

**CHEMICAL DEPARTMENT**

**AIR QUALITY SECTIONAL COMMITTEE, CHD 35**

**MINUTES OF 18th MEETING**

|  |  |
| --- | --- |
| Date/Day/Time | 13th June 2024, Thursday, 10:30 hours |
| Venue | Virtual Meeting (Webex) |
| Chairman | Dr. Gauri Pandit ,In Personal Capacity |
| Member Secretary | Preeti Prabha, Sc. C |

**Members Present:**

|  |  |
| --- | --- |
| S.no | Name |
|  | Dr. Gauri Pandit (Chairperson) , CHD 35 |
|  | Dr. Rajendra Prasad, Ecotech Instruments ,Noida |
|  | Dr. S.K. Goyal , National Environments Engineering Research Institute, Nagpur |
|  | Mr. Sanjib Kumar Goswami, Envirotech East Pvt Ltd. |
|  | Dr. J.S Sharma , Indian Association for Air Pollution Control, New Delhi |
|  | Dr. P D. Khadkikar, MPCB Mumbai |
|  | Mr. Kishore Gawankar, MPCB Mumbai |
|  | Mr.Manish Goswami,FAI Delhi |
|  | Mr. KRP Nath,NCCBM,Ballabhgarh |
|  | Mr. Aditya Sharma , CPCB |
|  | Dr. Shankar Agarwal, CSIR National Physical Laboratory |
|  | Dr. Tuhin Kumar Mandal, CSIR National Physical Laboratory |
|  | Mr. Dhrumil Soni, ICC ,Mumbai |
|  | Mr. Vijay Prakash, NTPC Delhi |
|  | Mr. Vinayak Valsangkar, Uniphos Envirotronic Private Limited, Mumbai |
|  | Ms Sonika Pawar, Green Economy Initiatives Private Limited, Mohali |
|  | Dr SNA Rizvi, Personal Capacity |
|  | Dr. N Raveendhar, Personal Capacity |

**Other Participants:**

1. Mr. Rajesh Malik , NTPC
2. Mr. Ashish , FAI , Delhi

**BIS Officials:**

1. Ms. Preeti Prabha, Sc. C, Member Secretary, CHD 35

**ITEM 0 WELCOME AND OPENING REMARKS**

**0.1Welcome and opening remarks by Bureau of Indian Standards**

On behalf of BIS, Ms. Preeti Prabha, Member Secretary of CHD 35 extended a warm welcome to the Chairperson and all members of the committee to the 18th meeting of Air Quality Sectional Committee i.e CHD 35 and thanked them for sparing their valuable time for supporting BIS, the National Standards Body of India in its pursuit of standardization.

**0.2 Opening Remarks by the Chairperson**

Dr. Gauri Pandit, Chairperson of CHD 35, welcomed all the members to the 18th meeting of CHD 35. She reiterated in brief the about the Research Evaluation Committee formed for the evaluation of R & D projects received for Air Quality Sectional Committee , CHD 35. She also encouraged members for their active contribution in Committee’s work and urged them for fruitful discussions during the meeting.

ITEM 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

The Committee confirmed the minutes of the 17th meeting of CHD 35 held on 21st March 2024 as no comments were received on the circulated minutes.

**ITEM 2 SCOPE AND COMPOSITION OF COMMITTEE**

**2.1 Scope -** The Committee reviewed and confirmed the present title and scope of CHD 35.

**2.2 Composition of CHD 35 & Subcommittees of CHD 35**

The Committee reviewed and confirmed the present composition of CHD 35.

**2.3 CO-OPTION REQUEST**

**2.3.1** The Committee discussed the decision of Panel 1 for co-option request received and decided the following**:**

1. Mr. Shekh Tazimul Haque Faridi , Dyson Technology Pvt Ltd, Gurugram, – The Committee decided to Co-opt Mr. Shekh Tazimul Haque Faridi in Technical Committee, CHD 35.

**3 PROCESS REFORM AT BIS**

**3.1 PRESENTATION ON PROCESS REFORMS IN THE STANDARDIZATION ACTIVITIES**

**3.1.1** During the meeting, the member secretary delivered a presentation process reforms in the standardization activities of the Bureau of Indian Standards (BIS). She highlighted that by addressing these areas for improvement, BIS aims to strengthen its standardization activities and ensure that they align with the evolving needs of industries, stakeholders, and the international landscape.

