

**Bureau of Indian Standards**

**Metallurgical Engineering Department**

**Agenda**

***of***

**27th Meeting of MTD 11 Sectional Committee**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Welding General and its Applications Sectional Committee,  MTD 11 | **27th** | Friday | **13th December 2024** | 10:30 am | **Virtual Meeting**  **Venue:**  **Manak Bhawan, Bureau of Indian Standards, 9, Bahadur Shah Zafar Marg, New Delhi, Delhi-110002**  **Meeting ID :** 2510 848 9912  **Password :** MTD11  **Meeting URL:**  <https://bismanak.webex.com/bismanak/j.php?MTID=ma29d049768647ef950e88bce3e021986>  **For more details, contact:**  **Email:** [mtd11@bis.gov.in](mailto:mtd11@bis.gov.in) |

***Chairperson*: Dr Shaju K. Albert *Member Secretary*: Shri Vishal Kumar Rana**

# Item 0 General

**0.1 Welcome Address by BIS**

**0.2 Opening Remarks by the ad hoc Chairperson**

# Item 1 Confirmation of Minutes of the Last Meeting

The minutes of 26th meeting of Welding General and its Applications Sectional Committee, MTD 11 held on 06 September 2024 was circulated among the members via BIS portal on 23 September 2024 inviting comments till 08 October 2024. No comments were received from the members.

**The committee may consider and approve the minutes of the previous meeting.**

# Item 2 Issue Arising Out of the Previous Meeting of MTD 11

The issues arising out of the previous meeting of MTD 11, actions taken on them and progress made thereof are given in [**Annex-1**](#Annexure1).

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

# Item 3 Scope and Composition of Sectional Committee, MTD 11

**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. A recent directive from DG, BIS has been received to include young scientists/professionals in the composition of the technical committees. Committee may please identify young scientists/professionals for inclusion in the committee. Also, members are expected to actively participate in the committee work which includes participating in meetings as well as in formulation and commenting on draft documents. Failing to do so may lead in withdrawal of membership.

**3.1.1** The committee in its last meeting after deliberation requested member secretary to get updated/fresh nominations from following organizations:

| **Sl No.** | **Organization** | **Decision of the committee in last meetings** | **Action Taken** |
| --- | --- | --- | --- |
| 1. | Indira Gandhi Centre for Atomic Research, Kalpakkam | Mail regarding fresh nominations was sent to the organization on 24th April 2023.  The committee in its last meeting advised the member secretary to contact the Principal member of IGCAR Shri M Krishnamoorthy regarding the nominating authority of the organization and send the mail regarding fresh nomination for the alternate member.  Mail regarding contact details of the nominating authority of the organization was sent to Shri M Krishnamoorthy dated 07-08-2023.  No reply has been received.  The committee advised the member secretary to again contact Shri Krishnamoorthy regarding fresh nominations.  Member secretary contacted Shri M Krishnamoorthy regarding contact details of the nominating authority of the organization.  No reply has been received.  Chairperson, Shri Shaju K. Albert mentioned that he will coordinate with Shri M. Krishnamoorthy to get the contact details of the nominating authority.  He also asked Member secretary to send reminder mail.  Fresh nominations still need to be sought.  The committee requested member secretary to send the nomination mail to Indira Gandhi Centre for Atomic Research, Kalpakkam.  Chairperson informed that Shri Krishnamoorthy informed him that Shri Aniket Shingewad who is attending this meeting would be the alternate member. IGCAR would also nominate a lady member. Shri Krishnamoorthy is in the process of getting necessary approvals for the same.  Nominations are still awaited.  The committee requested member secretary to follow up with IGCAR and take the fresh nominations. | An email was sent to Shri M. Krishnamoorthy on 04 September 2024, requesting revised nominations and no reply received.  A follow up email has been sent on 10 December 2024 and the reply is awaited.  **The committee may note and decide.** |
| 3. | Indian Welding Society | Member secretary didn’t find contact details of the organization  The committee in its last meeting advised member secretary to contact Dr Asok kumar regarding the contact details of the nominating authority of the organization.  Mail Regarding fresh nominations was sent to the organization.  No reply has been received.  The committee advised the member secretary to contact Dr Raju regarding fresh nominations.  Member secretary didn’t find contact details of Dr Raju.  Shri Lakavath Praveen shared contact number of Dr Raju during the meeting.  Contact No.: 9994722100  Fresh nominations still need to be sought.  The committee requested member secretary to again contact Dr Raju to seek fresh nomination from Indian Welding Society.  Dr Raju need to be contacted.  The committee requested member secretary to contact Dr Raju and take the nominations. | The email was sent to Dr N. Raju seeking fresh nominations dated 12 December 2024. |

