

Ref no: CE/MMC/MSC-II/CAT C1/ Circular /28124

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**CIRCULAR**

**Sub: Installation of Category C1 meters for Feeder Metering**

In MSEDCL non DLMS/Category A meters are being utilized for Feeder Metering in substations for Energy Audit purpose wherein only instantaneous data and load survey data is available. Further it is observed that Category B (Boundary meters having import and export billing parameters) meters also are utilized in various ongoing projects for Feeder Metering in Substations.

While employing above meters, following difficulties are observed for feeder metering in substations.

1. Non availability of monthly billing data
2. Difficulty in uploading of MRI data in MDAS
3. kWh reading after auto reset of MD at 00.00 Hrs is not available

The amendment no.2 to IS 15959/2011 specifies that Category C meters can be used in place of Category A meters and meters complying for Category C shall be deemed as complying to Category A also. Further, **the billing profile parameters of Category C meters are also applicable for Category A meters.**

Further vide amendment no. 3 of IS 15959/2011, Category C meters are further subdivided as below mentioned nomenclature:

Meter category	Metering Purpose
C1	HT(PT/CT operated) and LT (CT operated) consumer meters
C2	3 Phase 4 Wire Whole current/Direct connected consumer meters
C3	Single phase whole current consumer meters

In view of amendment no. 3 as above, **Category C1 meters can be used as Category A meters for feeder metering in substations.**

Therefore, in order to have uniformity throughout the state, following guidelines should be followed scrupulously by Field Engineers while installation:-

1. Category C1 type meters shall be used for substation/outgoing feeder metering. Existing Category A meters and Category B meters installed for outgoing radial feeder metering at substations shall be replaced by Category C1 meters on top priority in time bound manner and for on going projects, Category C1 meters shall be invariably utilized instead of Category A and Category B meters.
2. The Category B (Boundary meters) meters having import and export billing parameters shall be utilized for cross over points of ring feeders where the supply is multi-directional.
3. For 11 kV/22 kV cross-over points where the supply is unidirectional, Category C1 meters shall be invariably utilized.
4. Further, the Category A and Category B meters already installed in substations for feeder metering and which are in guarantee period be informed to MM Cell with all details.

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

  
Chief Engineer (MM Cell)