



BUREAU OF INDIAN STANDARDS

MINUTES

**31th Meeting
of
Water Quality for Industrial Purposes Sectional Committee, CHD 13**

Date/day : 24-01-2024/ Wednesday
Time : 10:30 AM
Venue : Hybrid Mode (Virtual mode)
Chairman : Shri K P Bhattacharyya, BARC
Member Secretary : Ms. Shubhanjali Umrao, BIS

Members Present

1. Shri Shivyanamath S, BARC
2. Dr. K Sri Bala Kameswari, CSIR-CLRI
3. Shri Vishal Gandhi, CPCB
4. Dr. Nitin Endlay, CSIR-CPPRI
5. Mr S Shankar, CPCL, Chennai
6. Shri Dhrumil Soni, ICC
7. Shri Naba Kumar Pal, IEIL, Mumbai
8. Dr Renu Saraph, IEIL, Mumbai
9. Shri Anil Khera, IEIL, Mumbai
10. Minu Singh Ion exchange
11. Shri V P Ghodmare, MSPGCL, Mumbai
12. Shri Sumit Priyadarshi, Ministry of Drinking Water and Sanitation, New Delhi
13. Dr. V Atul Maldhure, NERI, Nagpur
14. Shri L K Nayak, NTPC
15. Shri Ankit Verma, NTPC

16. Dr Vivek Naryan Singh, Shriram Institute for Industrial Research. Delhi
17. Dr Jagdish Kumar, Shriram Institute for Industrial Research. Delhi
18. Shri Ankit Rath, TERI, New Delhi
19. Shri Manish Goswami, The Fertilizer Association of India, New Delhi
20. Shri Vijay Kumar Gupta, The Fertilizer Association of India, New Delhi
21. Dr. A Lawrence, In personal Capacity
22. Shri R S Baghel, In personal Capacity
23. Shri Dinesh Kumar Jain, In personal Capacity

ITEM 1 WELCOME AND OPENING REMARKS

1.1 Welcome of the Chairperson and members by BIS.

On behalf of Bureau of Indian Standards, Member Secretary (MS) warmly welcomed the Chairperson Shri. K P Bhattacharyya, BARC and Committee members to 31th meeting of Water Quality for Industrial Purposes Sectional Committee, CHD 13.

The BIS Secretariat extends heartfelt wishes for a happy, prosperous, joyful, and fulfilling New Year. The BIS Secretariat expresses heartfelt gratitude to the Chairperson and the Committee members for their hard work, commitment, and relentless pursuit of excellence throughout the standardization activities related to Water Quality for Industrial Purposes. Additionally, the BIS Secretariat enlightens members about the new initiatives that BIS is embarking upon to enhance the process of standardization.

The BIS Secretariat informed members about the constitution of a Drafting Committee at the outset of the meeting for the drafting of resolutions. These resolutions are to be ratified and circulated to members on the same day. The meeting is to be conducted in a time-bound manner, and members are expected to attend and actively contribute by commenting on all drafts.

1.2 Opening remarks by the Chairman CHD 13.

Shri. K P Bhattacharyya, the Chairperson of CHD 13, welcomed all the members present in the meeting. The Chairperson appreciated members for timely reviewing Pre 2000 standards and preparing revised draft, apart from regular standardization work. He further added that Committee Members need to accelerate the work of revision of Pre 2000 standards pending with them.

The Chairperson expressed motivation and encouraged the members to continue their active contributions to the committee's work. He emphasized the importance of fruitful and amicable discussions during the meeting, highlighting the collaborative nature of the committee's work.

The Chairperson also urged members to attend the meeting attentively and actively contribute to the preparation of resolutions.

ITEM 2 CONFIRMATION OF THE MINUTES OF THE 30th MEETING

2.1 No comments were received on the Minutes of 30th meeting of Water Quality for Industrial Purposes Sectional Committee, CHD 13. In view of non-receipt of comments, the Committee confirmed the minutes of the 30th meeting of CHD 13 as circulated.

ITEM 3 SCOPES AND COMPOSITION OF THE SECTIONAL COMMITTEE CHD 13

3.1 The Committee noted **Item 3.1** of the Agenda.

3.2 COMPOSITION OF THE SECTIONAL COMMITTEE, CHD 13

3.2.1 BIS Sectt. informed the members about process reform in standardization particularly the static composition of sectional committees faces multifaceted challenges, including poor attendance, a significant number of non-participating members, a growing tendency of not commenting on preliminary drafts and working copies, indifference towards ISO/IEC documents for feedback, negligible emphasis on essential R&D projects for evidence-based standardization, unsatisfactory synergy with government, regulatory bodies, and industry, a narrow base of stakeholders engaged in standards formulation, insufficient focus on sustainability, and prolonged project completion and standards review timelines. Addressing these issues is imperative to ensure effective and timely standardization processes and outcomes.

