

**CHEMICAL DEPARTMENT**

**AIR QUALITY SECTIONAL COMMITTEE, CHD 35**

**MINUTES OF 19th MEETING**

|  |  |
| --- | --- |
| Date/Day/Time | 19th September 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 |
|  | Mr. Shekh Tazimul Haque Faridi, Dyson Technology India Pvt Ltd, Gurugram |
|  | Dr. A. Vinod Kumar, BARC, Mumbai |
|  | Dr. Balbir Singh, Envirotech Instruments Private Limited, New Delhi |
|  | Dr. P D. Khadkikar, MPCB, Mumbai |
|  | Dr. R. S Saini. Green Economy Initiatives Private Limited |
|  | Mr. Aditya Sharma, CPCB |
|  | Dr. Shankar Agarwal, CSIR National Physical Laboratory |
|  | Mr. Dhrumil Soni, ICC, Mumbai |
|  | Mr. Vinayak Valsangkar, Uniphos Envirotronic Private Limited, Mumbai |
|  | Dr. S.K Tyagi, Personal Capacity |
|  | Dr SNA Rizvi, Personal Capacity |
|  | Dr. N Raveendhar, Personal Capacity |

**Other Participants:**

1. Dr Satendra K Jain

**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 19th 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 19th meeting of CHD 35. She reiterated in brief the about the documents under preparation, document under Wide circulation under 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 18th meeting of CHD 35 held on 13th June 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 co-option request received and after reviewing, the Committee decided the following for the co-option request:

a) The Committee decided to decide not to Co-opt Mr. Manan Shah, Ambetronics Engineers Private Limited in CHD 35 Committee as his expertise was not relevant to the Air Quality Sectional Committee.

b) The Committee requested Member secretary to write a mail to Mr. Ashish Shah, Ambetronics Engineers Private Limited for his detailed bio data and how they can contribute to Air Quality Sectional Committee.

c) The Committee requested Member Secretary to write a mail to Dr. M Sithanathan, IOCL, R&D Centre, Faridabad for his detailed bio data and how he can contribute to Committee.

d) The Committee requested Member secretary to write a mail to Mr. Sauhard Singh, IOCL, R&D Centre, Faridabad for his detailed bio data and how he can contribute to Committee.

**3 PROCESS REFORM AT BIS**

**3.1 RESEARCH ACTIONS PROJECTS**

**3.1.1** 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.

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

**3.1.2** The Committee noted the status of the ToR for the following subjects that are under preparation:

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| --- | --- | --- |
| S No. | IS No. and Title | Term of Reference (ToRs) |
|  | 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. |
|  | 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. |
|  | 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. |
|  | IS 5182 (Part 20): 1982 Methods for measurement of air pollution: Part carbon disulphide  | The ToR is under preparation. |
|  | IS 13270: 1992 Test for gases by orsat and chromatographic methods  | The ToR is under preparation. |

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

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

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| **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 draft was prepared after incorporating the changes suggested by the Committee and was put up before the Committee for finalization for printing.
* Mr. Aditya Sharma from CPCB requested the Committee that he would like to review the draft again before finalization.
* The Committee further requested Member Secretary to send the draft to Mr. Aditya Sharma for his review.
* If no comments received within 10-day of minute circulation, the document will be considered as finalized.
* If comments are received, same will be resolved in consultation with Chairperson and then finalized for printing.
 |
| 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.
* The Committee agreed to drop the document no CHD/35/24456 and decided to take a new document no., once the draft through R& D project will be received.
 |
| 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 soft copy of IS 5182(Part 8) has been sent to Dr. Tyagi.
* The Committee **NOTED** the status of the document and requested Dr. Tyagi to provide the Working document.
* The Committee decided to send the document into WC for 60 days for Comments.
* If comments are received on the draft, the same will be discussed in the meeting.
* If no comments are received, the document will be finalized for printing.
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| 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.
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| 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.
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| 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.
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| 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.
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| 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.
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| 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**.**
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| 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**.**
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| 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**.**
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| 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.
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| 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**.**
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**ITEM 5 DRAFT STANDARDS/AMENDMENTS SENT FOR PRINTING**

The Committee noted the status of the document that are under printing.

