 **BUREAU OF INDIAN STANDARDS**

**MINUTES**

**32nd Meeting**

**of**

**Water Quality for Industrial Purposes Sectional Committee, CHD 13**

**Date/day : 04-07-2024/Thursday**

**Time : 10:30 AM**

**Venue : Virtual**

**Chairman : On behalf** ShriK P Bhattacharyya, BARC, Chairperson Shri. R S Baghel was appointed as Chairperson for this meeting due to network error at Chairperson’s end.

**Member Secretary :** Ms. Shubhanjali Umrao, BIS

**Members Present**

1. Shri K. P Bhattacharyya, BARC, Mumbai, Chairperson

2. Shri Shivayyanamath S, BARC, Mumbai

3. Mr Abdual Nishad P, BARC Water and Stream Chemistry Division, Kalpakkam

4. Shri K Ananda Babu, BHEL, New Delhi

5. Dr Sipika Chauhan, CII Triveni Water Institute, New Delhi

6. Dr R. Malini, CERI, Karaikudi

7. Dr K. Sri Bala Kameswari, CLRI, Chennai

8. Dr Nitin Endlay, CPPRI, Saharanpur

9. Mr Shankar S, CPCL, Chennai

10. Shri Alok Singh, Grasim Industries

11. Dr Renu Saraph, ION Exchange India Limited, Mumbai

12. Shri Anil K Khera, ION Exchange India Limited, Mumbai

13. Shri Naba Kumar Pal, ION Exchange India Limited, Mumbai

14. Shri. Dhrumil Soni, ICC, Mumbai

15. Shri V P Ghodmare, Maharashtra State Electricity Board

16. Shri. Jai Prakash Yadav, Ministry of Drinking Water and Sanitation, New Delhi

17. Shri L.K Nayak, NTPC

18. Shri. Ankit Verma, NTPC

19. Dr Jagdish Kumar, Shriram Institute for Industrial Research, Delhi

20. Dr Vivek Naryan Singh, Shriram Institute for Industrial Research, Delhi

21. Shri Anshuman, The Energy and Resources Institute, New Delhi

22. Dr Suneel Pandy, The Energy and Resources Institute, New Delhi

23. Shri Manish Goswami, The Fertiliser Association of India

24. Shri Vijay Kumar Gupta, The Fertiliser Association of India

25. In Personal Capacity, Shri D.K Jain

26. In Personal Capacity, Dr A Lawrence

27. In Personal Capacity, Shri R S Baghel

28. Shri. Manoj Chaudhari

**ITEM 1 WELCOME AND OPENING REMARKS**

**1.1** **Welcome of the Chairperson and members by BIS.**

On behalf of Bureau of Indian Standards, BIS Sectt. welcomed Chairperson and all the Committee members to 32nd meeting of Water Quality for Industrial Purposes Sectional Committee, CHD 13. BIS Sectt. once again requested Committee members to review all the Preliminary and Wide circulation draft issued under the umbrella of this Committee and provide comments (technical as well as editorial). In case there is no comment to offer, Members, can submit that they agree with the draft. BIS Sectt. also appreciated the efforts of members to actively review the existing standards and providing the working documents for these standards.

**1.2 Opening remarks by the Chairman CHD 13.**

Shri. K P Bhattacharya, Chairperson nominated Shri. R S Baghel, In Personal Capacity to chair 32nd meeting of CHD 13 as due to technical glitch he and his team were not able to join the meeting. Shri. R S Baghel welcomed the Committee member for this meeting and requested them to actively participate during the meeting.

**ITEM 2 CONFIRMATION OF THE MINUTES OF THE 31st MEETING**

**2.1** The Committee confirmed the minutes of 31st 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** The Committee noted **Item 3.2.1** of the agenda.

**3.3** The Committee observed that representative from CERI, Karaikudi actively participated in this meeting and hence decided to retain their membership in this Committee. Further the Committee asked representative to ensure their contribution in CHD13 by attending the meeting and submitting their comments on all the drafts circulated by BIS. As these are mandates for becoming the members of CHD 13 sectional committee.

**3.4 Co-Option Request**

**3.4.1** The Committee reviewed the Co-option request and decided to not co-opt Shr. P Sridhar. However, the Committee asked BIS Sectt. add him in additional mailing list so that all the documents or correspondence is shared with him for providing his valuable comments on them. Later, based on his contribution in document review and other parameters, he may be co-opted in Panel on basis of his expertise.

**3.4.2** The Committee reviewed the Co-option request and decided to not co-opt Shri. Ganesh Bhagure. However, the Committee asked BIS Sectt. add him in additional mailing list so that all the documents or correspondence is shared with him for providing his valuable comments on the documents circulated. Later, based on his contribution in document review and other parameters, he may be co-opted in Panel on basis of his expertise.

**3.4.3** The Committee reviewed the Co-option request and decided to not co-opt Dr. Michael Rodrigues. However, the Committee asked BIS Sectt. add him in additional mailing list so that all the documents or correspondence is shared with him for providing his valuable comments on the documents circulated. Later, based on his contribution in document review and other parameters, he may be co-opted in Panel on basis of his expertise.

