



## **HIGHLIGHTS OF ITMA'S ACTIVITIES**

**ITMA has taken up and finalized the various issues in the interest of transformer industry and power sector at large in past.**

1. Distribution Transformer losses were rationalized for rating 6.3 KVA to 2500 KVA 3 phase at 11 KV level together with 5 KVA to 25 KVA at 11 KV single phase, besides losses for three phase distribution transformers of rating 250 KVA to 2500KVA at 22KV and 33KV level.

These losses after having consensus were forwarded to BIS and got included in the fourth revision of IS 1180/1989 part I & II for DTs, as energy efficiency level1, level 2 & level 3 corresponding to BEE's Star rating 3,4 &5 respectively up to 2500 KVA ratings.

2. After consistent follow up, Ministry of Power issued directions to CMDs of REC & PFC and also Heads of State Utilities, not to release funds if the utilities are not purchasing and using energy efficient star rated distribution transformers for the Government funded/sponsored projects, in order to discourage the purchase of non-star rated distribution transformers by the utilities in contravention to the notification of BEE and CEA.
3. Persuaded, MOS to take action, to stop the import of non-prime, seconds/used CRGO in the country and consequent to this, a second Quality Control Order dated 12th March 2012 for Steel and Steel products including CRGO as per IS 3024 was issued by Ministry of Steel mandating import of only BIS certified/marked prime CRGO in the country to ensure quality, of the material, despite the opposition from various vested interest of other associations and even DHI. A case was also filed in the Delhi High Court for quashing the quality control order dated 12th March 2012 which has now been withdrawn by the unscrupulous elements.

Further Ministry of Steel was approached to issue directions to customs/Department of Revenue for stopping the import of spurious material in SEZs. Besides MOS was also requested to allow the import of the prime material through the subsidiary company of the foreign mill manufacturing CRGO who is possessing/ having the BIS licence for manufacture and supply of BIS mark CRGO material in India. Accordingly MOS issued directions vide letter No. D.O. No. 1(1)2014-TW (Vol 1) dated 1st March 2016 to Jt. Secretary, Customs and this was achieved when BIS had refused at all to relax the condition of subsidiary company of the licencees thereby affording relief to small manufacturers of DTs.

4. Before the notification of the revised Indian Standard for DTs IS:1180 Part 1/2014 on 19th July 2014, the DTs were already under BEE's star and labeling programme for star rated energy efficiency for star 1 to 5. Through a Quality Control Order on Electrical Transformers dated 7th May 2015 issued by DHI which is now effective from 1st February 2016, mandating BIS certification/marketing of DTs resulting in two agencies i.e BEE and BIS for ensuring the quality of energy efficient DTs. Thus the Transformer manufacturers are obliged to adhere to both the Government agencies for the same requirements due to notified regulations for compliance.

ITMA had taken up this issue of duplicate testing by two Govt. Agencies for energy efficient distribution transformers at various levels, and lastly with Shri A. K. Verma, Jt. Secretary, MOP on 7th April 2016, who has agreed to look into to avoid duplicity of work by two authorities in order to afford relief to our members in respect of cost and time and even to one of the Government agencies as well.

5. The revised guidelines dated 30th November 2015 of BIS for certification, under electrical transformers quality control order dated 7th May 2015, mandating routine and type testing of each rating and every type of distribution transformers, has changed the concept of testing by grouping as per the earlier BIS guidelines of February 2015 thereby creating enormous work load of manufacturers and Test Houses who cannot handle the voluminous quantum of work for all licencees. ITMA has sent a detailed note after discussion with BIS to reconsider the revised guidelines so as to facilitate the manufacture and supply of DTs to utilities and customers. BIS has again been reminded on the issue and shall try to meet the concerned BIS official.
6. Regarding the complaints from our members for delay in inspections by the BIS regional /Branch offices and also not properly attending to the various issues raised by our members in regional/branch offices of BIS, the matter was taken up with Central Marks Department (CMD) of BIS at Head office in Delhi, and same has been resolved by sending the directions to them from the Central Marks Department (CMD) of BIS Head Quarters. Notwithstanding ITMA is again following up with BIS and our members have also been requested to send their grievances. Even circular has been issued to our members in this regard.
7. Members Secretary and Chairman Technical Committee of BIS ET 16 was approached for including the internal protection system in the Indian Standard for DTs IS:1180 Part 1/2014 for protection of the DTs by having in built Internal Circuit Breaker (ICB). The same has accordingly been considered by BIS in a special meeting of ET 16 sub-group/P-11 which was convened on 4th April 2016, chaired by the Chairman ET 16. The group agreed to have the ICB in the existing Indian Standard for DTs IS:1180 Part 1/2014 as an optional item with some testing procedure as per IEC-60076-13 (for self-protected transformer), as an annexure.

8. Some miscreant is using the fake letter head of Rajasthan Transformer Manufacturers Association (RTMA) and writing against ITMA to various Govt. Authorities and even to Hon'ble PM of India. On enquiry from the RTMA at Jaipur it was informed and has given in writing by the President and General Secretary of the RTM Association that they have not issued such letter, besides the letter head and signatures of the President on the letter are forged. Accordingly the clarifications were issued to all concerned by the real RTMA and ITMA. RTMA has also filed F.I.R in the Jaipur police station. Even clarifications was sought by MOS which has since been given with original copies of real RTMA for information.
9. Regional workshops were initiated and organized by ITMA jointly with BEE for spreading awareness amongst utilities and transformer Manufacturers on BEE's S&L Programme, the workshops were held at New Delhi, Lucknow, Hyderabad, Mumbai and Chandigarh (Nalagarh). In fact BEE had commended the efforts of ITMA and as a result the same practice has been adopted through MoU with ICAI for spreading awareness through seminars/ workshops on Quality Control Order on electrical transformers and Indian Standard on DT's IS:1180 Part 1/2014 which is still being continued and our efforts are to organize next workshop/conference at Jaipur.
10. Quality Control Order issued by Department of Heavy Industries on 27th January 2014 was amended on 14th November 2014 and finally revised Quality Control Order of Distribution Transformers was issued on 7th May 2014 for mandating BIS certification/marketing of Distribution Transformers upto 2500 KVA as per IS:1180 (Part 1):2014 which has come into force w.e.f. 1st February 2016. ITMA has consistently taken up with DHI for allowing the execution of the contracts/purchase orders of DTs placed by the discoms of the utilities on our members of transformer manufacturers between 5th May 2015 (date of issue of the quality control order) and 1st February 2016 (date of implementation of the quality control order) as the procurement of DTs is a continuous process for ensuring its availability for the projects and for replacement of burnt/damaged transformers for maintaining the continuity of power supply. DHI has convened a meeting of the stake holders on the issue on 18th April 2016 to resolve this issue. However as per the meeting notice, ITMA was not invited to attend the meeting, which has been protested through a letter. However it is learnt that Jt. Secretary, DHI has agreed to extend the quality control order for the confirmed purchased orders placed between 7th May 2015 to 1st February 2016 suitably.
11. Document developed on Qualitative Improvement in Manufacturing Practices of distribution transformers and Guidelines for Utilities on operation and maintenance to reduce the failure rate of Transformer- Submitted to Ministry of Power, Central Electricity Authority is still under study for adoption with CEA. The matter is being perused.
12. Development of new BIS standards for Amorphous Magnetic Core Alloy material for use in transformer industry, the final draft standard has been circulated for comments. Bureau of Indian Standard is likely to issue standard for Amorphous Metal Material (AM) shortly.

13. The document on Rationalization/Standardization of specifications of power transformer up to 132 kv voltage class used by the Discoms and Utilities in sub transmission system has been submitted to CEA, for study & adoption at National level.-It is under consideration with Central Electricity Authority and is being perused.
14. Standardizations/Uniformity of technical specifications for distribution transformers at National level has been taken with MoP & CEA. CEA has issued the advisory to all Government agencies and departments for purchasing Distribution Transformers conforming to the Indian Standard IS:1180 part I/2014 vide letter dated 26<sup>th</sup> May 2015, the copy was forwarded to all members.
15. ITMA delegation visited the National Test Housel, Ghaziabad regarding the testing facilities. The Director General of National Test House requested that their testing facilities be utilized, as they have rationalized the testing charges and are adding routine test facilities for power and distribution transformers. The information was passed on to all the members.
16. Writ Petition No.5940/2013 has been filed by Steel Traders Vs U.O.I & ORS in Hon'ble High Court of Delhi for quashing the Quality Control second Order S.O. 415 (E) dated 12<sup>th</sup> March 2012 issued by Ministry of Steel for CRGO. ITMA has engaged the services of a lawyer to implead ITMA as one of the respondents along with union of India, Ministry of Steel, Ministry of Consumer Affairs, Ministry of Commerce and Industry, Ministry of Heavy Industries. Besides Delhi High Court has accepted ITMA's request and has also included Ministry of Power as one of the respondents and the case is now scheduled for regular hearing. Next date of hearing is 15<sup>th</sup> February 2016.
17. Regional workshops were initiated by ITMA jointly with BEE for the couple of years ago for spreading awareness amongst utilities and transformer Manufacturers on BEE's S&L Programme, the workshops were held at New Delhi, Lucknow, Hyderabad, Mumbai and Chandigarh (Nalagarh). In fact BEE had commended the efforts of ITMA and as a result the same practice has been adopted through MoU with ICAI in the year 2014-15. The details are as under:-
  - The first such regional workshop/Conference was held at India International Centre, Lodi Road, New Delhi.
  - The second workshop/seminar for Southern States at Bangalore along with ITMA's International Conference on Transformers (TRAFOSEM).
  - The 3rd Regional workshop/Conference was held at at ERDA conference hall, ERDA, Baroda.
  - The 4th Regional workshop/Conference at Hotel Fortune, Kolkata.
  - The 5th Regional workshop/Conference on "Quality, Energy Efficiency, Reliability and O&M of Distribution Transformers" at Hotel Clark, Lucknow.

Looking to the great success of these conferences/seminars in spreading awareness amongst the Utilities and the transformer manufacturers, it was decided to again conduct such seminars on standardization of specifications and the Quality Control Order on Distribution Transformers.

Accordingly ITMA, ICAI along with BIS are conducting the seminar on awareness of Standardization, Certification & Quality Control of Distribution Transformers for registration with BIS as per revised IS1180 (Part I) 2014.

Such seminars have been held at Baroda, Gujarat, Hyderabad, Chennai and Chandigarh and the next is being planned in consultation with ICA and BIS.

18. Quality Control Order issued by Department of Heavy Industries on 27th January 2014 was amended on 14th November 2014 and finally revised Quality Control Order of Distribution Transformers was issued on 7th May 2014 for mandating BIS certification/marketing of Distribution Transformers up to 2500 kVA as per IS:1180 (Part 1):2014 which has come into force w.e.f. 1st February 2016.
19. ITMA had also associated itself, with the 2 days International Conference/workshop organized by CPRI on Transformers "Innovation & Best Practices in Transformer Design, Testing and Maintenance" which was held on 12th & 13th December 2014 at New Delhi.
20. 13th International Conference cum Exhibition on Transformers, on MODERNIZATION OF GLOBAL TRANSFORMER TECHNOLOGY FOR USE IN INDIAN POWER SCENARIO" (TRAFOSEM-2015) was organized on 5th June 2015 at Bombay Exhibition Centre, Mumbai jointly with Central Power Research Institute (CPRI), Bangalore and in association with Well-known apex organizations of Government of India. The conference was inaugurated by Hon'ble Union Power Minister of State Shri Piyush Goyal (Independent Charge) for Power, Coal and New and Renewable Energy, Government of India. The highlights of the address are:-
  - ❖ Total ban on import of non-prime CRGO by enforcing strict action against the custom authorities who are clearing the superiors material.
  - ❖ Government of India should take immediate steps to establish steel Mill for production of CRGO/CRNGO in order to save foreign exchange and even earn by exporting the same. The cost of establishing the Mills is hardly 2500 crores.
  - ❖ Issue of instructions to all the Discoms/Utilities to adopt uniform specification for DTs and for Power Transformers for sub-transmission system upto 132KV level at National level.
  - ❖ BEE should adopt 4 star & 5 star rating for manufacture of DTs so that quality , energy efficient transformers are used to conserve energy and save power.
  - ❖ To have only one agency (BEE or BIS) for ensuring quality of energy efficient DTs.

- ❖ To rationalize the testing charges of CPRI as these are almost double as being charged by other recognized labs. These issues were deliberated by BIS for implementation and are in process.
21. For expediting, the electrification of 18.500 left over villages within a stipulated time of 2 years as per the Hon'ble Power Ministers commitment to the Nation on 15<sup>th</sup> of August 2015, Ministry of Power, in order to facilitate states in mobilization of quality equipment's /material at competitive price under DDUGJY/IPDS, two committees have been constituted on 14-08-15, to finalize the aggregate requirement of the major equipments/materials and finalize the technical specifications thereof, besides, preparation of bidding documents for carrying out e-tendering and evaluating bids and to finalize the rate contracts on behalf of the states. However the contracts for DDUGJY projects and IPDS shall be placed for execution by the respective states. Moreover the committee 'A' has finalized the Technical Specifications of the High Valve, major equipments which includes Power and Distribution Transformers, while committee 'B' has also finalized the empanelment of vendors for these high value major equipment/material. The process of calling the technocommercial bids/offers has already started and is at Adonic stage through e-tendering for which Government of India agency MSTC has been engaged.
  22. ITMA is publishing a bi-monthly journal and Monthly News Letter containing valuable articles and other information and news items for the benefit of its members which is distributed free of cost in the Power Sector Industry to all.
  23. Members are informed from time to time about important decisions on Foreign Trade, Banking and Finance, Company Law & Taxation, Tenders information price variation circulars, Price Variation Formulae, Specifications etc. Further ITMA keep's a track of latest developments in Transformer Technology at global level for seeking knowledge for the benefit of members.
  24. 11th edition of ITMA Directory 2014 had been printed and distributed to all the members in power sector free of cost. ITMA has undertaken to update and revise its 11th edition Directory-2017 comprehensively, so that one could get all information about the industry, in a single publication.
  25. ITMA has hosted redesigned Website with domain name [www.itma.org.in](http://www.itma.org.in) with a facility to advertise products and services.

Besides the few activities listed above, ITMA is actively pursuing with Ministry of Power (MoP), Ministry of Steel (MoS), Ministry of Consumer Affairs (MoCA) & Bureau of Indian Standards (BIS) for the resolution of the various issues arising out of the BIS registration/certification of transformer manufacturers and issues specific to members, as brought out.



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