**ITEM 6 DRAFT DOCUMENT UNDER WIDE CIRCULATION**

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| **Sl No.** | **IS No./Title** | **Committee Decision** |
|  | CHD/35/26456IS 15309: 20XX/ISO 8518:2022Workplace Air Determination of Particulate Lead and Lead Compounds Flame or Electrothermal Atomic Absorption Spectrometric Method | * The Committee noted the status of the documents and requested to go through the draft and provide their inputs.
* If comments are received on the draft, the same will be discussed in the meeting.
* If no comments are received, the document will be finalized for printing.
* The draft under WC is attached at Annex-I for reference.
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|  | CHD/35/26441IS 16139: Part 1: 20XX/ ISO 17734-1: 2013Workplace Air Determination of Organonitrogen Compounds in Air Using Liquid Chromatography and Mass Spectrometry Part 1 Isocyanates Using Dibutylamine Derivatives | * The Committee noted the status of the documents and requested to go through the draft and provide their inputs.
* If comments are received on the draft, the same will be discussed in the meeting.
* If no comments are received, the document will be finalized for printing.
* The draft under WC is attached at Annex-II for reference.
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|  | CHD/35/26443IS 16139: Part 2: 20XX/ ISO 17734-2: 2013Workplace Air Determination of Organonitrogen Compounds in Air Using Liquid Chromatography and Mass Spectrometry Part 1 Isocyanates Using Dibutylamine Derivatives | * The Committee noted the status of the documents and requested to go through the draft and provide their inputs.
* If comments are received on the draft, the same will be discussed in the meeting.
* If no comments are received, the document will be finalized for printing.
* The draft under WC is attached at Annex-III for reference.
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|  | CHD/35/25505 IS 5182 (Part 29/Sec 1): 20XXMethods for Measurement of Air Pollution Part 29 Vapor Phase Mercury in Ambient Air Sec 1 Cold-Vapor Atomic Fluorescence Spectrometer method by Amalgamation Principle | * The Committee noted the status of the documents and requested to go through the draft and provide their inputs.
* If comments are received on the draft, the same will be discussed in the meeting.
* If no comments are received, the document will be finalized for printing.
* The draft under WC is attached at Annex-IV for reference.
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|  | CHD/35/25502 IS 5182 (Part 29/Sec 2): 20XXMethod Measurement of air pollution Part 29 Vapor Phase Mercury in Ambient Air Sec 2 Cold-Vapor Atomic Absorption or Fluorescence Spectroscopy CVAFS Method Using Acidified solution of KMnO4 | * The Committee noted the status of the documents and requested to go through the draft and provide their inputs.
* If comments are received on the draft, the same will be discussed in the meeting.
* If no comments are received, the document will be finalized for printing.
* The draft under WC is attached at Annex-V for reference.
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|  | CHD/35/26418 IS 5182 (Part 30): 20XXMethods For Measurement of Air Pollution Part 30 Metals in Particulate Matter in Ambient Air | * The Committee noted the status of the documents and requested to go through the draft and provide their inputs.
* If comments are received on the draft, the same will be discussed in the meeting.
* If no comments are received, the document will be finalized for printing.
* The draft under WC is attached at Annex-VI for reference.
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|  | CHD/35/26461IS 17148: Part 3: 20XX/ISO 7935: 2024Performance Characteristics of Automated Measurement Systems Part 3 Sulfur Dioxides from stationary Sources | * The Committee discussed that IS 17148 (Part 3) is the adoption of ISO 7935: 1992. ISO 7935: 1992 has been revised and published as ISO 7935: 2024.
* The Committee after deliberation decided to revise the standard to adopt the latest published ISO 7935: 2024 attached at Annex-VII.
* The draft will be sent into wide circulation for period of 60 days.
* If comments are received on the draft, the same will be discussed in the meeting.
* If no comments are received, the document will be finalized for printing.
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|  | IS 17148 (Part 4): 20XX/ISO 10849: 1996Performance Characteristics of Automated Measurement Systems Part 4 Nitrogen Oxides from Stationary Sources | * The Committee discussed that IS 17148 (Part 4) is the adoption of ISO 10849: 1996. ISO 10849: 1996 has been revised and published as ISO 10849: 2022.
* The Committee after deliberation decided to revise the standard to adopt the latest published ISO 10849: 2022 attached at Annex-VIII.
* The draft will be sent into wide circulation for period of 60 days.
* If comments are received on the draft, the same will be discussed in the meeting.
* If no comments are received, the document will be finalized for printing.
* The WC document is attached for your reference:
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**ITEM 7 DRAFT COMPLETED WIDE CIRCULATION**

