



No./JPD/MD/SE (TW)/XEN(TW)/F. Ag. Feeder/ D. 6099 Dated 25/2/2021

**Sub: - Guidelines for segregation of existing 11 KV feeders.**

It has been observed that various directions were imparted from time to time in past for segregation of 11 KV Ag. feeders to ensure reliable and quality power supply to Ag. Consumers, but same are not properly complied by field officers and their is lack in adhering uniform procedure/norms.

In view of above, to streamline the procedure and to maintain uniformity, following guidelines are hereby issued for creation of dedicated 11 KV Ag. feeder by segregation of existing 11 KV feeder-

- (i) 11 KV dedicated rural/urban, Industrial, PHED and 11 KV Rural block supply feeders having Ag connections upto 25 nos. are not to be considered for segregation work.
- (ii) The SLDs shall be prepared with GPS coordinates and clearly mentioning existing and proposed 11 KV line with two separate colours, for the sake of comfort in identification. ROW constraints be also mentioned, if any.
- (iii) The detailed estimates shall be prepared consisting of estimates for Bay extension at 33/11 KV S/S, Erection of new 11 KV line and for dismantling of material.
- (iv) 11 KV feeders erected for providing 24 hours supply for villages having population 3000 and more under DDUGJY are to be used as Non Ag feeders and 11 KV single/three phase spur lines feeding to Non Ag load coming in the way are also to be connected to it.
- (v) New 11 KV Feeder created may be used as 11 KV Ag. or non Ag. feeder depending upon site conditions and economy, which shall be jointly decided by XEN(DDUGJY) with AEN(O&M).
- (vi) 11 KV feeder separation work shall be carried out invariably by adopting overhead line system using ACSR Rabbit conductor with 60 meter span on 9 meter 200 kg PCC poles, for the sake of loss reduction and to meet increasing load demand.
- (vii) Keeping in view space constraints at 33/11 KV S/S in creating new 11 KV bays for proposed 11 KV Non Ag. Feeders, such 11KV feeders may be clubbed outside of S/S, if total load of clubbed feeders be within permissible limits. In exceptional cases, 11 KV cable may be used only while O/H line erection for clubbing such feeders be not technically feasible.
- (viii) LT line shall be erected through AB cable instead of bare conductor.

- (ix) To avoid the chances of mal practice and theft, single phase DTs installed for releasing domestic connections are to be shifted at least from 100 to 200 meters away from existing 3 phase DTR as per site conditions and existing DL connection on such DT shall be fed through armoured single phase AB cable/service cable.
- (x) The compliance of the CEA (Measures relating to safety and electric supply) Regulations, 2010 and the CEA (Safety requirements for construction, operation & maintenance of electrical plants and electric lines) Regulations, 2011 with latest amendments must be strictly adhered by field officers and contractors to ensure safe clearances to avoid incidences of electrocution.
- (xi) Crossing span of electric lines shall be done through 11 KV XLPE insulated Rabbit conductor, preferable to single phase line.
- (xii) Switch over of Ag. Consumer from 11 KV Ag. Feeder to Non Ag. Feeder at its own by tapping the line unauthorised/illegally, shall be considered as an offence under Electricity Act Section 135 and 138.
- (xiii) After segregation of Ag. and non Ag. load, both the 11 KV feeders will be given three phase supply, as per provisions.
- (xiv) Green colour strip shall be painted on all support poles for identification of 11KV Ag. & Red strip for Non Ag. feeder.

All concerned are advised to strictly adhere to the guidelines.

*Navin*  
**(Navin Arora)**  
**Managing Director**

Copy submitted/ forwarded to the following for information and necessary action.

1. The Zonal Chief Engineer (J/Z / K/Z / B/Z), JPD, Jaipur/ Kota/ Bharatpur.
2. The Additional Chief Engineer (PPM/HQ), JPD, Jaipur..
3. The Superintending Engineer (JPDC/O&M/RE/Plan), JPD, Jaipur/ Kota/ Bharatpur/ Jhalawar/ Tonk/ Baran/ Bundi/ Alwar/ Sawaimadhopur/ Dausa/ Dholpur/ Karauli for compliance.
4. The TA to Managing Director, JPD, Jaipur .
5. The TA to Director (Tech.), JPD, Jaipur.
6. The Executive Engineer (DDUGJY), JPD, Jaipur/ Kota/ Bharatpur/ Jhalawar/ Tonk/ Baran/ Bundi/ Alwar/ Sawaimadhopur/ Dausa/ Dholpur/ Karauli for compliance.

*(A)*  
**Superintending Engineer (TW)**