



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

D.No :LR NO.CE(COMML)/SE(C)/DE(C)/ADE-I/AE-I/D.NO.81/2025-26, DT.18.02.2026

M/s. DEPOT MANAGER TSRTC, HT22757513

REPORT TO ACCOMPANY THE ESTIMATE

General: Estimate for extension of 11KV HT Supply for Addl load of 500KVA CMD without change in CL over and above the existing 2500KVA CMD with a CL 4000HP making total Load 3000KVA CMD with a CL 4000HP under Cat-IX to M/s. DEPOT MANAGER TSRTC, (MCL3148) at TGRTC Miyapur-II Depot in Miyapur Section of Miyapur Sub-Division in Kukatpally Division of Medchal Circle under Capital Works.

Justification:

The existing 11KV BUS DEPOT -2 feeder from 33/11 KV Vikas Sub-Station reached maximum load of 172Amps, Dt: 12.05.2025, 01:00Hrs. In this regard, with Additional load of 500KVA, the existing 11KV OH feeder will reach 198A, and is not feasible. Hence proposal involves Laying of New 11KV XLPE 3*300SQMM. UG CABLE in place of existing 11KV 185Sqm. AB Cable for a length of 1900 meters from 33/11KV VIKAS SS to RTC Bus Depot.

The same Existing 11KV BUS DEPOT-2 Feeder VCB in 33/11KV VIKAS SS is being utilized for newly laying 11kv 3*300Sqmm. XLPE UG Cable with Maximum Current capacity of about 330A. Metering Cubicle with VCB available at consumer premises.

Point of Supply: As shown in the sketch.

Main Features: - The proposal envisages the following

- 1) Laying of Double Run 11KV XLPE 3*300SQMM. UG CABLE for a length of 1900 meters & raising 100 Meters from 33/11KV VIKAS SS to RTC Bus Depot.
- 2) Erection of 3Nos 11kv RMUs.
- 3) Erection of 1No Box pole for cable raise support at RTC Bus Depot.
- 4) Release of Addl. CMD of 500KVA in 11KV HT Cat-IX.

Power Transformer Capacity: The existing 2*12.5MVA = 25MVA power transformers at 33/11 KV VIKAS S.S is having the following load particulars:

| | | |
|--------------------|---|-----------|
| Existing Load | : | 10762 KVA |
| Now Proposed Loads | : | 500 KVA |
| Total | : | 11262 KVA |

HT Regulation: The tail end HT/LT regulation of the feeder has been found to be within the permissible

Certificate:

- a) This is certified that there is no HT/LT line is passing through the consumer premises.
- b) This is certified that there is no UDC/OSL/AGL Services or Arrears existing in the proposed estimate.
- c) This is certified that there is no Theft/Malpractice case/Court case is pending in this premises.

Description about Location:

Latitude: 17.512768, Longitude: 78.359874



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Estimate Number : E-2025-07-02-13-04-065

| | |
|---|---|
| Division : SE/OP/GHYD WEST | Section : AE MIYAPUR |
| Project Type : SC-Extension of Supply (HT-11KV) | Cost Center : 107213401 |
| Estimate No. : E-2025-07-02-13-04-065 | Estimate Description : M/s. DEPOT MANAGER TSRTC, HT22757513 |
| Network No. : 520000803142 | Estimate Created Date : 29.12.2025 |
| Reservation No. : 8002899164 | Plant : 1060 |
| User Status : APRD NBGD | System Status : CRTD AVAC |
| Estimate Approved date : 18.02.2026 | Estimate Sanctioned By : CGM_COMML |

