

Mr. Abhishek Sharma
Director
Bureau of Energy Efficiency
4th Floor, Sewa Bhawan
R K Puram
New Delhi – 110 066

Sub: AITMA Recommendations for Improving the Efficiency of Distribution Transformers

Dear Mr. Sharma,

We refer to the email from the Bureau of Energy Efficiency seeking insights on enhancing the operational efficiency of Distribution Transformers.

In response, the All India Transformer Manufacturers Association (AITMA) is pleased to provide the following recommendations to improve the efficiency and extend the operational life of Distribution Transformers:

1. **Balanced Loading:** Ensure balanced loading of Distribution Transformers to minimize stress on individual phases and enhance performance.
2. **Quality Assurance:** Maintain high-quality standards for fittings and gaskets to prevent leakage and ensure reliability.
3. **Scheduled Maintenance:** Adhere to a Standard Operating Procedure (SoP) for routine maintenance to ensure optimal functioning.
4. **De-moisturisation:** Conduct annual de-moisturization to prevent moisture accumulation, which can degrade insulation and reduce efficiency.
5. **De-sludging:** Perform de-sludging every five years to remove sludge and other contaminants, thereby maintaining transformer performance.

We trust these measures will contribute significantly to the operational efficiency and longevity of Distribution Transformers. Please feel free to reach out for further discussions or clarifications.

With warm regards,

Sudeep Sarkar
Director General
All India Transformer Manufacturers Association (AITMA)