



# BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

## C E R T I F I C A T E

No. EEE/CDP/AEE (O)/AE (T) 23-24

10872-74

Dt:

28 DEC 2023

This Estimate for Electrification of 126 Sites to an extent of 793KW (933KVA) formed by M/s. Shandera Properties Pvt Ltd Rep by Sri. Sriram Chitturi at Sy No. 195/4 of Chikkanagamangala Village Sarjapura Hobli Anekal Taluk in Veerasandra O&M Unit of Veerasandra Sub-Division, by class-I Licensed Electrical Contractor as per the approved sanctioned estimate cost of Rs. 7237331/- under self execution, work shall be carried under the supervision of Asst. Engineer (Ele) / Asst. Executive Engineer (Ele) Veerasandra Sub-Division.

10% Supervision Charges of Rs. 708333/- vide Rept No. 20230029483 Dated: 27.11.2023 at 10% on the cost of the estimate is collected. No work order is assigned under any Head of Account of the Corporation to this work. This Certificate itself is treated as sanction for execution of work. After completion of work, joint inventory as prescribed vide Chief Controller of Accounts circular No. A0/Sa.4/Cys-10/92-93, dated 20-04-92 (page 246 of compendium vol. I) will be taken and asset accounted in the books.

The applicant has to maintain the following corridor width, based on the voltage of EHV line, if any EHT line passes through the layout/M.S Building.

| 66KV                                                        | 220KV                                                          | 400KV                                                          |
|-------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
| 18 mtrs (9 mtrs on either side from the center of the line) | 35 mtrs (17.5 mtrs on either side from the center of the line) | 51 mtrs (25.5 mtrs on either side from the center of the line) |

All the electrical equipments such as LBS, Transformers and Metering cubicle shall be provided in Ground floor only.

As per Circular No. BESCOM/BC-33/F-2338/CYS-11/05.05.09 vide SI. No. 15(a); the materials procured by the contractors for execution of total turnkey/ Partial turnkey and self-execution, works shall be invariably be subjected to inspection by competent authority for its quality and specification as approved by BESCOM before commencement of works. The material placed by you is of 1-year guarantee and you have to maintain the same for 1 year.

Consequent to the amendment by the regulation by the Hon'ble KERC vide reference, the work shall be executed, completed and shall avail service within 180 days of this work order, else the application for power supply will be deemed as CANCELLED. On cancellation of the application, registration/re-registration cum processing charges shall stand forfeited. For any further details you may contact Asst. executive Engineer Veerasandra Sub-Division.

NOTE:- 1) Materials to be procured by BESCOM approved vendors and materials to be inspected by competent authority before execution / commencement of the work.

2) Vide ref no: GM(QS&S)/DGM(EI)-3/Mgr/BC-11/21-22/CYS-39/Date: 12.07.2021. In case of all Self execution works where dry type transformer, cable entry transformers are installed but not commissioned (for which there is no vendor approval) shall be commissioned only after getting specific approval from GM(QS&S).

AE (T),  
BESCOM, CDP

AEE (O),  
BESCOM, CDP

AO (F&C)  
BESCOM, CDP

Executive Engineer (Ele)  
BESCOM Chandapura.

| A/C Head                     | Amount in Rs. | Receipt No  | Date       |
|------------------------------|---------------|-------------|------------|
| 10% SC                       | Rs 708333/-   | 20230029483 | 27.11.2023 |
| CGST 9%                      | Rs 63750/-    | 20230029484 | 27.11.2023 |
| SGST 9%                      | Rs 63750/-    | 20230029485 | 27.11.2023 |
| LBST Charges                 | Rs 4080/-     | 20230029486 | 27.11.2023 |
| CGST 9%                      | Rs 367/-      | 20230029487 | 27.11.2023 |
| SGST 9%                      | Rs 367/-      | 20230029488 | 27.11.2023 |
| One time maintenance Charges | Rs 361867/-   | 20230029489 | 27.11.2023 |
| CGST 9%                      | Rs 32568/-    | 20230029490 | 27.11.2023 |
| SGST 9%                      | Rs 32568/-    | 20230029491 | 27.11.2023 |

Ref No:-

1. Intimation Ltr. No. CEBRAZ/SEO/AEE-1/2023-24/6205-08/ dated: 21.11.2023.
2. Administrative Approval Letter No. CEBRAZ/SEO/AEE-1/2023-24/6867-70/ dated: 16.12.2023.
3. Payment certificate No. AEE/VSR/AAO/SA/2023-24/1587/ dated 29.11.2023
4. KERC/COS/D/13/14-15, Bangalore, dated 25th August, 2014.

