

EASTERN POWER DISTRIBUTION COMPANY OF A.P. LIMITED
CORPORATE OFFICE :: VISAKHAPATNAM

Memo. No. CGM/O&CS/APEPDCL/VSP/DE/O&M/D.No.645 /10 Dt.30.03.10

Sub: APEPDCL – VSP - Electrification of Layouts – Discrepancies in the present procedure – Guidelines issued – Reg

* * *

1. The attention of all Superintending Engineers/ Operation and Divisional Engineers/ Operation is drawn to the subject matter.
2. The following are the drawbacks observed in the present procedure being followed for electrification of Layouts developed by Govt. Agencies / Private Developers.
 - a. The layouts electrified are remaining as they are for years together i.e., there will not be any construction activity of houses in the plots for many years and in some cases even for more than 10 years. Hence it is becoming difficult to safeguard the lines and equipment for such longer periods by APEPDCL. Theft of conductor, cross-arms, clamps etc. and DTR winding is a common problem faced and APEPDCL is bearing the loss.
 - b. The DTRs & Lines, though not being utilized and not yielding any revenue, are to be maintained by the APEPDCL for years together
 - c. There is no agreement between the developer and APEPDCL for maintenance of lines and equipment till the houses are constructed and supply is used by individual residents.
 - d. There is no restriction on the minimum no. of street lights to be provided in the layout, hence the developers are proposing one or two street lights for each new DTR erected, but the number of LT poles will be around 40 per DTR.
3. In order to streamline the procedure the following comprehensive guidelines are issued for Electrification of layouts
 - a. The developer shall register application in the CSC for electrification of the layout, duly submitting the following documents.
 - i. LT Application form duly filled in and signed by the owner/GPA holder of the layout.
 - ii. Proof of ownership (Registered sale deed (Or) General Power of Attorney given by the land owner(s)).
 - iii. The provisional layout approval given by the concerned Urban Development Authority shall be enclosed. If the layout is outside the jurisdiction of the UDA, then the provisional layout approval given by the Town & Country Planning Authorities shall be enclosed.
 - iv. Provisionally approved plan duly indicating the survey numbers, individual plot numbers, common areas and roads in the plan.
 - v. An undertaking that individual plots, common areas are clearly marked in the layout and necessary roads have been formed so that APEPDCL authorities can take up the field survey for preparation of the estimate.

- b. After registration of the application at CSC, the Assistant Engineer/Operation shall visit the layout within a week and prepare an estimate in EP-IMRS duly considering the following points.
- i. The probable load of the proposed plots shall be considered based on the plot size as given below:
 1. LIG or up to 150 Sq. Yds. - Minimum of 1 KW
 2. MIG or up to 250 Sq. Yds - Minimum of 2 KW
 3. HIG or above 250 Sq. Yds. - Minimum of 3 KW
 - ii. One street light point of 40 Watt shall be considered for every two LT poles erected.
 - iii. If the total probable load of the plots and street lights in the layout is equal to or more than 2 MW, a separate 11 KV feeder is to be laid from the nearby 33/11 KV Sub-station. This separate feeder is to be treated as Urban/ Rural feeder based on the geographical location of the layout regarding no. of Hours of 3-ph supply.
 - iv. If the total probable load of the plots and street lights in the layout exceeds 5 MW, a separate 33/11 KV Sub-station is to be proposed in the layout itself for which necessary space shall be provided by the developer free of cost.
 - v. New DTRs proposed in the estimate for layout electrification shall be of 63 KVA or 100 KVA capacity only. No other capacity shall be selected. The No. of DTRs to be proposed shall be decided such that the max. load on the DTR shall not exceed 150 KW for 100 KVA capacity and 95 KW for 63 KVA capacity.
 - vi. The new DTR shall be proposed on the load centre extending two LT circuits on both sides. The length of LT line shall not exceed 0.5 Km on each side.
 - vii. The LT line shall be with 55 Sq. mm conductor and 3-Ph 5-Wire line shall be proposed throughout the layout.
 - viii. If the developer requests for underground cabling, 3½ Core cable of suitable size shall be laid for individual plots and 2 core cable shall be laid for street lights. All safety measures shall be taken while proposing UG cable to avoid possible faults and accidents.
 - ix. One street light service shall be proposed for each DTR under LT Cat-II and one energy meter with box shall be included in the estimate.
 - x. LT TVR meter on the LV side DTR shall be included in the estimate for energy audit purpose.
- c. After preparation of the estimate, the competent authority shall sanction the estimate and intimate the developer about the charges payable. Apart from the estimate charges, the developer shall pay a **security deposit equivalent to 25 % of the estimate cost**, in the shape of DD. Along with payment of charges, the developer shall enter into an agreement with APEPDCL that they will safeguard the lines and equipment laid by APEPDCL. The agreement period will be 5 years or till 50% occupation of the proposed plots by the residents, whichever is earlier
- i. If 50% of the plots are not constructed and occupied by the residents within 5 years, the agreement period shall be extended

- for another 5 years or till 50% occupation by the residents whichever is earlier.
- ii. If any damage/theft of asset of APEPDCL is found during the agreement period, the same shall be replaced by the developer within 30 days of such occurrence/ reporting by APEPDCL. If the developer does not respond to such intimation from APEPDCL, the security deposit paid by the developer will be forfeited without any intimation and action will be taken to recover the additional cost, if any, towards loss sustained by APEPDCL as per the prevailing rules. However, the developer shall not be responsible for damages to lines and equipment due to natural calamities like cyclones, floods and heavy gale and wind.
 - d. The security deposit paid by the developer will not carry any interest and will be refunded to the developer only after completion of the agreement period mentioned above.
 - e. After receipt of full payment from the developer and after entering into the agreement, the work order shall be taken by the concerned Assistant Engineer and works shall be completed within the prescribed time lines.
 - f. The street light services (under Cat-II) taken by the developer shall not be utilized for other purposes. Separate services shall be taken for other than street light purpose, if any.
4. The aforementioned guidelines shall come into force with immediate effect and henceforth processing of all the pending layout electrification estimates as on date and future estimates shall be as per the revised guidelines only.

Sd/- B. RAMESH PRASAD
Chief General Manager/ O&CS
APEPDCL/ Visakhapatnam

To
All Superintending Engineers/ Operation
All Divisional Engineers/ Operation

Copy to all Asst. Divisional Engineers/ Operation

Copy to all Managers/CSC

Copy to the General Manager/ CSC – with a request to take immediate necessary action for modification of CSC software regarding documents to be attached while registering applications for layout electrification.

Copy to the General Manager/ IT– with a request to incorporate Security Deposit part also in intimation letters to layout developers for layout electrification sanctions

Copy to the Chief General Manager/ Comml, RA & Plg/APEPDCL/ Visakhapatnam

Copy submitted to the Director/ Operation/ APEPDCL/ Visakhapatnam

Copy submitted to the Director/ Projects/ APEPDCL/ Visakhapatnam

Copy to the CGM/Tech to the CMD/APEPDCL/ Visakhapatnam