**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 two consecutive meetings 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.

**3.5** The present composition of MTD 11 is given in **[Annex-2](#Annexure2)**.

**Item 4 Draft Standards/Amendments for Finalization**

There are currently no draft standards/amendments for finalization (approval for finalization was taken in the 23rd meeting of MTD 11).

**The committee may note.**

**Item 5 Draft Standard/ Amendments for Approval for Wide Circulation**

There are currently no new drafts for wide circulation (approval for WC was taken in the 23rd meeting of MTD 11).

**The committee may deliberate and decide.**

**Item 6 Drafts under Preparation**

Please refer action taken report of the agenda for the drafts under preparation.

**The committee may please note.**

**Item 7 Comments on Published Standards**

The committee in its 26th TC meeting decided to discuss the comments received on the printed Indian Standards in the 27th TC meeting.

The comments received on the printed Indian Standards since the 25th TC meeting of MTD 11 is placed below:



**The committee may deliberate and decide.**

**Item 8 New Subjects for Standardization**

Since the last committee meeting no new proposal has been received.

**The committee may deliberate and decide**

**8.1** Proforma for proposing new subjects for national standardization is attached below:



**The committee may please note**.

**Item 9 Technical Issues**

There were no technical issues arriving out of the last committee meeting.

**The committee may please note.**

**Item 10 International Activities**

**10.1 Interaction with ISO**

**10.1.1** 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.

**10.1.2** India is ‘P’ member on ISO Technical Committee - **ISO/TC 44** - Welding and allied processes. The technical committee was further divided at present in to following working groups/Subcommittee.

ISO/TC 44 Welding and allied processes - O member

ISO/TC 44/AG 1 Welding of thermoplastic moulded components

ISO/TC 44/WG 5 Welding simulation

ISO/TC 44/SC 3 Welding consumables - P member

ISO/TC 44/SC 5 Testing and inspection of welds - P member

ISO/TC 44/SC 6 Resistance welding and allied mechanical joining - P member

ISO/TC 44/SC 7 Representation and terms - P member

ISO/TC 44/SC 8 Equipment for gas welding, cutting and allied processes - O member

ISO/TC 44/SC 9 Health and safety - O member

ISO/TC 44/SC 10 Quality management in the field of welding - P member

ISO/TC 44/SC 11 Qualification requirements for welding and allied processes personnel - P member

ISO/TC 44/SC 12 Soldering materials - O member

ISO/TC 44/SC 13 Brazing materials and processes - O member

ISO/TC 44/SC 14 Welding and brazing in aerospace - Not member

ISO/TC 44/SC 15 Underwater welding - P member

**10.1.3** The details of the standards formulated by ISO Technical Committee-ISO/TC 44 - Welding and allied processes are given below:

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**The committee may note.**

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

**10.2.1** India being a **`P’** member in **ISO/TC 44** and its various subcommittees**,** **‘P’** members have to participate actively in the work, with an obligation to vote on all documents formally submitted for voting within the technical committee or subcommittee and on draft documents at different stages of processing and to participate in meeting(s), in order to place our viewpoints on the ISO standards effectively.