Work to be executed by : DEPARTMENT

| CSC Ren no. | Appl. Name | HT/ LT | Cat. 1 | Sub. Cat.1 | C.L1 | Cat. 2 | Sub_cat.2 | C.L2 | Bi-Mon. | Doc. Rec. | Ser. Con. | Exst. Load |
|-------------|---------------------|--------|--------|------------|----------|--------|-----------|------|---------|-----------|-----------|------------|
| HT22757513 | DEPOT MANAGER TSRTC | HT | 09 | 011 | 3,000.00 | 00 | 00 | 0.00 | | X | | 2,500.00 |

| Total Estimate Cost (Gross): | | | | | | | | | | | 22273263.37 |
|------------------------------|---------------------------|--|--|--|--|--|--|--|--|--|---------------|
| Less Credits : | | | | | | | | | | | 0.00 |
| Estimate Cost (Net) : | | | | | | | | | | | 22273263.37 |
| SL.No. | Proposals involves | | | | | | | | | | Total in Rs. |
| 1 | 40 - 11KV LINE | | | | | | | | | | 22273263.3652 |
| 2 | 10 - Int. Processing 0010 | | | | | | | | | | 0 |



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

Estimate Number : E-2025-07-02-13-04-065

Activity No : 10

Activity Description : Int. Processing 0010

| | |
|---------------------------------|------|
| 3 % S & H Charges : | 0.00 |
| 3 % Contingencies on materials: | 0.00 |
| 10 % Estt. & General Charges : | 0.00 |
| Total : | 0.00 |



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

Estimate Number : E-2025-07-02-13-04-065

Activity No : 40

Activity Description : 11KV LINE

| S.No | Materials Code | Materials Text | Item Catagory | Quantity | Unit | Rate in Rs. | Amount in Rs. |
|----------------------|----------------|---|---------------|-----------|------|-------------|---------------------|
| 1 | MST00013 | MS Channel 75x40 mm | Stock item | 100.000 | KG | 64.90 | 6,490.00 |
| 2 | MST00032 | RS Joist 175x85mm | Stock item | 500.000 | KG | 71.96 | 35,980.00 |
| 3 | MST00002 | MS Angle 50x50x6 | Stock item | 50.000 | KG | 68.62 | 3,431.00 |
| 4 | MST00014 | MS Flat 50x6 mm | Stock item | 50.000 | KG | 66.67 | 3,333.50 |
| 5 | CBX10009 | 11KV Tree Retardant XLPE UG Cb 3x300Sqmm | Stock item | 4,000.000 | M | 1,699.09 | 6,796,360.00 |
| 6 | SCB10101 | 11KV 3X300 Heat Shble Str thr joint kit | Stock item | 12 | EA | 5,066.11 | 60,793.32 |
| 7 | SCB10102 | 11KV 3X300 Heat Shble out/d end ter kit | Stock item | 28 | EA | 2,457.06 | 68,797.68 |
| 8 | SCB10103 | 11KV 3X300 Heat Shble in/d end ter kit | Stock item | 28 | EA | 3,318.16 | 92,908.48 |
| 9 | BRK00001 | 11KV Ring Main Units 3 Way - RMU | Stock item | 3 | EA | 573,716.00 | 1,721,148.00 |
| Material Cost | | | | | | | 8,789,241.98 |
| S.No | Services Code | Services Text | Item Catagory | Quantity | Unit | Rate in Rs. | Amount in Rs. |
| 1 | SMR11488 | S-GI Bolts & Nuts,Washers etc., | — | 20.000 | KG | 117.50 | 2,350.00 |
| 2 | SWR10107 | EXCAVATION OF PIT (2.6" x 2.6" x 6.0") | — | 1 | EA | 700.00 | 700.00 |
| 3 | SWR10356 | Mass concreting of supports incl. cement | — | 1.050 | M3 | 6,579.00 | 6,907.95 |
| 4 | SWR10357 | ERECT. OF LINES-Providing of earthing | — | 4 | EA | 1,234.20 | 4,936.80 |
| 5 | SMR11485 | S-Earthing GI flat 25x3 mm incl material | — | 75.000 | KG | 105.00 | 7,875.00 |
| 6 | SWR23214 | Power Interruption Charges | — | 1,000 | KWH | 7.00 | 7,000.00 |
| 7 | SMR40132 | Supply of 120 Sqmm Aluminium lugs | — | 200 | EA | 12.52 | 2,504.00 |
| 8 | SWR11267 | Erect-12Meter Box pole | — | 1 | EA | 3,901.37 | 3,901.37 |
| 9 | SWR25244 | Road Cutting-BT in GHMC/R&B 2to6 any Run | — | 1,900.000 | M2 | 4,550.00 | 8,645,000.00 |
| 10 | SWR11973 | Lay-DR 11KV 3x300sqmm UG Cb HG/BC/CC/BT | — | 1,900.000 | M | 631.06 | 1,199,014.00 |
| 11 | SWR10391 | OD/Idoor end termination 11kv 3x300 xlpe | — | 56 | EA | 2,370.63 | 132,755.28 |
| 12 | SWR11119 | Testing of HT TVR Meter at site | — | 1 | EA | 246.00 | 246.00 |
| 13 | SWR10522 | UNLOADING of R.S. Joists 175 x 85 mm | — | 2 | EA | 50.00 | 100.00 |
| 14 | SWR10204 | LOADING of R.S. Joists 175 x 85 mm | — | 2 | EA | 76.00 | 152.00 |
| 15 | SWR10642 | Fabricate&Paint- 175x85/150x75mm RS Joist | — | 2 | EA | 512.55 | 1,025.10 |
| 16 | SWR10640 | Painting of RS Joist(1C RO, 2C | — | 2 | EA | 1,132.00 | 2,264.00 |



