



# ALL INDIA TRANSFORMERS MANUFACTURERS ASSOCIATION

(REGISTERED UNDER SOCIETIES ACT; REGISTRATION No. : 02950)

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AITMA/2024/05  
23rd October 2024

Mrs. Pravatanalini Samal  
Director  
Bureau of Energy Efficiency  
4th Floor, Sewa Bhawan  
R.K.Puram  
New Delhi – 110066

Dear Mrs. Samal,

Reg: Technical Committee meeting, held on 24th May 2024, under the chairmanship of Mr. Ajay Tiwari, Additional Secretary, Ministry of Power

All India Transformers Manufacturers Association (AITMA) is the apex body representing the Indian transformer and allied industries. Established in 2017, AITMA represents over 75% of transformer manufacturers, playing a crucial role in developing the power infrastructure of our country.

We are writing with reference to the Technical Committee meeting, held on 24th May 2024, under the chairmanship of Mr. Ajay Tiwari, Additional Secretary, Ministry of Power, on the proposed amendments in the existing star ratings of Distribution Transformers by the Bureau of Energy Efficiency (BEE).

The following major decisions were taken in the meeting:

- (1) More discoms may be included in the future Technical Committee meetings of BEE.
- (2) Involve IITs to do the independent study analysis on the payback period and analyze the cost implications due to any upgrade in the ratings table of distribution transformers before finalizing the same.

A copy of the minutes of the meeting is attached for your ready reference.

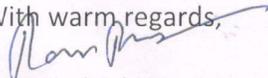
Based on the above decisions, the Central Electricity Authority also issued an advisory to BEE that any amendment in existing star rating of Distribution Transformers, without an

independent and proper study be withdrawn presently and the actions be taken by BEE on the decision taken in the meeting, held in Ministry of Power, on 24th June 2024.

In view of the same, we request your good offices to kindly update us on the status of the compliances based on the decisions of the said meeting and the withdrawal of amendment in the existing star rating of Distribution Transformers.

We look forward to your early response in the matter.

With warm regards,

  
Ram Prakash Gupta  
Addl. Director General  
AITMA

Copy to: Mr. Karam Chand, Director, Ministry of Power



No. 10/8/2022-EC(pt1)  
Government of India  
Ministry of Power

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F-wing , 2nd Floor, Nirman Bhawan,  
New Delhi, dated 5th June, 2024

To,  
The Director General,  
Bureau of Energy Efficiency,  
Seva Bhavan, 4<sup>th</sup> Floor,  
R.K Puram, Sector-1,  
New Delhi - 110066.

**Sub: Minutes of the meeting held on 24th May, 2024 under the Chairmanship of Additional Secretary (EC), Ministry of Power on reference received from All India Transformer Manufactures Association (AITMA) - reg.**

Sir,

I am directed to forward herewith copy of approved minutes of the meetings held under the Chairmanship of Additional Secretary (EC) on 24th May, 2024 on reference received from All India Transformer Manufactures Association (AITMA) for information and further necessary action.

**Encl: As above**

Yours faithfully,

*(Signature)*  
05.06.2024

(Saket Kumar Sinha)  
Under Secretary to the Govt. of India  
Tel . No. 011-23061623

**Minutes of the meeting held on 24th May, 2024 under the Chairmanship of Additional Secretary (EC), Ministry of Power on reference received from All India Transformer Manufactures Association (AITMA) - reg.**

At the outset, the Chair welcomed all the participants. Thereafter, Smt. P. Samal, Director, BEE gave an overview of the related issues followed by the comments/suggestions from all other members.