**The committee may note.**

**10.2.2 ISO Meeting calendar**



**The committee may note.**

**10.2.3** Since thelast TC meeting of MTD 11, the ISO meetings pertaining to MTD 11 have been attended by the following Indian Delegates:

| **Sl No.** | **ISO TC/SC** | **Meeting No.** | **Attended by** | **Mode & Meeting Date** | **Outcome of attending the meeting** |
| --- | --- | --- | --- | --- | --- |
|  | ISO/TC 44 | 46th Plenary meeting | 1. Dr Shaju K. Albert 2. Shri Vishal Kumar Rana | Virtual (Zoom)  08 Nov 2024 | Refer attached minutes of ISO/TC 44. |
|  | ISO/TC 44/SC 7 | 39th Plenary meeting | 1. Shri Vishal Kumar Rana 2. Shri Rudresh HM | Virtual (Zoom)  07 Nov 2024 | The subcommittee ISO/TC 44/SC 7 agrees to register a work item for the revision of ISO 2553 : 2019.  The subcommittee ISO/TC 44/SC 7 also decided to re-establish WG 1 “Revision of ISO 2553” for the purposes of revising ISO 2553 : 2019 and appointed Andrew Davis as WG 1 Convenor. |
|  | ISO/TC 44/SC 11 | 45th Plenary meeting | 1. Dr Shaju K. Albert | Virtual (Zoom)  06 Nov 2024 | The subcommittee ISO/TC 44/SC 11 agreed to:   * Reactivate ISO/TC 44/SC 11/WG 2 with Italy as convener (name to be provided later) * Create a preliminary work item for the revision of ISO 14731 * Circulate a call for experts for the revision of ISO 14731   The subcommittee ISO/TC 44/SC 11 also decided to hold first meeting within 3 months to determine date and time. |

The meeting Agenda, Resolution and Minutes of ISO/TC 44, ISO/TC 44/SC 7 and ISO/TC 44/SC 11 has been placed below:

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**The committee may note.**

**10.2.4** Since thelast TC meeting of MTD 11, the committee has nominated **Shri Rudresh HM** as an **expert** to represent India in the **ISO/TC 44/SC 7/WG 1** for the revision of **ISO 2553**.

**The committee may note.**

**10.3 Harmonizing of Indian standards with ISO standards**

**10.3.1** 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.

**10.3.2** Members are requested to examine ISO standards vis-à-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.**

**10.4 WTO-TBT Enquiry Point**

**10.4.1** 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 procedures 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 the WTO TBT Agreement. Under this Agreement, India has to fulfil 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.

**10.4.2** 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 Points 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.

**10.4.3** 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.

**10.4.4** In BIS, International Relations & Technical Information Services Department (IR&TISD) operates the WTO-TBT Enquiry Point Services. IR & TISD 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.

**10.4.5** The BIS technical committees have also been identified as stakeholders 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.

**10.4.6** The email address of BIS Enquiry Point is as follows:

BIS Email: [info@bis.org.in](about:blank)

**The Committee may please note**.

**Item 11 Programme of Work**

**11.1** The updated list of Indian Standards formulated by MTD 11 is given below:

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**The committee may please note**.

**11.2 Review of Indian Standards**

**11.2.1 Periodical Review of 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:

**11.2.2** 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.

**11.2.3** 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 organization thereunder. The Sectional Committee shall decide the individuals or organizations to be assigned Action Research projects.

**11.2.4** The present directives indicate that the standards fall under the above category shall be reviewed thoroughly and while reviewing following points should be considered.

**i) Does the Standard meet the present demand of the industry and the consumers?**

**ii) Is it compatible with the available international standards,**

**iii) Whether these standards are required to be continued or not,**

**iv) Prospective implementation of the standard,**

**11.2.5** Standards that are due for review this year are as follows:

| **Sl No.** | **IS No.** | **Title** |
| --- | --- | --- |
|  | IS 10186 : 2015 | Recommendations for manual tungsten insert gas arc welding of copper and copper alloys (First Revision) |
|  | IS 814 : 2004 | Covered electrodes for manual metal arc welding of carbon and carbon manganese steel — Specification (Sixth Revision) |

Members may suggest following options with regard to above standard:

**i)  The standards may be reaffirmed in its present form;**

**ii) The standards may be reaffirmed with minor changes by issuing an amendment; (Attach the changes with due justification)**