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| **Sl No.** | **IS No./Title** | **Committee Decision** |
| **1.** | IS 5182 (Part 28): 20XX (19221) Methods for Measurement of Air Pollution Vapour 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. | * As no comments have been received on the wide circulation draft, the Committee finalized the draft for printing.
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**ITEM 8 DRAFTS UNDER PREPARATION**

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| **Sl No.** | **IS No./Title** | **Committee Decision** |
|  | 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  |
|  | 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 WC draft for period of two month.
* If comments are received on the draft, the same will be discussed in the meeting.
* If no comments are received, the document will be finalized for printing.
* The WC document is attached at Annex-IX for your reference.
 |
|  | Specification for Sensor Based Particulate Matter (PM 10 & PM2.5) Instruments | * The framework received from Confederation of Indian Industry has been sent to Dr. Shankar Aggarwal for preparation of draft of Specification for Sensor Based Particulate Matter (PM 10 & PM2.5) Instruments.
* The Committee further decided to discuss the status of draft for Specification for Sensor Based Particulate Matter (PM 10 & PM2.5) Instruments which will be provide by Dr. Shankar Aggarwal till end of October.
* The Committee also requested Member Secretary that the working draft already available to BIS will be forwarded to Mr. Aditya Sharma.
* The document available on Specification for Sensor Based Particulate Matter (PM 10 & PM2.5) Instruments is attached at Annex-X.
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|  | 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.
 |
|  | 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 |
|  | 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, ISO/TC/146/SC 2, ISO/TC/146/SC 3, ISO/TC/146/SC 4, ISO/TC/146/SC 6 and ISO/TC/146.**

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 and requested the registered experts to attend the meeting of ISO/TC 146, it’s SCs and WG’s.

**9.2.2** Further, reference to the PNC09/20/2024-PNC-BIS circular dated 20.08.2024. As directed by the Competent Authority the Sectional Committee, 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 L (Low). 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.

**9.2.3** Accordingly, as per MS understanding of the structure of Sectional Committee, expertise and importance of the subjects, the Priority (High /Medium/Low) has been decided for the subjects and Proposed Experts has been nominated in the google sheet attached. The documents which have been at the FDIS stage has been given low priority as technical comments cannot be accepted at FDIS stage. .
<https://docs.google.com/spreadsheets/d/1E7YvTKCkMoN65TfNzyPC--7neZ63GZG1IFby6gQmR14/edit?usp=sharing>

The Committee members are requested to kindly go through the google link and provide Remarks, nominate themselves & any changes to be done in the last column and accordingly approval will be sought from Chairperson.

**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 in the last meeting asked Member Secretary to provide the list of these standards to CPCB who will provide their input for the adoption of the standard.