**3.1.2** The committee members were provided with insights into the initiatives undertaken by BIS for the identification of new areas for standardization. They were informed that BIS has developed a Standard National Action Plan 2022-2027, which serves as a roadmap for identifying and prioritizing new areas for standardization. This plan outlines the strategic direction and focus areas based on the current and future needs of industries, consumers, and other stakeholders. She also informed that BIS has proactive step to collaborate with central ministries, departments, and state governments to obtain inputs from their Annual Program of Standardization on potential areas that require standardization.

**3.1.3** They were apprised that BIS has a vision of establishment of standardization cells, in industry associations to actively engage with industry representatives. These cells serve as platforms for industry associations to communicate their standardization requirements and suggest new areas that could benefit from the development of standards. In addition, BIS maintains close interaction with prominent faculty members from academia institutions to stay updated on the latest research, technological advancements, and emerging areas in Air Quality.

**3.1.4** The Committee members were informed that by leveraging these initiatives, BIS aims to gather comprehensive information and insights from various sources, including central ministries, state governments, industry associations, academia, and research papers which at later stage helps in the identification of new areas where standards can be developed to address evolving needs and promote quality, safety in Air Quality products. The Committee noted it.

**3.1.5** The Member Secretary informed the Committee Members that BIS has laid emphasis on effective stakeholder management through various approaches to ensure engagement, collaboration, and harmonious development of standards. Through these stakeholder management strategies, BIS aims to foster active participation, gather diverse perspectives, and promote collaboration to develop effective and relevant standards that meet the needs of various stakeholders and contribute to national development. The Committee took a note of same.

**3.1.6** The Committee members were provided insights into effective Committee management strategy through adequate representation from all the relevant stakeholders as diverse and knowledgeable committee composition helps in developing comprehensive and well-rounded standards. The Committee members were requested to maintain the regular attendance as it fosters continuity and efficient decision-making processes. The Committee members were requested to adopt Action Research Project approach for review of Pre 2000 standards to improve and refine the standards, ensuring they remain up to date and effective in addressing Air Quality concerns. The Committee took a note of it.

**3.1.7** As Standards promotion is a critical aspect of the standardization process to increase awareness, adoption, and understanding of standards among relevant stakeholders. The committee members were enlightened about awareness campaign such as formation of 4200 new standards club, residential training for mentors from each of these institutions, 51 lesson plans under Learning science via Standards developed, and District Level Officers (DLO) sensitizing programs organized at 491 districts. The committee expressed its appreciation for the efforts of BIS (Bureau of Indian Standards) in various initiatives and programs, including the establishment of the Standard Club, awareness programs like DLO training, and initiatives such as Manak Manthan and Manak Manch.

**3.2 RESEARCH ACTIONS PROJECTS**

**3.2.1** The BIS Secretariat apprised the Committee members of the recent office order outlining reforms in the standardization process. The BIS Secretariat also shared information about a new initiative by BIS, emphasizing a research and development (R&D) approach for every standard undergoing revision and for new subjects. This initiative aims to enhance the quality and relevance of standards through a more dynamic and informed process.

**3.2.2** The Committee noted and appreciated the process reforms initiated by BIS in the standardization process.

**3.2.3** The Committee noted the status of the ToR that are under preparation

**3.3 ROLLING ACTION PLAN 2024-2025**

**3.3.1**The committee noted that Annual Action Plan is an important instrument as it helps to plan for the entire year the activities to be undertaken by the committee it inter-alia includes documents under development, meetings, new subjects to be taken up, etc. However, the action plan should also have agility to accommodate new requirements arising at any point of time. BIS management therefore emphasizes on preparation of the Rolling Annual Action Plan and advises committees to prepare the one for the year 2024-2025. The committee after detailed discussion decided to prepare a draft rolling action plan for CHD 35 2024-2025.

**3.3.2**The action plan should outline the count and details of new subjects that are currently under development within Air Quality Sectional Committee. The action plan should also highlight the standards that have been identified for revision to ensure that existing standards remain up to date, incorporating new research, advancements, and best practices in the field of Air Quality. The timelines for these revision projects are also need to be shared, indicating the expected completion dates.

