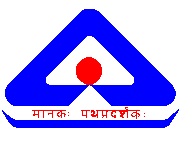
­

**Bureau of Indian Standards**

**Metallurgical Engineering Department**

**Agenda**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of the Committee** | **Meeting No.** | **Day** | **Date** | **Time** | **Venue/Mode** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Steel Tubes, Pipes and Fittings** Sectional Committee, MTD 19 | 38 | Friday | 13 Dec 2024 | 10:00 am | **Hybrid Meeting**  **Venue :**  **Green Room,** Manak Bhawan, Bureau of Indian Standards, 9, Bahadur Shah Zafar Marg, New Delhi - 110002  **Meeting URL :** https://bismanak.webex.com/bismanak/j.php?MTID=m24e378091d1d668638d7485053956a87  **Meeting ID : 25187048727**  **Password : 12345**  **For details contact Email:** [mtd19@bis.gov.in](mailto:mtd19@bis.gov.in) |

**Chairperson: Shri Prag Goel Member Secretary: Shri Ajay Kumar Soni**

## **Item 0 GENERAL**

**0.1 Opening Remarks by BIS**

**0.2 Opening Remarks by the Chairman**

## **Item 1 CONFIRMATION OF MINUTES OF LAST MEETING**

The minutes of 36th meeting of Steel Tubes, Pipes & Fittings Sectional Committee, MTD 19 held on 22 July 2024 were circulated to the members by email on 18 Sep 2024 inviting comments till 25 Sep 2024. No comments were received till last date from the members.

**The Committee may formally confirm the minutes.**

## **Item 2 Issue Arising Out of the Previous Meeting of MTD 19**

The issues arising out of the last meeting of Steel Tubes, Pipes & Fittings Sectional Committee, MTD 19, actions taken on them and progress made thereof are given in **[Annex-I.](Annex-I%20(Action%20Taken%20Report).docx)**

**The committee may please note and review the status of pending issues**.

## **Item 3 SCOPE AND COMPOSITION OF SECTIONAL COMMITTEE, MTD19**

**3.1 Review of the Membership in the Committee**

In accordance with the guidelines, the composition should be compact and the membership of the committee shall be reviewed after 3 years and the organizations representing for reasonable long time without participation / contribution may be substituted by new organization who are capable of contributing in the new technologies / area(s) of work. Also, members are expected to actively participate in the committee work which includes participating in meetings as well as in formulation ,commenting on draft documents(p draft, WC draft) and ISO ballots. **Failing to do so may lead in withdrawal of membership.**

**3.2 Balancing of All Interested Groups in the Committee**

It has been decided that the compositionof the Technical Committee should be reviewed to have at least two third of the committee members representing Consumers/Technical Bodies/R&D/Testing Laboratories/ educational institutions/ Govt. Departments etc, and the representation of the manufacturing industries/Associations of Industries should be not more than one third of the committee members. NGO’s and Consumer Organizations may be co-opted in Technical Committees where there is no adequate representation.

**3.3 The Size of the Committee**

The size of the committee is often a compromise between a reasonably broad basis of representation and the need to restrict membership to workable numbers. Generally, a smaller membership will be appropriate for a committee dealing with detailed aspects of a standard, with wider representation being provided at the more senior committee levels. In order to keep committee to a workable size, the **optimum size of a Sectional Committee is 30** and it should have individuals (in personal capacity or as representative of an organisation) with widely acknowledged domain area expertise and experience on the subjects covered by the scope of the Sectional Committee. Whenever an organisation viz. Ministry, Industry Association or Research and Academic Institutions is included in the Sectional Committee, it should be ensured that the person representing the organisation is clearly specified and has the desired standing.

**3.4 Attendance of Members in the Committee**

If a member fails to attend a meeting of the Sectional Committee, communication should be sent to him by the Head of the Department concerned seeking his cooperation in the functioning of the Committee. If the member concerned fails to attend the Sectional Committee meeting even after the communication was sent, his/her membership shall be liable to be terminated. The Sectional Committee should review all these cases and the cases of absenteeism of serious nature and make suitable recommendations for their replacement to the Divisional Council.

**3.4** The scope and present composition of Sectional Committee, MTD 19 is given at **[Annex-II](Annex-II%20(Committee%20Composition).docx)** and Panels/Working Groups under MTD 19 is given at**[Annex-III](Annex-III%20(Panel%20Composition).docx)**[.](Annex-III%20(Panel%20Composition).docx)In case, any change in membership or updating in contact is desired, the same can be shared.

**3.6 New Nominations**

**3.6.1** Nomination received from the following organization for co-option:

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No.** | Name of the organization | Experts | TC/WG |
| **1.** | Mega Pipes Pvt. Ltd. | Anuj Kumar, Head QA | IS 3589 |

**The Committee may please deliberate and decide.**

**3.6.2** Termination notices have been sent to the following organizations which have not participated in the last sectional committee meeting requesting their active participation in the upcoming meetings of the committee and that their membership will be terminated if they don’t participate in 38th Sectional Committee meeting.

Given the importance of the issues being discussed and the importance placed by the government on improving both the speed and scale along with the quality of standard formulation, presence of the members in the TC meetings and their active participation are of critical importance.

With reference to Office Order No. [**PNC09/18/2023-PNC-BIS**](https://drive.google.com/file/d/1R_qF6w2iq1ed0LzVAEkt_Q83qRHoJFVj/view?usp=sharing), dated 9th November, 2023 and inform you that **absence from two consecutive meetings of the TC may result in the termination of the membership in the TC**.

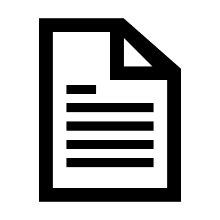
In view of the above, following organizations have been terminated due to absence from last two consecutive meetings :

|  |  |  |
| --- | --- | --- |
| Sl No. | Organization | Remarks |
| 1. | RITES Limited, Gurugram | Absent from last two consecutive meetings |
| 2. | Federation of Industries of India, Maharashtra |

**The Committee may please note.**

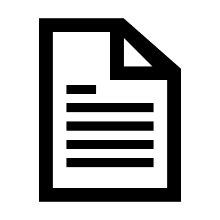
## **4 COMMENTS ON PUBLISHED INDIAN STANDARDS/ DRAFT DOCUMENTS**

**4.1** Comment received on **IS 18573 : 2024** by various stakeholder is attached.

[](https://drive.google.com/file/d/19wsn08L0dDEVY1iVXblPy8NsYJt1NmS_/view?usp=sharing)

**The Committee may deliberate and decide.**

**4.2** Comment received on draft document **MTD(26677) : Stainless Steel Welded Tubes for Decorative Purposes - Specification** received by Nagendra Vijayvargia, ISSDA is attached:

[](https://drive.google.com/file/d/1A7O-TvfbAMOWLAjwmn3SZf9NDnG5DqOY/view?usp=sharing)

**The Committee may deliberate and decide.**

## **Item 5 REVIEW OF INDIAN STANDARDS**

**5.1 Periodic review of Indian Standards:** Each published Indian standard is required to be reviewed by the concerned sectional committee after every five years of its publication/reaffirmation. The guidelines given by Standards Advisory Committee (SAC) are as follows:

1. The standards may be reaffirmed in its present form;
2. The standards may be reaffirmed with minor changes by issuing an amendment;
3. The standards may be reaffirmed with simultaneously taking up the revision; and
4. The standards may be withdrawn.

**5.1.1** The review of each and every existing Indian standard shall follow the Action Research based approach. This implies that preparation of a Review Document to be put up to the committee for consideration must be preceded by the following activities:

* + - 1. Study and analysis of relevant international standards.
      2. Literature survey on the subject.
      3. Interaction with the industry on the changes in the technologies, manufacturing processes or test methods.
      4. Visit to leading manufacturing units for the first-hand information on the manufacturing processes.
      5. Interaction with BIS officers and labs for feedback on certification and test method related issues.

**5.1.2** The Action Research for the review of standards can be assigned to the member secretary of the Sectional Committee, scientific officers of BIS, members of the Sectional Committee, sub-committee or working panel, academic or research institution, industry association, a specific industry or ministry and an organizations thereunder. The Sectional Committee shall decide the individuals or organizations to be assigned Action Research projects.