Copy to:-

5. Asst. Executive Engineer (Ele), BESCOM, Veerasandra Sub-Division.
6. Account Officer (F&C), BESCOM, Chandapura Division, Chandapura.
7. M/s. Shandera Properties Pvt Ltd Rep by Sri. Sriram Chitturi at Sy No. 195/4 of Chikkanagamangala Village Sarjapura Hobli Anekal Taluk in Veerasandra O&M Unit of Veerasandra Sub-Division.





ಬೆಂಗಳೂರು ವಿದ್ಯುತ್ ಸರಬರಾಜು ಕಂಪನಿ ನಿಯಮಿತ

**BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED**

Email : cebraz@bescom.co.in

Ph. No. 080 23500117

No. CEBRAZ/SEO/AEE-1/23-24/

Encl: file

6867-70

734322 DEC 2023

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ಸ. ಲೆಕ್ಕಾಧಿಕಾರಿ

ಸ.ಕಾನಿ.ಇಂ(ಬಾ.ಪು)

ಅಂ.ಪ. ಲೆಕ್ಕಾಧಿಕಾರಿ

ಮು.ಗಿ.

Office of the

Chief Engineer Ele, BRAZ

No.1-4, IT Park, 5th Floor, KSIIDC

Building Rajajinagar Industrial Estate,

Rajajinagar, Bengaluru- 560 044,

E-mail: cebraz@bescom.co.in

Date:

16 DEC 2023

The Executive Engineer Ele.,

C, O & M, BESCOM,

Chandapura division,

Chandapura

Sir,

Sub:

Arranging LT power supply to an extent of **793 KW (934 KVA)** to the proposed residential layout in favour of **M/s Shanders Properties Pvt Ltd Rep by Sri. Sriram Chitturi & others** at Chikkanagamangala village, Sarjapura Hobali, Anekal Taluk.-  
**Reg administrative approval**

Ref:

1. AEE, Veerasandra sub division payment certificate no AEE/ AA(O)/VSR/2023-24/1587 dated: 28-11-2023
2. T.O power sanction letter no CEBRAZ/SEO/AEE-1/23-24/6205-08 dated: 21-11-2023
3. SEE, RMGC Lr No. SEE/RMGC/EE(O)/AEE/22-23/6013-14 dtd 16-11-2023

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With reference to the above subject, as per the recommendations of the Superintending Engineer Ele., Ramanagara circle vide ref(3), this office vide ref-(2) has issued a power sanction for arranging LT power supply to an extent of **793 KW (934 KVA)** to the proposed residential layout in favour of **M/s Shanders Properties Pvt Ltd Rep by Sri. Sriram Chitturi & others** at Sy.No195 Chikkanagamangaia village, Sarjapura Hobali, Anekal Taluk, **under self execution**.

Now, the applicant has paid all the charges as per this office power sanction and the Asst Executive Engineer Ele., **Veerasandra** sub-division vide ref-1 has submitted the payment certificate for the payments made by the applicant.

The details of payment are as follows:

| Sl No | Deposits                | Amount (Rs) | Rt No and date               |
|-------|-------------------------|-------------|------------------------------|
| 1     | 10% supervision charges | 7,08,333/-  | 20230029483 dtd 27-11-2023 ✓ |
| 2     | 9% CGST                 | 63,750/-    | 20230029484 dtd 27-11-2023 ✓ |
| 3     | 9% SGST                 | 63,750/-    | 20230029485 dtd 27-11-2023 ✓ |

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(2)

|   |                      |            |                            |
|---|----------------------|------------|----------------------------|
| 4 | RMU testing charges  | 4080/-     | 20230029486 dtd 27-11-2023 |
| 5 | 9% CGST              | 367/-      | 20230029487 dtd 27-11-2023 |
| 6 | 9% SGST              | 367/-      | 20230029488 dtd 27-11-2023 |
| 7 | One time maintenance | 3,61,867/- | 20230029488 dtd 27-11-2023 |
| 8 | 9% CGST              | 32,568/-   | 20230029490 dtd 27-11-2023 |
| 9 | 9% SGST              | 32,568/-   | 20230029491 dtd 27-11-2023 |

Hence, administrative approval is hereby accorded for The total cost of the estimate is **Rs 72,37,331/- ( Total Rupees seventy two lakh thirty seven thousand three hundred and thirty one only )** for LT power supply to an extent of **793 KW (934 KVA)** to a residential layout, subject to the following terms & conditions, wherever it is applicable.

