b	Outdoor type	Nos	1		



26	Design, Fabrication, Testing and Commissioning of floor mounted Panel with as per given specification and following switchgears. The panel will be manufactured/ Fabricated in accordance with IS specifications using good quality 14/16SWG CRCA sheets, dust and vermine proof Aluminium busbar of suitable size rated to the I/C switch gear heat shrinkable colour code sleeves and busbar supports and assembly.				
a	MAIN PANEL - INCOMER	Nos	1.00		
	a) 400A, FP, 50KA MCCB - 1No				
	b) Phase Indicating lamps LED type with fuse control - 1Set				
	c) On, off, trip, indication lamps - 2Set				
	d) 0 to 400A Ammeter with selector switch with 3nos of 400A/5A, CL-1, 10VA CT's with tape wound & 400A/5A, CL-1, 10VA CT's with tape wound for APFCR - 1job				
	e) 0 to 500V voltage meter with selector switch - 1job				
	OUT GOINGS				
	a) 400A 4P, 50KA ACOS - 1No				
	b) 250A, TPN, MCCB - 2 No's				
	c) 200A, TPN, MCCB - 2 No				
	c) 160A, TPN, MCCB - 2No				
	d) 100A, TPN, MCCB - 6 No's				
	e) 63A, TPN, MCB - 6 No's				
	f) 40A, TPN, MCB - 4 No's				
	g) 32A, DP, MCB - 4 No's				
	h) 25A, DP, MCB - 6 No's				
	i) 63A, FP, MCCB with TVSS - 4 No				
	j) 63A, TP, MCB with 15KVAR FIXED CAPACITOR BANK - 1 No				
	(NOTE: Refer SLD)				
b	APFCR PANEL 100 KVAR - INCOMER	Nos	1		
	a) 200A, TPN, 25KA MCCB - 1No				
	b) Phase Indicating lamps LED type with fuse control - 1Set				
	c) On, off, trip, indication lamps - 2Set				
	d) 0 to 200A Ampere meter with selector switch with 3nos of 200A/5A, CL-1, 10VA CT's with tape wound - 1job				
	e) 0 to 500V voltage meter with selector switch - 1job				
	OUT GOINGS				



	63A,25KA TP+NL MCCB with 70A Contactor and 20KVAR MPP 480V Delta connected heavy duty Capacitors-3sets				
	32A,25KA TP+NL MCCB with 40A Contactor and 10KVAR MPP 480V Delta connected heavy duty Capacitors-4sets				
	6-STAGE APFCR RELAY along with all accessories.				
	(NOTE: Refer SLD)				
c	COMMON SUPPLY PANEL - INCOMER	Nos	1		
	a) 100A, TPN 25KA MCCB - 1No				
	b) Phase Indicating lamps LED type with fuse control - 1Set				
	c) On, off, trip, indication lamps - 2Set				
	d) 0 to 100A Ampere meter with selector switch with 3nos of 100A/5A, CL-1, 15VA CT's with tape wound - 1job				
	e)0 to 500V voltage meter with selector switch - 1job				
	OUT GOINGS				
	MPCB with DOL starters with water level controller, L/R selector switch, remote control for 1.5HP – 2Nos				
	MPCB with DOL starters with water level controller, L/R selector switch, remote control for 5HP – 1No				
	63A, TPN, MCB - 4 No's				
	32A, TPN, MCB – 2 No's				
	32A, DP, MCB – 1 No				
	32A, CONTACTOR – 1 No				
	25A, DP, MCB – 2 No's				
	20A, DP, MCB – 3 No's				
	(NOTE: Refer SLD)				
27	CABLES				
i)	SUBMAINS				
a	Supply and laying following size 1.1KV grade PVC insulated armoured aluminium/Cu. FRLS conductor under ground cable on the surface of wall, above false ceiling along with 2runs of 12swg GI wire with all installation materials.The cable shall conform to IS 1554 Part- I.scope also includes termination of the cable as required with suitable glands and lugs				
	1)3.5 core x 150sqmm Aluminium Cable for MAIN PANEL I/C , APFCR & HVAC PANEL	Mtr	160.00		
	2)3.5 core x 120sqmm Aluminium Cable (From DG set)	Mtr	55.00		



	3)3.5 core x 35sqmm Aluminium Cable (From Main Panel to respective floors DG backup & Non-DG backup panels/DBs)	Mtr	225.00		
	4)4 core x 25sqmm Aluminium Cable	Mtr	300.00		
	5)4 core x 16sqmm Copper Cable	Mtr	100.00		
	6)3 core x 4sqmm Copper Cable	Mtr	150.00		
	7)3 core x 6sqmm Copper Cable	Mtr	40.00		
	8)1 core x 10sqmm Copper Cable (For Server/ UPS Neutral earthing)	Mtr	150.00		
b	Providing end terminations for following size cables including supply of Compression type cable gland, lugs, insulation tape and identification tags complete with end termination and earthing of gland.				