**3.4 ANNUAL MEETING CALENDAR OF TECHNICAL COMMITTEE MEETINGS**

The member secretary shared the annual meeting calendar during the meeting, which provides a schedule of the upcoming meetings and important events related to the activities of the committee. The annual meeting calendar serves as a roadmap for the committee members, allowing them to plan their participation and engagement in the standardization process. By sharing this calendar, the member secretary enables the committee members to effectively plan and contribute to the standardization activities according to the established schedule.

**3.5 NATIONAL AND INTERNATIONAL EVENTS TO BE PARTICIPATED**

**3.5.1** The member secretary informed the committee about BIS's initiative to attend and participate in national and international events related to Air Quality. The purpose of this initiative is to actively engage with the Air Quality community, exchange knowledge and best practices, and promote the work being done by BIS in this field. The Member Secretary informed the members that as of now BIS has identified 1 national and 1 international conference to be attended. The member secretary requested the committee members to inform BIS if any event related to Air Quality is organized at their respective forums. In such cases, BIS can deliver presentations to disseminate information about important standards that are under development or have been published under CHD 35 (the relevant technical committee responsible for Air Quality standards).

**3.5.2** By participating in these events and delivering presentations, BIS aims to create awareness about the ongoing standardization efforts, highlight the importance of Air Quality standards, and foster collaboration and information sharing within the Air Quality community. This initiative enhances the visibility of BIS's work and promotes the adoption and implementation of relevant standards by stakeholders in the field of Air Quality.

**3.6** The committee noted the item 3.6 of Agenda and decided to review and examine the New Work Item Proposal in every quarter to formulate the National view point for each and every ballots.

**3.7** The Committee noted the item 3.7 of the Agenda.

**3.8 SCIENTIFIC JOURNALS AND PERIODICALS TO BE SUBSCRIBED**

**3.8.1** BIS is in process to taking subscription to relevant journals and research papers to stay informed about the latest developments in various fields to access cutting-edge research and identification of potential areas for standardization based on the findings and recommendations presented in these publications.

**3.8.2** The Committee noted Item 3.6 of Agenda and requested members to provide their recommendations on the scientific journals and periodicals which need to be subscribed for development of standards in field of Air Quality.

**3.9 CREATION OF POOL OF EXPERTS**

The Committee noted that the optimum size of a committee as 25-30 members. Further, representations of various interest groups in the committee have also to be ensured. Considering the facts, sometime it felt by the committees that it lacks requisite expertise for developing some specific subject standards. It is therefore essential that a pool of experts has to be created be through establishment of sub-committees or panels or WC mailing lists or other modes.