**5.1.3** Review of standards shall be taken up through the Review Module of the Standardization Portal.

# **The Committee may please note.**

**5.2 Reaffirmation of Indian Standards:** The present directives indicate that the standards fall under the above category shall be reviewed thoroughly and while reviewing following points should be considered.

1. Does the Standard meet the present demand of the industry and the consumers?
2. Is it compatible with the available international standards?
3. Whether are these standards required to be continued or not?
4. Prospective implementation of the standard.

| ***Sl No.*** | ***IS Number*** | ***IS Title*** | ***No. of Licensee*** | ***Decision in the 36th meeting*** |
| --- | --- | --- | --- | --- |
|  | IS 1161 : 2014 | Steel tubes for structural purposes - Specification (Fifth Revision | 192 | The Committee deliberated and decided to reaffirm the standards |
|  | IS 1239 (Part 1) : 2004 | Steel tubes, tubulars and other wrought steel fittings - Specification: Part 1 steel tubes (Sixth Revision) | 136 | The Committee deliberated and decided to reaffirm the standard. |
|  | IS 6631 : 1972 | Steel Pipes for Hydraulic Purposes | 0 | The Committee deliberated and decided to reaffirm the standard. |

**The Committee may please note.**

**5.3 Review of Pre-2000 Indian Standards:** As per the new policy decision of BIS, technical departments are required to review to the Indian Standards published before the year 2000. As a result, MTD proposed a plan to review such standards in the next two years. Accordingly, the complete list of standards was divided into four parts, setting a target every half-yearly, starting since January 2024 until Dec 2025.

**5.3.1** Presently, MTD 19 is containing 20 old standards (pre-2000), the list of same is attached as [**Annex-IV**.](Annex-IV%20(Total%20pre-2000%20Standards).docx)

**5.3.2** The Standards allocated to BIS officers as Action Research Project in various Phases to review the pre-2000 Standards and their present status is given in [**Annex-V**.](Annex-V%20(Total%20ARPs%20Allocated).docx)

**The committee may review and decide.**

**5.4** The complete list of Indian standards formulated by MTD 19 is given at **[Annex-VI](Annex-VI%20(Total%20Published%20Standards%20MTD%2019).docx)**.The committee may please note.

**The Committee may please note.**

## **Item 6 NEW PROPOSALS FOR STANDARDIZATION**

**6.1** As per new guidelines received from Competent Authority, any new proposal for standardization should essentially be made on the prescribed proforma as a preliminary work item. Where a proposal is made in the Sectional Committee, the member making the proposal should fill up the proforma beforehand and present it in the meeting for consideration of the committee. The sample proforma is given in **[Annex-VII](Annex-VII%20(NWIP%20Proforma).docx)**[.](Annex-VII%20(NWIP%20Proforma).docx)

**6.2** It may further be added that the proposal received at **6.1** has to be analyzed by the member secretary in the prescribed proforma for consideration of the technical committee/screening committee keeping the following in view:

1. What is the feasibility of achieving consensus on national standards in this subject area by the proposed target date;
2. How many members besides the proposer agree to the proposal and how many are ready to actively participate in the development of the project;
3. Whether any outside funding is possible;
4. Only those subjects should be taken up which have a potential to mature into a standard in the stipulated time.

**6.3 Prioritization of a Subject is decided as below**

**PRIORITY 1** Whenever there is a demand from the Govt. to prepare a standard on urgent basis or the need is felt by the Bureau, Standard Advisory Committee, Division Council or Technical Committee for preparation of standard due to emergent need on urgent basis.

**PRIORITY 2** whenever there is need to prepare a standard based on International trade.

**PRIORITY 3** All other subjects.

**6.3.1** The expected time schedule is given below

|  |  |  |  |
| --- | --- | --- | --- |
| Type | PRIORITY 1 | PRIORITY 2 | PRIORITY 3 |
| Adoption | 6 months | 9 months | 12 months |
| Indigenous | 9 months | 18 months | 24 months |

**The Committee may please note**

**6.4 Proposal for New Subject Received**

**6.4.1 No new proposals were received** from any sources since last TC meeting of MTD19.

## **Item 7 INTERNATIONAL ACTIVITY**

**7.1 Interaction with ISO**

The National Standards Bodies who are members of ISO have the right to participate in the work of its technical committees and subcommittees and working groups as participating (P members) or observer (O member) with the following responsibilities:

1. **P members have to participate** actively in the work, with an obligation to vote on all questions formally submitted for voting within the technical committee or subcommittee and on draft documents at different stages or processing and, whenever possible, to participate in meeting (s).
2. **O members** **have to follow the work as an observer**, and therefore, receive committee documents and have the right to submit comments and to attend meetings
3. National Bodies irrespective of their status as ‘P’ or ‘O’ member within a technical committee or subcommittee have the right to vote on draft International Standards.

**7.2 India’s participation in ISO meetings**

**7.2.1** India is a `P’ member of sectional Committees are as follows:

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Sub Committee** | **Scope** |
| 1 | [ISO/TC 5/SC 1](https://sd.iso.org/documents/ui/#!/browse/iso/iso-tc-5/iso-tc-5-sc-1) | Steel tubes |
| 2 | [ISO/TC 5/SC 5](https://sd.iso.org/documents/ui/#!/browse/iso/iso-tc-5/iso-tc-5-sc-5) | Threaded fittings, solder fittings, welding fittings, pipe threads, thread gauges |
| 3 | [ISO/TC 17/SC 19](https://sd.iso.org/documents/ui/#!/browse/iso/iso-tc-17/iso-tc-17-sc-19) | Technical delivery conditions for steel tubes for pressure purposes |
| 4 | [ISO/TC 67/SC 2](https://sd.iso.org/documents/ui/#!/browse/iso/iso-tc-67/iso-tc-67-sc-2) | Pipeline transportation systems |
| 5 | [ISO/TC 67/SC 5](https://sd.iso.org/documents/ui/#!/browse/iso/iso-tc-67/iso-tc-67-sc-5) | Casing, tubing and drill pipe |

Details of ISO standards are given at [**Annex-VIII**](https://drive.google.com/file/d/16ZlA05FpiEGbNJFgJFzeEtREaTPNJOnj/view?usp=sharing). All the members are advised to closely examine the NWIP received from ISO and active participation. All the members are also requested to identify the experts in International Standardization so that our participation at international level can be increased.

**7.3 Harmonizing of Indian standards with ISO standards**

**7.3.1** Efforts to be made to harmonize maximum number of BIS standards with ISO standards - While harmonizing the Indian standards with International standards the reasons/justifications are needed to be given in the foreword of Indian Standards, if there is any deviation from the provisions stipulated in the corresponding ISO standards.

**7.3.2** Members are requested to examine ISO standards vis-a-vis Indian standards and send their comments to BIS secretariat, if any, so that Indian standards could be revised /harmonized on the basis of ISO standard. Comments, if any, will be tabled during the meeting for consideration of the committee.