2. List of participants is enclosed as Annex-I
3. The representative from AITMA suggested that there should be two different star rating tables for Cold Rolled Grain Oriented Steel (CRGO steel) core and amorphous core distribution transformers (DT). It was further suggested that values of total losses at 100% loading may be reduced in case of common star rating table is implemented for both the materials.
  - (ii) AITMA further suggested that in the absence of adequate testing facility for the type testing of DT, the validity of type test should be increased from the existing validity period of 5 years until some design parameter is not changed
  - (iii) AITMA also suggested to include various distribution companies (DISCOMs) in the discussion of the technical committee meetings.
  - (iv) AITMA also raised the issue of larger carbon footprints by the higher efficiency rating transformers due to the material used in its manufacture.
  - (v) AITMA also suggested to request IITs to do the independent analysis on the payback period and cost implication due to up-gradation in the star rating table.
4. The representative from ITMA intimated that DT's can be manufactured using both CRGO and amorphous material. ITMA supported the proposal for 2-star up-gradation of existing star rating table for DTs and intimated that States like Haryana, Punjab, Assam and Chhattisgarh are purchasing 2-star rated DT's and Andhra Pradesh is purchasing 5-star rated DT's.
  - (ii) ITMA also highlighted that there is no issue in the availability of the amorphous material for manufacturing DTs. Regarding the cost implication issues, ITMA stated that there is not much difference in specific transformer price in various states quoted by DISCOMs. Further, ITMA expressed their disagreement with the different star rating tables for different transformer core material.
5. The representative from BIS intimated that the energy efficiency tables for transformer were incorporated in IS 1180 (Part 1): 2014. in alignment with BEE's star rating table. It was mentioned that type test report is a mandatory requirement for

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05.06.2024

providing license to the transformer and further informed that the inclusion of superior graded CRGO steel material under BIS standard is to be decided by Ministry of Steel

6. The representative from CEA intimated that BEE may consider the cost implications while proposing for up-gradation in the star rating table for the DTs. CEA also suggested to extend the existing star rating table without any changes so that the present RDSS scheme and other programs will not be impacted.

7. The representative from BEE intimated that the decision to up-grade the star rating table was discussed with all the transformer manufacturing associations and committee members during the Technical Committee Meeting. All the associations including AITMA were agreed to the up-gradation of 1 star in the existing star rating table for DTs.

(ii) It was further informed that the up-gradation was happened only once over 15 years of mandatory star rating program for DTs. It was added that the proposal has been submitted to freeze 1 star for 3 years so that manufacturers and stakeholders will be given sufficient time to complete necessary due diligence to produce higher rated DT's as per proposed up-gradation effective from 1st January 2028 onwards

(iii) Regarding the different star rating tables for CRGO and Amorphous core material, BEE informed that the energy efficiency standards are always technology neutral and different star rating tables may not be considered.

After detailed deliberation, the Chair directed as under:

(i) BEE to invite some of the DISCOMs to participate in the discussion of the technical committee meetings.

(Action-BEE)

(ii) BEE may explore the possibility to involve the IITs to do the independent study analysis on the payback period and cost implication due to any upgradation in the star rating table.

(Action-BEE)

(iii) CEA to consider for further extension of the validity period of the type test of transformer from existing validity period of 5 years.

(Action-CEA)

(iv) It was also suggested that the proposal may be posted on website for stakeholder's comments and to take further decision after analyzing the inputs received

The meeting ended with a vote of thanks to the Chair.

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05-06-2024

## List of Participants:

Annex-I

S.No	Name of the participant & Designation	Organization
1	Shri Ajay Tewari, Additional Secretary- In Chair	Ministry of Power
2	Shri Karam Chand, Director	Ministry of Power
3	Shri Saket Kumar Sinha, Under Secretary	Ministry of Power
4	Smt. Pravatanalini Samal, Director	BEE
5	Shri Mukhe Krishna Sai Satvik, Project Engineer	BEE
6	Shri Vivek Goel, Chief Engineer	CEA
7	Shri Praveen Kamal, Director	CEA
8	Shri Aditya Das, Scientist-D	BIS
9	Shri Kunal Kumar, Scientist-D	BIS
10	Shri Nitish Kr. Jain, Scientist-C	BIS
11	Shri Nirmal Kant Goyal, Secretary	AITMA
12	Shri Vivek Jain, President	AITMA
13	Shri Arnav Jain	AITMA
14	Shri Sanjay Singhal	AITMA
15	Shri Girish Kumar	ITMA
16	Shri Ishan Pathak	ITMA

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