

CE/Testing/Transformer Capacity/HT Cons/ 10190

Date: 12/04/2019

**CIRCULAR**

**Sub:- Stipulation of Transformer Capacity while load sanction in respect of HT consumers.**

In context to the above it is to mention that a Transformer is a static device; it only have electrical losses i.e. Core/Iron losses (Hysteresis and eddy Current) and Copper losses ( $I^2R$ ). As the KVA rating of the transformer increases the load losses of the same increases. Bureau of Energy Efficiency vide quality control order 2015 have made compulsory to manufacturer to design transformer having Energy Efficiency level I,II,III where losses are fixed.

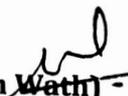
In this connection, it is observed that some of the O&M Circles are stipulating the Commensurate Transformer capacity to be installed by the HT consumers in the Load Sanction letter while sanctioning the fresh load or in case of enhancement/reduction of Contract demand. However, it is observed that they are insisting consumers to install or replace existing transformer with the stipulated capacity transformer for release of supply. This condition is definitely in the interest of the nation considering the loss of the higher capacity transformers(though born by consumer) installed against the commensurate capacity. However, in some cases this clause is causing an hindrance & financial burden in his future expansion plan of HT consumer.

In this connection, Competent authority has directed in the matter as follows:-

"The choice of selection of transformer capacity should be with the HT consumer. In load sanction letter you may suggest the adequate standard capacity considering the connected load of the consumer however HT consumer shall not be insisted to install stipulated capacity Transformer."

This circular shall come in force with effect from the date of issuance.

(As per mailing list)

  
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