**The committee may please note.**

**7.4 Upcoming Meeting of ISO TC67/SC 2**

Email sent on 22 Nov 2024 to members seeking nominations to participate in ISO/TC 67/ SC 2 plenary meeting to be held on 15-16 April 2025. We have received following nominations till date:

**Meeting Detail – ISO/TC 67/SC 2 "Pipeline transportation systems"**

**Date – 15 to 16 April 2025, Venue – Milan, Italy**

**The committee members are requested to send nomination.**

**7.5 ISO Ballots**

List of ISO ballots that are currently open for comments is as given below. Email for seeking the comments from respective committee have already been sent. If any members are interested to share any comments on the following subjects, please share your comment before end date:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ISO TC | Ballot Reference | Title | Last Voting Date | Comment Last Date |
| ISO/TC 67/SC 2 | ISO 3183:2019 (Ed 4) | Petroleum and natural gas industries — Steel pipe for pipeline transportation systems | 04-Mar-2025 | 28 Feb 2025 |
| ISO/TC 67/SC 2 | ISO/NP 25631 | Oil and gas industries including lower carbon energy — Thermoplastic lined glass fiber reinforced plastic pipes for pipeline transportation systems | 14-02-2025 | 01-02-2025 |
| ISO/TC 67/SC 2 | Confirmation of Mr. Angelo Ghielmetti as convenor of WG13 | Confirmation of Mr. Angelo Ghielmetti as convenor of ISO/TC67/SC2/WG13 | 29-12-2024 | 25-12-2024 |

**The committee may please note and take a decision to vote the ballot with voting options available.**

**7.6 Digitization/Fully automation of ISO/IEC Balloting work through IR portal**

For streamlining the work related to ISO/IEC standards, balloting ang meeting, BIS has developed International relations portal. The link for the standardization portal is as below:

<https://irportal.bis.gov.in/>

**The committee may please note.**

## **Item 8 WTO-TBT ENQUIRY POINT**

**8.1** World Trade Organization (WTO) is the International Organization dealing with global rules of trade between nations. The Technical Barriers to Trade Agreement (TBT) tries to ensure that Regulations, Standards, Conformity Assessment procedure do not create unnecessary obstacles to trade. Manufacturers and exporters of each country need to know about the latest standards and technical regulations in their prospective markets. To help ensure that this information is made available conveniently, all WTO member Governments are required to establish National Enquiry Point. India is a signatory to WTO TBT Agreement. Under this Agreement, India has to fulfill certain obligations such as establishing an enquiry point and transparency of its standards and its regulations. BIS functions as the enquiry point as nominated by Ministry of Commerce, the dealing Ministry with WTO.

**8.2** As the WTO TBT Enquiry Point, BIS answers all the reasonable enquiries pertaining to Technical Regulation, Standards and Conformity Assessments procedures addressed to it from the Enquiry Point of other countries. It also serves as the information centre within the country. Additionally, BIS also disseminates the TBT Notifications of other member bodies to the National Stakeholders.

**8.3** The awareness regarding TBT notifications is lacking among various stakeholders in India and as a result India is not sending its comments on draft notifications by other countries, which may be of trade interest to India. As signatory of WTO-TBT agreement, there is a greater need for us to be aware of the TBT notifications issued by different countries in order to protect our interest.

**8.4** BIS disseminates the TBT Notifications of other countries to the Indian Stakeholders with a view to seek their comments and taking up the same at appropriate forum. The stakeholders are expected to examine the notifications on the following aspects:

1. Are the notifications in accordance with International Standards?
2. Are they stricter than the International Standards?
3. Are they stricter than the International Standards, than necessary to meet the legitimate objective of

- Protection of human health or safety

- Animal or Plant life or heath

- Environment Protection

**8.5** The BIS Technical Committee have also been identified as stakeholder for the TBT Notifications and relevant notifications are being disseminated to them. The Committee members should examine the TBT Notifications with a view to protect Indian trade interest.

**8.6** The e-mail address of BIS Enquiry Point are as follows:

BIS Email: [**info@bis.org.in**](mailto:info@bis.org.in)

Website: [**www.bis.gov.in**](http://www.bis.gov.in)

**The Committee may NOTE.**

## **Item 9 IMPLEMENTATION OF INDIAN STANDARDS**

**9.1** In order to derive maximum advantage of the National Standards, members are requested to adopt these standards in their respective organizations and bring to the notice of BIS DG, if any difficulty that they may experience in implementation. The feedback would enable MTD 19 to review the standards and eliminate wherever possible bottle necks in the implementation.

**The committee may note**.

**10 QUALITY CONTROL ORDER**

05 products pertaining to MTD19, are under mandatory BIS certification through QCO issued by DPIIT. The details are as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No.** | **Indian Standard** | **Product** | **License** |
| 01 | IS 1161 : 2014 | Steel tubes for structural purposes | 192 |
| 02 | IS 1239 (Part 1) : 2014 | Steel Tubes, Tubulars and Other Wrought Steel Fittings: Part 1 Steel Tubes | 136 |
| 03 | IS 4270 : 2001 | Steel tubes used for water-wells (upto 200 mm dia) | 37 |
| 04 | IS 6913 : 2023 | Stainless steel tubes for the food, beverage, dairy and pharmaceutical industry - Specification | 0 |
| 05 | IS 6392:2020 | Steel Pipes Flanges- Specification | 5 |

**The Committee may please note.**

## **Item 11 BIS INITIATIVES**

**11.1** In order to make standardization more inclusive and research-based standard making, it is suggested to subscribe the magazine and journals. It is also encouraged that participation in the National and International events shall be increased. In this regard, all the members are requested to share the list of journal and magazine in pipe and tube industry.

**11.2** Presently BIS allows each organization represented on various technical committees of BIS to nominate two representatives from the organization – a principal member and an alternate member. In order to encourage the participation of young professionals in the standardization activity, it has now been decided to allow each organization to nominate an additional alternate member on the technical committees in which the organization is represented, provided the additional representative is a young professional upto the age of 37 years and having expertise in the respective discipline.

**11.3** In order to effectively perform its responsibility as the NSB of India, the [Standards National Action Plan (SNAP)](https://www.bis.gov.in/wp-content/uploads/2023/05/SNPbookBilingual.pdf) has been evolved by BIS.

BIS has undertaken extensive stakeholder consultations involving policy makers, academia, industry, industry associations, Research and Development institutes, government bodies, etc. to develop this action plan. Due consideration have also been accorded to government policies and priorities. To prioritize the standardization work on the identified subjects/ topics of standards development, an assessment of national socio-economic requirements was made through a process of secondary research against the ISO guidelines available in this regard.

The action plan proposes a set of actions that would enable BIS to fulfill the specific objectives, and drive the national standardization work and participation in international standardization work. The actionable points emanating from the study as provided in the document are expected to help meet the objectives of making standardization processes efficient and fast, increase awareness and implementation of standards, increasing participation and involvement in national and international standardization and ensure harmonious standardization activities in the country.

The action plan has prioritized standardization issues ranging from engineering to services, IOT to AI and smart cities to e-mobilities. ‘Smartness’, ‘Sustainability’ and ‘Services’ would be the key to future standardization. [**Standards National Action Plan (SNAP)**](https://www.bis.gov.in/wp-content/uploads/2023/05/SNPbookBilingual.pdf) is attached below:

**The committee may please note.**

## **Item 12 R&D PROJECTS FOR ESTABLISHMENT/REVISION OF INDIAN STANDARDS**

The current guidelines for R&D projects for establishments/revision of Indian Standards are given below:



**The committee may please note.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Project** |  | **Awarded** | **Status** |
| **1.** | Study of grades and chemical and mechanical properties of seamless ferritic alloy steel pipes and fittings for high-temperature steam service. | | NOT AWARDED | NA |
| **2.** | Study of grades and chemical and mechanical properties of seamless ferritic alloy steel pipes and fittings for Low-temperature steam service. | | Awarded to Dr. Bikas Kumar, NIT Jalandhar on Oct 2024 | Literature Review Done |
| **3.** | Study the grades, chemical and physical properties, and various shapes and sizes of stainless-steel pipe fittings | | Awarded to G. Chandrasekar, PSNA College Jalandhar on Oct 2024 | Literature Review Done |
| **4.** | Study of chemical, physical and mechanical properties of stainless steel pipe and tubes made of low nickel stainless steel grades | | Awarded to DK Dwivedi, IIT Roorkee on June 2024 | Revised sampling plan submitted. |

**The Committee may deliberate and discuss.**

## **Item 13 TASKS ASSIGNED TO THE TECHNICAL COMMITTEES BY BIS**

In order to improve the performance of the technical committees, BIS has assigned the following tasks to the technical Committees. The Committees have to work on the assigned tasks for their existence.

