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Circular

Sub: Implementation of Updated Technical Specifications of Energy Efficiency Level-II (EEL-II) Distribution Transformers and Stoppage of Energy Efficiency Level-I (EEL-I) Distribution Transformers.

Maharashtra State Electricity Distribution Company Limited (MSEDCL) supplies power to approximately 2.93 crore consumers across the State. The power supply is distributed through Sub-Stations and Distribution Transformers (DTs) at load centers, which play a critical role in ensuring efficient electricity distribution.

Currently, MSEDCL procures three-phase, 11/0.433 kV & 22/0.433 kV Distribution Transformers of various capacities (16 kVA to 1000 kVA) with Cold Rolled Grain Oriented (CRGO) Core and Energy Efficiency Level-I (Star-1).

A review of technical specifications was conducted at the Corporate Level to minimize distribution losses and improve efficiency. As a result, it has been decided to implement Energy Efficiency Level-II (Star-2) Distribution Transformers with enhanced technical specifications.

Considering the above, MSEDCL has approved the procurement of Energy Efficiency Level-II (EEL-II) Distribution Transformers instead of the existing Energy Efficiency Level-I (EEL-I) Distribution Transformers.

Guidelines for Implementation:


- 1. Implementation of Updated Technical Specifications:** The updated Technical Specifications of Energy Efficiency Level-II (EEL-II) Distribution Transformers shall be implemented in MSEDCL with immediate effect and available on MSEDCLs website www.mahadiscom.in.
- 2. Utilization of Existing EEL-I Transformers:** EEL-I Distribution Transformers shall be utilized only for ongoing projects for which LOAs are already issued.
- 3. New Procurement Restrictions:** No new orders shall be placed to any manufacturer for the production or procurement of EEL-I Distribution Transformers.
- 4. Vendor Approvals & Extensions:** Vendor approvals or extensions shall not be granted for EEL-I Distribution Transformers, except for manufacturers with existing orders before the issuance of this Circular. Such approvals shall be valid only till 30th June 2025.
- 5. Procurement from 1st July 2025:** From 1st July 2025, procurement of EEL-I Distribution Transformers shall be strictly discontinued, except for ongoing MSEDCL projects (if any) as enumerated in Sr. no. 2 above.

6. **Exclusive Procurement of EEL-II Transformers:** Henceforth, only EEL-II Distribution Transformers shall be considered for all the projects / works by MSEDCL or by consumers. Accordingly DPRs / estimates shall be prepared by field officers.

All concerned departments, field offices, and manufacturers are directed to comply with these guidelines. Any deviation from these instructions shall be viewed seriously and responsibility shall be fixed upon concern officer.

This Circular is issued with the approval of the Competent Authority.

This Circular is also available on www.mahadiscom.in.


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