



TAMIL NADU ELECTRICITY CONSUMERS' ASSOCIATION

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TECA:2022-23:CIR/55

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To All Members

CIRCULAR

Dear Members,

Sub : Methodology for Measurement of Harmonics- Detailed instruction provided by TANGEDCO

Ref: TANGEDCO Memo No.CE/Coml/SE/EE3/AEE2/F-C-Harmonics /D./FLM/CM/380/2022, dt.02-01-2023

Tamil Nadu Government Gazette No. 38 dated 21.09.2022 notifying the Amendment made to the Regulation (4), in Sub Regulation (1) for clause (iv) of TN Electricity Supply Code 2004.

By the way of amendment to supply code, TNERC makes fresh obligations to all consumers and Prosumers connected to Electrical System at 11KV, 22KV, 33KV and above Charging Stations for new Harmonic Controls as per IEEE 519-2014 Standard.

Based on the above Amendment TANGEDCO has issued detailed instruction to concern officials on Methodology for Measurement of Harmonics vide Memo No. CE/Coml/SE/EE3/AEE2/F-C-Harmonics /D./FLM/CM/380/2022, dt.02-01-2023.

TANGEDCO'S instruction is as under.

1. Measuring of Harmonics shall be a continuous Process.
2. Measuring will be at the Point of Common Coupling of the installation.
3. Harmonics limits shall be in accordance with Standard IEEE 519-2014 as amended from time to time.
4. Notice will be issued to all HT/EHT consumers to provide adequate harmonic suppression equipments to avoid dumping of harmonics beyond the limits as specified in the IEEE 519-2014 Standard, failing which the consumer is liable to pay the compensation charges as specified in the TNERC Regulations.
5. If the measured values exceed the limits, a notice will be issued to the consumer/prosumer by the TANGEDCO to install adequate harmonic filters within 6 months.

6. If the consumer fails to bring the harmonic currents within the limits specified in the IEEE 519-2014 Standards, TANGEDCO will levy penalty for the subsequent 6 months (totalling 12 months) and thereafter supply of the service will be disconnected in case of noncompliance (even after the said 12 months) after issuing 30 days disconnection of supply notice.
7. The levying of penalty will be stopped by TANGECO upon installation of filters and testing by the TANGEDO if it is harmonic currents are brought within the limits specified in IEEE standards.

With warm Regards

N. Pradeep
President

Encl:

1. TANGEDCO Memo No. CE/Coml/SE/EE3/AEE2/F-C-Harmonics /D./FLM/CM/380/2022, dt. 02-01-2023
2. Tamil Nadu Government Gazette No. 38 dated 21.09.2022
3. IEEE 519-2014 Standards

Please find the attachment in Encyclopaedia of our website.