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BUREAU OF INDIAN STANDARDS

RESOLUTIONS

Name of the Committee	No. of Meeting	Day	Date	Time	Mode
Fluids for Electrotechnical Applications Sectional Committee, ETD 03	24 th	Tuesday	22-10-2024	1030 h	Virtual

1. CONFIRMATION OF THE MINUTES OF THE LAST MEETING

The committee confirmed the minutes of the 23rd meeting of Fluids for Electrotechnical Applications, Sectional Committee, ETD 03 held Physically on 16-05-2024.

2. COMMITTEE COMPOSITION

2.1 The committee decided to retain BHEL, CG Power & Industrial Solutions and Schneider Electric and send them one last reminder as these were the major three OEMs in the committee.

2.2 The committee decided to pursue IIT Bombay for inclusion of academia in the committee.

2.3 Committee decided to co-opt utilities viz. PSEB, GETCO, MSEB, GE T&D.

3. REVISION OF IS 335

Convener of working panel for revision of IS 335 Dr T.C.S.M. Gupta agreed to call a meeting and submit report and recommendation of the panel in 4 weeks time.

4. REVIEW OF PRE-2000 STANDARDS

4.1 It was decided to withdraw IS 12177: 1987 'Oxidative ageing of electrical insulating liquids by open beaker method method of test' based on ARP discussion with Mr Chandan, BIS Officer during the meeting.

4.2 The committee noted that all other 6 Pre-2000 standards are under review as ARP projects by BIS officials. It was decided to review the P-drafts circulated for the following Pre-2000 standards till the time ARP reports are received and provide comments/confirm latest by 30 Oct 2024:

- IS 11697: 1986 Methods for the determination of the lightning impulse breakdown voltage of insulating liquids

- IS 12475: Part 1: 1988 and IS 12475 : Part 2 : 1988 Gassing of insulating liquids under electrical stress and ionization

5. DOCUMENTS APPROVED FOR WIDE CIRCULATION

The committee reviewed the changes listed in Annex 7 which indicated the changes in base IEC of IS 9434:2019. The committee discussed and agreed that the changes

introduced by latest IEC 60567:2023 are being followed by the Indian stakeholders as well, for sampling of gases and analysis of free and dissolved gases. It was, therefore, decided to revise IS 9434: 2019 in line with its latest base IEC 60567:2023. It was decided to circulate IEC 60567:2023 in wide circulation for 60 days for revision of IS 9434.

6. NWIP – R&D

The committee observed that sufficient progress has not been made by the Project leader. The committee clarified that the purpose of the project was itself to collect data of natural and ester based fluids after obtaining samples and testing them to carry out the DGA analysis. The project leader was advised by the committee to immediately collect samples and initiate testing. Further, various committee members offered to talk to GETCO and TATA Power to support the R&D work if the project leader needs.

Based on the above, the committee agreed to provide 1 month extension to the Project leader for carrying out the project in line with the defined timelines and milestones.

The committee asked the Project leader to submit a revised report based on the discussions above in 1 month time (30 days from the date of this meeting) and agreed to have a meeting of the sectional committee after 1 month only to review and discuss the progress of work so that due process can then be initiated for further fund release, if progress is then found satisfactory by the committee.

7. DESIGNATION OF EXPERTS & LEVEL OF INTEREST IN IEC TC 10 PROJECTS

7.1 The committee approved the nomination of following technical committee experts for WG/MT nominations as designated experts from India:

- WG 45 & MT 38 - Dr T.C.S.M. Gupta (already registered)
- WG 46 – Mr Nitin Dhamale (new nomination)

Both experts agreed to the roles and responsibilities listed at 11.3 of the agenda. Dr Gupta agreed to submit reports of participation in WG 45 and MT 38 for the calendar year 2023 and 2024.

7.2 It was decided to identify experts from M/s Powergrid Corporation of India for nomination as designated experts for MT 20 and MT 22.

7.3 It was also decided to delete Mr Narasimhan's nomination from MT 36 based on his continued absence from both Indian and International scenario.

7.4 The committee deliberated and decided that the level of interest for "10/1218/CD IEC 63359 ED1: Fluids for electrotechnical application: Specifications for the re-use of mixtures of gases alternative to SF₆" must be medium and not high as this committee is mostly focused on fluids and not gases.

8. SECTOR-SUB-SECTOR CLASSIFICATION IN ETD 03

The committee discussed the vision of working in ETD 03 after identification of relevant sectors. The committee agreed to work on the draft presented by Member Secretary and conclude this exercise by 07 Nov 2024.