1. The concerned divisional Executive Engineer Ele, is instructed to take further action duly observing the conditions stipulated in this office power sanction vide ref-2/KERC rules/BESCOM norms.
2. In future, the applicant has to pay any variation/ difference of charges, if any, payable to BESCOM.
3. The Released materials, if any, as per the 7<sup>th</sup> schedule credit estimate shall be handed over to the concerned divisional stores.
4. After completion of work, joint inventory as prescribed vide Chief Controller of Accounts, circular No. AP/CYS-10/92-93/20-04-1992 (Page 246 of compendium vol I) shall be taken and the assets shall be accounted in the books of company.

**Note: Revise the estimate as per the new SR 23-24. Difference in charges shall be collected before further processing of the proposal if necessary.**

Yours faithfully,

  
Chief Engineer Electy.,  
BRAZ, BESCOM.

**Copy to:**

1. The Superintending Engineer Ele., O & M , BESCOM, Ramanagara circle, Bangalore.
2. The Assistant Executive Engineer Ele., O&M, BESCOM, **Veerasandra** sub-division.
3. **M/s Shanders Properties Pvt Ltd Rep by Sri. Sriram Chitturi & others** at Chikkanagamangala village, Sarjapura Hobali, Anekal Taluk.  
AEE-1/MF/OC.



# BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

(Wholly Owned Government of Karnataka Undertaking)

EST NO: AE / VSL /

Date:-02/11/2023

Estimate for Electrification of 126 Sites to an extent of 793KW(933KVA) Formed by M/S Shanders Properties Pvt Ltd Rep by Sri.Sriram Chitturi, Sy.No.195/4 of Chikkanagamangala Village, Sarjapura hobli, Anekal taluk, Bangalore in Veerasandra O & M unit Veerasandra Sub Division.