1. Status of participation of members in the previous three meetings inviting suggestions for improvement -
2. Status of comments received from various members during the last three years inviting suggestions for ensuring active participation, -
3. Identification and involvement of talent available in the country related to the subject dealt by the committee and methodology to involve them in the proceedings of the Committee –
4. Status of standardization in the areas dealt by the committee at international level and suggestions for improving participation in the related committees of ISO/IEC,
5. Strategic roadmap: Future plans and strategies to be adopted by the committee during the next 5 years aiming at contribution in related standardization activity at national and international level

**The Committee may deliberate and discuss.**

## **Item 14 DATE AND PLACE FOR THE NEXT MEETING**

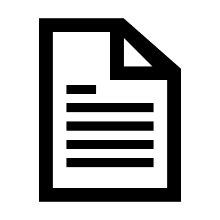
# **Annual Calendar of Technical Committee meetings**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl No.** | **Meetings planned for FY 2024-25** | | |  | **Date & Time** | **Venue** |
| **1.** | First Meeting | | | | 10 April 2024 | Hybrid (New Delhi, BIS Head Quarter) |
| **2.** | Second Meeting | | | | 22 July 2024 | Hybrid (New Delhi, BIS Head Quarter) |
| **3.** | Third Meeting | | | | 13 Dec 2024 | Hybrid (New Delhi, BIS Head Quarter) |
| **4.** | Fourth | Meeting |  | | Feb 2025 | IIT Indore  MANIT Bhopal  NIT Jamshedpur |
| **NOTE – One of the above committee meetings to be organized in an academic Institution and one Seminar has to be organized by the committee during the current financial year.** | | | | | | |

**The Committee may deliberate and discuss.**

## **Item 15 ANY OTHER BUSINESS**

**15.1** NOC/Clarification received from applicant are placed below for discussion:

[](Reference/NOC%20-%20Clarification%20till%2009%20December.xlsx)

