

TANGEDCO

From
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To
All the Chief Engineers / Distribution

Lr.No: CE/RAPDRP/SE/Scheme/EE/Uday/AEE2/F.AGL&HUT / D.94/ 17 dt. 30.12.17

Sir/Madam,

Sub: Agriculture services under category Tariff IV- to update sanctioned load details as per actual load – certain instructions /guidelines –Reg.

Ref: CMD Note approval dated 14.12.2017

In the reference cited above, approval has been accorded by CMD/TANGEDCO for updation of sanction load of agriculture services (under category Tariff IV) available in the office records with actual loads without causing any inconvenience to the concerned consumers.

Under UDAY, IPDS and DDUGJY schemes, the MoP / GoI is insisting for a reduction of AT&C loss from the base line figure of 14.58% for the FY 16 to 13.5% for the FY 19. Quarterly AT&C loss reports are required to be submitted in the UDAY portal based on the input energy and power sold which includes agriculture consumption also.

The computed consumption of agriculture services are arrived based on sample meter readings available in respective EDCs. The sample readings thus taken are used with respect to their connected load for arriving at per HP consumption in that circle.

Due to depletion of ground water level, the farmers are forced to replace their pumps of original sanctioned load with higher capacity motors. Hence there is a huge difference between sanctioned load in the records of TANGEDCO and the actual load available at the agriculture services. In view of the above, true/actual connected load details connected in a distribution transformers is not revealed. While sanctioning new loads, new services are given without augmenting the necessitated improvement in the network. This results in overloading of the existing distribution transformers and HT/LT lines ultimately leading to frequent failure of distribution transformers and power

interruption to agriculture services connected in that feeder. Also, the computed consumption thus arrived based on the sanctioned load available in the records of TANGEDCO is much lesser than the actual consumption.

Hence, a need has arisen for updation of sanction load of agriculture services (under category Tariff IV) available in the office records with actual loads without causing any inconvenience to the concerned consumers. In this regard, the following instructions are issued :-

1. The actual load of the agriculture services (under tariff IV) has to be assessed by the concerned section officers, without causing any inconvenience to the consumers.
2. The input power of the motor is to be assessed either by connecting digital meter or a clamp on power meter. The clamp on power meter (with clamping on one of the three phase and connecting the potential wires to voltage terminals) is preferable for the practical purpose. All parameters of the clamp on meter like, KVA, KW, KVAr, Voltage, current etc have to be documented. The KW MD so recorded will be recorded on the actual load, by dividing the same by 0.746 and arriving in terms of HP.
3. If the actual load is more than the sanctioned load for a agriculture services (under tariff IV), then updation of sanction load has to be carried out by the concerned section officer after obtaining approval from the competent authority.
4. The load updation need not be done in the restricted area nearer to river, canal etc as per GOs issued already.
5. Executive Engineer shall be the competent authority to approve the updation of sanction load which will be reckoned as sanctioned / contracted load for all purposes.
6. The revised sanctioned load has to be updated both in the official records and in the respective software packages (both in the URL "192.168.150.66:8080/cc/agl" and LT billing software).

7. After updating the sanctioned load, the total actual capacity of distribution transformer and its total connected load has to be estimated after ensuring the completeness of 100% consumer indexing in the concerned DT.
8. If the distributed transformer is overloaded (i.e more than 70%), then reduction of load has to be carried out either by bifurcation of load or erection of new DTs or by necessary improvement work under various schemes.
9. Software issues /error that may arise in the software packages has to be resolved immediately by the senior managers of the respective circle by coordinating with the Headquarters IT wing.
10. The existing defective meters in sample metered agricultural services are to be replaced by healthy meters.
11. Region & Circle officers who are responsible for furnishing the quarterly agriculture returns to the various wings of headquarters are requested to monitor the progress of above work and to ensure that the load revision is being carried out without causing any inconvenience to the consumers.
- 12. The above exercise is to be done using clamp on power meters. If clamp on power meter is not available arrangements may be made to procure the same immediately.**
13. A completion report on the updation of sanction load has to be sent to the headquarters by email (seschemes@tnebnet.org) on or before 28.02.2018

The updation of sanction load of agriculture services (under category Tariff IV) with actual loads is very much essential in order to assess the actual agriculture load connected and thereby the power interruption to agriculturists due to overload could be avoided and thereby improve the efficiency of network and ensure scientific energy accounting.

Hence, the Superintending Engineer / EDCs may be instructed to update the sanctioned load with the actual load connected at the agricultural services by deputing the concerned section officers and checking the connected load details without causing any inconvenience to the agriculture consumers. It is **also requested to instruct the**

concerned SE's / EDCs to send a completion report on the updation of sanction load of agriculture services to headquarters by email (seschemes@tnebnet.org) on or before 28.02.2018.

..Sd.. / 30.12.2017
Chief Engineer/RAPDRP
For Director/Distribution

Copy to CE/IT (It is requested to make necessary software modification in the respective software package so that the updation of sanction load of agriculture services consumers shall be carried out without any software issues).

Copy to CE/Planning & RC

Copy to CFC/Reg. Cell

Copy to SE/Computer center (Data Cell)

Copy to all SE/EDCs by Email