## UNDER SELF EXECUTION WORK

### PART A : EXTENSION OF 11KV LINE

| SL NO | PARTICULARS                                                                                                    | UNIT | QTY  | MATERIAL   |         | LABOUR     |        |
|-------|----------------------------------------------------------------------------------------------------------------|------|------|------------|---------|------------|--------|
|       |                                                                                                                |      |      | Rate/ unit | Cost    | Rate/ unit | Cost   |
| 1     | Spun pole 11mtr long                                                                                           | Nos  | 1    | 18140      | 18140   | 3337       | 3337   |
| 2     | Concreting materials for 11 Mtrs Spun Pole concreting 1:2:4, 1000x1000x2350 mm                                 | Each | 1    | 0          | 0       | 17064      | 17064  |
| 3     | Painting of Spun pole and all metal parts of the TC structure with 2 coats of enamel paint                     | Pole | 1    | 0          | 0       | 3403       | 3403   |
| 4     | 11KV Class 3 X 95 Sq mm XLPE UG Cable                                                                          | Kms  | 0.2  | 782621     | 156524  | 39377      | 7875   |
| 5     | Straight Through Jointing Kits HS Type suitable for 3x95 Sqmm Cable                                            | Nos  | 1    | 9706       | 9706    | 1865       | 1865   |
| 6     | Indoor Pot head Suitable for 3 x 95 Sq mm XLPE HS type                                                         | Nos  | 7    | 3319       | 23233   | 1709       | 11963  |
| 7     | Sand                                                                                                           | Cmt  | 12   | 1488       | 17856   | 11570      | 274    |
| 8     | Cable covering tiles 250x125x40 mm                                                                             | Nos  | 200  | 10         | 2000    | 3292       | 78     |
| 9     | Route and Joint Indicating Stones                                                                              | Nos  | 2    | 130        | 260     | 86         | 172    |
| 10    | GI Pipe, 100 mm Dia for drain crossing, cable raising etc.                                                     | Mtrs | 8    | 1528       | 12224   | 58         | 464    |
| 11    | Cable trench excavation, 1000x0.6x1=600, Ordinary soil                                                         | Cmt  | 0.12 | 0          | 0       | 260        | 31     |
| 12    | Refilling and consolidation                                                                                    | Mtrs | 110  | 0          | 0       | 58         | 6380   |
| 13    | Cable covering tiles 250x125x40 mm                                                                             | Nos  | 800  | 10         | 8000    | 2863       | 573    |
| 14    | Route and Joint Indicating Stones                                                                              | Nos  | 4    | 130        | 520     | 75         | 300    |
| 15    | GI Pipe, 100 mm Dia for drain crossing, cable raising etc.                                                     | Mtrs | 8    | 1243       | 9944    | 50         | 400    |
| 16    | Cable trench excavation, 1000x0.6x1=600, Ordinary soil                                                         | Cmt  | 120  | 0          | 0       | 260        | 31200  |
| 17    | Refilling and consolidation                                                                                    | Mtrs | 110  | 0          | 0       | 58         | 6380   |
| 18    | 11KV GOS 200A Single break                                                                                     | Set  | 1    | 130        | 130     | 86         | 86     |
| 19    | II-Frame for mounting GOS                                                                                      | No   | 1    | 1528       | 1528    | 58         | 58     |
| 20    | 5 Way RMU, 20D + 3VL (One Incomer + Three Breakers + One Outgoing) as per cost data sheet                      | Nos. | 1    | 1340025    | 1340025 | 18560      | 92800  |
| 21    | 5Star rated 250kVA cable entry type DTC                                                                        | Nos  | 3    | 524000     | 1572000 | 1727       | 5181   |
| 22    | Bed for mounting Transformer                                                                                   | Each | 3    | 0          | 0       | 30361      | 91083  |
| 23    | Pipe type earthing for Transformer                                                                             | Set  | 9    | 1733       | 15597   | 735        | 6615   |
| 24    | LT Distribution box for 250kVA DTC with MCCB'S                                                                 | Nos  | 3    | 22809      | 68427   | 576        | 1728   |
| 25    | L.T. Electronic Tri-Vector Meter 5A, Class-0.5/1.0 accuracy with RS 232, DLMS CAT-A meter with RRAMR facility. | Nos  | 3    | 3312       | 9936    | 798        | 2394   |
| 26    | DTC MS Box for housing the ETV Meter 3 phase 4 wire 5A, with associated LT CTs                                 | Nos  | 3    | 6144       | 18432   | 650        | 1950   |
| 27    | GSM Modem                                                                                                      | Nos  | 3    | 4484       | 13452   | 1018       | 3054   |
| 28    | Providing fencing                                                                                              | Sqmt | 36   | 0          | 0       | 987        | 35532  |
| 29    | Miscellaneous                                                                                                  | L/s  |      |            | 2066    |            | 2752   |
| 21    | Total                                                                                                          |      |      |            | 3300000 |            | 335000 |



**RFB : SUPPLY AND LAYING OF 11KV 3.5C x 240SQMM PVC AR UG CABLE FROM TRANSFORMER TO 12WAY LT FEEDER PILLER BOX .**

| SL NO | PARTICULARS                                         | UNIT | QTY  | MATERIAL                |         | LABOUR     |        |
|-------|-----------------------------------------------------|------|------|-------------------------|---------|------------|--------|
|       |                                                     |      |      | Rate/ unit              | Cost    | Rate/ unit | Cost   |
| 1     | LT UG Cable 11 kv class 240sq mm 4 core             | Kms  | 1.50 | 1186071                 | 1779107 | 24148      | 36222  |
| 2     | 8 Mtrs Long Tubular Poles                           | Nos  | 20   | 2008                    | 40160   | 932        | 18640  |
| 3     | LED Fittings with LED Tube                          | Set  | 20   | 3551<br><del>1000</del> | 71020   | 194        | 3880   |
| 4     | Automatic Switches for Street light                 | Nos  | 2    | 2245                    | 4490    | 380        | 760    |
| 5     | GI bracket for LED fittings                         | Set  | 20   | 364                     | 7280    | 85         | 1700   |
| 6     | Street light metering box made of SMC               | Nos  | 2    | 5954                    | 11908   | 625        | 1250   |
| 7     | LT Feeder pillar box 12way                          | Nos  | 11   | 62878                   | 691658  | 1352       | 14872  |
| 8     | Cable Trench Excavation 1000X.6X1=600 ordinary soil | Cmt  | 900  | 0                       | 0       | 260        | 234000 |
| 9     | Refilling & Consolidation                           | Cmt  | 825  | 0                       | 0       | 58         | 47850  |
| 10    | River Sand                                          | Cmt  | 90   | 1488                    | 133920  | 11570      | 274    |
| 11    | PVC pipe 20mm dia                                   | Nos  | 20   | 21                      | 420     | 0          | 0      |
| 12    | Miscellaneous                                       |      |      |                         | 1057    |            | 552    |
| 13    | Total                                               |      | 974  | 3020                    | 2690000 |            | 360000 |

