

**JODHPUR VIDYUT VITRAN NIGAM LIMITED**

No.JdVVNL/MD/CE(HQ)/SE(RA&amp;C)/JU/2011-12/D. 321 Dt. 19.04.11

**ORDER**

**Sub: Prescribing norms for electrification of Colonies, Housing Schemes developed by private builders/ developers and releasing connections therein.**

In accordance with the decision taken in DCF meeting held on dtd.10-02-2011, following revised norms are prescribed for electrification of colonies/housing schemes and releasing connections therein :-

1. The load design criteria shall be 2 KW per 1000 Sq. Feet of plot area for Domestic and 5 KW per 1000 Sq. Feet of plot area for Non-domestic and 50% of the sum of the connected load of all the plots in the colony/housing schemes shall be taken as the designed load alongwith other designed parameters in accordance with Comml.JDP/197, 214 and 224.
2. The supply voltage level as per designed load upto 1500 KVA shall be 11 KV and for more than 1500 KVA and upto 10 MVA shall be 33 KV. Connections of more than 10 MVA load shall be released on 132KV supply. P.F. 0.9 shall be considered for the purpose of converting MW to MVA.
3. The primary distribution system shall be laid with 11KV overhead line (s) or by underground cable of suitable capacity 11/0.4 KV sub-stations shall be erected pole mounted. For LT lines no bare conductor will be used and instead, 3 core 50 sq.mm./1 core 35 sq.mm. AB Cable or Insulated Rabbit conductor shall be used. For street light points separate AB cable shall be laid, if required, on the same supports.
4. The scheme for electrification keeping in view the designed load and distribution network shall be adjudged for technical feasibility i.e. if it is feasible from the existing 11KV or 33 KV 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, new 11 KV line(s)/33KV line (s) shall be drawn from the nearest 33KV sub-station or 132KV GSS so as to make the scheme technically feasible (keeping no diversity of load i.e. with unity Diversity Factor).

5. In order to achieve the technical viability, if 33/11KV S/S is required to be constructed or designed load is more than 5000 KVA land measuring upto 1000 sq. meter at the load centre, shall be made available to the Discom in the colony/housing scheme free of cost by the developer. If the designed load requires, construction of more 33/11KV S/S in the scheme, the land for the construction of additional sub-station (s) shall also be provided by the developers free of cost. The circle S.E. shall indicate such requirement while issuing technical sanction of the electrification of scheme. If the designed load works out to more than 10 MVA additional land measuring at least 3000 Sq. meter for construction of another 33 KV sub-station/132KV GSS will have to be made available by the developer/builder.
6. The cost of 33 KV network (line and sub-station) shall be borne by the Nigam while the cost of 11KV and LT network including cost of distribution transformers and sub station structure shall be borne by the developers.
7. The work of 33 KV Line and sub station shall be executed by the Nigam while work of 11KV/LT lines land work of 11 KV sub stations excluding installation of transformers shall be done by the developer. In this case 15% supervision charges for overhead work and 5 % supervision charges for underground cabling work shall be recovered by the Nigam.
8. The developer shall have to deposit the cost of 11/0.4 KV transformers with the Nigam at Store Issue rate plus usual over head charges. These transformers will be installed by the Nigam as per requirement.
9. In cases where the builders/developers are not coming forward to get the colonies/housing schemes electrified, the electrification shall be done by the Discom by collecting the prorata cost of electrification works for which there shall be no restriction of number of plots/load of the entire colony/housing scheme area. Thus, the intending consumer shall be given connection on depositing the prorata cost which shall be worked out on the basis of plot area of individual connection with respect to total plot area of the colony say for example there is a colony with total plot area of 20000 sq.ft. the estimated total cost of electrification(11KV Line, 11/0.4KV sub-




station and LT line) is Rs.5 lacs, then the pro rata cost recoverable from inhabitant would be computed as  $500000/20000=Rs.25$  per sq. ft. (Total plot area is the sum of area of all individual plots in the colony. Area of roads, gardens etc. will not be included in this area).