	2)3.5 core x 150sqmm Aluminium Cable	Nos	6		
	3)3.5 core x 120sqmm Aluminium Cable	Nos	2		
	4)3.5 core x 35sqmm Aluminium Cable	Nos	20		
	5)4 core x 25sqmm Aluminium Cable	Nos	12		
	6)4 core x 16sqmm Copper Cable	Nos	10		
	7)3 core x 4sqmm Copper Cable	Nos	8		
	8)3 core x 6sqmm Copper Cable	Nos	8		
	9)1 core x 10sqmm Copper Cable	Nos	2		
28	EARTHING				
a	Providing standard copper plate earth station ,with 600x600x3.15mm thick copper plate, 40mm dia, 2.5 mtr GI pipe with 25X3 copper strips runs on both sides up to top of the earth pit including excavation and construction of brick pedestal providing meshed funnel, CI cover and other Civil works, spreading a homogeneous mixture of salt, charcoal around the plate etc completely as per IS 3043,1987 or latest revision (T/F- 2nos, UPS- 2nos, DG set- 2nos, Server Racks- 2nos).	Nos	8		
b	Providing G.I earth station, with 40mm dia, 2500mm long galvanized iron pipe including construction of brick pedestal providing meshed funnel CI cover and other Civil works, spreading a homogenous mixture of salt charcoal around the pipe etc., Completely as per IS 3043,1987 or latest revision (T/F- 2nos, LT panels- 2nos, DG set- 2nos, Lightning Protection- 2nos, Lifts- 2nos).	Nos	10		



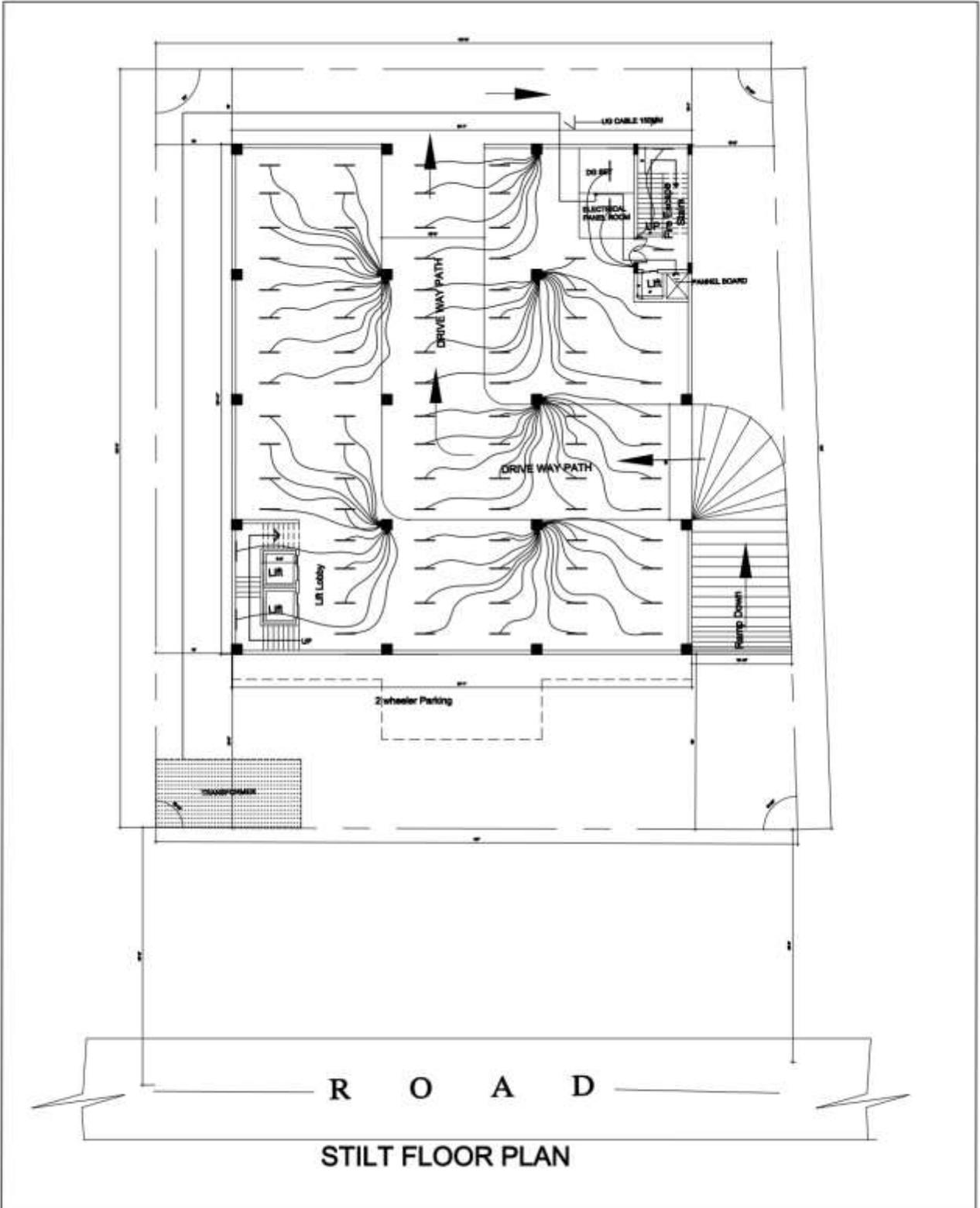
c	Providing G.I Earth station,with 40mm dia. GI pipe with 2 nuts and 4 washers,including construction of brick pedestal, providing meshed funnel,CI cover and other civil Engineering works, spreading a homogenous mixture of salt, charcoal around the pipe etc, completely as per IS 3043, 1987 or latest revision.	Nos	8		
d	Supply & Laying of 100mmX 25mmX 5mm Copper strip with supporting insulator and holes	Rmt	40.00		
e	Supply & Laying of 100mmX 25mmX 6mm GI strip with supporting insulator and holes	Rmt	100.00		
f	Supply and laying of 8SWG CU Wire in 20mm dia rigid pvc conduit for ups DB earthing from the existing earth pits in PVC conduit of suitable size.	Mtr	100.00		
