 **BUREAU OF INDIAN STANDARDS**

**AGENDA**

**33rd Meeting**

**of**

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

**Date/day : 13-12-2024/Friday**

**Time : 10:30 AM**

**Venue : Virtual**

**Meeting Link**  <https://bismanak.webex.com/bismanak/j.php?MTID=ma70af2d1516eb16094b301eefd292bfa>

**Meeting Id : 2516 201 2291**

**Password : CHD13@2024**

**Chairman :** ShriK P Bhattacharyya, BARC

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

**ITEM 1 WELCOME AND OPENING REMARKS**

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

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

**ITEM 2 CONFIRMATION OF THE MINUTES OF THE 32th MEETING**

**2.1** Minutes of the virtual **32nd** meeting of Water Quality for Industrial Purposes Sectional Committee, CHD 13 held on **04.07.2024** at BIS, New Delhi were circulated to the members via BIS Standardization portal dated **12.07.2024**. However, no comments were received on the same.

The Committee may **CONFIRM** the Minutes, as circulated.

**ITEM 3 SCOPES AND COMPOSITION OF THE SECTIONAL COMMITTEE CHD 13**

**3.1 SCOPE:** To formulate Indian Standards on terminology, specifications, method of tests, codes of practices and guidelines for:

1. Quality criteria of water for different industries.
2. Treatment of industrial water based on various end uses.
3. Issues related to industrial water chemistry such as scaling, fouling, corrosion and its remedial measures.

The Committee may **NOTE.**

**3.2 COMPOSITION OF THE SECTIONAL COMMITTEE, CHD 13**

**3.2.1** The composition of CHD 13, and Panels ALERT PANEL CHD 13: P1, ALERT PANEL CHD 13: P2, ALERT PANEL CHD 13:P3 along with the participation level of member Organization in last three meetings of CHD 13 is given at Annex I.

The Committee may **REVIEW.**

The Committee may **REVIEW** the composition keeping in view the participation level & contribution of the member organization in the last three meetings**.** The Committee may also co-opt new organizations that are capable of contributing in the new technologies/areas of work relevant to CHD 13.

**3.3 Co-Option Request**

**3.3.1** The Co-option request has been received on BIS Standardization Portal from Shri. Amit Kumar for participation in standardization work of CHD 13 as individual capacity. The resume is enclosed.



The Committee may **REVIEW and ADVISE.**

**3.3.2** The Co-option request has been received on BIS Standardization Portal from Shri. Suresh Sundaramurthy for participation in standardization work of CHD 13 as individual capacity. The resume is enclosed.



The Committee may **REVIEW and ADVISE.**

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

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| --- | --- | --- | --- |
| **Sl. No.** | **Indian Standard/Amendments/ New Subjects** | **Decision taken in previous meeting** | **Present Status** |
| **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. | * The comments received on IS 14199 have been circulated to CHD 13 P1 for resolution of comments and preparation of revised draft.   The Committee may **ADVISE**. |
| **4.3** | **IS 3328: 1993 Quality tolerances for water for swimming pool** | * The Committee after deliberating agenda item 4.3 The Committee decided to once again request Shri Vishal Gandhi, CPCB to provide the revised draft of IS 3328 within a period of 1 week. * 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. | * As decided in the last meeting, pdf was shared with Shri Vishal Gandhi and Dr Renu Saraf to prepare the revised draft. * The revised draft has been received from Shri Vishal Gandhi and is enclosed below:      * The comments have been received from Dr Renu Saraf are enclosed below:     The Committee may **ADVISE**. |

**ITEM 5 PUBLISHED STANDARDS**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **IS No. and Title** | **Current Status** |
| **5.1** | **IS 1813 : 2024**  **Treatment of water for marine boilers — Code of practice (*first revision*)** | * The standard has been published.   The Committee may **NOTE** |
| **5.2** | **IS 10496 : 2024**  **Feed water, boiler water and condensate water for high pressure boilers — Specification (*first revision*)** | * The standard has been published.   The Committee may **NOTE** |
| **5.3** | **IS 13119 : 2024**  **Ammonium bifluoride — Specification (*first revision*)** | * The standard has been published.   The Committee may **NOTE** |

**ITEM 6 DRAFT STANDARDS/AMENDMENTS UNDER PRINTING**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **IS No. and Title, Document No.** | **Current Status** |
| **6.1** | **CHD/13/25774**  **IS 13624 Methods of sampling and analysis of water formed deposits guidelines (*first revision*)** | * In the last meeting, committee noted that draft has completed wide circulation period and 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. * No comments have been received during the wide circulation. * The finalized draft standard is under print.   The Committee may **NOTE.** |

**ITEM 7 DRAFT STANDARDS/AMENDMENTS FOR APPROVAL FOR FINALIZATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **IS No. and Title, Document No.** | **Decision of the Committee in Previous Meeting** | **Current Status** |
| **7.1** | **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. | * The comments received on IS 10392 have been circulated to CHD 13 P1 for resolution of comments and preparation of revised draft.   The Committee may **ADVISE** |

**ITEM 8 DRAFT STANDARDS/AMENDMENTS UNDER PREPARATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Indian Standard/Amendments/ New Subjects** | **Decision taken in previous meeting** | **Present Status** |
| **8.1** | **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. | * The draft is yet to be circulated.   The Committee may **ADVISE**. |
| **8.2** | **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. | * The draft is yet to be circulated.   The Committee may **ADVISE**. |

**Item 9 PROGRAM OF WORK**

The program of work of Water Quality for Industrial Purposes, CHD 13 is given:



The Committee may **NOTE.**

# Item 11NWIP received

A request has been received from **Excel Industries Limited** to initiate the formulation of a standard for **Etidronic Acid**, also known as **1-Hydroxyethylidene-1,1-diphosphonic Acid**, under the scope of Water Quality for Industrial Purposes, CHD 13. This standard aims to prescribe prescribes the requirements and the methods of sampling and test for 1-Hydroxyethylidene 1,1 diphosphonic Acid (HEDP).

The **New Work Item Proposal (NWIP)** submitted by the proposer was reviewed and scrutinized by the Member Secretary. During this review process, it was noted that additional information and supporting documentation were required to proceed further with the development of the standard.

Subsequently, the proposer has provided the necessary data to support the formulation process. The following documents have been submitted for further evaluation:

1. Comprehensive working document detailing requirements, packaging and labelling and test methods as per which requirements.
2. Background literature review done report including information such as Manufacturing Base/User Industries of this in India, Information regarding Testing Facilities in India for the specified products along with the parameters they test, and Information on Grade if available for product.

These enclosed documents provide detailed insights into the technical aspects of Etidronic Acid, facilitating informed discussions and decisions regarding the standard formulation process.



The Committee may **ADVISE**.

**Item 12 Comments received on IS 12084 Morpholine - Specification (First Revision)**

The following comments have been received on IS 12084 from BASF:

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| --- | --- | --- | --- | --- |
| **Sr. No.** | **Characteristics** | **BIS Method of test/ IS reference number** | Comments received from BASF | **Required additional data** |
| 1 | Purity (as Morpholine) | IS 12084 Annexure-B | Purity by  Gas Chromatography | Method validation data attached |
| 2 | Boiling range | IS 5298 | OECD Guideline 103, Dynamic method | PDF copy of the method attached |
| 3 | Chloride (as CI) | IS 3025 (part 32) | Potentiometric method | Method validation data attached |

A copy of all the reference documents are attached.



The Committee may **ADVISE.**

# Item 11 DATE AND PLACE OF NEXT MEETING

# Item 12 ANY OTHER BUSINESS