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**BUREAU OF INDIAN
STANDARDS**

MINUTES

Name of the Committee	No. of Meeting	Day	Date	Time	Venue
Rotating Machinery Sectional Committee ETD 15	33 rd	Friday	17 th Nov 2023	11.00 AM	WebEx (Online)

CHAIRMAN : Shri Mukesh K Maravi

MEMBER SECRETARY : Ms. Neha Agarwal

Members Present:

S.No	Organization	Name
1.	Bharat Heavy Electricals Limited, Bhopal	Shri Mukesh Kumar Maravi
2.	ETD, BIS	Ms Neha Agarwal
3.	Bharat Heavy Electrical Limited, New Delhi	Shri P Dali Naidu
4.	Central Electricity Authority, New Delhi	Shri Reetesh Tiwari
5.	Central Power Research Institute, Bengaluru	Shri S Prashob
6.	Electrical Research And Development Association, Vadodara	Shri R P Singh
7.	Engineers India Limited, New Delhi	Shri Raman Sood
8.	Engineers India Limited, New Delhi	Shri Ravish
9.	Havells India Limited, Noida	Shri Vinayak Atre
10.	Hindustan Electric Motors, Mumbai	Shri Sanjay Jadia
11.	Indian Electrical And Electronics Manufacturers Association, New Delhi	Shri Praveen Kumar
12.	Indian Electrical And Electronics Manufacturers Association, New Delhi	Shri K. Seetharaman
13.	Indian Pump Manufacturers Association, Mumbai	Shri Vignesh
14.	Ingersoll Rand India Limited, Ahmedabad	Shri Harsh Shukla
15.	Ingersoll Rand India Limited, Ahmedabad	Shri Kaushal Pandya
16.	Integrated Electric Co. Pvt. Ltd. Bengaluru	Dr Praveen Vijayraghavan
17.	International Copper Association India, Mumbai	Shri J. Pande
18.	International Copper Association India, Mumbai	Shri Sanjay Kumar Namdeo
19.	NTPC Limited, New Delhi	Shri B V V S Ganesh
20.	Scientific And Industrial Testing And Research Centre, Coimbatore	Dr. K Ulaganathan

21.	IPMA	Shri K.V. Karthik
22.	Scientific And Industrial Testing And Research Centre, Coimbatore	Shri A. M. Selvaraj
23.	Scientific And Industrial Testing And Research Centre, Coimbatore	Shri V Krishnamoorthy
24.	Siemens Limited, Mumbai	Shri Ashish Shere
25.	Southern India Engineering Manufacturers Association, Coimbatore	Shri Arun Kumar
26.	Southern India Engineering Manufacturers Association, Coimbatore	Dr. C. Murugesan
27.	Toshiba Mitsubishi-Electric Industrial Systems Corporation, Bengaluru	Shri Manish Joshi

Item 0 GENERAL

0.1 Welcome and Opening Remarks by the Chairman

Shri Mukesh M Maravi welcomed all the members present during the meeting. He briefly introduced himself and the work carried out by BHEL in rotating machinery sector. He further emphasized that BHEL is involve in manufacturing of make in India products in the field of rotating machinery in order to reduce the dependency on imports from other countries. With this, he wished all the members for fruitful discussion on all the agenda points and further, he expressed gratitude to the Bureau of Indian Standards (BIS) for entrusting him with the opportunity to lead the standardization work in the field of rotating machinery.

Ms Neha Agarwal welcomed all the members present and extended greetings recognizing the importance of their collective efforts in advancing the work on standardization during the meeting.

The meeting started with briefed round of introduction with all the members present.

Item 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

1.1 In view of no comments, the committee approved the minutes of the 32nd meeting of Rotating Machinery Sectional Committee, ETD 15 held on 27th June 2023.

Item 2 COMPOSITION OF ROTATING MACHINERY SECTIONAL COMMITTEE, ETD 15

2.1 The committee reviewed the composition and following changes were informed:

- a) Updated nominations from Havells India Pvt Ltd
- b) Change Organization name from 'Integrated Electric Limited, Gurugram' to 'Integrated Electric Co. Pvt. Ltd. Bengaluru'.