g	Supply and laying of 8SWG GI Wire in 20mm dia rigid pvc conduit for Raw power & Lighting DB earthing from the existing earth pits as required in PVC conduit of suitable size.	Mtr	60.00		
29	<u>SUBSTATION ACCESSORIES</u>				
	Safety Accessories: Supply and fixing of following fixing accessories. All accessories shall bear ISI certification mark				
a	11KV Rubber mats of size 2000X600mm long 12mm thick	Each	4		
b	4.5KG CO2 type fire extinguishers	Each	6		
c	Shock treatment charts (English, Telugu & Hindi languages- Laminated)	Each	2		
d	Danger Boards (English, Telugu & Hindi languages)	Each	6		
e	Laminated SLD in suitable A2 color	Each	2		
f	First Aid kit with complete set of medicines	Each	2		
g	Fire Bucket stand with 4nos Buckets	Each	2		
30	Preparation & submission of As built drawings / documents along with necessary handing over documents, as required in the form of the Soft & hard copy sets.	LS			
31	Providing of Chain link fencing around the substation including providing of 2nos gates and base brick wall upto 300mm above FFL and fencing shall be upto 2100mm above FFL	Sqm	60.00		
32	Supply and spreading of 40mm Stone metal in the substation yard including levelling of the yard.	Cu. Mtr	6.00		



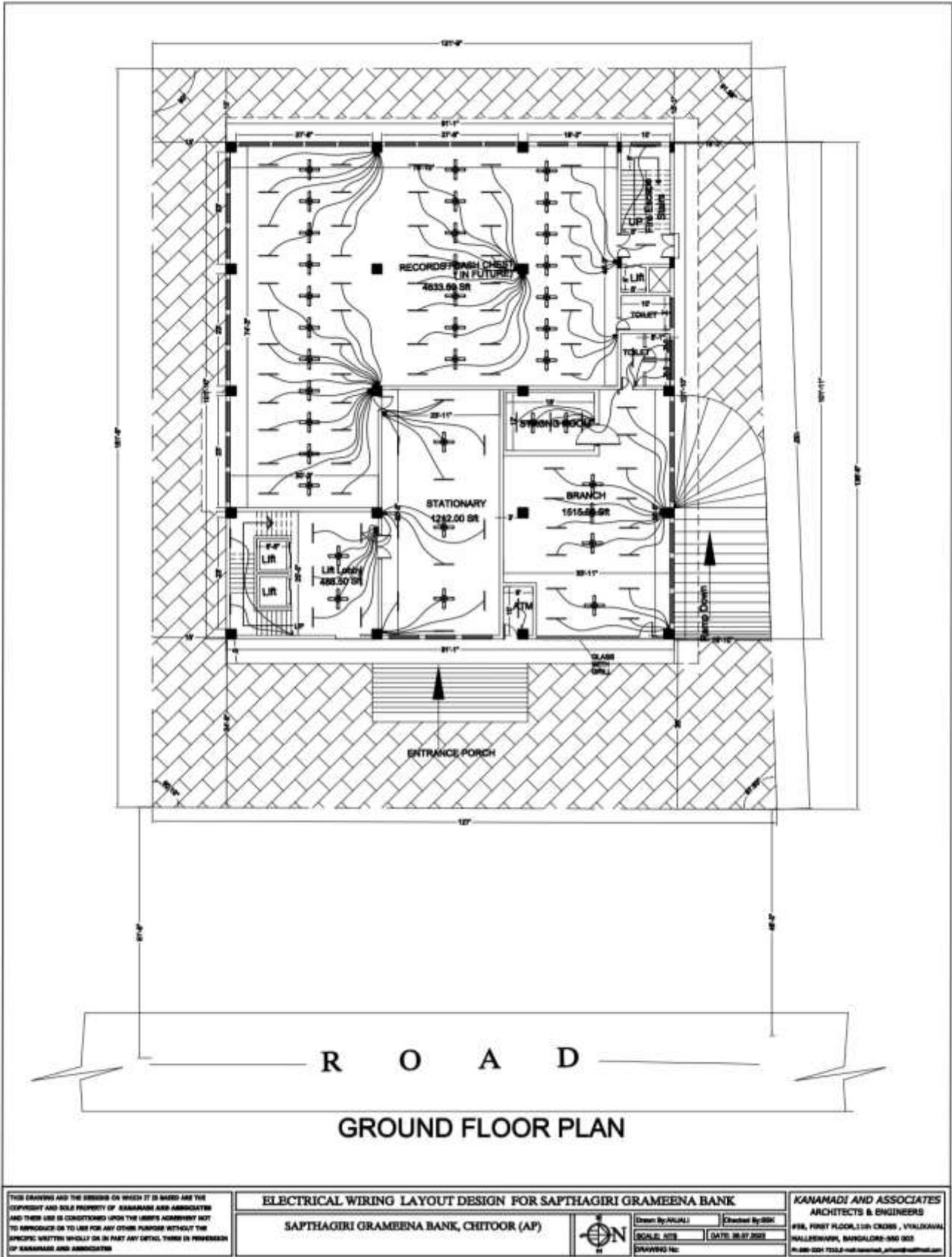
33	Supply and fixing of following size GI perforated cable tray made out of 2mm thick galvanized sheet and the tray covered with 2mm thick cover including GI / MS supports for fixing the tray, anchor fasteners etc., complete as required. (for Power / Data & Voice Cables)				
a	500mm wide	Mtr	65.00		
b	300mm wide	Mtr	35.00		
c	150mm wide	Mtr	35.00		
34	Arrangements of temporary power, Lighting, UPS wiring etc without effecting the operation of the branch working hours. Liasioning with the supply authorities and other Government bodies for enhancement of power load is within the scope of the contractor.	LS			
35	Supply and laying of following Heavy guage, 14SWG G.I. pipes with collars for taking Cables / road crossings, laid at a depth of 750mm below ground level including civil engineering works.				