| Sl no | PARTICULARS                                               | Amount  |
|-------|-----------------------------------------------------------|---------|
| 1     | Material cost (A + B) 6043020                             | 5990000 |
| 2     | Labour cost (A + B )                                      | 695000  |
| 3     | Locality Allowance @20% on labour charges                 | 139000  |
| 4     | ESCOM establishment cost                                  | 139000  |
| 5     | Contingencies at 3% on material and labour 206311         | 201730  |
| 6     | Government electrical inspectorate charges as per actuals | 15000   |
| 7     | Total cost of the estimate 7237331                        | 7182720 |

**Certificate:** Certified that I have personally visited the spot and prepared this estimate by using current schedule of rates for most economical and safe way of executing the work.

**Report:-** This Estimate amounting to Rs. 7182720/- has been prepared for Electrification of 126 Sites to an extent of 793KW (933KVA) Formed by M/S Shanders Properties Pvt Ltd Rep by Sri.Sriram Chitturi , Sy.No.195/4 of Chikkanagamangala Village , Sarjapura hobli , Anekal taluk , Bangalore in Veerasandra O & M unit Veerasandra Sub Division.

1. It is proposed to tap the existing 11KV line of F10 Feeder of Malgudi muss at point A by providing 1no of 11Mtr long Spun Pole with 200A S/B GOS from Point A & extend the 11KV line by using 3 x95Sqmm HTUG cable to a distance of 200M from point "A" to "B" and provide 1no of 20D+3VL Rmu and point C for regular source as shown in the Sketch.

2. It is Proposed tp provide 3.5c x 240sq.mm LT UG Cable to a distance of 1.5Km and provide 11nos of 12WAY LT Feeder pillar boxes at various locations as shown in the sketch, for extention of LT Line,with loop-in loop-out system, Provision for 1 nos earthing for each Feeder pillar box is made in the estimate.

3. It is proposed to provide 3Nos of 250KVA DTC's at point "D " ,"E" & "F" as shown in the sketch.



| Site |       |
|------|-------|
| 1    | 30X60 |
| 2    | 30X50 |
| 3    | 30X40 |

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ಶು. ಶೀರ್ಷಿಕೆ.....Self Execution.....

ಅಂದಾಜು ಬಡ್ತಿ...72,37,331/-

Seventy two lach thirty seven thousand  
three hundred and thirty one only

ಅಂದಾಜು ಬಡ್ತಿ ಸಂಖ್ಯೆ SL no. 914 P4 no. 292-

4/12/23 293

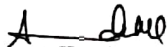
ಅ.ನಂ. (ಎ) ಅ.ನಂ. (ಎ) 293

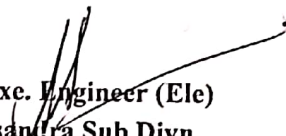
| o | Site Dimension                                    | No. of sites                            | Load In KW/Site | Total load in KW | Total load in HP |
|---|---------------------------------------------------|-----------------------------------------|-----------------|------------------|------------------|
| 1 | 30X60                                             | 33                                      | 7               | 231              | 0                |
| 2 | 30X50                                             | 20                                      | 7               | 140              | 0                |
| 3 | 30X40                                             | 48                                      | 5               | 240              | 0                |
| 4 | EWS                                               | 12                                      | 3               | 36               | 0                |
| 5 | Odd Sites                                         | 13                                      | 7               | 91               |                  |
| 6 | Street light & water supply                       | 1                                       | 25              | 25               | 0                |
| 7 | STP                                               | 1                                       | 30              | 30               | 0                |
| 8 | Total Load                                        |                                         |                 | 793              | 0                |
|   | Load Calculation                                  | Total Load =793\ Diversity Factor = 1.5 |                 |                  |                  |
|   |                                                   | 529 KW =                                | 622 Kva         |                  |                  |
|   | DTC 250KVA Transformers as per new KERC Commision | 3                                       | Nos DTC         |                  |                  |

It is Certified that,

1. There is no IP sets existing in this layout.
2. There is no long disconnected installation existing in this layout.
3. There is no lake inside/near to this layout.
4. This is an Independent Layout
5. There is no LT/HT/EHT lines crossing in this layout.