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|---|----------|--|---|---------|----|----------|---------------|
| | | Al.Paint) | | | | | |
| 17 | SWR21530 | Instal,site test & commn AMR hardware | — | 1 | EA | 350.00 | 350.00 |
| 18 | SWR25245 | Centage Chrgs-16.5% on SWR25212 | — | 100.000 | M2 | 750.75 | 75,075.00 |
| 19 | SWR11230 | Load-11/33KV XLPE UG Cable for all sizes | — | 14 | DR | 1,024.00 | 14,336.00 |
| 20 | SWR11231 | Unload-11/33KV XLPE UG Cable all sizes | — | 14 | DR | 1,024.00 | 14,336.00 |
| 21 | SWR12005 | Raise-DR 11KV 3x300sqmm UG Cb on support | — | 100.000 | M | 275.40 | 27,540.00 |
| 22 | SWR10664 | Erection of 11KV 3 Way RMU | — | 3 | EA | 2,051.48 | 6,154.44 |
| 23 | SWR10615 | LOADING of 11KV 3 Way RMU | — | 3 | EA | 907.80 | 2,723.40 |
| 24 | SWR10629 | UNLOADING of 11KV 3 Way RMU | — | 3 | EA | 907.80 | 2,723.40 |
| 25 | SWR20871 | Construction of plinth for 3way RMUs etc | — | 3 | EA | 6,000.00 | 18,000.00 |
| 26 | SMR11483 | S-CI Pipe earthing 80mm dia 2.75m long | — | 4 | EA | 2,789.00 | 11,156.00 |
| 27 | SWR10359 | ERECT. OF LINES-Providing of RCC collar | — | 4 | EA | 386.00 | 1,544.00 |
| 28 | SWR10386 | Straight through joint 11kv 3x300 xlpe | — | 12 | EA | 3,725.45 | 44,705.40 |
| Service Cost | | | | | | | 10,235,375.14 |
| GST 18% | | | | | | | 272,754.03 |
| GST 18% | | | | | | | 1,569,613.50 |
| 3 % S & H Charges : | | | | | | | 263677.26 |
| 3 % Contingencies on materials: | | | | | | | 263677.26 |
| 10 % Estt. & General Charges : | | | | | | | 878924.20 |
| Total : | | | | | | | 22273263.37 |

Copy to:

THE ASSISTANT ENGINEER/OPR/AE MIYAPUR

THE ASSISTANT DIVISIONAL ENGINEER/OPERATION/MIYAPUR SUB-DIVISION

THE DIVISIONAL ENGINEER/OPERATION/KUKATPALLY DIVISION

THE SUPERINTENDING ENGINEER/OPERATION/MEDCHAL CIRCLE

THE CHIEF ENGINEER/OPERATION/MEDCHAL ZONE

THE CHIEF ENGINEER/COMMERCIAL/CORPORATE OFFICE