**9.5.2** The list of standards i.e. ‘new standards under development at ISO/TC 146 and its Sub-committees’ has been sent to CPCB and the input received is attached below:

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| --- | --- | --- |
| **Sl No.**  | **Document under development** | **Remarks** |
|  | ISO/DIS 7935 (Ed 2)Stationary source emissions - Determination of the mass concentration of sulfur dioxide in flue gases - Performance characteristics of automated measuring systems | * Suggestions/amendments are as follows:

1.       Under point 3.2 AMS“or intermittently” may be omitted.2.       Under section 8.1“-Heating condensation” may also be included3.       Point 9.2 Table 2Zero driftOnce in the period of unattended/uninterrupted operation or period specified by national standard4.       Interference section may also be included.ISO draft document Annex-XVI.  |
|  | ISO/FDIS 5409Stationary source emissions — Chemical absorption method for sampling and determining mercury species in flue gas | * May be Adopted Identically
 |
|  | ISO/FDIS 6323-1Workplace air — Determination of arsenic and arsenic compounds by electrothermal atomic absorption spectrometry — Part 1: Arsenic and arsenic compounds, except arsine by ET-AAS | * Inputs awaited.
* ISO draft document Annex-XVII.
 |
|  | ISO 14382:2012 (vers 2)Workplace atmospheres — Determination of toluene diisocyanate vapours using 1-(2-pyridyl)piperazine-coated glass fibre filters and analysis by high performance liquid chromatography with ultraviolet and fluorescence detectors | * Inputs awaited.
* ISO draft document Annex-XVIII.
 |
|  | ISO/CD 6868Workplace Air — Quantitative determination of quartz and cristobalite in bulk materials by X-ray powder diffraction methods | * Suggestions are as follows:

Standard Reference materials for respirable quartz and respirable cristobalite with certified phase purity are available. The XRPD peak positions of cristobalite are given in Annexure-A; however, the phase of cristobalite, whether α or β, is not mentioned.ISO draft document Annex- XIX. |
|  | N1305 PWI request to develop an ISO TRWorkplace air – Quality control in workplace exposure measurements – Part 1: Analyses performed in the laboratory | * Inputs awaited. ISO draft document Annex-XX.
 |
|  | ISO 4219:1979 (vers 6)Air quality — Determination of gaseous sulphur compounds in ambient air — Sampling equipment | * Inputs awaited. ISO draft document Annex-XXI.
 |
|  | ISO 4220:1983 (vers 7) Ambient air — Determination of a gaseous acid air pollution index — Titrimetric method with indicator or potentiometric end-point detection | * Inputs awaited. ISO draft document Annex-XXII.
 |
|  | ISO 4221:1980 (vers 6)Air quality — Determination of mass concentration of sulphur dioxide in ambient air — Thorin spectrophotometric method | * Inputs awaited. ISO draft document Annex-XXIII.
 |
|  | ISO 6767:1990 (vers 6)Ambient air — Determination of the mass concentration of sulfur dioxide — Tetrachloromercurate (TCM)/pararosaniline method | * Inputs awaited. ISO draft document Annex-XXIV.
 |
|  | ISO 7996:1985 (vers 6)Ambient air — Determination of the mass concentration of nitrogen oxides — Chemiluminescence method | * Inputs awaited. ISO draft document Annex-XXV
 |
|  | ISO 8186:1989 (vers 6)Ambient air — Determination of the mass concentration of carbon monoxide — Gas chromatographic method | * Inputs awaited. ISO draft document Annex-XXVI
 |
|  | ISO 13752:1998 (vers 4)Air quality — Assessment of uncertainty of a measurement method under field conditions using a second method as reference | * Inputs awaited. ISO draft document Annex-XXVII.
 |
|  | ISO/FDIS 16000-9 (Ed 2)Indoor air — Part 9: Determination of the emission of volatile organic compounds from building products and furnishing - Emission test chamber method | * Inputs awaited. ISO draft document Annex-XXVIII.
 |
|  | ISO/FDIS 16000-11 (Ed 2)Indoor air — Part 11: Determination of the emission of volatile organic compounds from building products and furnishing — Sampling, storage of samples and preparation of test specimens | * Inputs awaited. ISO draft document Annex-XXIX.
 |
|  | ISO 16000-41: 2023Indoor air — Part 41: Assessment and classification | * May be Adopted Identically.
 |
|  | ISO 16000-42: 2023Indoor air — Part 42: Measurement of the particle number concentration by condensation particle counters | * Inputs awaited. ISO draft document Annex-XXX.
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**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.