The proposed load comes on existing Malgudi MUSS with the installed capacity of 3 x 20MVA and station peak load is 47.6MW and F10 feeder peak load is 148A. Can take up this load safely. All above said proposal works will be carried out Under Self Execution of Work. All required materials and labour charges are made provision in this estimate. Hence this estimate is submitting for your kind spot inspection and further needfull.

  
Assistant Engineer (Ele)  
Veerasandra O&M Unit  
Veerasandra Sub Division

  
Asst Exc. Engineer (Ele)  
Veerasandra Sub Divn  
Bescom , Bengaluru

  
Executive Engineer(Elec)  
BESCOM., O & M Divn  
Chandapura, Bangalore-560 099

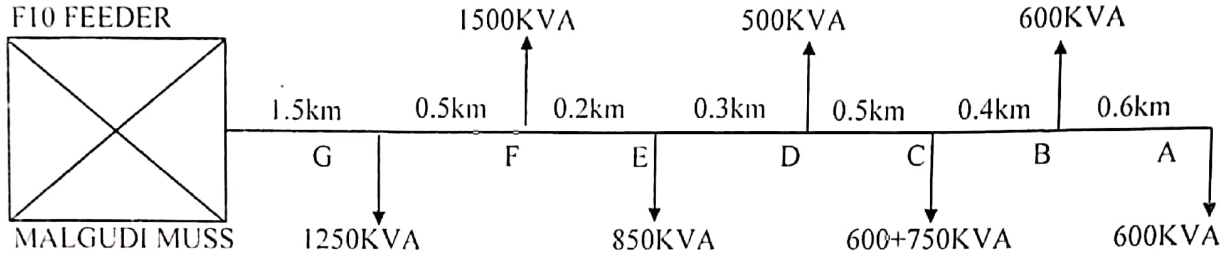


# BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

(Wholly Owned Government of Karnataka Undertaking)

**AFTER**

HTVR OF 11KV F10 Feeder of Malgudi MUSS in connection with Electrification of 126 Sites to an extent of 793KW(933KVA) Formed by M/S Shanders Properties Pvt Ltd Rep by Sri.Sriram Chitturi , Sy.No.195/4 of Chikkanagamangala Village , Sarjapura hobli , Anekal taluk , Bangalore in Veerasandra O & M unit Veerasandra Sub Division.



|             | KVA  | KM  | TOTAL |
|-------------|------|-----|-------|
| AB          | 600  | 0.6 | 360   |
| BC          | 1200 | 0.4 | 480   |
| CD          | 2550 | 0.5 | 1275  |
| DE          | 3050 | 0.3 | 915   |
| EF          | 3900 | 0.2 | 780   |
| FG          | 5400 | 0.5 | 2700  |
| GH          | 6650 | 1.5 | 9975  |
| TOTAL KVAKM |      |     | 16485 |

$$\text{HTVR} = \frac{16485 \times 0.042}{150}$$

150

$$\text{HTVR} = 4.62 \%$$

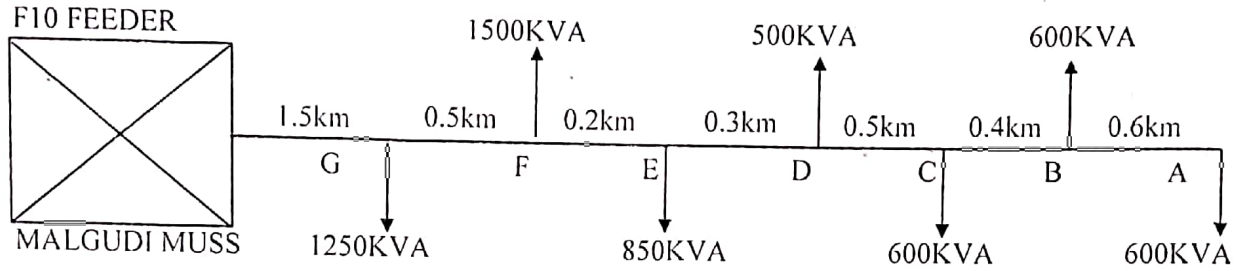
*[Signature]*  
Assistant Engineer (Ele)  
Veerasandra O&M Unit  
Veerasandra Sub Division

*[Signature]*  
Asst Exe. Engineer (Ele)  
Veerasandra Sub Divn  
Bescom , Bengaluru





HTVR OF 11KV F10 Feeder of Malgudi MUSS in connection with Electrification of 126 Sites to an extent of 793KW(933KVA) Formed by M/S Shanders Properties Pvt Ltd Rep by Sri.Sriram Chitturi , Sy.No.195/4 of Chikkanagamangala Village , Sarjapura hobli , Anekal taluk , Bangalore in Veerasandra O & M unit Veerasandra Sub Division.



|             | KVA  | KM  | TOTAL |
|-------------|------|-----|-------|
| AB          | 600  | 0.6 | 360   |
| BC          | 1200 | 0.4 | 480   |
| CD          | 1800 | 0.5 | 900   |
| DE          | 2300 | 0.3 | 690   |
| EF          | 3150 | 0.2 | 630   |
| FG          | 4650 | 0.5 | 2325  |
| GH          | 5900 | 1.5 | 8850  |
| TOTAL KVAKM |      |     | 14235 |

$$\text{HTVR} = \frac{14235 \times 0.042}{150}$$

$$\text{HTVR} = 3.99 \%$$

*[Signature]*  
Assistant Engineer (Ele)  
Veerasandra O&M Unit  
Veerasandra Sub Division

*[Signature]*  
Asst Exe. Engineer (Ele)  
Veerasandra Sub Divn  
Bescom , Bengaluru



# BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

(Wholly Owned Government of Karnataka Undertaking)

Feasibility report for Electrification of 126 Sites to an extent of 793KW(933KVA) Formed by M/S Shanders Properties Pvt Ltd Rep by Sri.Sriram Chitturi, Sy.No.195/4 of Chikkanagamangala Village, Sarjapura hobli, Anekal taluk, Bangalore in Veerasandra O & M unit Veerasandra Sub Division.

## I TECHNICAL DETAILS

|   |                               |              |
|---|-------------------------------|--------------|
| 1 | Name of the Station           | MALGUDI MUSS |
| 2 | Installed Capacity            | 3 x 20MVA    |
| 3 | Peak Load                     | 47.6MW       |
| 4 | Bank No                       | II           |
| 5 | C.T.Ratio                     | 1200/1       |
| 6 | Peak Load in Amps of the Bank | 824A         |

## II FEEDER

|   |                       |                           |
|---|-----------------------|---------------------------|
| 1 | Name of the feeder    | F10 Veerasandra I A Ph-2  |
| 2 | Peak load             | 148A                      |
| 3 | C.T.Ratio             | 400/1A                    |
| 4 | Cable size            | 400SQMM HTUG CABLE        |
| 5 | Conductor used        | Coyote + Rabbit Conductor |
| 6 | H.T.V.R in percentage | 4.62                      |

## III TRANSFORMER CENTRE

|   |                          |                                                                                   |
|---|--------------------------|-----------------------------------------------------------------------------------|
| 1 | Location                 | Proposed 3X250KVA Cable Entry TC under self execution to cater the requisit loads |
| 2 | Capacity                 |                                                                                   |
| 3 | Connected load           |                                                                                   |
| 4 | Peak load                |                                                                                   |
| 5 | No. of existing circuits |                                                                                   |

## IV L.T.SECONDARIES

|   |                |                    |
|---|----------------|--------------------|
| 1 | Conductor used | LTUG CABLE 240SQMM |
| 2 | L.T.V.R        | Satisfactory       |

|    |                          |                                                             |
|----|--------------------------|-------------------------------------------------------------|
| IV | Remarks/ Recommendations | Power supply is feasible after execution of proposed works. |
|----|--------------------------|-------------------------------------------------------------|