**iii)  The standards may be reaffirmed with simultaneously taking up the revision; and**

**iv) The standards may be withdrawn. (Provide justification)**

**The Committee may consider for reaffirmation/revision/issue of amendment to the above standards**

**11.3** Following standards have been published since last meeting of MTD 11:

| **Sl No.** | **Doc. No.** | **IS No.** | **Title** |
| --- | --- | --- | --- |
|  | MTD/11/24183 | IS 812 (Part 1) : 2024 /  ISO/TR 25901-1:2016 | Welding and allied processes — Vocabulary: Part 1 General terms (First Revision) |
|  | MTD/11/24184 | IS 812 (Part 2) : 2024 /  ISO 25901-2:2022 | Welding and allied processes — Vocabulary: Part 2 Health and safety (First Revision) |
|  | MTD/11/24185 | IS 812 (Part 3) : 2024 /  ISO/TR 25901-3:2016 | Welding and allied processes — Vocabulary: Part 3 Welding processes (First Revision) |
|  | MTD/11/24186 | IS 812 (Part 4) : 2024 /  ISO/TR 25901-4:2016 | Welding and allied processes — Vocabulary: Part 4 Arc welding (First Revision) |
|  | MTD/11/24331 | IS 18828 : 2024 /  ISO 14732 : 2013 | Welding personnel — Qualification testing of welding operators and weld setters for mechanized and automatic welding of metallic materials |

**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 under XII plan funds are given:

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**The Committee may please note.**

**Item 13 Latest Initiatives Taken by BIS**



**The committee may note.**

**13.1** The Rolling Annual Action Plan for the year 2024-25.



**The committee may note.**

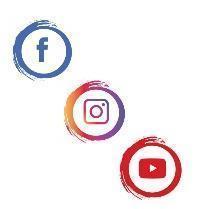
**13.2** Tentative Annual Calendar of Technical Committee meetings

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Meeting schedule 2024-25 of MTD 11** | | | | | | | | | | | |
| **April, 2024** | **May, 2024** | **June, 2024** | **July, 2024** | **August, 2024** | **September, 2024** | **October, 2024** | **November, 2024** | **December, 2024** | **January, 2025** | **February, 2025** | **March, 2025** |
|  |  | 07 Jun 2024 |  |  | 06 Sep 2024 |  |  | 13 Dec 2024 |  | 11 Feb 2025 |  |

# Item 14 Latest Initiatives Taken by BIS

**14.1 Pro-Active Actions Taken for Dissemination of Information through Social Media:**

**14.1.1** Since last meeting of the Council, a series of important Indian Standards have been published and number of workshops/seminars have been conducted by BIS for dissemination of information about these. In order to reach large number of stakeholders and communicate effectively with them, social media tools like Facebook, Instagram, WhatsApp, Twitter, LinkedIn, YouTube, etc are being utilized by BIS and the same may be followed at below mentioned links for information on BIS activities:

Facebook: <https://www.facebook.com/IndianStandards/> 

Instagram: <https://www.instagram.com/indianstandards/>

YouTube: <http://bit.ly/BISYouTubeOfficial>

LinkedIn: <http://bit.ly/BISLinkedInOfficial> 

Twitter: [http://bit.ly/BISTwitterOfficial](http://bit.ly/BISTwitterOfficial%20) (@IndianStandards)

**The Committee may please note**

**14.2 Introducing Young Professionals in the Standardization Activity of BIS**

**14.2.1** 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 up to the age of 37 years and having expertise in the respective discipline.

**The Committee may please note**

**Item 15 Tasks Assigned to the Technical Committees by BIS**

**15.1** In order to improve the performance of the technical committees, BIS has assigned the following tasks to the technical Committees. The Committees have 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 16 Date and Place of Next Meeting**

The next meeting of MTD 11 is scheduled for 11 February 2025.

