MAHAVITARAN
Maharashtra State Electricity Distribution Co. Ltd.
(A Govt. of Maharashtra Undertaking)
CIN: U40109MH2005SGC153645

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CE/Testing/Metering Circular/ No 01421 **CIRCULAR** **Date:** 12 JAN 2026

Sub: Guidelines regarding installation of PQM for existing as well as prospective (Designated) HT consumers.

Ref:
1) MERC Supply Code and SoP of Distribution licensees including Power Quality Regulations-2021.
2) MoM of Review Meeting of Hon'ble CMD sir dtd. 03.09.2025.
3) DMS No: F-2025011083/2025 Dt.25.09.2025 approved on 07.10.2025
4) CE (Testing & QC)/ MSC-II/32983 Dt. 09/10/2025.
5) This office email dtd. 19/12/2025
6) PQM Installation Committee Report-SE (TQA)/Pune/T/526 Dt 22.08.2025

As per MERC Supply Code and SoP of Distribution licensees including Power Quality Regulations-2021 section 22.15 under Electricity Act 2003 "The designated consumer(s) shall install Power Quality Meter at Point of Supply and share the recorded data thereof with the distribution licensee as per communication architecture specified by the Distributions licensee". The definition of designated consumer is mentioned herewith for ready reference as "The **Designated Consumers** means the consumers using or engaged in any of the following process i.e. Arc Furnace, Induction Furnace, Iron and Steel, Aluminum, Textile, Paper and Pulp, Chlor-Alkali, Petrochemicals, Cement, Pharmaceuticals, IT/ITES, Airports, Malls, Hotels, Banking, Railways/ Metros or as may be specified by the MERC from time to time and connected at supply voltage of 11 kV and Above".

Accordingly, notices in the matter are already issued to designated HT consumers (Total 6636 Nos) through their bills. It is instructed to install PQM at their cost at point of supply. The competent authority has given approval vide ref (3) for updation of Technical Specification of 11 KV Indoor/Outdoor & 22 KV, 33 KV Outdoor HT Metering Kiosk for installation of PQM along with billing meter to all **Prospective HT Consumers**, henceforth. The updated Technical Specifications for the metering cubicle (Horizontal & Vertical Type) is available on MSEDCL website. Further the same are provided to all vendors for supply of cubicle to all prospective HT consumers as per revised specifications.

Similarly, for existing metering cubicle, the competent authority vide ref (2) has given the following instructions "For installing PQMs at **Existing Consumer's** locations, consider the proposed design of placing the PQM below the metering chamber. This requires a separate box for the PQM and a tamper-proof arrangement for the wire harness inside the cubicle." Accordingly as per instructions, the modified design for metering cubicle (Horizontal and Vertical) and CT connection drawing are attached herewith as Annexure-I, Annexure-II, Annexure-III respectively.

The modifications in existing cubicle as per annexures are to be done in case of designated consumers only to whom PQM installation is mandatory.

For prospective HT consumers (Designated & Non-Designated), the metering cubicle shall be utilized henceforth as per revised specifications uploaded on MSEDCL website; however it is to clarify that PQMs are mandatory to designated consumers only.

This circular is available on MSEDCL website i.e. www.mahadiscom.in. So hard copy of the same shall not be issued.

Yours Faithfully,

Dr. M. G. Wath
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ANNEXURE –I

Modifications arrangement for Existing Horizontal Metering Cubicle



ANNEXURE –II

Modifications arrangement for Existing Vertical Metering Cubicle



ANNEXURE –III

CT Connections in Cubicle Box