Assistant Engineer (Ele)  
Veerasandra O&M Unit  
Veerasandra Sub Division

Asst Exe Engineer (Ele)  
Veerasandra Sub Divn  
Bescom, Bengaluru

Executive Engineer (Elec)  
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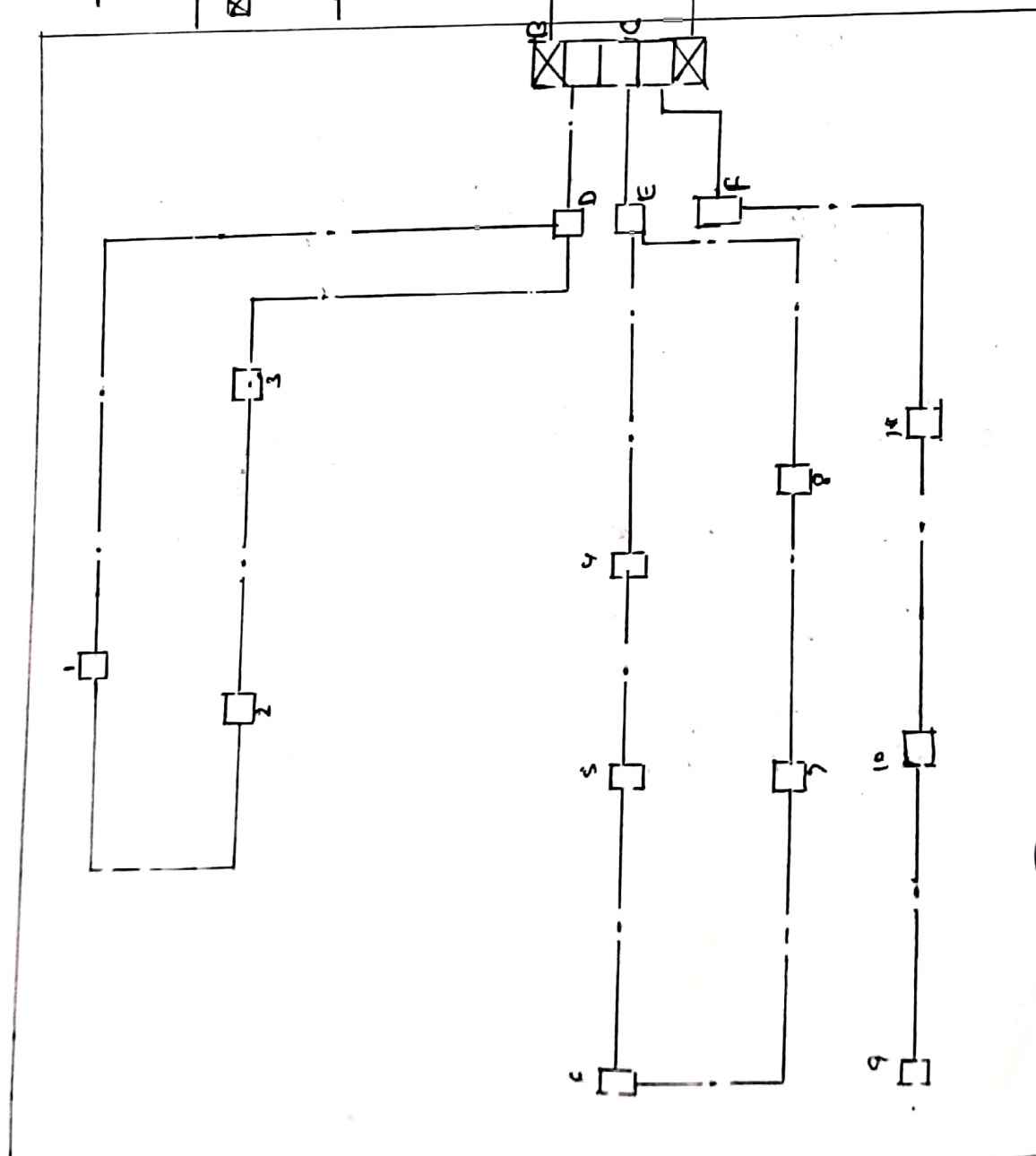


# **BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED** (Wholly Owned Government of Karnataka Undertaking)

Sketch Showing for Electrification of 126 Sites to an extent of 793KW (933KVA) Formed by M/S Shandera Properties Pvt Ltd Rep by Sri.Sriram Chitturi, Sy. No. 105/4 of Chikkanagamangala Village, Sarjapura hobli, Anekal taluk, Bangalore in Veerasandra O & M unit Veerasandra Sub Division.

Index:

- \* - Existing 11 KV line of F10 kV cable
- - Proposed 11 KV span pole with 11 KV cables
- - Proposed 3x95mm<sup>2</sup> XLPE HV cable
- ▣ - Proposed 200/300 RLV
- - Proposed 3x250kVA cable entry
- - Proposed LV cable
- - Proposed feeders/pole box
- D - Proposed consumer layout.



*[Signature]*

Assistant Engineer, Elec.,  
Veerasandra C.O. & M Unit,  
Veerasandra Sub-Division,  
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