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

**4.1 Revision of A5 and pre -2000 Published Standards**

|  |  |  |
| --- | --- | --- |
| **Sl no.** | **IS No./Title** | **Committee Decision** |
| 1. | IS 5182 (Part 3): 1970  Methods for measurement of air pollution: Part 3 Radioactivity (particulate in air) | * The document was sent into wide circulation for 2 months. * The Comments received on the WC draft were disposed of by the Committee during the meeting. * The Committee after suggesting some changes in the draft requested Member Secretary to draft/format the clauses of the standard as per the new format adopted by Committee. * Further, the Committee decided to finalize the draft for printing after making the corrections suggested and with approval of Chairperson. |
| 2. | IS 5182 (Part 4): 1999  Methods for measurement of air pollution: Part 4 suspended - Particulate matter (First Revision) | * The Committee decided to keep finalization of this document on hold until the results are announced for the R and D proposal received by BIS on this subject. |
| 3. | IS 5182 (Part 8): 1976  Methods for measurement of air pollution: Part 8 Sulphation rate | * The inputs for the revision of the standard are still awaited from Dr. S.K. Tyagi. * The Committee **NOTED** the status of the document and requested Dr. Tyagi to provide the Working document. |
| 4. | [IS 5182 ( Part 10) : 1999](https://www.services.bis.gov.in:8071/php/BIS_2.0/bisconnect/standard_review/Standard_review/Isdetails?ID=MTE5Mzc%3D)  Methods for measurement of air pollution: Part 10 carbon monoxide (First Revision) | * The ToR approved by the Committee will be put up before Screening Committee. * The Committee **NOTED** the status. |
| 5. | IS 5182 (Part 13): 1991  Methods of measurement of air pollution: Part 13 total  fluorides in ambient air | * The ToR approved by the Committee will be put up before Screening Committee. * The Committee **NOTED** the status. |
| 6. | IS 5182 (Part 15): 1974  Methods for measurement of air pollution: Part 15 mass concentration of particulate matter in the atmosphere | * The ToR is under preparation. * The Committee **NOTED** the status of the document. |
| 7 | IS 5182 (Part 16): 1980  Methods for measurement of air pollution: Part 16 recommended practice for collection by filtration and determination of mass, number and optical sizing of  atmospheric particulates | * The ToR is under preparation. * The Committee **NOTED** the status of the document. |
| 8 | IS 5182 (Part 17): 1979  Methods for measurement of air pollution: Part 17 C1 to C5 hydrocarbons in air by gas chromatography | * The ToR approved by the Committee will be put up before Screening Committee. * The Committee **NOTED** the status of the ToR. |
| 9 | IS 5182 (Part 18): 1974  Methods for measurement of air pollution: Part 18 continuous analysis and automatic recording of the oxidant content of the  atmosphere | * The ToR is under preparation. * The Committee **NOTED** the status of the document. |
| 10 | IS 5182 (Part 20): 1982  Methods for measurement of air pollution: Part carbon disulphide | * The ToR is under preparation. * The Committee **NOTED** the status of the document. |
| 12 | IS 11255 (Part 1): 1985  Methods for measurement of emissions from stationary sources: Part 1 particulate matter | * The ToR pertaining to this subject was hosted on the BIS website. * The Committee **NOTED** the status**.** |
| 13 | IS 11255 (Part 2): 1985  Methods for measurement of emissions from stationary sources: Part 2 sulphur dioxide | * The ToR pertaining to this subject was hosted on the BIS website. * The Committee **NOTED** the status**.** |
| 14. | IS 11255 (Part 5): 1990  Methods of measurement of emissions from stationary sources: Part 5 total fluoride | * The ToR pertaining to this subject was hosted on the BIS website. * The Committee **NOTED** the status**.** |
| 15. | IS 11255 (Part 6): 1999  Methods of measurement of emissions from stationary sources: Part 6 ammonia | * The ToR approved by the Committee will be put up before Screening Committee. * The Committee **NOTED** the status**.** |
| 16. | IS 13270: 1992  Test for gases by orsat and chromatographic methods - Methods | * The ToR is under preparation. * The Committee **NOTED** the status of the document. |
| 17. | IS 11255 (Part 7): Emission of Nitrogen oxides from stationary source emission | * The ToR approved by the Committee will be put up before Screening Committee. * The Committee **NOTED** the status**.**. |

**ITEM 5 DRAFT STANDARDS/AMENDMENTS SENT FOR PRINTING**

|  |  |  |
| --- | --- | --- |
| **Sl No.** | **IS No./Title** | **Current Status** |
| 1. | IS 18637-1 :2024  (CHD/35/17328)  Cleanrooms and associated controlled environments Part 1: Classification of air cleanliness by particle concentration | * The document is under printing. * The Committee **NOTED** the status. |
| 2. | IS 5182-27 : 20XX  CHD/35/[19220](https://www.services.bis.gov.in/php/BIS_2.0/StandardsFormulationV2/Upload3.php?ID=OTFKdlJmdGVmNzNkTXJWbnZUQnY0UT09)  Methods For Measurement Of Air Pollution Part 27 Vapour-phase organic chemicals vinyl chloride to nC22 hydrocarbons in air and gaseous emissions by diffusive passive sampling onto sorbent tubes or followed by thermal desorption TD | * The document is under printing. * The Committee **NOTED** the status. |

**ITEM 6 DRAFT DOCUMENT UNDER /COMPLETED P DRAFT STAGE**

|  |  |  |
| --- | --- | --- |
| **Sl No.** | **IS No./Title** | **Current Status** |
| 1 | CHD/35/25505  Methods for Measurement of Air Pollution Part XX Vapor Phase Mercury in Ambient Air Sec 1 Cold-Vapor Atomic Fluorescence Spectrometer method by Amalgamation Principle | * The document has been circulated as P- Draft through portal for period of 1 month on 01-05-2024. * No Comments have been received on the draft, so the Committee decided to send the draft for wide circulation for period of 2 months. |
| 2 | CHD/35/25502  Method Measurement of air pollution Part X Vapor Phase Mercury in Ambient Air Sec 2 Cold-Vapor Atomic Absorption or Fluorescence Spectroscopy CVAFS Method Using Acidified solution of KMnO4 | * The document has been circulated as P- Draft through portal for period of 1 month on 01-05-2024. * No Comments have been received on the draft, so the Committee finalized the draft for wide circulation for period of 2 months. |

**ITEM 7 DRAFT DOCUMENT UNDER WIDE CIRCULATION/COMPLETED WIDE CIRCULATION**

|  |  |  |
| --- | --- | --- |
| **Sl No.** | **IS No./Title** | **Current Status** |
| 1 | IS 5182 (Part 28): 20XX (19221) Methods for Measurement of Air Pollution Vapor phase organic chemicals C3 to nC30 hydrocarbons in air and gaseous emissions Sampling by pumped sorbent tubes followed by thermal desorption and capillary gas chromatography analysis. | * The document has been sent into wide circulation for 2 months. * If comments are received on the WC draft, the comments will be discussed in the next Committee Meeting. * If no comments are received on the WC draft, the document will be finalized with the approval of Chairperson. |
| 2 | IS 17148 : Part 1: 2019  CHD/35/25059  Performance Characteristics of Automated Measurement Systems Part 1 Carbon Monoxide Carbon Dioxide and Oxygen from Stationary Sources | * The document has been sent into wide circulation for 2 months. * No Comments have been received on the WC draft, so the Committee finalized the draft and sent it for printing. |
| 3 | IS 5182 : Part 3: 1970  CHD/35/25082  Methods for measurement of air pollution: Part 3 Radioactivity (particulate in air) | * The document was sent into wide circulation for 2 months. * The Comments received on the WC draft were disposed of by the Committee during the meeting. * The Committee after suggesting some changes in the draft requested Member Secretary to draft/format the clauses of the standard as per the new format adopted by Committee. * Further, the Committee decided to finalize the draft for printing after making the corrections suggested and with approval of Chairperson.a |

**ITEM 8 DRAFTS UNDER PREPARATION**

|  |  |  |
| --- | --- | --- |
| **Sl No.** | **IS No./Title** | **Committee Decision** |
| 1. | ISO 16911-1:2013 Stationary source emissions -- Manual and automatic determination of velocity and volume flow rate in ducts -- Part 1: Manual reference Method | * The Committee noted the status of the document and requested the task group to provide the working document. * The members involved in the task group are as follows:   ➢Dr.Rajendra Prasad  ➢Dr. N Raveendhar  ➢Dr. S K Goyal  ➢Dr.Nandini Kumar  ➢Dr. R S Saini |
| 2. | IS 5182-25: 2018 Methods for Measurement of Air Pollution Part 25 Ammonia | * The Committee deliberated on the draft received from the task group and after discussion Committee decide to circulate the draft as P draft for period of one month. * The draft prepared by task group is attached below : |
| 6. | Methods for measurement of air pollution: Arsenic | * The Committee discussed and decided to drop the subject item form the Program of work as the standard on ‘’Metals in Ambient Air’’ will incorporate the test method for measurement of Arsenic also. |
| 7. | Metals in Ambient Air | * The Committee deliberated on the draft received from the task group and after discussion Committee decide to circulate the draft as P draft for period of one month. * The draft prepared by task group is attached below : |
| 8. | Specification for Sensor Based Particulate Matter (PM 10 & PM2.5) Instruments | * The Committee deliberated on the framework received from Confederation of Indian Industry. * The Committee requested BIS Secretariat to send the framework received from Confederation of Indian Industry to Dr. Shankar Aggarwal, so that Dr. Shankar Aggarwal can prepare and provide the draft for Specification for Sensor Based Particulate Matter (PM 10 & PM2.5) Instruments. |
| 9. | EN 15267-1:2009 Certification of automated measuring systems. General principles | * The Committee deliberated on the adoption of the EN standards and decided that to adopt/ rewrite the European Standards and send it as P-draft for comments. Further, Committee requested BIS secretariat to adopt/ rewrite these European Standards and send it to the Committee Members for their Inputs. |
| 10. | EN 15267-2:2009 Certification of automated measuring systems. Initial assessment of the AMS manufacturer's quality management system and post certification surveillance for the manufacturing process |
| 11 | EN 15267-3 Certification of automated measuring systems - Performance criteria and test procedures for automated measuring systems for monitoring emissions from stationary sources |

**ITEM 9 INTERNATIONAL ACTIVITY**

**9.1 Membership Status in ISO/TC/146/SC 1**

The Committee noted the item no. 9.1 of agenda

**9.2 Participation as P Members:**

**9.2.1** The Committee discussed the Registered Indian Experts for different ISO Committees i.e. ISO/TC 146, its subcommittees and working Groups.

**9.3 Scope of ISO/TC 146 and its Sub Committees**

The Committee noted the scope of ISO/TC 146 and the list of standards published by ISO/TC 146 and its SCs.

**9.4 Standards Adopted by BIS and are being considered by ISO for Revision**

The Committee noted that no standard adopted by BIS is under revision in ISO.

**9.5 New standards under development at ISO/TC 146 and its Sub-committees**

**9.5.1** The Committee discussed the new standards that are under development at ISO/TC 146 and its Sub – Committee.

**9.5.2** The Member Secretary requested CPCB to provide their input for the list of the standard that has been provided to them for adoption of the standard.

**9.6** **Proposal of New Subject in ISO/TC 146/SC 3 'Ambient Air'**

The Committee noted the item no. 9.6 of Agenda**.**

**9.7 Ballots circulated within Committee Members**

The Committee noted the important Ballots of ISO/TC 146, SC1, SC2, SC3, SC 4 and SC 6, circulated within the committee members for voting.

Member Secretary also requested Committee members to provide their comments /inputs on ISO documents circulated to them.

**ITEM 10 COMMENTS ON PUBLISHED STANDARDS**

|  |  |  |
| --- | --- | --- |
| **S No.** | **Standard no. and tittle** | **Committee Decision** |
|  | **IS 15206:2002/ISO 8760:1990**  Work - Place air - Determination of mass concentration of carbon monoxide - Method using detector tubes for short-term sampling with direct indication | * The Committee deliberated on the Comments received from Mr. Vinayak Valsangkar on the amendment has been circulated to members for their inputs. * The Committee after discussion requested member secretary to send the amendment published to the following ISO standard along with the comments received from Mr. Vinayak Valsangkar to the Committee members for their inputs. * The amendment published to ISO 8760 : 1990 is attached below along with the comments received from Mr. Mr. Vinayak Valsangkar : |
|  | **IS 15209 : 2002 /ISO 8761 : 1989**  Work - Place air - Determination of mass concentration of nitrogen dioxide - Method using detector tubes for short term sampling with direct indication | * The Committee deliberated on the Comments received from Mr. Vinayak Valsangkar on the amendment has been circulated to members for their inputs. * The Committee after discussion requested member secretary to send the amendment published to the following ISO standard along with the comments received from Mr. Vinayak Valsangkar to the Committee members for their inputs. * The amendment published to ISO 8761 : 1989 is attached below along with the comments received from Mr. Mr. Vinayak Valsangkar : |
|  | IS 15210 : 2002/  ISO 8762 : 1988  Workplace air - Determination of vinyl chloride - Charcoal tube/gas chromatographic method | * The Committee discussed that IS 15210 : 2002 is the adoption of ISO 8762: 1988. However, ISO 8762: 1988 has been withdrawn and no new standard has been published by ISO for this subject. Therefore, the member secretary suggested ISO 9486 : 1991 for revision of this standard. * The Committee after deliberation requested member secretary to follow up with Mr. Vinayak Valsangkar for his inputs whether ISO 9486:1991 can be adopted identically or need to be modified as per Indian requirements, for revision of IS 15210: 2002/ISO 8762: 1988. * The copy of ISO 9486 : 1991 is attached below : |