**The Committee may note and decide.**

**Item 17 Any Other Business**

**[Annex-I](#Annex1)**

[(](#Annex1)*[Item](#Annex1)* [2)](#Annex1)

| **Sl No.** | **Subject** | **Decision of the committee during previous meetings** | **Action Taken** |
| --- | --- | --- | --- |
|  | **ISO 14732 : 2013**  *Welding personnel — Qualification testing of welding operators and weld setters for mechanized and automatic welding of metallic materials.* | The committee in its 22nd sectional committee meeting decided to adopt 14732:2013 as a new standard and send the document for wide circulation for the period of 30 days.  The document **MTD/11/24331** was wide circulated on 06-12-2023 for the period of 30 days.  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  **24th Meeting**  The draft documents still needs to be finalized.  The committee noted the information.  **25th Meeting**  The document is being finalized and is under process for sending the document to publication.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The document is yet to be printed.  The committee noted the information. | The document has been printed.  **The committee may note.** |
|  | **IS 15769 : 2008**  *Flux cored (Tubular) electrodes for gas shielded and self-Shielded metal welding of carbon or carbon-manganese steel Amendment – 2*  **Doc: MTD/11/26987** | **25th Meeting**  Comment from M/s Hyundai Welding on IS 15769, requesting to issue Amendment:    The committee after deliberation on comments by Hyundai Welding on IS 15769 decided to include standard sizes of pay-off package/drums in clause **4.4.4** along with a note stating other sizes can be as per agreement between the purchaser and the supplier.  **26th Meeting**  The Amendment is under preparation.  The committee decided to wide circulate the draft amendment for 30 days. | The **draft Amendment No. 2** has been wide circulated on 03 December 2024 for 30 days.  The members are requested to submit their comments before 02 January 2025. In case we do not receive any comments or comments received are editorial in nature then the draft Amendment No. 2 may be sent for printing with approval of the chairperson.  **The committee may note and decide.** |
|  | **IS 6419 : 1996**  *Welding rods and bare electrodes for gas shielded arc welding of structural steel — Specification (First Revision) Amendment – 2*  **Doc: MTD/11/24613** | The committee in its 23rd sectional committee meeting decided to issue an amendment accepting and incorporating the following changes:   |  |  |  |  | | --- | --- | --- | --- | | **Clause** | **Comments** | **Proposed change** | **Remarks, if any** | | Clause 13.1  (Row 2, Column 2) | 420 | 400 | Nil | | Clause 13.1  (Row 2, Column 3,) | 500-640 | 490 | Nil | | Table 7 (Row 6, Column 2) | 0.07 to 0.15 | 0.06 to 0.15 | Same as suggested by Tata Steel |   **24th Meeting**  The document **MTD/11/24613** was wide circulated on 09-01-2024 for the period of 30 days.  Following comments have been received:    The committee deliberated on the comments received and the decisions of the committee is attached below:    **25th Meeting**  The Amendment has been wide circulated on 5th June 2024, members may send their comments till 5th July 2024.  The committee noted the information and requested members to submit their comments, if any, before 5th July 2024.  **26th Meeting**  The document **MTD/11/24613** was wide circulated on 05 June 2024 for the period of 30 days and following comments were received:    The committee deliberated in details on the comments received and the decisions made by the committee has been placed below:    The committee after detailed deliberation on the comments received decided to wide circulate the document again for 30 days after incorporating the comments agreed by the committee. | The **draft Amendment No. 2** to IS 6419 : 1996 was wide circulated on 30 October 2024 for 30 days seeking comments till 29 November 2024 and we have received following comments:    **The committee may deliberate and decide.** |