**The Committee may please deliberate and decide**

**ANNEX-1**

| **Sl No.** | **Subject** | **Decision taken in past meetings** | **Action taken on the decision of last meeting** |
| --- | --- | --- | --- |
|  | **Fourth revision of IS 3589 : 2001**  Steel Pipes for Water and Sewage (168.3 to 2540 mm Outside Diameter) — Specification | **37th Meeting**  Member Secretary informed the committee members regarding three panel meetings convened on 03/05/2024, 19/06/2024 & 28/06/2024 and decisions thereof. The draft amendment document finalized by the panel was discussed among members and accepted in consensus. It was decided by the committee to send the draft for wide circulations for the 30 days. Further, the Committee also decided that if no comments received on WC draft or comments received are in editorial nature same to process for printing on approval of chairman MTD 19. It was also decided that Shri Alok Jain will provide the draft revision document for IS 3589 incorporating all the amendments and sizes from IS 5504.  **36th Meeting**  Member Secretary briefed the Committee about the status of work and requested Dr. BB Duari to provide insights of the meeting held with IWWA. Dr. BB Duari informed that IWWA has prepared detailed report on minimum thickness requirement of IS 3589. They have done comparative analysis of thickness requirement with IS 3589 : 1991, EN 10224, ASTM A53, AWWA M11 manual and IS 1916 : 2018. The committee reviewed the panel composition and it was decided to include members from PHED Jodhpur, Welspun, MSL and IPMA. The committee requested panel to held physical meeting on 26th April, once the report is received from IWWA.  The committee further discussed on the implementation of amendment no. 5 and after deliberation, the committee decided that, since the last date of implementation of amendment no. 5 is 4th June 2024 and new amendment is still under development, The concerned Central Marks Department may be requested to extend the implementation of Amendment-5 to IS 3589 : 2001 for another 6 months.  The committee further advised the panel to take up the amendment on priority.  **35th Meeting**  Member Secretary briefed the Committee about the status of work and informed that, Dr Ulhas Naik will provide the minimum thickness requirement from the IWWA manual and EN 10217 has also been identified to refer in the standard. Once the minimum thickness requirement received from Dr Ulhas Naik, Dr B. Duari will incorporate it in the draft after adding corrosion allowance with the minimum thickness requirement and the draft will be deliberated in the next panel meeting.  Chairperson, Shri Arunava Dasgupta, proposed that, by the end of November 2023, we should have a workable document and a panel meeting to be convened in the first week of December 2023, to deliberate on the document. Meanwhile, Central Marks Department will also be requested to extend the implementation of Amendment-5 to IS 3589 : 2001 for another 6 months. | As decided in the 37th meeting, draft document of amendment 7 to IS 3589 was wide circulated for the period of 30 days till 20 October 2024. It was also decided that if no comments received on WC draft or comments received are editorial in nature same to process for printing on approval of chairman MTD 19. However, BIS received one comment on the document circulated during Wide Circulation period. The Working Group 2 convened a meeting on 24 October 2024. During the meeting, it was decided to dispose off the comment received through portal and send the finalized document for printing. As decided, the draft is sent for printing with approval of chairman MTD19 and attached below -    Draft for revision of IS 3589 is not submitted by Shri Alok Jain till date.  **The Committee may**  **note.** |
|  | **Adoption of ISO 11960 : 2018 and ISO 11961 : 2020** | **37th Meeting**  WG 5 on seamless tubes & pipes informed the committee that two panel meetings convened by the panel on 21 May 2024 & 15 July 2024. Accordingly, as per the decision of the last committee meeting, WG 5 informed the committee for the adoption of ISO 11960 & ISO 11961. It was decided by the committee to adopt both standards. | As decided in the 37th meeting, ISO 11960 and ISO 11961 were processed for adoption on recommendation of WG5. MTD Doc 26709 and 26710 were wide circulated for period of 30 days till 17 November 2024. However, no comments were received on the wide circulation document. Consequently, documents sent for printing with approval of Chairman MTD19.  **The committee may NOTE.** |
|  | **Standards on Stainless Steel Tubes and Pipes** | **37th Meeting**  Member Secretary informed committee that the project has been awarded to IIT Roorkee and timeline is 4 months. It was decided by the committee to send the draft on SS Tubes for decorative purpose for wide circulation for the period of 30 days and not to wait for the outcome of the project. After the completion of the project, the outcomes may be taken up in the amendment.  It was also decided to wide circulate the draft on Stainless Steel tubes for water application for 30 days. Further, the Committee also decided that if no comments received on WC draft or comments received are in editorial nature same to process for printing on approval of chairman MTD 19.  **36th Meeting**  The member secretary informed to the committee members that R&D project regarding validation of Low-Nickel Grade is uploaded on standard portals and likely to be awarded within 30 days. The committee decided that draft will be prepared after detailed report received from R&D project.  Further, the committee advised member secretary to discuss with the panel convener for other stainless steel pipe standards under preparation/to be prepared.  **35th Meeting**  1. Chairperson Shri Arunava Dasgupta proposed that other than chemical and mechanical properties, the draft should also have Salt Spray Test (SST) and the Committee agreed on the proposal.  2. Convenor of **Panel-7**, Shri Nagendra Vijayvargia briefed the committee about the new draft standard MTD 19(15548) Stainless Steel Tubes for Decorative Purposes by mentioning following points:  a) For Grades N1, N2 & N3 tests have already been done to include in IS 6911 and we can take the report and include in this standard.  b) The Grades N5, N6 & N7 have been introduced in the utensils grade.  3. Shri Rohit Kumar from ISSDA mentioned that test for all 6 proposed grades have completed few days for IS 6911 and he will submit the report within few days and he presented the sampling plan before the committee:  a) There will be a total of 180 samples to be tested.  b) For testing only it will cost around 3 Lakh INR and for other costs around 1 Lakh INR.  c) There will be an intermediate grade 201 or 202 and an existing grade 304 for comparison.  4. The Committee further deliberated on the ToR for the proposed R&D project and agreed on ToR. The final copy of ToR is enclosed with the minutes.  5. Since, there are more than one new standard under development on Stainless Steel Tubes, so the committee decided to prioritize the subjects as given below:  a) Stainless Steel Welded Tubes for Decorative Purposes.  b) Stainless Steel Tubes for Water Application.  6. The Committee also decided to circulate the draft of SS Tubes for Water Application received from Panel-7, among the Committee members for comments.  **34th Meeting**  The committee agreed for change the name of proposed standard for SS welded tubes for mechanical tubing to SS welded tubes for decorative purposes.  Further, the committee after detailed deliberation decided to circulate draft among members. Committee also decided that If no comments received from members or comments received are in editorial nature same to process for Wide Circulation for 60 days.  The committee also deliberated on including new low Ni grades which are to be tested and validated and after getting satisfactory results only then can be included. In the meanwhile, Committee agreed to refer IS 6911:2017 for input material for the SS welded tubes for decorative purposes. The Committee requested Panel -7 to convene a meeting and prepare a blueprint for validation of Low Nickel grade for the requirements of tubes.  The Committee also emphasized that validation of low Ni grades may be considered for Research & Development (R&D) projects for formulation of Indian Standards on SS welded tubes for decorative purposes.  **33rd Meeting**  The Committee requested Member Secretary to circulate the drafts received from Shri Nagendra Vijayvargia (ISSDA) among the Committee Members for 21 Days.  The committee further decided that the above documents to be circulated in WC for one month with approval of chairman if no comments received or comments received are in editorial nature.  **32nd Meeting**  The Committee noted the Status shared by panel convenor Sh Nagendra Vijayvargia (ISSDA) on documents related to SS Tubes for Electrical Fusion welded SS pipes for high temperature and SS tubes for Mechanical tubing.  The Committee requested the Panel convener to share the working drafts with Member Secretary within one month from finalization of the minutes.  Subsequent to receipt of draft documents from Panel Convenor, Member Secretary is advised to circulate the same among Members with a request to review the working drafts and share their comments within 21 days.  **31st Meeting**  a. The emphasis during the meeting was on remarks on the Panel on the comments on draft standards on stainless steel pipes for general engineering service (seamless & welded).  b. The Committee accorded the proposal by MTD for changes in draft standards and duly endorsed by the panel.  The details of the changes agreed to and captured in BIS commenting template were given in Appendix-2 (Sl No. 1 to 8, 10, 14, 17 to 19) & Appendix-3(Sl No. 3, 5, 6 to 14, 17, 19, 20, 23, 24, 26 & 27).  c. However, for some of the changes in the drafts by MTD through BIS commenting template and contested by Panel were deliberated during the meeting. The decisions of the committee were as follows:  1. The proposal of MTD for going ahead with the only one variety namely the PIPE, which could be supplied in two different conditions owing to dimensional tolerances so as to accommodate the sizes of both pipe and tube was deliberated by the committee. Subsequently, it decided to continue with the classification of material based on order as Pipes and Tubes, allowing these terms in the drafts based on their popularity among users, downstream units comprising of fitting manufacturers and Pipe manufacturers. Further, it also noted that Tubing holds to tighter and more stringent dimensional tolerances than pipe.  2. As a result of discussions, the committee defined the terms PIPE and TUBE distinctly as under:  **Pipe**: A long hollow cylinder of round cross section, ordered by specifying Nominal Bore and wall thickness.  **Tube**: A long hollow cylinder of round cross section ordered by specifying outside diameter (OD) and wall thickness.  3. The Committee deliberated on the proposal for making mechanical properties uniformly applicable for PIPE and TUBE. In this regard, invitees representing Pipes Manufacturing association had informed the committee that the requisite mechanical properties were not common across all the sizes and indeed, they were desired because of application inter-alia the classification PIPES and TUBES, as Pipes were specifically used for pressure applications for transporting fluids informed the Committee.  Further, they also informed that tensile properties were commonly shared regardless them being supplied as Pipe or Tube.  Accordingly, the committee decided not for making mechanical properties uniformly applicable for PIPE and TUBE with an exception of Tensile properties.  Because of clarification provided by representatives of pipes manufacturers association, the committee decided to extend the tensile properties of various grades for tubes to pipes as well.  4. To delete clause 17.3.4 in draft standard for seamless and Cl 18.3.4 in draft standard for welded as there is no such relaxation in hydrostatic test on sizes beyond 273mmin ASTM relevant Standards.  5. To add a general clause on other tests, replacing eddy current test, Air-underwater test as these test were usually carried for requirements and methods as agreed to between purchaser and manufacturer.  6. The Committee deliberated on tolerances on Outer Diameter for Pipes. It was informed by the Panel Convenor that the tolerances on outer diameter were derived from ASTM A 999, Specification for General Requirements for Alloy and Stainless Steel Pipe.  The committee agreed to their proposal given the scope of ASTM standard A 999 and their acceptance among users and manufacturers.  7. The Committee deliberated on size restrictions for flange test and flattening test. Accordingly,it decided to modify the clauses on them in the draft standards to restrict sizes upto 150mm for flange test(tubes only) and for flattening test upto 600mm both for pipes and large size tubes, as mentioned in scope of respective test method standards.  8. To define sizes for pipes in tabular format, replacing the existing tables, by following the practice given in IS 1161, by using concept of NB as the nominal dimension.  9. The Committee requested Panel Convenor to recheck the clause on repair by welding and grinding as repair of base metal defects by grinding or welding is applicable only to pipes in the draft and not considered for tubes.  10. To incorporate details of NPS and associated schedule numbers for purpose of information only, through an appendix in the draft, given their prevalence between pipe and fitting manufacturers.  d. The modified draft standards on seamless and welded incorporating some of the changes, except the changes to be addressed by panel convener as mentioned at Sl No 8, 9 & 10 above are placed at Appendix-4 & 5.  e. The Committee decided to nominate Sh Nagendra Vijayvargiya as Panel Convenor (consultant, ISSDA) replacing Sh Rohit Kumar(ED, ISSDA). Further, the newly appointed Panel Conveor was requested to provide modified drafts incorporating changes suggested at Sl No. 8, 9 &10 above within 7 days. | As decided in the last meeting, P-Draft Doc: MTD 19 26664: Stainless Steel Welded Tubes for conveyance of aqueous liquids - Specification, was circulated among members inviting comments till 15 Oct 2024. However, no comments received on the same.  P-Draft Doc: MTD 19 26677: Stainless Steel Welded Tubes for Decorative Purposes, was circulated among members inviting comments till 20 Oct 2024. Comments received from Shri Nagendra Vijayvargia, ISSDA is attached for reference to all:  [Document](https://drive.google.com/file/d/1A7O-TvfbAMOWLAjwmn3SZf9NDnG5DqOY/view?usp=sharing)  **The Committee may**  **deliberate and decide.** |
|  | **Steel Tubes for Heat Exchangers**  (IS 11714, Part 1,4 & 5) | **36th Meeting**  The Committee deliberated and decided to request panel 2 on seamless pipes and tubes to review the relevant parts of Is 11714 and give their recommendations for revision of the same. Thereafter, the same shall be put up to the panel 14 for comprehensive revision of all parts of IS 11714 which includes both welded and seamless pipes.  **35th Meeting**  The Committee after deliberation requested Member Secretary to circulate draft of IS 11714 (Part 1, 4 & 5) among the committee members and requested Shri B. B. Prasad to study IS 11714 (Part 2 & 3) for revision.  The Committee further constituted a Panel for the revision of the parts of IS 11714 and requested Member Secretary to take the nomination from M/s Maharashtra Seamless, the composition of the Panel is as follows:  1. Shri B. B. Prasad (Convenor), M/s Tata Steel Ltd.  2. Shri Subhojit Bhattacharya, M/s Lalita Infraprojects Pvt. Ltd.  3. M/s Maharashtra Seamless (Nomination to be taken).  4. Shri Nagendra Vijayvargia, ISSDA  5. Shri M. Kannan, BHEL  **34th Meeting**  The Committee noted the information and agreed on member secretary’s proposal to revise the Part 2 & 3 along with the parts 1, 4 & 5.  The committee further requested members to work on IS 11714 Part 2 & 3 and prepare draft for the revision of part 2 & 3 within one month of time.  Shri B B Prasad was requested to provide the draft for part 2 & 3 within one month.  Once working draft is received for all parts of the standard, Committee decided to circulate among members for 21 days.  Committee also decided that If no comments received from members or comments received are in editorial nature same to process for Wide Circulation for 30 days.  **33rd Meeting**  The Committee requested Member Secretary to circulate the drafts received from Shri Nagendra Vijayvargia (ISSDA) among the Committee Members for 21 Days.  The committee further decided that the above documents to be circulated in WC for one month with approval of chairman if no comments received or comments received are in editorial nature.  **Previous Meetings**  ISSDA during the meeting made a presentation informing the committee about the work being done by the panel in formulating and upgrading standards on stainless steel pipes and tubes.  The committee requested the **Panel 7** to take an early action.  After the discussions during panel meeting on 19 Oct 2020, the drafts received from Panel were placed below  The Committee observed that the changes proposed in case of IS 1174 Pt.4 & 5 were more suitable for revising the standard in total rather than issuing an amendment.  Accordingly, the Committee suggested that IS 11714 Pt. 1, IS 11714 Pt.4 and IS 11714 Pt.1 may be considered for revision.  Accordingly, the Member Secretary was advised to circulate IS 11714 Pt. 4 & 5 among its members for 21 days inviting comments.  In addition, the Panel was requested to provide draft within two months suitable for revision of standard instead of an amendment for IS 11714 Pt.1.  The Committee deliberated on the proposal from Member Secretary to review Parts 2 and 3 relevant to steel tubes for heat exchanges barring Stainless steels and referred the matter to Panel 8 for providing working draft.  The Committee noted the Status shared by panel Convenor Sh Nagendra Vijayvargia (ISSDA) on draft document for revision of IS 11714 Pt.1, 4& 5 and requested convenor to submit the finalised working drafts within one month date of finalization of the minutes. | Panel 2 meeting was convened on 15 July 2024. The panel has prepared a draft for IS 11714 part 2 & 4. The draft is attached for further deliberation and discussion. The draft prepared by the panel 2 may be submitted to Panel 14 for finalization of draft for revision of IS 11714.    **The Committee may please deliberate and decide.** |
|  | **Amendment No. 3 to IS 4923 : 2017**  Hollow steel sections for structural use (Third Revision) | **37th Meeting**  The committee noted the information provided by member secretary that document was sent for printing and ready for gazette.  **36th Meeting**  The committee after deliberation decided that since amendment no 2 of IS 4923 is being implemented from 17th April 2024 and the amendment no 3 and the new IS on Cold Formed Welded Carbon Steel Square and Rectangular Hollow Sections for Mechanical, General Engineering and Decorative Purposes – Specification is also undue printing, the implementation of amendment no 2 of IS 4923 may be extended for period of 6 months. It was decided to inform the above proposal of committee to CMD2.  **35th Meeting**  The Committee decided to send the document for printing, if, no comment received or comment(s) received are editorial in nature till 22 November 2023, with approval of the chairperson.  **34th Meeting**  The committee deliberated at length and decided to include the raw material conforming to both IS 10748 and IS 2062 instead of IS 2062 only.  The committee decided to remove the less than 2 mm thickness clause from the current amendment till the standard for Hollow Steel Section for Mechanical and General Engineering Purpose is published based on various representation stated that in the absence of availability of Indian Standard for less than 2 mm manufacturer will have no option but the produce the material without BIS standard mark.  The committee decided to hold a panel meeting to deliberate the Elongation percent for the grades YSt 420 & YSt 460 and all other comments received on the said standard. The panel is requested to hold the meeting for deliberation on the proposed amendment within one month. Based on the discussion of the panel, the draft will be modified and circulated among members. If no comments are received or comments received are editorial in nature, Committee decided to send the document for wide circulation for 30 days. | The amendment 3 to IS 4923 is published.  **The Committee may note.** |
|  | **Second Revision of IS 9295 : 1983**  Specification for Steel Tubes for Idlers for Belt Conveyors (First Revision) | **37th Meeting**  The committee noted the information provided by member secretary that document was sent for printing and ready for gazette.  **35th Meeting**  The committee decided to change the panel convener Shri Udyan Tyagi, Tata Steel Ltd, by Shri B. B. Prasad M/s Tata Steel Ltd since Mr. Tyagi has already left Tata Steel.  The Committee agreed on the Chairperson’s proposal and directed the panel to hold a panel meeting on 24 November 2023 to deliberate on the comments received during the wide circulation period and send the updated draft by 27 November 2023.  After deliberating the comments the draft is to be again circulated in WC for 30 days, if the proposed changes are accepted otherwise the committee recommended to send the document for printing with approval of the chairperson. | The standard IS 9295 : 2024 is published.  **The Committee may note.** |
|  | **Formulation of new Standard:**  Single Wall Copper and Zinc Coated Steel Refrigerator Condenser Tubes – Specification | **37th Meeting**  The committee requested member secretary to contact proposer of the NWIP. If no response received from the proposer, then the proposal may be rejected.  **36th Meeting**  The Committee deliberated and reviewed the Panel Composition and it was decided to consult with B.B. Chandana to take nomination from EIL.  STMAI and MSL will also submit expert nominations. It was also decided to include SVS REFCOMP Pvt. Ltd. (The proposer of this standard) in the panel. The member secretary was requested to get in touch with the proposer and move the NWIP further.  **35th Meeting**  The Committee after deliberation requested members to propose name and contact details of the experts and following recommendations received:  a) Shri B. L. Chopra will share contact details of relevant expert from M/s MECON Ltd.  b) Shri Rameshwar Prasad will suggest suitable person from M/s EIL.  The committee further recommended holding the next panel meeting once the nominations are received.  **34th Meeting**  The committee advised members of the panel to hold next panel meeting as soon as possible to expedite the process of formulating this standard.  The committee further requested member secretary to ensure follow up with the organizations and get the nominations from the remaining organizations.  **33rd Meeting**  Committee requested Panel to submit their recommendations in one month to committee for consideration.  **Previous Meetings**  The proposal received through portal was circulated among members inviting comments till 20 Jan 2021.  Given its import value and that the product is component for condensers, the Committee recommended to formulate a standard and constituted Panel 9 as mentioned below for taking up the task:  1. Nomination from EIL/NML/MECON - Panel Convener  2. Sh BB Prasad, Tata Steel  3. Sh B Duari, Lalita Infra  4. Sh Nitin Jain, Surya Roshni  5. Sh Nikhil Srivastav, SVS  6. Another Manufacturer of the tubes  7. Two nominations from user industry comprising of manufacturers of condensers for refrigerators.  8. Nomination from MED 3  The Committee desired that the Panel should submit the following to the Committee:  I. Plan of work, which comprises of Selection of grades, sampling, source of samples, Tests to be carried out, Labs  II. Terms of reference for the task  III. Cost Estimation and Source of funding  IV. Timelines for completion  It was decided by the committee that panel to submit the report in 2 months after receipt of nominations from MECON and MED. | As decided in the last meeting, member secretary tried to contact on the number provided in the proposal. As per telephonic conversation with Shri Nikhil, he has resigned from SVS REFCOMP PRIVATE LIMITED.  In addition to this, MC has compared the proposal received with the existing standard IS 8119. It has been observed that, grades and mechanical testing requirement mentioned in the proposal is overlapping with IS 8119, except for few tests (i.e. leak test, moisture test and salt spray test). It is proposed that NWIP received may be rejected and it may be taken up in the future during review of IS 8119.  **The Committee may deliberate and decide.** |
|  | **Formulation of New Standard –**  **1. Carbon Steel Seamless Pipe**  **for High Temperature Services:**  **MTD (27052)**  **2. Black and Hot-Dipped, Zinc-Coated Seamless Steel Pipe:**  **MTD ()** | **37rd Meeting**  It was decided to circulate the p-draft among committee members for 10 days. Further, the committee also decided that if no comments received on p-draft or comments received are editorial in nature same to process for wide circulation for period of 30 days on approval of chairman of MTD 19. | Working Group 5 (seamless pipes and tubes) meeting convened on 23 Oct 2024 and 25 Nov 2024. WG 5 modified the P-draft on the recommendation of member secretary. has prepared draft on the subject. P-draft was circulated among members on 05 Dec 2024 for comments. The draft is attached for further discussion : -  [Document](Reference/03.%20Standard%20IS%20XXXX%20(A106)_06-Nov.docx)[Document](Reference/04.%20Standard%20%20IS%20XXX%20(A53)_06-Nov.docx)  **The Committee may deliberate and decide.** |
|  | **ISO TC 67/SC 2 Plenary Meeting** | Plenary meeting of ISO Technical Sub-Committee ISO/TC67/SC2 on Pipeline Transportation System from 15-16 April 2025 (Milan, Italy) | Member Secretary sent an email regarding nominations in the ISO/TC67/SC2 plenary meeting on 22 Nov 2024. Interested members are requested to provide nomination. |