2.2 Duties and Responsibilities of Technical Committee Members – Signing of Declaration

The committee noted the information. Member secretary requested members to send the declaration form at the earliest as directed by DG, BIS.

Further, the list of members who have not sent the signed declaration form is enclosed at ANNEX 1 and the Declaration Form is given in ANNEX 2.

The members may please note.

Item 3 IDENTIFICATION OF RESEARCH AND DEVELOPMENT PROJECTS FOR FORMULATION AND REVIEW OF STANDARDS

The committee discussed the proposed ToR and the following was decided:

- a) **Title of the project:** Revision of IS 7538: 1996 ‘Three - Phase squirrel cage induction motors for centrifugal pumps for agricultural application – Specification’

Approved with no changes.

- b) **Title of the project:** Revision of IS 7572: 1974 ‘Guide for testing single - Phase AC and universal motors’

Approved with the following change in scope of R&D:

1. Testing of different types of single phase a.c. motors available in the market

- c) **Title of the project:** Revision of IS 9283: 2003 ‘Motors for Submersible pump sets – Specification

Dr. C. Murugesan, SIEMA informed that efficiency values has been incorporated into the revised draft after consultation with SiTarc and other concerned stakeholders therefore retesting of sample may not be required.

Therefore, the committee approved the ToR with the following changes in scope of R&D and accordingly research methodology and expected deliverables:

Modified scope of R&D- IS 9283 has been taken up for revision to include efficiency levels EL 1, EL 2, EL 3 & EL 4 for submersible motors to improve overall efficiency of the system (motor & pump). This research aims to collect efficiency and performance data from different manufacturers in India and to verify the values included into the revised draft.

- d) **Title of the project:** Revision of IS 9320: 1979 ‘Guide for testing direct - Current (DC) machines’

Shri Praveen Vijayraghvan said that IS 9320 does not require much modification except updates in referred Indian Standards. Therefore, extensive R&D is not required in the revision of IS 9320. Further, he also mentioned that there is no dedicated laboratories for testing DC machines. The committee agreed on the same and recommended to revise the standards by updating the referred Indian standards only.

- e) **Title of the project:** Revision of IS 12075: 2008 ‘Mechanical Vibration of Rotating Electrical Machines with Shaft Heights 56 Mm and Higher - Measurement Evaluation and Limits of Vibration Severity’

Shri Salil Kumar, BBL said that the updated test procedures for assessing the vibration of rotating electrical machines have been derived from international standards. These methods are widely acknowledged and implemented worldwide. Consequently, there is no need for extensive research and development to validate the revised test methods.

Item 4 DATE AND PLACE FOR THE NEXT MEETING

The next meeting will be held as per the annual meeting calendar.

Item 5 ANY OTHER BUSINESS

In view of no other business, the meeting ended with vote of thanks to chair.

ANNEX 1

List- Declarations not received from members

S.No	Organization	Member Name
1.	Bharat Heavy Electricals Limited, Bhopal	Shri Mukesh Kumar Maravi
2.	Asea Brown Boveri Limited, Faridabad	Shri Sumit Tyagi
3.	Asea Brown Boveri Limited, Faridabad	Shri Lokesh B M
4.	Bharat Heavy Electrical Limited, New Delhi	Shri Krushna Chandra Panda
5.	CG Power and Industrial Solutions, Mumbai	Shri A. Sudhakaran
6.	CG Power and Industrial Solutions, Mumbai	Shri Prashant Ankalhope
7.	CG Power and Industrial Solutions, Mumbai	Shri Bhupendra Nema
8.	Development Commissioner Micro-Small and Medium Enterprises	Shri S K Saini
9.	Engineers India Limited, New Delhi	Shri S Srihari
10.	Engineers India Limited, New Delhi	Shri Raman Sood
11.	Havells India Limited, Noida	Shri Vinayak Atre
12.	Hindustan Electric Motors, Mumbai	Shri Dilip Bhawe
13.	Indian Electrical and Electronics Manufacturers Association, New Delhi	Shri K. Seetharaman
14.	Indian Electrical and Electronics Manufacturers Association, New Delhi	Shri Praveen kumar
15.	Indian Institute of Technology Delhi, New Delhi	Prof Anil Verma
16.	Indian Institute of Technology Delhi, New Delhi	Dr. Pravin P Ingole
17.	International Copper Association India, Mumbai	Shri K N Hemanth Kumar
18.	Marathon Electric Motors (India) Limited, Kolkata	Shri Rajiv Ranjan
19.	NTPC Limited, New Delhi	Shri S. N. Tripathi
20.	Nuclear Power Corporation of India Limited, Mumbai	SHRI S K TIWARI
21.	Nuclear Power Corporation of India Limited, Mumbai	Dr Dhanashree V Vyawahare
22.	Siemens Limited, Mumbai	Shri Pradeep Ranade
23.	Siemens Limited, Mumbai	Shri Prasad Hardikar
24.	Southern India Engineering Manufacturers Association, Coimbatore	Dr. R. Subramanian