**ITEM 11 PROGRAMME OF WORK**

**11.1** The Committee reviewed the present Programme of work of the CHD 35.

**11.2 Standards Due For Review under 5 Year Criteria (2024-2025)**

**11.2.1** The Committee discussed on the periodic review of Indian standards due for review under 5 yearly criteria and decided the following:

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **IS Number** | **IS Title** | **Committee Decision** |
|  | IS 11255 (Part 1): 1985 | Methods for measurement of emissions from stationary sources: Part 1 particulate matter | * The ToR pertaining to this subject was hosted on BIS portal. * The Committee decided to **Reaffirm and Revise.** |
|  | IS 11255 (Part 2): 1985 | Methods for measurement of emissions from stationary sources: Part 2 sulphur dioxide | * The ToR pertaining to this subject was hosted on BIS portal. * The Committee decided to **Reaffirm and Revise.** |
|  | IS 11255 (Part 5): 1990 | Methods of measurement of emissions from stationary sources: Part 5 total fluoride | * The ToR pertaining to this subject was hosted on BIS portal. * The Committee decided to **Reaffirm and Revise.** |
|  | IS 11255 (Part 6): 1999 | Methods of measurement of emissions from stationary sources: Part 6 ammonia | * The Committee has approved the ToR pertaining to this subject. * The Committee decided to **Reaffirm and Revise.** |
|  | IS 13270: 1992 | Test for gases by orsat and chromatographic methods - Methods | * The ToR pertaining to this subject is under preparation. * The Committee decided to **Reaffirm and Revise.** |
|  | IS 15309: 2003/  ISO 8518: 2001 | Workplace air - Determination of particulate lead and lead compounds - Flame or electrothermal atomic absorption spectrometric method | * The Committee decided to adopt the revised version i.e. ISO 8518: 2022. * The Committee decided to **Reaffirm and Revise.** |
|  | IS 4167: 2020 | Glossary of Terms Relating to Air Pollution (Second Revision) | * The Committee decided to **Reaffirm.** |
|  | IS 5182 (Part 10): 1999 | Methods for measurement of air pollution: Part 10 carbon monoxide (First Revision) | * The Committee has approved the ToR pertaining to this subject. * The Committee decided to **Reaffirm and Revise.** |
|  | IS 5182 (Part 12): 2004 | Method for measurement of air pollution: Part 12 polynuclear aromatic hydrocarbons (PAHs) in air particulate matter (First Revision) | * The Committee decided to **Reaffirm.** |
|  | IS 5182 (Part 13): 1991 | Methods of measurement of air pollution: Part 13 total fluorides in ambient air | * The Committee decided to **Reaffirm and Revise.** |
|  | IS 5182 (Part 14): 2000 | Methods for measurement of air pollution: Part 14 guidelines for planning the sampling of atmosphere (Second Revision) | * The Committee decided to **Reaffirm.** |
|  | IS 5182 (Part 15): 1974 | Methods for measurement of air pollution: Part 15 mass concentration of particulate matter in the atmosphere | * The ToR pertaining to this subject is under preparation. * The Committee decided to **Reaffirm and Revise.** |
|  | IS 5182 (Part 18): 1974 | Methods for measurement of air pollution: Part 18 continuous analysis and automatic recording of the oxidant content of the atmosphere | * The ToR pertaining to this subject is under preparation. * The Committee decided to **Reaffirm and Revise.** |
|  | IS 5182 (Part 20): 1982 | Methods for measurement of air pollution: Part carbon disulphide | * The ToR pertaining to this subject is under preparation. * The Committee decided to **Reaffirm and Revise.** |
|  | IS 5182 (Part 22): 2004 | Methods for measurement of air pollution: Part 22 lead | * The Committee decided to **Reaffirm.** |
|  | IS 5182 (Part 3): 1970 | Methods for measurement of air pollution: Part 3 Radioactivity (particulate in air) | * The Committee decided to **Reaffirm and Revise.** |
|  | IS 5182 (Part 4): 1999 | Methods for measurement of air pollution: Part 4 suspended - Particulate matter (First Revision) | * The draft is under finalization. * The Committee **Noted** the status. |
|  | IS 5182 (Part 8): 1976 | Methods for measurement of air pollution: Part 8 sulphation rate | * The Committee decided to **Reaffirm and Revise.** |
|  | IS 5182 (Part 9): 1974 | Methods for measurement of air pollution: Part 9 oxidants | * The Committee decided to **Reaffirm and Revise.** |
|  | IS 5182 (Part 16): 1980 | Methods for measurement of air pollution: Part 16 recommended practice for collection by filtration and determination of mass, number and optical sizing of atmospheric particulates | * The ToR pertaining to this subject is under preparation. * The Committee decided to **Reaffirm and Revise.** |
|  | IS 5182 (Part 17): 1979 | Methods for measurement of air pollution: Part 17 C1 to C2 hydrocarbons in air by gas chromatography | * The Committee has approved the ToR pertaining to this subject. * The Committee may **Reaffirm and Revise.** |
|  | IS 5182 (Part 5): 2020 | Methods for Measurement of Air Pollution Part 5 Sampling of Gaseous Pollutants (First Revision) | * The Committee decided to **Reaffirm.** |
|  | IS 16139 (Part 1):2014/  ISO 17734-1: 2006 | Workplace air - Determination of organonitrogen compounds in air using liquid chromatography and mass spectrometry: Part 1 isocyanates using dibutyl amine derivatives | * The Committee decided to adopt the revised ISO 17734-1: 2013. * The Committee decide to Reaffirm **and Revise.** |
|  | IS 16139 (Part 2):2014/  ISO 17734-2: 2006 | Workplace air - Determination of organonitrogen compounds in air using liquid chromatography and mass spectrometry: Part 2 amines and amino isocyanates using dibutyl amine and ethyl chloroformate derivatives | * The Committee decided to adopt revised ISO 17734-2: 2013. * The Committee decided to **Reaffirm and Revise.** |
|  | IS 5182 (Part 26): 2020 | Method For Measurement of Air Pollution Part 26 Nickel | * The Committee decided to **Reaffirm.** |
|  | IS 17148 (Part 3): 2020/  ISO 7935 : 1992 | Performance Characteristics of Automated Measurement Systems Part 3 Sulphur Dioxide from Stationary Sources | * The Committee decide to adopt the revised ISO 7935: 2024. * The Committee decided to **Reaffirm and Revise.** |
|  | IS 17148 (Part 4): 2020/ISO 10849 : 1996 | Performance Characteristics of Automated Measurement Systems Part 4 Nitrogen Oxides from Stationary Sources | * The Committee decided to adopt the revised ISO 10849: 2022. * The Committee decided to **Reaffirm and Revise.** |

