

ITMA



NEWS

INDIAN TRANSFORMER MANUFACTURERS ASSOCIATION

ISSUE 56

MAY 2017

Dear Readers,

We are thankful for your support in the activities of ITMA and hope your patronage will continue for further growth in the business of transformer and allied industries. Besides, readers, colleagues and friends are requested to share with us any news/ report or suggestions they may consider appropriate for printing in the newsletter.

(Signature)
(B. Lal, Director General)





OVERVIEW OF 14TH INTERNATIONAL CONFERENCE ON TRANSFORMERS (TRAFOSEM-2017)

ITMA as one of its activities organized the International Conference on Transformers (TRAFOSEM-2017) on “Global Trends in Transformers Technology for Indian Power System” in association/support with the well-known apex organizations of Government of India like CEA, REC, PFCL, BEE, PGCIL, BIS, NTPCL, BBMB, NPTI, CPRI, ERDA, NTH, ICAI, PHDCCI, ASSOCHAM, and INDIA ENERGY FORM etc. on 5th May 2017 at New Delhi

The objective of the conference was to provide a forum to discuss present status and ongoing trends in transformer technology not only in India but also in foreign countries amongst various manufacturers, utilities, power industry and share experience, and knowledge at global level.

The 14th International Conference on Transformers [TRAFOSEM-2017) was a grand success due to active co-operation and participation of the members and other organizations associated with ITMA. Shri R.K. Verma, Chairperson, CEA inaugurated the conference as Chief Guest and, Shri I.S. Jha, Chairman and Managing Director, Power Grid Corporation of India Ltd., Shri Rajeev Sharma, Chairman and Managing Director, Power Finance Corporation Ltd, and Prof. (Dr.) Rajendra Kumar Pandey, Director General, NPTI, graced the conference as Guests of Honour and Shri P.R. Kumar, Chief Executive Officer, BSES Yamuna Power Ltd., Shri Mayur Karmarkar, Regional Team Leader – Asia, Sustainable Energy, International Copper Association India, as Special Guests. During the inaugural function of the conference.

Some of the salient issues being faced by the transformer industry were posed by president, ITMA during the inaugural function as under:

- 1) Total ban on import of non-prime CRGO by enforcing strict action against the custom authorities who are clearing the spurious material, under other tariff heads as transformer parts as the quality control order dated 12th March 2012 issued by MoS was enforced w.e.f. July 2014.
- 2) Government of India should take immediate steps to establish steel Mill for production of CRGO/CRNGO/Amorphous Metal in the country in order to save foreign exchange and even earn by exporting the same.
- 3) Issue instructions to all the Discoms/Utilities to adopt uniform specification for DTs and for Power Transformers for sub-transmission system upto 33 KV level as per the specifications finalized for DDUGJY & IPDS schemes by MoP for REC projects for electrifications of villages.
- 4) Manufacture up-rated star rated DTs, so that quality & energy efficient transformers are used to conserve energy and save power, as per notification dated 16.12.2016 of MoP which is effective from 01.07.2017, be suitably extended further so that all the stake holders are ready to implement the same. Besides BEE should issue calendar to switch over from one level to higher level of efficiency (star level), so that all the stakeholders make themselves ready for the implementation.
- 5) BIS & BEE the implementing agencies for the quality Control Order and star labeling respectively on DTs should co-ordinate with each other before issuing any notification, so that both are compatible and the stakeholders are not put to any inconvenience for ease of doing business.

- 6) For ease of doing business, industry should not be burdened, with the dual certification of DTs from BIS, through a quality control order of DHI and BEE through its S&L programme for star labeling as both have the same purpose of quality and Energy Efficiency of DTs. In fact, ITMA have addressed number of letters to MoP on this issue.
- 7) With the Mop's notification dated 16-12-2016 for up-rated star levels, there is mismatch in Energy efficiency star ratings in relation to BIS energy efficiency levels, resulting in confusion amongst the stakeholders. BIS needs to up-rate the Energy Efficiency levels in line with MoP notification dated 16.12.2016 for compatibility.
- 8) It would be ideal that Govt. of India should extend financial help to MSME members of DTs. to up rate their manufacturing techniques by adopting facilities of automation for handling all the processes for producing quality transformer in order to curtail the failure rate of DTs which is a matter of concern at National level.



- 9) With the mandatory certification of DTs the requirement of testing of DTs has increased manifold for which the existing testing facilities in country with CPRI, ERDA & NTH are not adequate. All the test house are being requested to upgrade the testing facilities to meet the requirement. ITMA has brought to the notice of MoP on number of occasions.

All the above points issues were appreciated by Shri R.K. Verma, Chairperson, CEA besides having been supported by other Guest of Honours and promised to look into them for redressal. After the inaugural address, the Chief Guest felicitated Sponsors of the Conference with mementos. Besides President ITMA, Sr. Vice President and others also presented memento to all the guest of on the dais. Moreover the Chairmen, Rapporteurs and all the authors who took part in the technical session were presented with mementos. In the end ITMA President presented Best Technical Paper awards to the following:

1st Best Paper to Shri M. M. Goswami and team from POWERGRID, Gurgaon on the Subject of “Challenges Involved in Design, Engineering, Testing, Transport, Commissioning & Operation of Converter Transformers in 800 KV High Voltage Direct Current (HVDC) Power Transmission Projects”





2nd Best Paper to Shri Abhay Agrawal and team From ABB India Ltd., Vadodara **on the Subject of “Application of method of Design of Experiments in power transformer tank design”**

3rd Best Paper awards to:

- Shri Ichiro Tanaka from Nippon Steel & Sumitomo Metal Corporation, Japan **on the Subject of “Advantage in applying higher grade CRGO materials to distribution transformers”**
- Shri Rajaram Shinde and team from Cargill India Pvt. Ltd., India **on the Subject of “Enhance Reliability and fire safety of transformer with Improved performance of Ester fluid”**
- Shri Ryusuke Hasegawa and team from Hitachi Metglas, Japan **on the Subject of “Energy Efficiency and environmental impacts of amorphous alloy-based transformers”**

The Conference was concluded by Shri Surendra Gupta, Sr. Vice President the Convener of the Conference with vote of thanks for all the participants, management of Scope, Media etc.

the orders which have been placed for DTs upto 30th June 2017 shall be allowed to be supplied as per the delivery scheduled given in the contracts/purchase orders. For this the manufacturers have to intimate BEE with a copy of contract/purchase orders to validate the supplies of DTs accordingly.

However CEA and BEE shall request the discoms/utilities that the future tender/orders beyond 30th June 2017 should be only as per the new star rating plan of MoP's Notification dated 16th December 2016, and the orders placed beyond 30th June 2017 as per the old star rating plan shall be invalid and in contravention of the Notification of MoP dated 16th December 2016.

Regarding acceptance of the losses for non-preferred rating of DTs the same shall be governed by the losses finalized by BIS as per IS:1180 Part 1 2014 vide its Amendment NO.1 issued in August 2016 except for the losses for 6.3 KVA and 10 KVA DTs being reworked out by BIS shall be adopted by BEE.

Testing of the DTs for BEE's certifications Mr. Saurab Diddi, Chairman of the BEE's Technical Committee informed the members, during the technical committee meeting held on 12th May 2017, that BEE shall accept the test reports from NABL accredited laboratories weather independent or in house . The members requested the chairman of the committee that the necessary clarifications in this regard be issued on priority.

PROBLEMS BEING FACED BY OUR MEMBERS FOR GETTING AND REVALIDATION OF THE STAR LABEL FROM BEE UNDER ITS S&L PROGRAMME.

Our members and the transformer manufacturers are facing lot of difficulties in getting the star label under its S&L programme for supply of DTs to the utilities. The problems intimated by the members are given here under:

- BEE is repeatedly asking for the same documents (Short fall) even after having been sent to them time & again.
- Frequent misplacing of documents in BEE's office, sent through speed post/Registered AD/Courier service etc is a normal phenomena.
- No proper response from BEE's helpdesk service, is available, as at 90% time the phone is not being lifted & when lifted the reply is evasive and no proper guidance is given for the queries .
- Blocking of BEE's portal without giving any notice/information & reasons creates hardship and waste of time.
- Unnecessary delay without any proper reasons for allotment of label/granting of permission, and even at times this period exceeds 6 to 12 months and the supplier/member fails to honour supply contract commitments as all the contracts are required to be completed within 8 to 10 months time.
- For revalidating the permission for existing models (for which the permission has been given by BEE in past) takes 6 to 12 months and comes out with unnecessary enquiries or repeated enquiry, which entails stoppage of the supply in mid of the contract.
- Ignorance for the receipt of the mails sent by our members, at BEE helpdesk is a normal phenomena.



We offer our gratitude to all participants including foreign delegates (Members/Non members)/Authors/Advertisers, Sponsors, Co-sponsors and supporters who all have made it possible for us to bring out this valuable booklet i.e. Special Issue, containing technical papers in the Conference.

We hope that the deliberations and the recommendations arrived at the end of the Conference will be a landmark for manufacturers as well as the users for the best advantage and economic growth of the country.

REVIEW OF TECHNICAL COMMITTEE MEETING ON DISTRIBUTION TRANSFORMERS IN BEE ON STANDARD AND LABELING PROGRAMME HELD ON 12TH MAY 2017

Meeting of the Technical Committee of BEE to decide about date of enforcement of the **new star rating plan as per notification dated 16th December 2016** besides discussion on losses for non preferred ratings of DTs and way forward for the same, was held in BEE office on 12th May 2017 , which was attended by various stake holders.

After detailed discussions the following was decided, which was also circulated to the members on 15th May 2017.

The date of implementation of the new star rating plan (as per notification dated 16th December 2016) shall be from 1st July 2017, but





viii) Red tappism is prevailing for allotting of permission/label even where reports are in line with BIS where BIS has issued the licence for that rating, but BEE ignores to give the label following delay tactics.

ix) Basically due to non responsive attitude and abnormal delay in issue of license/label, besides abnormal delay in revalidating of the existing models, BEE is not only doing a heavy national loss coupled with losses of revenue of BEE.

ITMA appraised Director General, BEE, vide its letter dated 11th May 2017 and requested to consider to resolve the above issues faced by our members in getting the star labeling and subsequent revalidating of the existing labels so that they do not face any problem for ease doing of the business.

The issue was discussed in the BEE's Technical Committee meeting held on 12th May 2017 on various issues difficulties being faced, by the members in getting the star label, and it was mentioned by the Chairman of the committee that necessary steps are being taken to stream line the process. A standard format/document is being prepared for getting the star label for which he requested the associations to submit the document/format within 15 days which shall be discussed and finalized for adoption to streamline the process of getting the star label without any hassel.

FINALIZATION OF THE LOSSES FOR NON-PREFERRED RATINGS I.E. 6.3 KVA AND 10 KVA DTS AS DISCUSSED IN THE BIS TECHNICAL COMMITTEE MEETING ETD -16 HELD ON 12TH APRIL 2017

In the Minutes of the Meeting circulated for 21st Meeting of Electro Technical Division ETD-16 on 11th May 2017 wherein as per Annexure 2, GUVNL Gujarat has been requested to send the detailed calculations and also suggest the losses for both 6.3 KVA and 10 KVA DTs.

Our members have also worked of IS : 1180 out the losses for 10 KVA DTs at various energy efficiency levels as under which have been forwarded to BIS to be considered while finalizing the losses for non-preferred rating of Distribution Transformers.

L1 at 50 % Loading	90 Watts
L1 at 100 % Loading	335 Watts
L2 at 50 % Loading	82 Watts
L2 at 100 % Loading	308 Watts
L3 at 50 % Loading	72 Watts
L3 at 100 % Loading	280 Watts

EXTENSION IN IMPLEMENTATION OF AMENDMENT NO. 1 TO IS 1180 PART I 2014- CONFERENCE/SEMINAR ON AWARENESS ON "STANDARDIZATION, CERTIFICATION, QUALITY CONTROL ORDER AND TESTING OF DISTRIBUTION TRANSFORMERS"

ITMA and ICAI, in association with BIS, has undertaken to spread awareness on the standardization and certification as per the quality control order besides testing and energy efficiency amongst the stake holders at state capitals pan India. A brochure covering earlier workshop/conferences conducted at New Delhi, Hyderabad, Chennai,



Chandigarh, Vadodara, Kolkata was handed over, besides the brief about recently held conference at Bhopal, has been prepared and handed over to DDG Certification/Conference, BIS at Head Quarter on 6th April 2017 during the meeting DDG Certification, BIS was apprised about the future awareness programmes.

DDG Certification of BIS encouraged the delegation for holding the next awareness programs at Jaipur, Guwahati, Chennai/Hyderabad, Mumbai etc. etc. on priority. He was assured that such programs shall be planned in the suggested metropolitan cities in consultation with them (BIS). The detailed draft programme and likely dates shall be finalized with the local BIS office at Jaipur and Guwahati to begin with. A letter was sent to BIS headquarter in this regard and they in support responded as under.

"Dear Sir

This has reference to the trailing email.

You may plan such programmes in consultation with the concerned Regional/Branch Offices involving them as Speakers.

CMD will also try to attend some of such programmes.

Regards

AR UNNIKRISHNAN

HEAD CMD III"

ADVERTISEMENT

ITMA is already printing advertisements in the strip form at the bottom of the each page. Interested firms /companies to give an advertisement in our forthcoming newsletter, please send the advertisement material in the form of CD (PDF Format) together with DD/Cheque in favour of "Indian Transformer Manufacturers Association" payable at Ghaziabad as early as possible. Our next Newsletter issue is likely to appear shortly and as such would like your consent for insertion of advertisement for one year i.e. for 12 issues. The advertisement tariff are given below: -

Advertisement	Particular	Tariff	
		Single Issue	12 Issue (one Year)
Front Page	Bottom Strip	₹ 4,000	₹ 36,000/-
Back Page	Bottom Strip	₹ 3,000	₹ 30,000/-
Two Inner Pages	Bottom Strip	₹ 2,500 Each	₹ 24,000/-

- Advertisement Size For Bottom Strip : 3 Cm X 18 Cm.
- Material CDR/PDF Format

For further information, please approach ITMA secretariat well in advance and seek information:

itma_2006@airtelmail.in, itma_2006@itma.org.in

0120-4566119/4116651, 09810616471