25.	Steel Authority of India Limited (SAIL), New Delhi	Shri Madhupriya
26.	Testing Electrical Standards Laboratory and R&D Institute Private Limited, Gandhinagar	Shri Ankit Jain
27.	Testing Electrical Standards Laboratory and R&D Institute Private Limited, Gandhinagar	Shri Mintej Jani

ANEEX 2

DECLARATION FORM

By the Member of the Technical Committee of BIS

1. The Technical Committee is an important mechanism in BIS for formulation and review of the Indian Standards with a well-defined scope of work and norms for the transaction of business thereto in conformity with the good practices enunciated by the 'Code of Good Practice for the Preparation, Adoption and Application of Standards' given in the 'Agreement on Technical Barriers to Trade' of World Trade Organization.
2. A member of the Technical Committee is required to attend the meetings of the Technical Committee as per the schedule included in the Annual Calendar of the Technical Committee Meetings as well as the special meetings convened to discuss important issues.
3. In case a member is not able to attend a meeting, prior intimation of this is necessary to be given to the Member Secretary of the Technical Committee. However, a member cannot abstain from attending two consecutive meetings of the Technical Committee, and must attend at least 50% meetings of the Technical Committee held in a year.
4. Failure to attend two consecutive meetings of the Technical Committee and at least 50% meetings of the Technical Committee held in a year, shall attract termination of the membership of the Technical Committee, except in extra-ordinary cases to be considered by the Division Council concerned.
5. A member of the Technical Committee is expected to contribute in discharging the following responsibilities of the Technical Committee:
 - a) Identification of the new subjects for standardisation.
 - b) Preparation of the rolling Annual Action Plan and periodic review of the implementation thereof.
 - c) Review of the implementation of the Standardisation National Action Plan (SNAP) in relation to the scope of work of the Technical Committee.
 - d) Examination of the Annual Programme for Standardisation, submitted by the Ministries/Departments of the Central Government.
 - e) Approve the annual calendar of Technical Committee meetings.
 - f) Discuss and approve the Agenda for Technical Committee Meeting.
 - g) Formation of Sub-committees, Panels. Working Groups and Task Forces.
 - h) Assigning Action Research Projects.

- i) Identification of R&D projects to be commissioned by BIS and the determination of the Scope and Terms of Reference thereof.
- j) Evaluation of R&D proposals received from outside organisations.
- k) Examination of New Work Item Proposals (NWIP) and draft standards received from ISO/IEC.
- l) Participation in the meetings of the Technical Committee or Working Groups of ISO/IEC, as and when nominated by BIS.
- m) Participation in the Workshops /Seminars and Capacity-Building Programmes organized by BIS.

6. It is mandatory for a newly inducted member of the Technical Committee to attend the on-boarding session organised by BIS.

7. It is also mandatory for the Member of the Technical Committee to share comments on the Preliminary and Wide Circulation Drafts under development in the Technical Committee.

8. It is expected for a Member of a Technical Committee to act with impartiality and fairness, free from any undue influence and bias to ensure that the standards established by the Technical Committee address the needs of all the stakeholders equitably.

I,(Name)....., hereby declare that having been inducted as a member of the Technical Committee,....., in my individual capacity/as a representative of, I have gone through the provisions of this document enunciated above, and place on record my desire and commitment to discharge the responsibilities of the Member of this Technical Committee with utmost sincerity and dedication.

Date:

Signature of the Member

Place: