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Date/Day/Time: 18th September 2024, Wednesday, 10:30 AM

Venue: Hybrid (Virtual + Physical) in Central Laboratory, Ghaziabad

Chairperson: Dr. N Raveendhar, EPTRI Hyderabad

Member Secretary: Ms. Shubhanjali Umrao, Sc-C, CHD

**Members Present**

1. Dr. Noor A. Khan, NEERI
2. Ms A. Sri Samyuktha, APPCB
3. Ms. M Sreeranjani , APPCB
4. Dr. Vishwajeet Thakur, MPCB
5. Dr Smita N Wagh, MPCB
6. Dr. H Rupadevi, KSPCB
7. Ms. Gouri Golsangi, KSPCB
8. Shri. Avinash Kumar, BHEL
9. Shri. Shailendra Kumar, BHEL
10. Dr. Nivedita Sahu, CSIR – Indian Institute of Chemical Technology
11. Ms. Nitasha Doger, FAD14
12. Dr. Satyakam Patnaik, CSIR – Indian Institute of Toxicology Research
13. Shri. Sumit Priyadarshi, Ministry of Jal Shakti, Department of Drinking Water and Sanitation
14. Shri. Parthsarthy, DDWS
15. Dr. Sonu Singh, MoEFCC
16. Shri. Karthikeyan, NTPC
17. Dr. Sipika Chauhan, CII
18. Shri N. Murali Mohan, In Personal Capacity
19. Shri. Apurva Doshi, FIPMA
20. Shri. Dhrumil Soni, ICC
21. Shri J. I. Sevak, ICC
22. Dr. Jagdish Kumar, Shriram Institute for Industrial Research
23. Dr. Priti Amritkar, Envirocare Laboratories Private Limited
24. Dr. Nilesh Amritkar, Envirocare Laboratories Private Limited
25. Dr. Vivek Naryan Singh, Shriram Institute for Industrial Research
26. Shri. Sanjib Kumar Goswami, Envirotech East Private Limited
27. Shri. Rakesh Mehrotra, In Personal Capacity

**ITEM 0 WELCOME AND INTRODUCTORY REMARKS**

* 1. **Welcome of Chairperson & Members by BIS**

On behalf of Bureau of Indian Standards BIS Sectt. welcomed the Chairperson Shri. N Raveendhar, EPTRI and the Committee Members to 21st meeting of Water Quality Sectional Committee, CHD 36. BIS Sectt. informed the members that as per recent process reform in standardization it is mandatory for the Committee Members to timely go through all the documents (WC and P draft) shared by BIS and submit their comments, if case of no comment’s members need to submit, “I agree with draft”. This exercise is to be done by all the members as it is one of the mandate responsibilities of Committee members. Additionally, BIS Sectt. informed them about direction received from Competent Authority that shall determine and specify the Level of Interest for each NWIP or draft standard received from ISO/IEC in the IRD Portal. Followed by designation of one or two members of the Sectional Committee to represent BIS for standards categorized as Level H (High) and M (Medium). These designated experts will act as face and voice of BIS for the project at the ISO/IEC level. The designated expert shall be responsible for providing detailed feedback on drafts and documents from ISO/IEC, assisting the Sectional Committee in developing the rationale for proposing NWIPs, finalizing proposals for leadership positions and secretariats and briefing the Sectional Committee on discussions at the ISO/IEC level.

* 1. **Opening remarks by Chairperson**

The Chairperson welcomed the Committee members and acknowledged their efforts in the timely review of Indian Standards. He encouraged members involved in national standardization to consider increasing their participation in ISO activities to ensure that Indian requirements are addressed at the international level. This would keep both the experts, and the Committee informed about relevant international developments, which could benefit India's water testing landscape. He also requested the members to follow BIS requirements, including attending meetings and submitting comments on P and WC draft documents.