3.2.2 BIS Sectt. informed that industry associations and ministries are requested to nominate experts, forming standardization cells, and subsequently nominating members for SC membership. Nominations, along with CVs, should be submitted by organization heads, reviewed by the Division Council, and submitted online with NOCs. An onboarding program is scheduled every three months, and attendance is crucial for maintaining membership. Members are expected to actively participate in commenting on preliminary drafts to maintain their membership status, with potential disqualification for prolonged absence. These measures are aimed at fostering active participation and improving standardization efficiency within the SCs.

3.2.3 The Committee reviewed the composition of Water Quality for Industrial Purposes Sectional Committee as per recent process reforms in Standardization (letter no. P&C/09 / 18/2023-PNC-BIS dated 09 November 2023 from DG BIS) and decided to withdraw the membership of following organization considering non-participation in 3 consecutive meetings and contribution in work of Standardization:

1. Water and steam Chemistry Division, BARC facilities, Kalpakkam
2. Central Salt and Marine Chemicals Research Institute, Bhavnagar
3. Department of Industrial Policy & Promotion, New Delhi
4. Department of Science & Technology, New Delhi
5. Delhi Jal Board

ITEM 4 ISSUES ARISING OUT OF PREVIOUS MEETING

Sl. No.	Indian Standard/Amendments/ New Subjects	Decision taken in meeting
4.1	IS 2724 : 2017 Quality tolerances for water for pulp and paper industry (First Revision)	<ul style="list-style-type: none"> • The Committee noted the status of progress of work and decided to circulate the IS 2724 : 2017 to all pulp & paper industries and association for 15 days to review the standards in regard to recent technological advancement and provide their inputs/ comments. • The contact details of these pulp & paper industries and association will be provided by Dr. Nitin Endlay, CPPRI. • Further, the Committee decided that after the receipt of comments/ inputs a meeting with CPPRI and Pulp & Paper industries and association may be convened by BIS on discussion of comments received and preparation of revised draft.
4.2	IS 14199 : 1995 Steam purity - Methods of sampling and test	<ul style="list-style-type: none"> • In view of no input/revised draft received from Shri. Shailendra Kumar, BHEL. The Committee decided to once again write to BHEL to provide the revised draft. • Simultaneously, the Committee decided to reallocate the work of revision and preparation of revised draft on IS 14199: 1995 to Shri V P Ghodmare, MAHAGENCO. • The draft received from Shailendra Kumar, and Shri V P Ghodmare shall be circulated to The Committee members for period of 21 days after incorporating the editorial changes. • The comments received on P draft shall be taken up by Alert Panel P2, in case no comments are received it may be issued into wide circulation for a period of 2 months.
4.3	IS 2859 : 1977 Code of practice for treatment of water for locomotive boilers (First Revision)	<ul style="list-style-type: none"> • As decided in previous meeting, a communication was sent to Rail Coach Factory Kapurthala, Diesel Locomotive Work, and Varanasi. • In receipt of no inputs, the Committee after detailed deliberations decided to archive IS 2859: 1977.
4.4	IS 13119 : 1991 Ammonium bifluoride- Specification	<ul style="list-style-type: none"> • The Committee acknowledged the suggestion made by Dr. A Lawrence that no changes are necessary in the existing characteristics of ammonium bifluoride. However, they requested Shri. R S Baghel to review the prescribed testing method in the standard and provide recommendations within one month.

		<ul style="list-style-type: none"> • Further, the Committee decided to issue the draft into wide circulation for a period of 2 months.
4.5	IS 3328: 1993 Quality tolerances for water for swimming pool	<ul style="list-style-type: none"> • The Committee after deliberating agenda item 4.5 requested Shri Vishal Gandhi, CPCB to provide the revised draft of IS 3328 within a period of 2 weeks. • The draft received shall be reviewed by the Member Secretary and sent into Wide Circulation for 2 month after incorporating the editorial changes and seeking approval from the Chairperson.

