

AITMA/2025/02

10<sup>th</sup> January 2025

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

**Sub: Study of the present market share for different capacities of Distribution Transformers vis-a-vis standards prescribed by BEE & BIS**

**Ref: AITMA submission on Sub-committee (action point 2) meeting held on 6th January 2025**

Dear Mr. Sharma,

We refer to the sub-committee held on 6<sup>th</sup> January 2025 to study the present market share for different capacities of Distribution Transformers vis-a-vis standards prescribed by the Bureau of Energy Efficiency (BEE) and the Bureau of Indian Standards (BIS).

As per the discussions during the meeting, associations were requested to submit production data for transformers in the format provided by BEE.

While AITMA does not have a standard practice for collecting production data from its member manufacturers due to concerns over trade privacy, we emphasized the importance of this study and requested our members to share relevant data. Accordingly, AITMA has compiled production data for Distribution Transformers from its members across India. This data is attached as an annexure to this letter for your kind perusal.

The submitted data highlights that the adoption of higher star-rated transformers is primarily driven by legislative mandates, as economic factors make these transformers unviable. Additionally, we wish to draw your kind attention to an important observation that a higher star-rated transformer, contrary to expectations, leaves increased carbon footprints. This outcome runs counter to the nation's mission of reducing carbon emissions.

We request your favourable consideration of our submission and look forward to contributing further to this important study.

With warm regards,

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

Attachment: Annexure – Production Data of Distribution Transformers

**FORMAT FOR DISTRIBUTION TRANSFORMERS**

Sl. No.	Rated Power (kVA)	Star Rating	Annual Capacity (Units)		Total
			CRGO	AMORPHOUS	
1	10 KVA	1	8000	4000	12000
		2	0	0	
		3	0	0	
		4	0	0	
		5	0	0	
2	16 KVA	1	24000	12000	36000
		2	0	12000	12000
		3	0	0	
		4	0	0	
		5	0	0	
3	25 KVA	1	200000	25000	225000
		2	0	75000	75000
		3	0	0	
		4	0	0	
		5	0	0	
4	63 KVA	1	80000	20000	100000
		2	0	20000	20000
		3	0	0	
		4	0	0	
		5	0	3000	3000
5	100 KVA	1	40000	10000	50000
		2	0	8000	8000
		3	0	0	
		4	0	0	
		5	0	2000	2000
6	200 to 2500 KVA	1	57000	2000	59000
		2	0	1000	1000
		3	0	0	
		4	0	0	
		5	0	0	

NOTE : These are figures compiled from our members from all over India. These indicate that the higher levels are sold only due to legislative support as the economics does not allow higher star rating transformers. Moreover as already pointed out the higher star rating transformers leave a higher carbon foot print in stead of reducing carbon emmissions.