10. In case some connections have already been provided in colonies/housing schemes prior to issue of order Comml.JDP/454 and electrification is yet to be done, then balance connections shall be released on collecting prorata cost of actual expenditure incurred on electrification of the balance scheme (i.e. excluding area/plots already electrified). In this case, if 33 KV Sub Station is required to be created but land is not available free of cost, the same as per market value or actual expenditure incurred thereon, shall be added in the cost of electrification (excluding cost of construction of 33/11KV sub station).
11. Peace-meal electrification of colony is not allowed. Entire area of the colony (or remaining area in case some connections have already been released), as approved by the competent sanctioning authority shall be considered while preparing estimate for electrification of the colony and estimate so prepared and approved shall be considered for computing pro-rata cost chargeable from individual applicants.
12. If any building complex/multi-storied building, large building built/developed in colony/housing scheme area, requires its connection/electrification, the same shall be dealt with separately as if it is not a part of the scheme and shall be electrified as per provisions applicable in Discoms for electrification of building complex/multi storied building/large building. However, for the purpose of calculation of load for electrification, it will be considered as part of the colony.

The above design criteria and procedure shall also be applicable to colonies/housing schemes developed by RHB/UITs/Development Authorities, RIICO etc. as well.

By order,



(D.C. BHURAT)

CHIEF ENGINEER(HQ)

JODHPUR DISCOM:JODHPUR

Note: The order is also available on Jodhpur Discom's website [www.jdvvn1.com/www.rajenergy.com](http://www.jdvvn1.com/www.rajenergy.com)

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- 2) The District Collector, Jodhpur / Pali / Barmer / Churu / Jalore / Sriganganagar / Hanumangarh / Bikaner / Sirohi.
- 3) The Director (Finance), Jodhpur Discom, Jodhpur.
- 4) The Director(Technical), Jodhpur Discom, Jodhpur.
- 5) The Zonal Chief Engineer (O&M-JDZ/BKZ), Jodhpur Discom, Jodhpur/ Bikaner.
- 6) The Chief Accounts Officer(A/cs & Rev /IA /Ways & Means), Jodhpur Discom, Jodhpur/Jaipur.
- 7) The T.A. to Chairman & Managing Director, Jaipur Discom Jaipur, for kind perusal of the Hon'ble C&MD.
- 8) The T.A. to Managing Director, Jodhpur Discom / Ajmer Discom, Jodhpur / Ajmer, for kind perusal of the Hon'ble MD.
- 9) The Superintending Engineer (CC / DC / O&M / BFL / PP&M / TW / M&P/ MM&C/ RDPCC), Jodhpur Discom, Jodhpur / Pali / Barmer / Churu / Jalore / Sriganganagar / Hanumangarh / Bikaner / Jaisalmer/Jaipur.
- 10) The Personal Secretary to Energy Minister, Secretariat, Jaipur for kind perusal of Hon'ble Energy Minister, Govt. of Rajasthan, Jaipur.
- 11) The O.S.D. (Monitoring), Govt. of Rajasthan, Jaipur.
- 12) The TA to Ombudsman, Vidhyut Viniyamak Bhawan, Sahakar Marg, Near State Motor Garage, Jaipur, for kind perusal of Ombudsman.
- 13) The Addl. S. P. (Vigilance), Jodhpur Discom, Jodhpur. With spare copies for distribution amongst vigilance officers.
- 14) The Sr.Accounts Officer/Accounts Officer (O&M-CC / DC / Comml. / Audit/ Rev), Jodhpur Discom, Jodhpur / Bikaner.
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- 16) The Executive Engineer (O&M/DD...../A-B-C-Zone/City-I-II/ LC/ MIS/ DSM/ IA/ Training/Vigilance/C&R), Jodhpur Discom,..... .
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**CHIEF ENGINEER(HQ)**  
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