ITEM 5 PUBLISHED STANDARDS AFTER LAST MEETING

Sl. NO.	IS NO. AND TITLE	Decision taken in meeting
5.1	IS 1070 : 2023 Reagent grade water Specification (<i>fourth revision</i>)	<ul style="list-style-type: none"> • The Committee noted that IS 1070: 2023 has been published.
5.2	IS 4343 : 2023 Code of practice for treatment of water for high pressure boilers (<i>second revision</i>)	<ul style="list-style-type: none"> • The Committee noted that IS 4343: 2023has been published.
5.3	IS 11970 : 2023 Guide for condensate polishing Power Plant (<i>first revision</i>)	<ul style="list-style-type: none"> • The Committee noted that IS 11970: 2023has been published.
5.4	IS 12479 : 2023 Methods for analysis of solvent systems used for the removal of water formed deposits (<i>first revision</i>)	<ul style="list-style-type: none"> • The Committee noted that IS 12479: 2023has been published.
5.5	IS 13268 : 2023 Demineralization plant – Guidelines (<i>first revision</i>)	<ul style="list-style-type: none"> • The Committee noted that IS 13268: 2023 has been published.
5.6	IS 7932: 2024 Specification for boiler water treatment compounds (Second Revision)	<ul style="list-style-type: none"> • The Committee noted that IS 7932: 2024 has been published.

ITEM 6 DRAFT STANDARDS/AMENDMENTS UNDER WIDE CIRCULATION

Sl. No.	Indian Standard/Amendments/ New Subjects	Decision taken in meeting
6.1	CHD/13/24592 IS 1813 : 1961 Code of practice for treatment of water for marine boilers	<ul style="list-style-type: none"> • The Committee noted that the revised draft has been issued into wide circulation for a period of 2 months on 09.01.2024. • The Committee decided that the comments received will be taken up by Alert Panel CHD 13:P1. However, if no comments are received it may be issued into wide circulation for a period of 2 months.
6.2	IS 10392 : 1982 Specification for feed water and boiler water for low and medium pressure boilers	<ul style="list-style-type: none"> • The Committee noted that the revised draft has been issued into wide circulation for a period of 2 months on 19.01.2024. • The Committee decided that the comments received will be taken up by Alert Panel CHD 13:P1. However, if no comments are received it may be issued into wide circulation for a period of 2 months. • The Committee also requested BIS Sectt. to write to all power generation corporation for seeking their inputs and recommendations.
6.3	IS 10496 : 1983 Specification for feed water, boiler water and condensate high pressure boilers	<ul style="list-style-type: none"> • The Committee noted that the revised draft has been issued into wide circulation for a period of 2 months on 14.12.2023. • The Committee decided that the comments received will be taken up by Alert Panel CHD 13:P1. However, if no comments are received it may be issued into wide circulation for a period of 2 months. • The Committee also requested BIS Sectt. to write to all power generation corporation for seeking their inputs and recommendations.

ITEM 7 DRAFT STANDARDS/AMENDMENTS UNDER PREPARATION

Sl. No.	Indian Standard/Amendments/ New Subjects	Decision taken in meeting
7.1	IS 8188 : 1999 Treatment of water for cooling towers - Code of practice(First Revision)	<ul style="list-style-type: none"> • The Committee decided to issue the draft received from Shri. Anil Khera, Ion Exchange Ltd. into wide circulation for a period of 2 months • The comments received on WC draft shall be taken up by Alert Panel P1. However, in case no comments are received, it may be finalized for printing after taking the approval from the Chairman.

7.2	Specification for Condensate Feed Water and Steam once through supercritical boilers	<ul style="list-style-type: none"> • The Committee decided to circulate the draft received from Shri. Ankit Verma, NTPC to the Committee members for period of 21 days. • The comments received on P-Draft will be taken by Alert Panel CHD 13:P1. However, in case no comments are received it will be issued into wide circulation after period of 2 months.
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Item 8 PROGRAM OF WORK

8.1The Committee noted **Item 8** of the Agenda.

Item 9 RESEARCH ACTION PROJECTS

9.1 During the meeting, the Committee was briefed on the ongoing research and development (R&D) initiatives undertaken by BIS aimed at formulating and revising Indian Standards. Recognizing the importance of these initiatives, the Committee took specific actions to advance standardization efforts.

9.2 Firstly, the Committee requested Shri. Anil Khera to prepare Terms of Reference (ToR) for polyelectrolytes used in the treatment of drinking water. Furthermore, acknowledging the critical role of boilers in various industries, the Committee also entrusted Dr. A Lawrence with the responsibility of drafting the ToRs for the Code of Practice governing low, medium, and high-pressure boilers.

Item 10 DATE AND PLACE OF NEXT MEETING

The Committee decide to convene next meeting of CHD 13 in April 2024, Delhi /Mumbai.

Item 11 VOTE OF THANKS

On behalf of Bureau of Indian Standards, BIS Sectt. thanked the Chairperson and Committee Members for their active participation in the meeting.