**11.3 FUTURE WORK PLAN AND STRATEGIES**

The Committee deliberated on future work plan and strategies to be adopted say in the next 5 years aiming at contribution in related standardization activity both at national and international level (if available, ISO) and decided following :

1. To adopt International standards related to Indoor Air and Ambient Air

* The Committee discussed on the International standards related to Indoor Air and Ambient Air and requested Member Secretary to prepare list of the subject/standards on which ISO standards can be adopted.

1. Proposed the following two subjects for NWIP:

* Standard on Micro Plastics proposed by Dr. Tuhin Kumar Mandal
* Standard on Multi Channel sampler proposed by Dr. Rajendra Prasad

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

The Committee decided to hold the upcoming Sectional Committee Meeting as per the annual Calendar of meeting, which is as follows:

1. 18th Meeting 10-14 June 2024
2. 19th Meeting 16-20 September 2024
3. 20th Meeting 02-06 December 2024
4. 21st Meeting 10-14 March 2025

**ITEM 12 ANY OTHER BUSINESS**

Member Secretary during the meeting once again requested the Committee member to provide comments on Preliminary draft circulated to them and informed them that a member not commenting on the two consecutive and /or one fourth of the P-draft circulated by the SC in a year will automatically be disqualified to continue as member.

**ITEM 13 VOTE OF THANKS**

As there is no other item for discussion, the meeting was concluded at 12:30 hrs. with hearty vote of thanks to the Chairperson and the member.