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ORDER

Various orders have been issued regarding electrification of colonies, multistoried building and townships from time to time. Looking to the problems being faced in implementation of above orders and feedback received from field officers, following revised procedure is hereby prescribed for the same:

1. For Plotted Development (Colonies)

The norms for electrification of Colonies/Housing scheme developed by Private Builders/Developers/Housing societies and releasing permanent connection therein were prescribed vide Comml. AJ - 577 dated 15.04.2015 and further amended vide Comml. AJ - 578 dated 04.05.2015, 579 dated 04.05.2015 and 598 dated 01.12.2015. In supersession to previous orders, following revised guidelines are hereby prescribed for electrification of Colonies/Housing schemes (Plotted Development).

- 1.1 The estimated designed demand criteria shall be 2KW per 1000 Sq. feet of plot area for Domestic and 5KW per 1000Sq.feet of plot area for Non-domestic and 50% of the sum of the load so worked out of all the plots in the colony/housing schemes shall be taken as the estimated designed demand of colony. For converting KW to KVA, 0.9 PF shall be considered. The following design parameters shall be considered for preparation and approval of the electrification scheme of the colony-
 - 1.1.1. Provision of approximately 50% additional line DPs for creation of new 11/0.4KV Sub-station be kept for further expansions and location be identified accordingly at initial stage.
 - 1.1.2. The capacity of the transformer, cables and allied equipment shall be worked out by considering 1.3 times the estimated designed demand.

- 1.1.3. Individual distribution transformer capacity shall not be more than 315 KVA.
- 1.1.4. Maximum length of each LT feeder shall not be more than 250 meters.
- 1.1.5. The estimated designed demand and electrification voltage level of multistoried buildings shall be worked out in accordance with the relevant and prevalent orders.
- 1.2 All contiguous blocks of the colony shall be considered as a part of the colony for the purpose of computation of estimated designed demand.
- 1.3 The supply voltage level shall be corresponding to estimated designed demand and upto 1500 KVA supply voltage level shall be 11KV and for estimated designed demand more than 1500 KVA the supply voltage level shall be 33 KV. For electrification by developer/colonizer/Housing Societies at 33KV supply voltage level, a piece of land measuring 1000 square meter for colonies having estimated designed demand more than 1500 KVA shall be made available by the Developer/Colonizer/Urban Local Bodies free of cost for construction of 33KV/11KV sub-station. For making available land free of cost, the Developer /Colonizer shall be solely responsible. Similarly, in case if the estimated designed demand of any colony is more than 15MVA, land measuring at least 5000 square meter shall be made available free of cost for construction of 132KV Grid sub-station.
- 1.4 The scheme for electrification, keeping in view the estimated designed demand and distribution network shall be adjudged for technical feasibility i.e. if it is feasible from the existing 33KV (except feeder feeding Discoms sub-station) or 11KV line in the vicinity of the colony/housing scheme, the same shall be tapped by providing double pole structure with isolator/RMU. However, in case the scheme is not found technically feasible from the existing system, a separate 33KV or 11KV feeders be proposed from the nearby 33KV sub-station or 132KV, GSS (For working out technical feasibility, no diversity factor is to be taken in estimated design demand). In no case 33KV feeder feeding Discoms 33/11KV sub-station shall be tapped.
- 1.5 The primary distribution system shall be laid with 11KV overhead line(s) or by underground cable of suitable capacity. 11/0.4KV sub-stations shall be