**ITEM 1 CONFIRMATION OF THE MINUTES OF THE 20th MEETING**

**1.1** The Committee confirmed the minutes, as circulated.

**ITEM 2 SCOPE OF THE SECTIONAL COMMITTEE**

**2.1 The Scope of Water Quality Sectional Committee, CHD 36**

After detailed deliberation, the Committee decided to revise the scope of the Water Quality Sectional Committee. The Committee agreed that its primary role is to formulate standards for methods of sampling and testing (including physical, chemical, and biochemical methods) rather than focusing on the overall characterization of water and wastewater. This adjustment in scope is intended to better reflect the Committee's ongoing work and ensure clarity in its objectives.

The revised Scope of Water Quality Sectional Committee is as follow:

To formulate Indian Standards on:

a) Terminology,

b) Methods of sampling and analysis (physical, chemical and biochemical) of water, sewage, industrial effluents and marine water.

**Liaison: ISO TC-147 SC-0 (P):** Water quality, **ISO TC-147 SC-1 (P):** Terminology, **ISO TC-147 SC-2 (P):** Physical, chemical and biochemical methods**, ISO TC-147 SC-5 (P):** Biological methods, **ISO TC-147 SC-6 (P):** Sampling (general methods)**.**

**2.2 Composition of the Sectional Committee**

**2.2.1** The Committee reviewed Item 2.2.1 of the Agenda and decided to send a formal communication to the organizations whose representatives have missed two consecutive meetings. The organizations are as follows:

1. Central Pollution Control Board (MoEFCC), GoI, New Delhi
2. CSIR - Central Institute for Mining and Fuel Research, Dhanbad
3. Indian Water Works Association

Additionally, the Committee decided that if the representatives from these organizations do not attend the next meeting, the organizations may be considered for withdrawal from the Committee.

**2.2.2** The Committee noted **Item 2.2.2** of the Agenda.

**2.2.3** The Committee decided to once again write to the Uttar Pradesh Pollution Control Board (UPPCB) for a fresh nomination. If no response is received from UPPCB, the organization may be considered for withdrawal.

**2.2.4** The Committee noted Item 2.2.4 of the agenda.

**2.3 Co-option Request Received**

**2.3.1** The Committee decided to co-opt Prof. Kiran Bala from IIT Indore into CHD 36: P3, considering her expertise. Additionally, the Committee noted that expert had submitted comments on the ISO/DIS 16094-2 "Water Quality — Analysis of Microplastics in Water — Part 2: Vibrational Spectroscopy Methods for Waters with Low Content of Suspended Solids, including Drinking Water," and based on these comments and her expertise, the Committee decided to register her as the designated expert for the ISO/DIS 16094-2 ballot. Furthermore, the Committee also decided to nominate the Member Secretary, Ms. Shubhanjali Umrao, as a designated expert for this ballot.

**2.3.2** The Committee after detailed discussion decided to Co-opt Dr. Syeda Azeem Unnisa in Panel CHD 36: P1.

**2.3.3** The Committee decided to once again write to IOCL R&D to provide the CV of the experts nominated within 15 days. Further if no response is received the co-option request may be declined.

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**ITEM 3 ACTIONS ARISING OUT OF THE MINUTES OF PREVIOUS MEETING.**

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| **Sl. No.** | **IS No. and Title** | **Decision of the Committee in Meeting** |
| **3.1** | **IS 3025 (Part 48) : 1994 Methods of sampling and test (Physical and Chemical) for water and wastewater Part 48 mercury (First Revision)** | * The Committee noted the efforts laid down by Dr. Jagdish Kumar in preparation of revised draft and timely submission.
* The Committee observed that Dr. Jagdish Kumar has proposed deletion of Dithizone method on the basis of following reason:

  1. It is manual method and has become obsolete. As the limits are in ppb level might encounter errors at the time of determination.2. Reagent used in Dithiozone method are of hazardous nature such as mercuric chloride are not permissible to be used. Extraction is done through chloroform which is also hazardous in nature.* Further the Committee after detailed deliberation decided to remove this method and to issue the draft into wide circulation for period of 2 months to seek public comments.
* The comments received will be discussed in Committee. However if no comments are received it may be finalized and sent for printing after seeking approval from the Chairperson.
 |
| **3.2** | **IS 3025 Part (23) : 2023****Methods of Sampling and Test (Physical and Chemical) For Water and Wastewater Part 23 Alkalinity (Second Revision)** | * The Committee reviewed the recommendation received from Shri N. Murali Mohan and the comments received, and decided to prepare an amendment and circulate it widely for a period of 2 months after seeking approval from the Chairperson.
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**ITEM 4 PUBLISHED STANDARDS**

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| **Sl. No.** | **IS No. and Title** | **Decision of the Committee in Meeting**  |
| **4.1** | **IS 3025 (Part 22) : 2024**Methods of Sampling and Test (Physical and Chemical) For Water and Wastewater Part 22 Acidity (*second revision*) | * The Committee noted that the standard has been published.
 |
| **4.2** | **IS 3025 (Part 25) : 2024**Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater Part 25 Chlorine Demand (*second revision*) | * The Committee noted that the standard has been published.
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| **4.3** | **IS 3025 (Part 40) : 2024**Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater Part 40 Calcium (*second revision*) | * The Committee noted that the standard has been published.
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| **4.4** | **IS 3025 (Part 42) : 2024**Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater Part 42 Copper (*second revision*) | * The Committee noted that the standard has been published.
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| **4.5** | **IS 3025 (Part 49) : 2024**Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater Part 49 Zinc (*second revision*) | * The Committee noted that the standard has been published.
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| **4.6** | **IS 3025 (Part 10/Sec 2) : 2024****ISO 7027-2 : 2019**Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater Part 10 Turbidity Section 2 Semi-quantitative methods for the assessment of transparency of waters | * The Committee noted that the standard has been published.
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| **4.7** | **IS 3025 (Part 84) : 2024****ISO 10304-3 : 1997**Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater Part 84 Determination of chromate iodide sulfite thiocyanate and thiosulfate by liquid chromatography | * The Committee noted that the standard has been published.
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| **4.8** | **IS 3025 (Part 81) : 2024****ISO 10304-4 : 2022**Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater Part 81 Determination of chlorate chloride and chlorite in water with low contamination | * The Committee noted that the standard has been published.
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| **4.9** | **IS 3025 (Part 83) : 2024****ISO/TS 15923-2 : 2017**Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater Part 83 Chromium (VI), fluoride, total alkalinity, total hardness, calcium magnesium, iron, iron (II), manganese and aluminium with photometric detection | * The Committee noted that the standard has been published.
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| **4.10** | **IS 3025 (Part 20) : 2024**Methods of sampling and test (Physical and Chemical) for water and waste water: Part 20 dispersion characteristics (Flow Patterns) (*second revision*) | * The Committee noted that the standard has been published.
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**ITEM 5 DRAFT STANDARDS/AMENDMENTS UNDER PRINT**

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| **Sl. No.** | **IS No. and Title** | **Decision of the Committee in Meeting** |
| **5.1** | **CHD/36/25012****IS 3025 (Part 45)****Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater Part 45 Sodium and Potassium (Second Revision)** | * The Committee noted that the standard has been published.
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| **5.2** | **CHD/36/25209****IS 7022 ( Part 1)****Glossary of Terms Relating to Water Part 1 Water sewage and industrial effluents (First Revision)** | * The Committee noted that the standard has been published.
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| **5.3** | **CHD/36/25279****IS 7022 ( Part 2)****Glossary of terms relating to water Part 2 Water Supply and sewerage (First Revision)** | * The Committee noted that the standard has been published.
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**ITEM 6 DRAFT STANDARDS/AMENDMENTS FOR FINALIZATION**

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| **Sl. No.** | **IS No. and Title** | **Decision of the Committee in Meeting** |
| **6.1** | **CHD/36/25008****IS 1622** **Methods of Sampling and Microbiological Examination of Water (Second Revision)** | * The Committee requested the BIS Secretariat to organize a meeting with experts to resolve the comments received on IS 1622.
* Furthermore, the Committee decided that if significant technical modifications are made to the draft, it may be considered for a second wide circulation. Otherwise, it may be finalized and sent for printing after obtaining approval from the Chairperson.
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| **6.2** | **CHD/36/26063****IS 17614 (Part 1): 2021****ISO 5667-1: 2020****Water Quality - Sampling Part 1 Guidance on the design of sampling programmes and sampling techniques** | * The Committee noted that no technical comments had been received and hence decided to finalize the draft and send it for printing.
* As this standard has been adopted by the Committee under dual numbering IS 17614 (Part 1): 2021/ISO 5667-1: 2020, the Committee decided to issue the revised draft for wide circulation for a period of 2 months.
* Comments received on the WC Draft will be discussed by the Committee. If no comments are received, it will be processed further for printing with approval from the Chairperson.
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| **6.3** | **CHD/36/26065****IS 17614 (Part 3): 2021ISO 5667-3: 2018****Water Quality - Sampling Part 3 Preservation and Handling of Water Samples (First Revision)** | * The Committee noted that no comments have been received and hence decided to finalize the draft and sent the draft for printing.
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| **6.4** | **CHD/36/26079****IS 3025 (Part 65): 2022****ISO 17294-2: 2016****Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry ( ICP-MS ) — Determination of selected elements including Uranium Isotopes (*first revision*)** | * The Committee noted that no comments have been received and hence decided to finalize the draft and sent the draft for printing.
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| **6.5** | **CHD/36/26051****IS 3025 (Part 64): 2015/ISO 17294-1: 2004 Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater: Part 64 Application of Inductively Coupled Plasma Mass Spectrometry (ICP - MS) - General Guidelines** | * The Committee noted that no comments have been received and hence decided to finalize the draft and sent the draft for printing.
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**ITEM 7 DRAFT STANDARDS/AMENDMENTS TO BE ISSUED IN WIDE CIRCULATION**

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| **Sl. No.** | **IS No. and Title** | **Decision of the Committee in Meeting** |
| **7.1** | **IS 3025 (Part 38): 1989 Water and wastewater - Methods of sampling and test Physical and Chemical Part 38 dissolved oxygen First Revision** | * The Committee decided to issue the draft into wide circulation for period of 2 month after incorporating the editorial correction in revised draft provided by Shri. Sanjib Goswami.
* Comments received on WC Draft will be discussed by the Committee. If no comments received it will be processed further for printing with approval from the Chairperson.
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| **7.2** | **CHD/36/26239****ISO 23256:2023****Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 85 Detection of selected congeners of polychlorinated dibenzo-p-dioxins and polychlorinated biphenyls Method using a flow immunosensor technique** | * The Committee noted that no technical comments have been received and hence decided to issue it into wide circulation for period of 2 months.
* Comments received on WC Draft will be discussed by the Committee. If no comments received it will be processed further for printing with approval from the Chairperson.
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| **7.3** | **ISO/TS 5667-25:2022****Water quality — Sampling Part 25: Guideline on the validation of the storage time of water samples** | * The Committee noted the recommendation submitted by Dr. Noor A Khan, NEERI and decided to issue the standard into wide circulation for a period of 2 month to solicit comments.
* Comments received on WC Draft will be discussed by the Committee. If no comments received it will be processed further for printing with approval from the Chairperson.
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| **7.4** | **ISO 5667-26:2022****Water quality — Sampling Part 26: Guidance on sampling for the parameters of the oceanic carbon dioxide system** | * The Committee once again request Dr. Durbar Ray, NIO to submit his recommendations in format shared by BIS Sectt. on whether they should be adopted as Indian Standards.
* If approved for adoption, the standards will be circulated into WC for 2 months. Comments received on WC will be discussed by Committee/Panel 1. If no comments are received on the WC draft, it shall be processed for printing with approval of the Chairperson.
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| **7.5** | **ISO/TS 7013:2023****Water quality — Guidance and requirements for designing an interlaboratory trial for validation of analytical methods** | * The Committee once again request Dr. Priti Amritkar to submit his recommendations in format shared by BIS Sectt. on whether they should be adopted as Indian Standards.
* If approved for adoption, the standards will be circulated into WC for 2 months. Comments received on WC will be discussed by Committee/Panel 1. If no comments are received on the WC draft, it shall be processed for printing with approval of the Chairperson.
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| **7.6** | **ISO 24384:2024****Water quality — Determination of chromium(VI) and chromium(III) in water — Method using liquid chromatography with inductively coupled plasma mass spectrometry (LC-ICP-MS) after chelating pretreatment** | * The Committee once again request Dr. Priti Amritkar to submit his recommendations in format shared by BIS Sectt. on whether they should be adopted as Indian Standards.
* If approved for adoption, the standards will be circulated into WC for 2 months. Comments received on WC will be discussed by Committee/Panel 1. If no comments are received on the WC draft, it shall be processed for printing with approval of the Chairperson.
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| **7.7** | **IS 3025 (Part 73): 2021****ISO 20236 : 2018****Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater Part 73 Instrument Based Method for Determination of Total Organic Carbon (TOC), Dissolved Organic Carbon (DOC), Total Bound Nitrogen (TNb) and Dissolved Bound Nitrogen (DNb)** | * The Committee noted that ISO/FDIS 2236 is under print at ISO and decided that once published may be considered for adoption.
* Further the Committee after publication ISO 20236: 2024 it may be issued into wide circulation for period of 2 month after seeking approval from the Chairperson.
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**ITEM 8 DRAFT STANDARDS/AMENDMENT UNDER PREPARATION**

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| **Sl. No.** | **Draft Standard/Amendment under preparation** | **Decision of the Committee in meeting** |
| **8.1** | **Determination of free ammonia in water and wastewater.** | * The Committee once again requested Shri. N Raveendhar, EPTRI to provide the working document on determination of free ammonia in water and wastewater within a period of 10 days.
* Further the draft received will be circulated among the Committee Members as preliminary draft for a period of 21 days.
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| **8.2** | **Determination of polyelectrolyte in water and wastewater.** | * The Committee noted that first report submitted byDr. Mohit Garg, BITS Pilani and recommended BIS Sectt to communicate proposer that toxicological information related to polyelectrolyte to be included in second report.
* Further the Committee, decided that 2nd Installment may be released once Proposer has submitted Fund utilization certificate.
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**ITEM 9 INTERNATIONAL ACTIVITIES**

**9.1** **Membership status of ISO/TC**

The Committee noted Item 9.1 of the Agenda.

**9.2.1 Registered Indian Experts**

The Committee noted Item 9.2.1 of the Agenda.

**9.2.2 Designation of experts on ISO Documents.**

BIS Sectt. informed members about direction received from Competent Authority that shall determine and specify the Level of Interest for each NWIP or draft standard received from ISO/IEC in the IRD Portal. Followed by designation of one or two members of the Sectional Committee to represent BIS for standards categorized as Level H (High), M (Medium)and Low (L). These designated experts will act as face and voice of BIS for the project at the ISO/IEC level. The designated expert shall be responsible for providing detailed feedback on drafts and documents from ISO/IEC, assisting the Sectional Committee in developing the rationale for proposing NWIPs, finalizing proposals for leadership positions and secretariats and briefing the Sectional Committee on discussions at the ISO/IEC level.

The BIS Secretariat demonstrated the IR Portal to the Committee members and guided them on how to use the portal to view ISO ballots shared with them, submit their inputs, and express interest in becoming designated members for ballots. The Committee reviewed the ISO ballot list and nominated designated experts for the working documents (NP, NWIP, CD, DIS). The list is enclosed.



The Committee thoroughly reviewed the scope of Study groups of ISO/TC 147/SC 2, ISO/TC 147/SC 5 and ISO/TC 147/SC 6 and nominated following experts:

**ISO/TC 147/SC 2/WG 16 Wastewaters**

1. Dr. Noor A Khan, NEERI Nagpur
2. Shri. N Murali Mohan, In Personal Capacity
3. Ms. Shubhanjali Umrao, Scientist- C /Deputy Director, BIS

**ISO/TC 147/SC 2/JWG 1 Microplastics**

1. Prof. Kiran Bala,, IIT Indore
2. Ms. Shubhanjali Umrao, BIS Sectt.

**ISO/TC 147/SC 2/WG 86 Chlorophenols**

1. Dr. Priti Amritkar, Envirocare Labs
2. Shri. N Raveendhar, EPTRI

**ISO/TC 147/SC 6/WG3 Preservation and handling of samples**

1. Shri. N Murali Mohan, In Personal Capacity
2. Shri. N Raveendhar, EPTRI

**ISO/TC 147/SC 2/WG48 QA/QC**

1. Dr. Priti Amritkar, Envirocare Labs
2. Shri. N Raveendhar, EPTRI
3. Ms. Shubhanjali Umrao, BIS Sectt.

**ISO/TC 147/SC 5/SG 14 eDNA**

1. Dr. Nivedita Sahu, IICT Hyderabad

**9.3 Participation in Meeting**

**9.3.1** The Committee noted that the 36th Plenary Meeting of ISO/TC 147 ‘Water Quality,’ along with its SCs and WGs, will be held in Bongeunsa-ro (Republic of Korea) from 28th October to 2nd November 2024. The agenda and meeting notice have been shared with the Committee members. Considering the recent reforms, the Committee nominated experts for the working groups to attend the meeting. Additionally, the Committee approved the following final delegation for attending the 36th Plenary Meeting of ISO/TC 147 ‘Water Quality,’ its SCs, and WGs in Bongeunsa-ro (Republic of Korea) in person from 28th October to 2nd November 2024:

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| **Name of Delegate** | **Mode of participation** | **Meeting details** |
| Dr. Priti Amritkar, Envirocare Labs | Virtual | ISO/TC 147/SC 2/WG 86 Chlorophenols (**29.10.2024**) |
| ISO/TC 147/SC 2/WG48 QA/QC (**30.10.2024**) |
| Dr. Noor A Khan, NEERI Nagpur | Virtual | ISO/TC 147/SC 2/WG 16 Wastewaters (**28.10.2024**) |
| Shri. N Murali Mohan, In Personal Capacity | Virtual | ISO/TC 147/SC 2/WG 16 Wastewaters **(28.10.2024)** |
| ISO/TC 147/SC 6/WG3 Preservation and handling of samples **(29.10.2024)** |
| Prof. Kiran Bala,, IIT Indore | Virtual | ISO/TC 147/SC 2/JWG 1 Microplastics**(29.10.2024)** |
| Dr. Nivedita Sahu, IICT Hyderabad | Virtual | ISO/TC 147/SC 5/SG 14 eDNA **(29.10.2024)** |
| Shr. N Raveendhar, EPTRI | Face to face  | ISO/TC 147/SC 2/WG 86 Chlorophenols (**29.10.2024**) |
| ISO/TC 147/SC 6/WG3 Preservation and handling of samples **(29.10.2024)** |
| ISO/TC 147/SC 2/WG48 QA/QC (**30.10.2024**) |
| Plenary meeting of ISO/TC 147/SC 6 **(31.10.2024)** |
| Plenary meeting of ISO/TC 147/SC 1 **(01.11.2024)** |
| Plenary meeting of ISO/TC 147/SC 2 **(01.11.2024)** |
| Plenary meeting of ISO/TC 147/SC 5 **(01.11.2024)** |
| Plenary meeting of ISO/TC 147 **(02.11.2024)** |
| Ms. Shubhanjali Umrao | Face to face | ISO/TC 147/SC 2/WG 16 Wastewaters (**28.10.2024**) |
| ISO/TC 147/SC 2/JWG 1 Microplastics **(29.10.2024)** |
| ISO/TC 147/SC 2/WG48 QA/QC (**30.10.2024**) |
| Plenary meeting of ISO/TC 147/SC 6 **(31.10.2024)** |
| Plenary meeting of ISO/TC 147/SC 1 **(01.11.2024)** |
| Plenary meeting of ISO/TC 147/SC 2 **(01.11.2024)** |
| Plenary meeting of ISO/TC 147/SC 5 **(01.11.2024)** |
| Plenary meeting of ISO/TC 147 **(02.11.2024)** |
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**ITEM 10 PROGRAMME OF WORK (INCLUDING PERIODIC REVIEW OF INDIAN STANDARDS)**

**10.1** The Committee noted Item 10.1 of the Agenda.

**ITEM 11 COMMENTS ON PUBLISHED STANDARDS**

**11.1 Comments received on IS 3025 Part 44**

The Committee after detailed deliberation and discussion requested Shri. N Raveendhar to review the comment and prepare the draft amendment for IS 3025 (Part 44).

**ITEM 12 DATE AND PLACE OF NEXT MEETING**

Hybrid meeting in November 2024.

**ITEM 13 VISIT TO WATER TESTING FACILITY IN CENTRAL LABORATORY GHAZIABAD.**

The Chairperson, accompanied by the Committee members, visited water testing facilities in Central Laboratory, Ghaziabad. The purpose of the visit was to evaluate the current practices in water quality testing and to explore the facilities' capabilities in ensuring compliance with both national and international water quality standards.

During the visit, the Chairperson and the Committee members were given a comprehensive tour of the laboratories. The tour included demonstrations of advanced water sampling techniques, in-depth analyses of key water quality parameters such as pH, turbidity, dissolved oxygen, and microbial content, and insights into the use of cutting-edge technologies for water quality monitoring. The technical staff at the water testing facilities presented detailed explanations of the various instruments and methodologies employed in testing. These include spectrophotometers, chromatographs, and microbiological analysis tools used to assess the presence of contaminants such as heavy metals, pesticides, and pathogens. The Committee members engaged in discussions with the laboratory experts about the challenges of ensuring water quality, particularly in high-risk areas, and explored possible improvements to testing protocols to enhance accuracy and efficiency.

The visit also provided an opportunity for the Committee to assess the labs' proficiency in conducting routine tests as well as complex evaluations required for industrial and environmental compliance. The Chairperson emphasized the importance of maintaining rigorous testing standards to protect public health and preserve water resources.

In addition to assessing the technical aspects, the Committee took note of the facilities infrastructure and operational efficiency. Discussions were held regarding potential upgrades to equipment and staff training to keep pace with emerging water quality issues and technological advancements. The visit concluded with a commitment from the Chairperson to continue supporting the enhancement of water testing capabilities in line with national priorities and international standards.

The outcomes of the visit will inform future recommendations for the development and revision of water quality standards, ensuring that the regulatory framework remains robust and reflective of the latest scientific and technological developments.

**ITEM 14 VOTE OF THANKS**

The meeting and laboratory visit concluded with a heartfelt vote of thanks to the Chairperson and Committee members. The lab staff and organizers expressed their sincere gratitude for the time, effort, and valuable insights provided by the Chairperson and the Committee throughout the visit.