

**CIRCULAR NO-09**

**Sub: Utilizing dry type resin cast Metering/protection CTs &PTs and stoppage of oil filled CTs/PTs in r/o MSEDCL's HT consumer and Substations thereof.**

As per the metering guidelines issued vide circular no. DO/Metering Guidelines/21194 dated 21/07/2006, compact metering kiosk/cubicle having indoor dry type resin Cast CTs and PTs have been adopted in MSEDCL for HT consumer's metering.

Recently, vide Testing Circularno-6 dated 25/02/2020 it is informed that- "In case of outdoor type installation, it is Consumer / Generator's choice to install oil cooled or dry type CT/PT of MSEDCL approved specifications /vendors."

At present in MSEDCL the outdoor type CTs and PTs are installed and working in case of consumers already in service; further in MSEDCL substations, there are outdoor type oil cooled CTs/PTs except in few cases (newly commissioned S/stn. under RAPDRP, IPDS and DDUGJY schemes). In this regard it is to mention that complaints are repeatedly being received from field offices regarding frequent failure of outdoor type oil cooled CTs and PTs which are being used for HT consumers as well as in MSEDCL substations.

As per the report submitted by TQA Circles about 186 nos. of outdoor type CTs and 07 nos. of outdoor type PTs are failed during the year 2019-20 till date. The oil cooled CTs and PTs are having issues like handling, oil leakage, rusting, gasket damage, high maintenance cost etc. due to which service life is also less and safety issues are also there. Whereas resin cast CTs/PTs offers great reliability and ease of handling, compact design, no fear of oil leakage and safe as compared to oil cooled CTs/PTs.

In view of above, the competent authority has directed to replace existing **failed** oil cooled CTs/PTs by outdoor dry type resin cast CTs/PTs or by cubicle in respect of existing HT consumers having outdoor type oil cooled CTs/PTs, as well as in MSEDCL Substations.

Henceforth, no oil cooled CTs and PTs shall be installed for MSEDCL's HT consumers and at MSEDCL's Sub-stations.

These guidelines shall not be applicable in r/o Generators. For Generators the guidelines issued vide Testing Circular no-6 dated 25/02/2020 shall remain applicable.

This circular shall come in force with effect from the date of issuance. This circular is available on MSEDCL website i.e. [www.mahadiscom.in](http://www.mahadiscom.in). So hard copy of the same shall not be issued.

  
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