**ANNEX-2**

**Steel Tubes, Pipes and Fittings Sectional Committee, MTD 19**

**Scope:** Standardization in the field of steel tubes, pipes and fittings including classification, designation and coding of steel tubes.

**Liaison:**

**Principle (P) Member**

**ISO TC 5** - Ferrous metal pipes and metallic fittings

**ISO TC 5/SC 1** - Steel tubes

**ISO TC 5/SC 5** - Threaded fittings, solder fittings, welding fittings, pipe threads, thread gauges

**ISO TC 17/SC 19** - Technical delivery conditions for steel tubes for pressure purposes

**ISO TC 67/SC 2** - Pipeline transportation system

**ISO TC 67/SC 5** - Casting, tubing & drill pipe

**Observer (O) Member**

**ISO TC 5/SC 10** - Metallic flanges and their joints

**ISO TC 67** - Oil and gas industries including lower carbon energy

**ISO TC 67/SC 4** - Drilling, production and injection equipment

**ISO TC 67/SC 6** - Process equipment, piping, systems, and related safety

**ISO TC 67/SC 7** - Offshore structures

*Thirty fifth Meeting* 07 November 2023 *VC*

*Thirty sixth Meeting* 10 April 2024 *Hybrid*

*Thirty seventh Meeting* 22 July 2024 *Hybrid*

**Attendance in last three Meetings:**

| ***Sl No.*** | ***Organization*** | ***Representative(s)*** | ***35th*** | ***36th*** | ***37th*** | ***Total*** |
| --- | --- | --- | --- | --- | --- | --- |
|  | Bharat Heavy Electrical Limited, New Delhi | Shri K. Athimoolam  Shri M. Kannan (Alternate Member)  **Nomination Revised;**  Shri Antony Harison MC (Principal Member)  Shri S. Madhan Kumar (Alternate Member) | P | N | N | 1/3 |
|  | Directorate General of Quality Assurance, Ministry of Defence, Ichapur | Shri K. Yadav  Shri Bikas Mondal (Alternate Member) | P | N | P | 1/3 |
|  | Engineers India Limited, New Delhi | Shri Rameshwar Prasad  Shri Sanjeev Gupta (Alternate Member) | P | P | N | 2/3 |
|  | Federation of Industries of India, Maharashtra | Shri H. L Bhardwaj | P | N | N | 1/3 |
|  | Gujarat Gas Company Limited, Ahmedabad | Shri Dharmesh Sailor  Shri Pramath Shailesh (Alternate Member) | P | N | P | 2/3 |
|  | Indian Oil Corporation Limited - Refineries and Pipelines Division, New Delhi | Shri Parichay Das | N | N | P | 1/3 |
|  | Indian Pipe Manufacturing Association, New Delhi | Shri Mayank Sharma  Shri Alok Jain (Alternate Member) | P | P | P | 3/3 |
|  | Indian Stainless Steel Development Association, Gurugram | Shri Rohit Kumar  Shri Nagendra Vijayvargia (Alternate Member) | P | P | P | 3/3 |
|  | Indus Tubes Limited, Pitampura, New Delhi | Shri I. P. Jain  Shri C. K. Kaushik (Alternate Member) | P | P | P | 3/3 |
|  | Lalita Infraprojects Private Limited, Kolkata | Dr Buddhadeb Duari  Shri Subhojit Bhattacharya (Alternate Member) | P | P | P | 3/3 |
|  | Maharashtra Seamless Limited, Sukeli | Shri D. P. Singh  Shri P. S. N. Ramesh (Alternate Member)  Shri Hemant Matreja (Young Professional) | - | P (as invitee) | P | 2/2 |
|  | Mazagon Dock Limited, Mumbai | Shri Vinod Kumar Parkewar  Shri Harshin Dave (Alternate Member) | P | N | P | 2/3 |
|  | RITES Limited, Gurugram | Shri Ramendra Kumar  Shri Ajay Sharma (Alternate Member) | P | N | N | 1/3 |
|  | Seamless Tube Manufacturers Association of India, New Delhi | Shri Avnish Kumar  Shri Simranjeet Singh (Alternate Member) | - | P (as invitee) | P | 2/2 |
|  | Shri Bajrang Power and Ispat Limited, Raipur | Shri Banwari Lal Chopra  Shri Praveen Kumar (Alternate Member) | P | P | P | 3/3 |
|  | Society of Indian Automobile Manufacturers (SIAM), Delhi | Shri P. K. Banerjee  Shri Amit Kumar (Alternate Member) | P | N | P (Ms Mukti Prasad as representative) | 1/3 |
|  | Surya Roshni Limited, Delhi | Shri N. K. Singla  Shri Nitin Jain (Alternate Member) | P | P | P | 3/3 |
|  | Tata Steel Limited, Kolkata | Shri Braj B. Prasad | P | P | P | 3/3 |
|  | Welspun India Limited, Mumbai | Shri Jignesh Mahendra Choksi  Shri Prakashmal Tatia (Alternate Member) | P | P | P | 3/3 |

**ANNEX-4**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **IS Number** | **IS Title** | **Remarks** |
| 1 | IS 10577 : 1982 | Specification for lancing pipes |  |
| 2 | IS 11714 (Part 15) : 1986 | Specification for steel tubes for heat exchangers |  |
| 3 | IS 12620 : 1989 | Seamless steel tubes for manufacturing high pressure gas cylinders - Specification |  |
| 4 | IS 12791 : 1989 | High carbon chromium bearing steel tubes for the manufacture of bearing races – Specification |  |
| 5 | IS 13197 : 1991 | Grooved pipe couplings - Specification |  |
| 6 | IS 2039 (Part 13) : 1991 | Steel tubes for bicycle and cycle rickshaws - Specification (Second Revision) |  |
| 7 | IS 2416 : 1986 | Specification for boiler and superheater tubes for marine and naval purposes (First Revision) |  |
| 8 | IS 4712 : 1984 | Specification for forged steel, socket - Welding fittings (First Revision) |  |
| 9 | IS 5433 : 1969 | Specification for oil well steel casing pipes and couplings |  |
| 10 | IS 5504 : 1997 | Specification for spiral welded pipes (First Revision) |  |
| 11 | IS 6286 : 1971 | Specification for seamless and welded steel pipes for sub - Zero temperature service |  |
| 12 | IS 6630 : 1985 | Specification for seamless ferritic alloy steel pipes for high temperature steam services (First Revision) |  |
| 13 | IS 6631 : 1972 | Steel Pipes for Hydraulic Purposes |  |
| 14 | IS 6647 : 1972 | Specification for drill pipes for use in oil or natural gas wells |  |
| 15 | IS 7138 : 1973 | Specification for steel tubes for furniture purposes |  |
| 16 | IS 7174 : 1974 | Specification for carbon steel tubes for use on board ships for working pressures 0.7 to 1.7 n/mm2 |  |
| 17 | IS 8036 : 1976 | Specification for mild steel transformer cooling tubes |  |
| 18 | IS 8119 : 1976 | Specification for copper brazed steel tubing |  |
| 19 | IS 9158 : 1979 | Specification for cold - Drawn high pressure fluid power cylinder tubes |  |
| 20 | IS 1956 (Part 8) : 1976 | Glossary of terms relating to iron and steel: Part 8 steel tubes and pipes (First Revision) |  |