**ITEM 4 ISSUES ARISING OUT OF PREVIOUS MEETING**

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| **Sl. No.** | **Indian Standard/Amendments/ New Subjects** | **Decision taken in meeting** |
| **4.1** | **IS 14199 : 1995 Steam purity - Methods of sampling and test** | * The Committee decided to circulate editable copy of IS 14199 along with the comments received from Shri. Ankit Verma and Shri. VP Ghodmare to CHD 13: P1 for resolution of comments and preparation of revised draft. * Further, the Committee decided that after incorporating the editorial changes in the revised draft, it may issue into wide circulation draft for a period of 60 days. * The comments received on the WC Draft will be deliberated and discussed in CHD 13: P1. * However, in case no comments are received the draft may be finalized and sent for printing after seeking approval from the Chairperson. |
| **4.2** | **IS 2859 : 1977 Code of practice for treatment of water for locomotive boilers (First**  **Revision)** | * The Committee noted that the standard had been archived in view of lack of inputs from all the relevant stakeholders with respect to technical advancement in this subject area. |
| **4.3** | **IS 3328: 1993 Quality tolerances for water for swimming pool** | * The Committee decided to once again request Shri Vishal Gandhi, CPCB to provide the revised draft of IS 3328 within a period of 1week. * Simultaneously the Committee also decided to allocate the work of preparation of revised draft to DR. Renu Saraf, Ion Exchange and provide revised draft within period of 15 days. * The draft received from Shri. Vishal Gandhi and Dr. Renu Saraf will be issued into wide circulation for 60 days after incorporating the editorial changes. |

**ITEM 5 DRAFT STANDARDS/AMENDMENTS FOR APPROVAL FOR FINALIZATION**

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| **Sl. No.** | **IS No. and Title, Document No.** | **Decision of the Committee** |
| **5.1** | **CHD/13/24592**  **IS 1813: 1961 Code of practice for treatment of water for marine boilers (*first revision*)** | * The Committee noted that the comments received on the WC draft were resolved in the 3rd Panel meeting held on 19.06.2024. * Considering the recommendation of Panel to finalize the document, the Committee decided to finalize the draft and sent it for printing after seeking approval from the Chairperson. |
| **5.2** | **CHD/13/24671**  **IS 10392: 1982**  **Specification for feed water and boiler water for low and medium pressure boilers (*first revision*)** | * The Committee noted that the additional comments from Dr A Lawrence were received during 3rd meeting of CHD 13: P1 held on 19.06.2024, and these comments were shared with shri. Anil Khera for incorporation in WC draft. * During the meeting the Committee members reviewed the draft prepared by Shri. Anil Khera and decided to share the draft with experts from NTPC and BHEL and CHD 13: P1 for seeking their comments on the revised draft after incorporating the technical changes for period of 21 days. The comments will be discussed in CHD 13: P1. * After resolution of comments by CHD 13: P1 the draft may be finalized and sent for printing after seeking approval from the Chairperson. |
| **5.3** | **CHD/13/24438**  **IS 10496: 1983**  **Specification for feed water, boiler water and condensate high pressure boilers (*first revision*)** | * The Committee noted that the comments received on the WC draft were resolved in the 3rd Panel meeting held on 19.06.2024. * Considering the recommendation of Panel to finalize the document, the Committee decided to finalize the draft and sent it for printing after seeking approval from the Chairperson. |
| **5.4** | **CHD/13/25084**  **IS 13119: 1991**  **Ammonium bifluoride– Specification** | * The Committee noted that no comments have been received on the WC Draft the document may be finalized and sent for printing after seeking approval from the Chairperson. |

**ITEM 6 DRAFT STANDARDS/AMENDMENTS UNDER WIDE CIRCULATION**

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| **Sl. No.** | **IS No. and Title, Document No.** | **Decision in meeting** |
| **6.1** | **CHD/13/25774**  **IS 13624 : 1933 Methods of sampling and analysis of water formed deposits guidelines (*first revision*)** | * The Committee noted that the draft has been issued into wide circulation for period of 2 month on 30.05.2024. * The Committee decided that in case comments are received on WC draft will be taken up in the next sectional Committee . However, in case no comments have received the draft will be finalized and sent for printing after seeking approval from the Chairperson. |

**ITEM 7 DRAFT STANDARDS/AMENDMENTS UNDER PREPARATION**

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| **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*)** | * The Committee decided to share the draft received from Shri. Anil Khera, Ion Exchange Ltd. with Panel members for detailed deliberation and discussion on revised draft. * On the basis of recommendation of CHD 13: P1, the draft may be issued into wide circulation for 60 days. * The comments received on WC draft shall be taken up by CHD 13: P1. However, in case no comments are received, it may be finalized for printing after taking the approval from the Chairperson. |
| **7.2** | **Specification for Condensate Feed Water and Steam once through supercritical boilers** | * The Committee decided to share the working draft prepared by 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. |

**ITEM 8 PROGRAM OF WORK**

**8.1** The Committee noted **Item 9** of the agenda.

**ITEM 9 DATE AND PLACE FOR NEXT MEETING**

**9.1** The Committee decided to meet virtually in October 2024.

**ITEM 10 ANY OTHER BUSINESS**

The meeting ended with heartfelt vote of thanks to Shri. R S Baghel and all other Committee members for their active participation.