 **9.8 Upcoming Meetings**

The Committee noted the item no. 9.8 of agenda**.**

**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 at Annex-XI. The comments received from Mr. Vinayak Valsangkar us attached at Annex-XII.
* The Amendment published to the ISO standard along with the comments received from Mr. Vinayak Valsangkar has been circulated to the Committee members for their inputs.
* The inputs received from Dr. A.Vinod Kumar is attached at Annex-XIII.
* The Committee after deliberation decided to send the comments and amendments to Dr. Rajendra Prasad for his inputs.
* If comments are received on the draft, the same will be discussed in the meeting.
* If no comments are received, the document will be sent into wide circulation for 60 days.
 |
|  | **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 and decided to adopt the modified amendment as per the comments agreed by Committee. The Committee decision on the comments is attached at Annex-XIV.
* The amendment document will be sent into wide Circulation for 60 days.
* If comments are received on the draft, the same will be discussed in the meeting.
* If no comments are received, the document will be finalized for printing
 |
|  | IS 15210: 2002/ISO 8762: 1988Workplace 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 Committee after deliberation decided to adopt ISO 9486:1991 identically as revision of IS 15210:2002/ISO 8762:1988.
* The document will be sent into wide Circulation for 60 days.
* If comments are received on the draft, the same will be discussed in the meeting.
* If no comments are received, the document will be finalized for printing.
* The copy of ISO 9486: 1991 is attached at Annex-XV.
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**ITEM 11 PROGRAMME OF WORK**

 **11.1** The Committee reviewed the present Programme of work of the CHD 35 and noted the status of the projects.

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

The Committee noted the item no. 11.2 of the agenda on the periodic review of Indian standards due for review under 5 yearly criteria.

**11.3 FUTURE WORK PLAN AND STRATEGIES**

**11.3.1** 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:

a) Adoption of ISO/DIS 5409 Stationary source emissions — Chemical absorption method for sampling and determining mercury species in flue gas

b) The Committee deliberated that the all the standards related to Indoor Air under ISO/TC 146/SC 6 in ISO 16000 series will be reviewed by Committee in phase of 5 standards at once and the standards whichever are relevant to Indian need will be adopted by the Committee. ISO16000-1, ISO 16000-2,ISO 16000-3,and ISO 16000-4 have been already adopted by India.

The next 5 standards recommended for adoption in the series is as follows:

1. ISO 16000-5
2. ISO16000-6
3. ISO 16000-7
4. ISO 16000-8
5. ISO 16000-10

The ISO documents are attached in the Annex-XXXI.

**11.3.2** Proposed the following two subjects for NWIP:

 a) Standard on Micro Plastics

The Committee requested Dr. Tuhin Kumar Mandal, NPL to provide the New Work Item Proposal on this subject along with the working draft through BIS portal.

b) Standard on Multi Channel sampler

The Committee requested Dr. Rajendra Prasad, NPL to provide the New Work Item Proposal on this subject along with the working draft through BIS portal.

**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. 20th Meeting 02nd December 2024(Hybrid Mode)
2. 21st Meeting 10-14 March 2025

**ITEM 13 ANY OTHER BUSINESS**

**13.1** Member Secretary during the meeting once again requested the Committee member to provide comments on Preliminary draft circulated to them and also 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.

**13.2** The Member Secretary appraised the Committee Members on the use of IRD portal and Committee Members further requested to convene a workshop/training to the Committee Members for Standardization work.

**ITEM 14 VOTE OF THANKS**

As there is no other item for discussion, the meeting was concluded at 13:30 hrs. with hearty vote of thanks to the Chairperson and the member.