a	100mm dia	Rmt	30.00		
b	150mm dia	Rmt	10.00		
36	Supply and laying of following NP2 RCC hume pipes with collars for road crossings, laid 600 / 750 / 1000mm below ground level including civil engineering works. NOTE: Cable pull chambers with covers shall be provided @ every 15mtrs interval with suitable dimensions for easy cable laying.				
a	150mm dia	Rmt	25.00		
b	300mm dia	Rmt	10.00		
c	450mm dia	Rmt	10.00		
<u>TOTAL COST OF ELECTRICAL -B</u>					
<u>TOTAL COST OF ELECTRICAL (A+B)</u>					
<u>DISCOUNT IF ANY%</u>					
<u>GRAND TOTAL</u>					
<u>GST-18%</u>					
<u>GRAND TOTAL</u>					

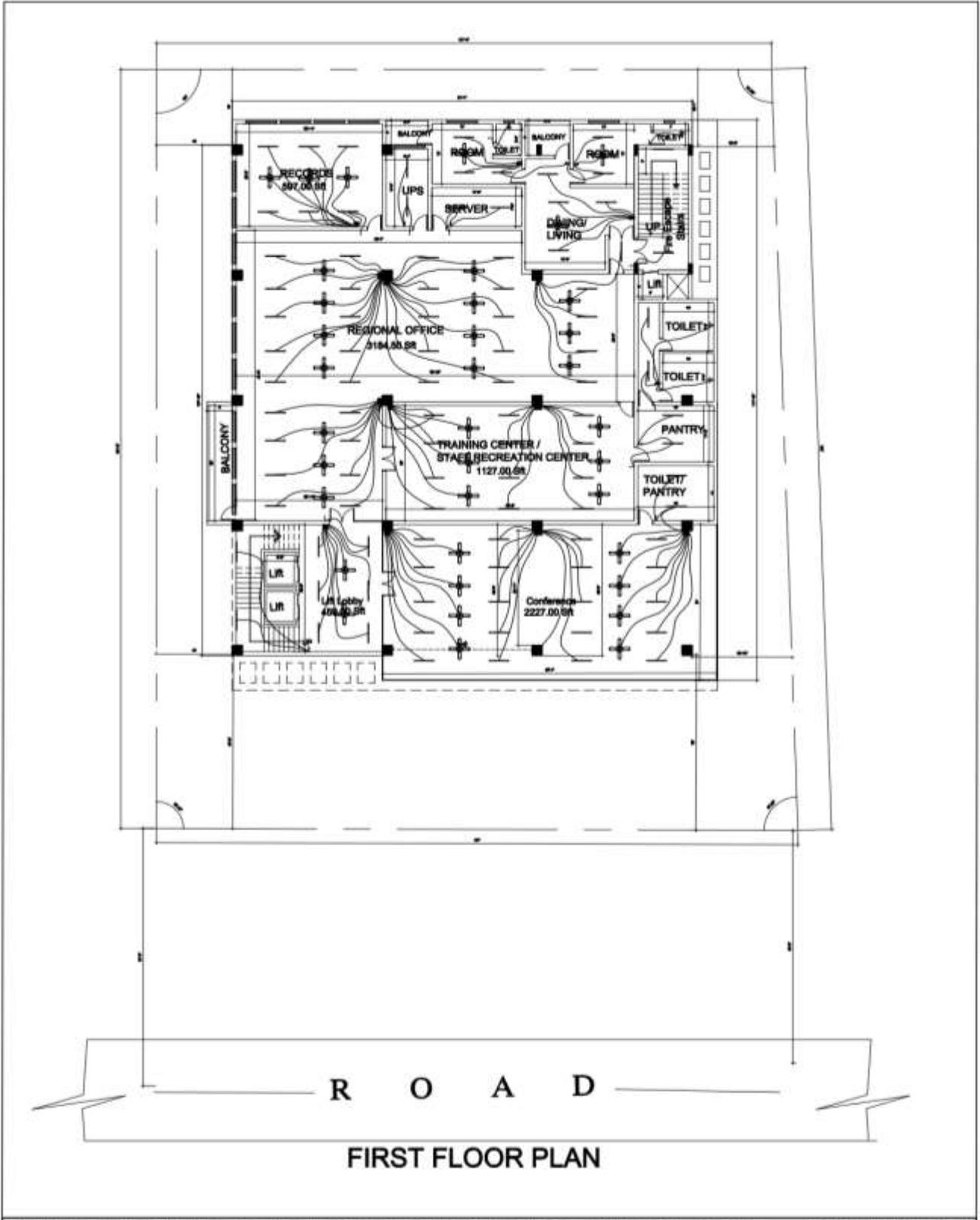
NOTE

The scope of works related to the preparation & submission of drawings, documents, Liasioning with APSPDCL/ CEIG /Local authorities for load sanction, shutdown, release of power up to premises shall be included in the package only. Additional amount shall not be paid towards the same. However Official amount as projected by the Electricity Dept shall be paid by the Bank.



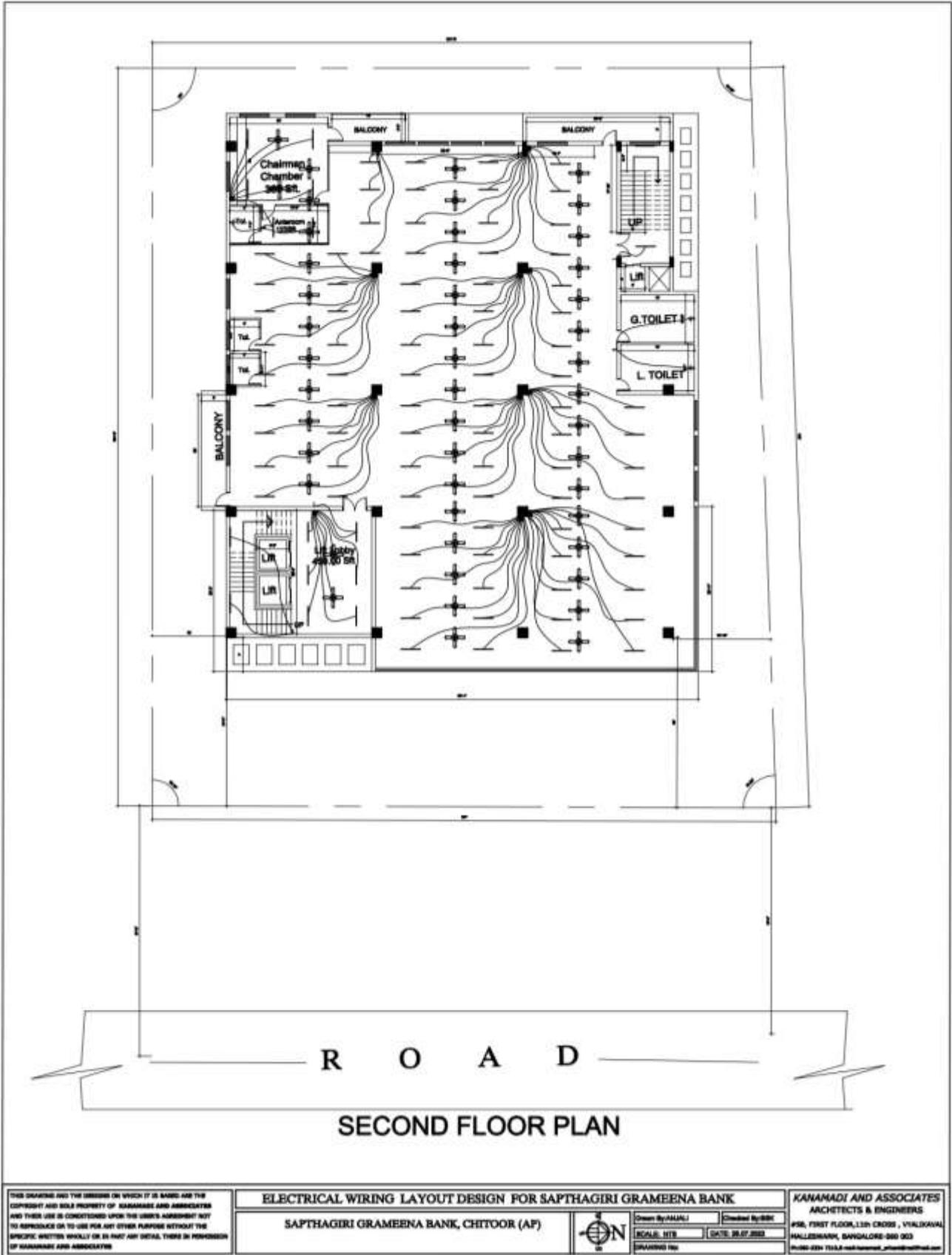
<p>THIS DRAWING AND THE DESIGN ON WHICH IT IS BASED ARE THE PROPERTY AND SOLE PRIVILEGE OF KAWAMADI AND ASSOCIATES AND THEIR USE IS RESTRICTED TO THE PROJECT AND NOT TO BE REPRODUCED OR TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE SPECIFIC WRITTEN CONSENT IN ANY FORM, EITHER IN PERMISSION OF KAWAMADI AND ASSOCIATES</p>	<p>ELECTRICAL WIRING LAYOUT DESIGN FOR SAPTHAGIRI GRAMEENA BANK</p> <p>SAPTHAGIRI GRAMEENA BANK, CHITTOOR (AP)</p>			<p>Drawn By: MMALI</p>	<p>Checked By: DR</p>
	<p>SCALE: MTR</p>	<p>DATE: 08.07.2022</p>		<p>PROJECT: PSB, FIRST FLOOR, 11th CROSS, VALLURUVAI HALLISWARR, BANGALORE-560 303</p> <p>PH: 9845347511, 9845347512, 9845347513</p>	

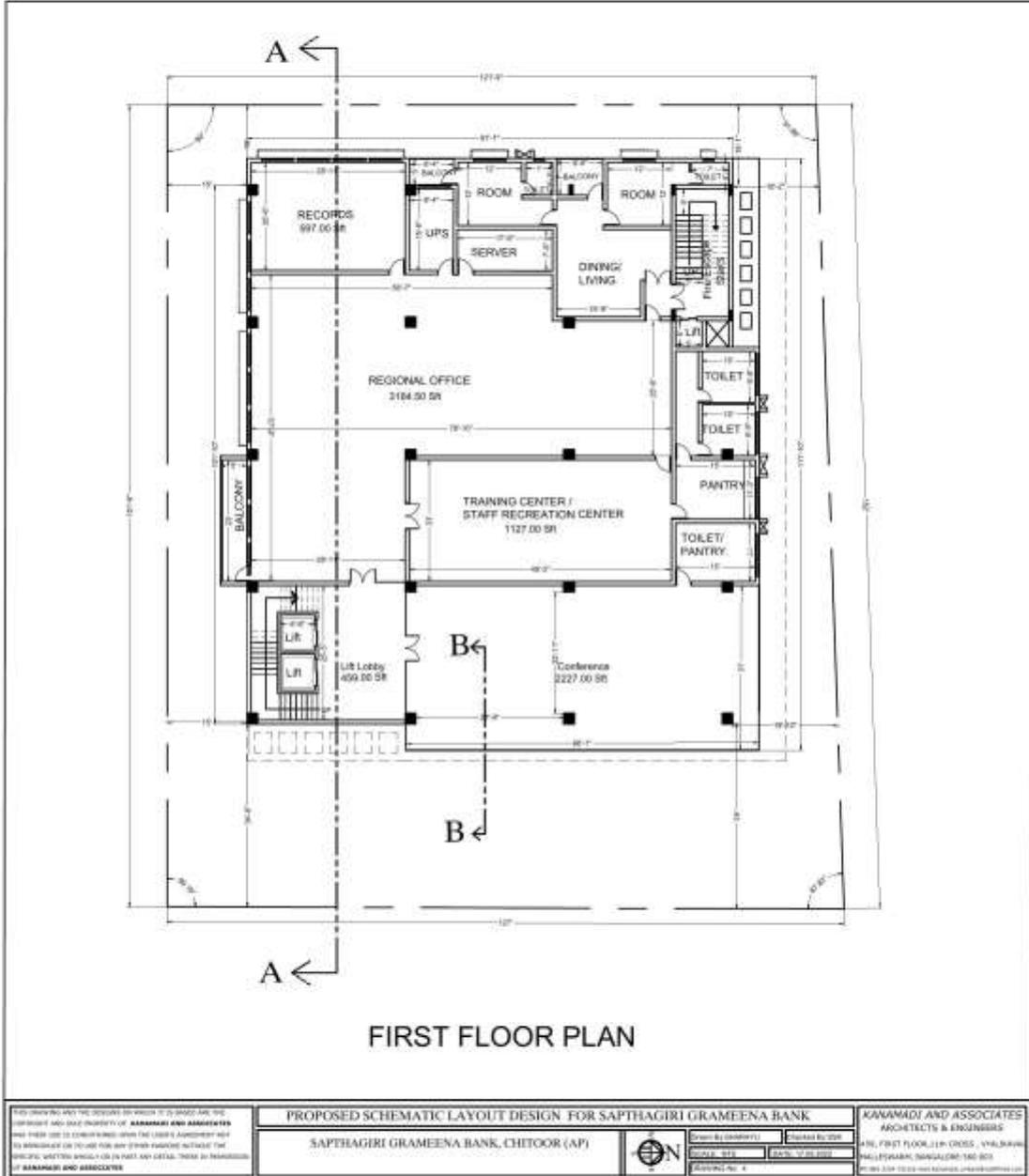


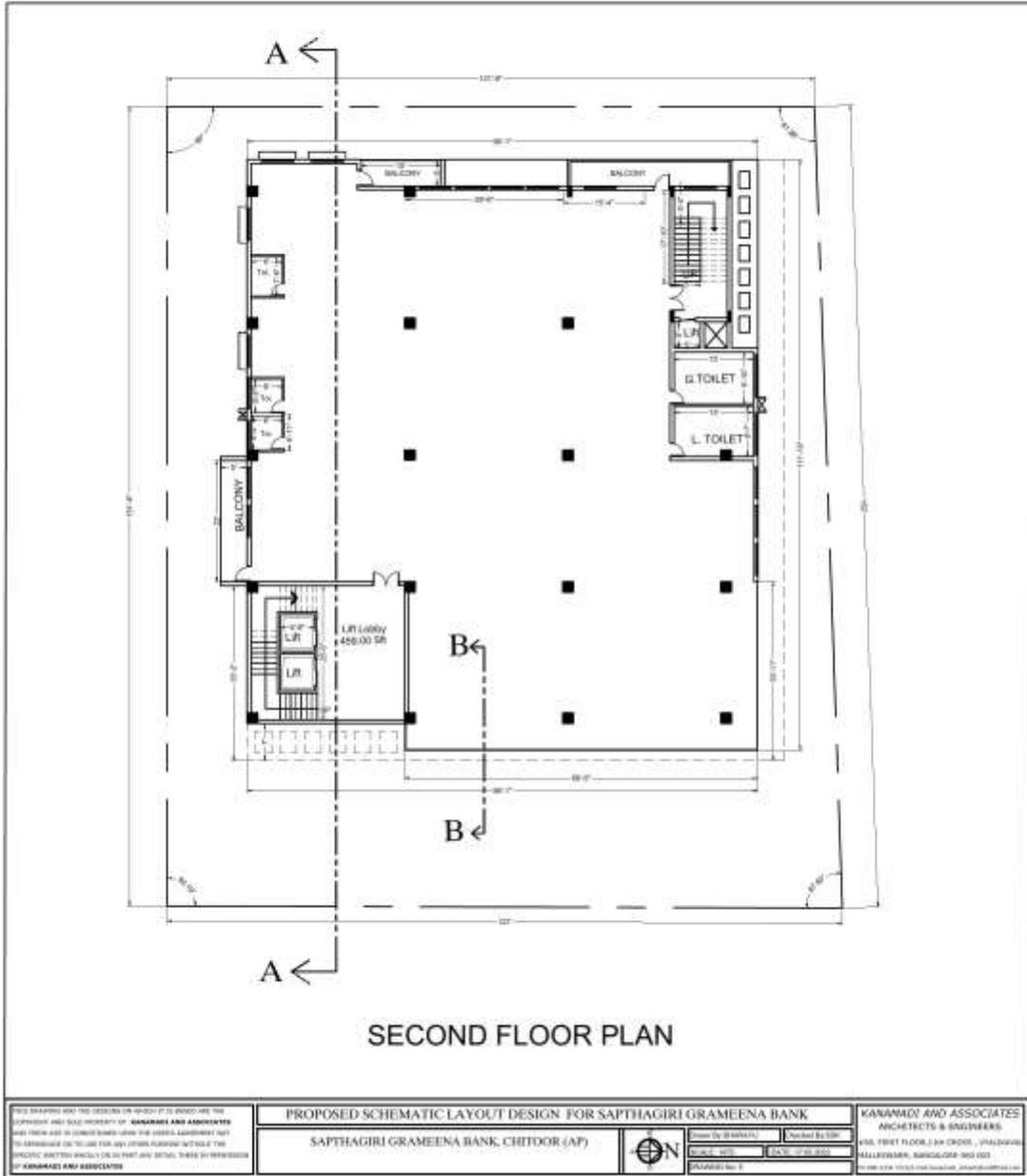


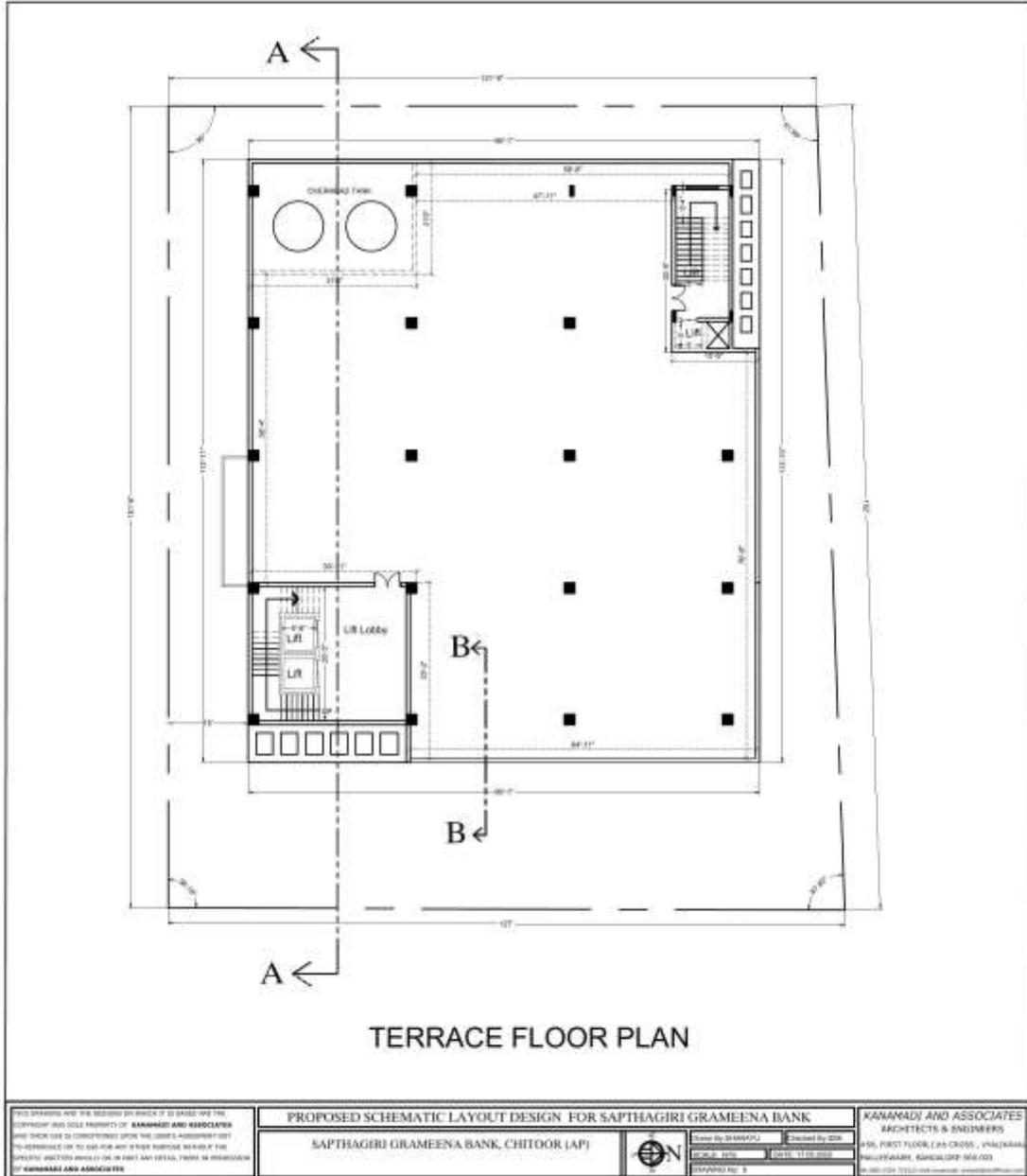
FIRST FLOOR PLAN