**ANNEX-5**

Following Standards are allocated to BIS officers as Action Research Project in various Phases to review the pre-2000 Standards:

|  |  |  |
| --- | --- | --- |
| **Sl No.** | **IS No.** | **IS Title** |
|  | IS 12620 | Seamless steel tubes for manufacturing high pressure gas cylinders - Specification |
|  | IS 1956 (Part-8) | Glossary of terms relating to iron and steel: Part 8 steel tubes and pipes (First Revision) |
|  | IS 2039 (Part 1 to 3) | Steel tubes for bicycle and cycle rickshaws - Specification |
|  | IS 11428 (Part-3) | Specification for wrought carbon steel butt - Welding pipe fittings |
|  | IS 11722 | Specification for thin walled flexible quick coupling pipes |
|  | IS 4712 | Specification for forged steel, socket - Welding fittings |
|  | IS 13197 | Grooved pipe couplings - Specification |
|  | IS 6286 | Specification for seamless and welded steel pipes for sub - Zero temperature service |
|  | IS 6630 | Specification for seamless ferritic alloy steel pipes for high temperature steam services |
|  | IS 5433 | Specification for oil well steel casing pipes and couplings |
|  | IS 6647 | Specification for drill pipes for use in oil or natural gas wells |
|  | IS 7138 | Specification for steel tubes for furniture purposes |
|  | IS 6631 | Steel Pipes for Hydraulic Purposes |
|  | IS 10577 | Specification for lancing pipes |
|  | IS 8119 | Specification for copper brazed steel tubing |
|  | IS 9158 | Specification for cold - Drawn high pressure fluid power cylinder tubes |
|  | IS 8036 | Specification for mild steel transformer cooling tubes |
|  | IS 5504 | Specification for spiral welded pipes (First Revision) |
|  | IS 12791 | High carbon chromium bearing steel tubes for the manufacture of bearing races - Specification |

**ANNEX-6**

The list of all Published Indian Standards under MTD 19 are given below:

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **IS Number** | **IS Title** |
| 1 | IS 3074 : 2013 | Steel tubes for automotive purposes - Specification (Third Revision) |
| 2 | IS 5429 : 2013 | Dimensions for steel tubes for automotive purposes (Second Revision) |
| 3 | IS 10577 : 1982 | Specification for lancing pipes |
| 4 | IS 11428 (Part 13) : 1985 | Specification for wrought carbon steel butt - Welding pipe fittings |
| 5 | IS 1161 : 2014 | Steel tubes for structural purposes - Specification (Fifth Revision) |
| 6 | IS 11714 (Part 15) : 1986 | Specification for steel tubes for heat exchangers |
| 7 | IS 11722 : 1986 | Specification for thin walled flexible quick coupling pipes |
| 8 | IS 1239 (Part 1) : 2004 | Steel tubes, tubulars and other wrought steel fittings - Specification: Part 1 steel tubes (Sixth Revision) |
| 9 | IS 1239 (Part 2) : 2011 | Steel tubes, tubulars and other steel fittings - Specification: Part 2 steel pipe fittings (Fifth Revision) |
| 10 | IS 12620 : 1989 | Seamless steel tubes for manufacturing high pressure gas cylinders - Specification |
| 11 | IS 12791 : 1989 | High carbon chromium bearing steel tubes for the manufacture of bearing races - Specification |
| 12 | IS 13197 : 1991 | Grooved pipe couplings - Specification |
| 13 | IS 2039 (Part 13) : 1991 | Steel tubes for bicycle and cycle rickshaws - Specification (Second Revision) |
| 14 | IS 2416 : 1986 | Specification for boiler and supherheater tubes for marine and naval purposes (First Revision) |
| 15 | IS 3589 : 2001 | Steel pipes for water and sewage (168.3 To 2540 Mm Outside Diameter) - Specification (Third Revision) |
| 16 | IS 3601 : 2006 | Steel tubes for mechanical and general engineering purposes - Specification (Second Revision) |
| 17 | IS 4270 : 2001 | Steel tubes used for water wells specification (Third Revision) |
| 18 | IS 4711 : 2008 | Methods for sampling of steel pipes, tubes and fittings (Second Revision) |
| 19 | IS 4712 : 1984 | Specification for forged steel, socket - Welding fittings (First Revision) |
| 20 | IS 4923 : 2017 | Hollow steel sections for structural use - Specification (Third Revision) |
| 21 | IS 5433 : 1969 | Specification for oil well steel casing pipes and couplings |
| 22 | IS 5504 : 1997 | Specification for spiral welded pipes (First Revision) |
| 23 | IS 6286 : 1971 | Specification for seamless and welded steel pipes for sub - Zero temperature service |
| 24 | IS 6392 : 2020 | Steel Pipes Flanges — Specification ( First Revision ) |
| 25 | IS 6630 : 1985 | Specification for seamless ferritic alloy steel pipes for high temperature steam services (First Revision) |
| 26 | IS 6631 : 1972 | Steel Pipes for Hydraulic Purposes |
| 27 | IS 6647 : 1972 | Specification for drill pipes for use in oil or natural gas wells |
| 28 | IS 6913 : 2023 | Stainless steel tubes for the food, beverage, dairy and pharmaceutical industry ï¿½ Specification |
| 29 | IS 7138 : 1973 | Specification for steel tubes for furniture purposes |
| 30 | IS 7174 : 1974 | Specification for carbon steel tubes for use on board ships for working pressures 0.7 to 1.7 n/mm2 |
| 31 | IS 8036 : 1976 | Specification for mild steel transformer cooling tubes |
| 32 | IS 8119 : 1976 | Specification for copper brazed steel tubing |
| 33 | IS 9158 : 1979 | Specification for cold - Drawn high pressure fluid power cylinder tubes |
| 34 | IS 9295 : 2024 | Specification for steel tubes for idlers for belt conveyors (First Revision) |
| 35 | IS 1956 (Part 8) : 1976 | Glossary of terms relating to iron and steel: Part 8 steel tubes and pipes (First Revision) |
| 36 | IS/ISO 3183 : 2019 | Petroleum and Natural Gas Industries Steel Pipe for Pipeline Transportation Systems ( Second Revision ) |
| 38 | IS 17875 : 2022 | Stainless Steel seamless pipes and tubes for general service |
| 39 | IS 17876 : 2022 | Stainless steel welded pipes and tubes for general service |

**ANNEX-7**

**Proforma for proposing New Subject for National Standardization**

|  |  |
| --- | --- |
| **Select Organization Type\*** | **Select Your organization** |
| Central Government |
| State Government |
| Industry/ Industry Association |
| Others |
| R&D/ Scientific/Academia |
| Individual |
| Consumer Body / NGO |

**Part – 1**

|  |  |  |
| --- | --- | --- |
|  | Proposer Name\* |  |
|  | Email-ID\* |  |
|  | Contact No\* |  |
|  | Address\* |  |

**Part – 2**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Proposed Title of Standard\* | |  |
|  | Aspect\* | Product Specification |  |
| Code of Practice |
| Method of Tests |
| Terminology |
| Dimensions |
| Safety Standard |
| Others |
| Service Specification |
| Process Specification |
|  | Define subject of standard\* | |  |
|  | Select Most Relevant Technical Department\* | |  |

**Part – 3**

|  |  |  |
| --- | --- | --- |
|  | Scope of proposed standard\* |  |
|  | Purpose and Justification \* |  |
|  | Likely users of standards and their inputs \* |  |
|  | Any related standards/series of standard/system standard required to make this subject standard complete\* |  |
|  | When the final standard would be required\* |  |
|  | Any specific problem being faced without this standard\* |  |
|  | Bearing with Govt legislation regulation, etc\* |  |
|  | Name and address of manufacturers/ implementing/ industries/ purcxhasing organization /component supplier/ raw material supplier, if any\* |  |
|  | Status of the industry in the country\* |  |
|  | Availability of test facilities in the country\* |  |
|  | Whether related to variety reduction, export, health, safety consumer protection, mass consumption, energy conservation, technology transfer, technology upgradation, protection of environment & other National priorities\* |  |
|  | Whether subject requires consideration to be given to women/girl issues in line with Sustainable Goal 5 of the UN. If so, whether the issues are proposed to be addressed suitably in the proposed standard\* |  |
|  | Relevant supportive document |  |
|  | R & D work done in India\* |  |
|  | Any foreign collaboration (give details)\* |  |
|  | Liaison with any organization(s)\* |  |
|  | Preparatory work\* | * Draft attached |
| * Outline attached and draft can be prepared |
| * No draft possible (provide reasons) |
|  | Whether this project can be funded by your organization?\* |  |
|  | Whether your organization would be interested to opt for BIS Standard Mark once the standard is published?\* |  |
|  | Any Other Attachment (extra) : |  |