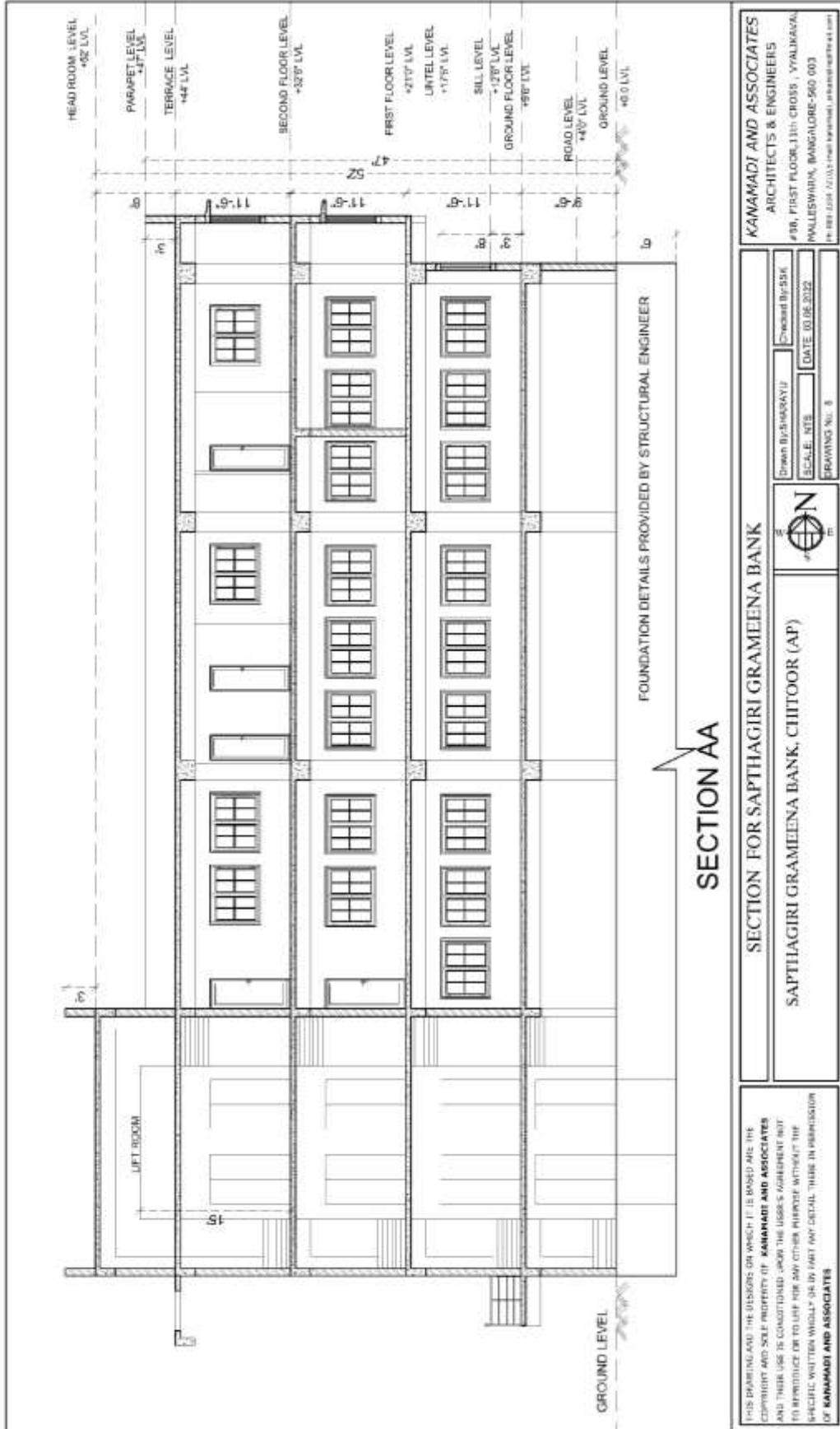
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	SAPTHAGIRI GRAMEENA BANK, CHITTOOR (AP)		
		Drawn By: APL/RL/1 Scale: HTB Checked By: SRI Date: 08.07.2022 Drawing No:	











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