|  | **IS 3600 (Part 2) : 2022/ISO 9016 : 2012**  *Method of testing fusion welded joints and weld metal in steel Part 2 Destructive tests on welds in metallic materials Impact tests Test specimen location notch orientation and examination*  **Doc: MTD/11/26451** | The committee in its 23rd sectional committee meeting decided to revise the standard by adopting ISO 9016:2022.  **24th Meeting**  The draft document still needs to be wide circulated.  The committee noted the information.  **25th Meeting**  The document still needs to be wide circulated.  The committee after deliberation decided to wide circulate the document for 60 days.  **26th Meeting**  The document **MTD/11/26451** has been wide circulated on 30 August 2024 for 60 days and the last date for comment is 27 October 2024. Hence, the members are requested to submit their comments before 27 October 2024.  The committee noted the information and decided to send the document for printing with approval of the chairperson, if no comments received or comments received are editorial in nature. | The document **MTD/11/26451** was wide circulated on 30 August 2024 for 60 days seeking comments till 27 October 2024 and we have received following comment:    **The committee may deliberate and decide.** |
|  | **IS 3600 (Part 3) : 2018/ISO 4136 : 2001**  *Method of Testing Fusion Welded Joints and Weld Metal in Steel Part 3 Destructive Tests on Welds in Metallic Materials — Transverse Tensile Test*  **Doc: MTD/11/26452** | The committee in its 23rd sectional committee meeting decided to revise the standard by adopting ISO 4136:2022.  **24th Meeting**  The draft document still needs to be wide circulated.  The committee noted the information.  **25th Meeting**  The document still needs to be wide circulated.  The committee after deliberation decided to wide circulate the document for 60 days.  **26th Meeting**  The document is being wide circulated.  The committee noted the information. | The document **MTD/11/26452** was wide circulated on 07 October 2024 for 60 days seeking comments till 06 December 2024 and we have received following comment:    **The committee may deliberate and decide.** |
|  | **IS 3600 (Part 5) : 2018/ISO 5173 : 1981**  *Method of Testing Fusion Welded Joints and Weld Metal in Steel Part 5 Destructive Tests on Welds in Metallic Materials — Bend Tests*  **Doc: MTD/11/26453** | The committee in its 23rd sectional committee meeting decided to revise the standard by adopting ISO 5173:2023.  **24th Meeting**  The draft document still needs to be wide circulated.  The committee noted the information.  **25th Meeting**  The document still needs to be wide circulated.  The committee after deliberation decided to wide circulate the document for 60 days.  **26th Meeting**  The document is being wide circulated.  The committee noted the information. | The document **MTD/11/26453** was wide circulated on 09 October 2024 for 60 days seeking comments till 08 December 2024 and we have received following comment:    **The committee may deliberate and decide.** |
|  | **IS 3600 (Part 9) : 2022/ISO 17639 : 2003**  *Method of testing fusion welded joints and weld metal in steel Part 9 Destructive tests on welds in metallic materials Macroscopic and microscopic examination of welds*  **Doc: MTD/11/26455** | The committee in its 23rd sectional committee meeting decided to revise the standard by adopting ISO 17639:2022.  **24th Meeting**  The draft document still needs to be wide circulated.  The committee noted the information.  **25th Meeting**  The document still needs to be wide circulated.  The committee after deliberation decided to wide circulate the document for 60 days.  **26th Meeting**  The document is being wide circulated.  The committee noted the information. | The document **MTD/11/26455** was wide circulated on 08 October 2024 for 60 days seeking comments till 07 December 2024 and we have received following comment:    **The committee may deliberate and decide.** |
|  | **IS 15326 (Part 5) : 2019/ ISO 3834-5 : 2015**  *Quality Requirements for Fusion Welding of Metallic Materials Part 5 Documents with which it is Necessary to Conform to Claim Conformity to the Quality Requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4*  **Doc: MTD/11/26678** | The committee in its 23rd sectional committee meeting decided to revise the standard by adopting ISO 3834-5:2021.  **24th Meeting**  The draft document still needs to be wide circulated.  The committee noted the information.  **25th Meeting**  The document still needs to be wide circulated.  The committee after deliberation decided to wide circulate the document for 60 days.  **26th Meeting**  The document is being wide circulated.  The committee noted the information. | The document **MTD/11/26678** has been wide circulated on 28 October 2024 for 60 days.  The members are requested to submit their comments before 27 December 2024. In case we do not receive any comments or comments received are editorial in nature then the document may be sent for printing with approval of the chairperson.  **The committee may note and decide.** |
|  | **IS 4972 (Part 7) : 2022/ISO 1089 : 1980**  *Resistance Spot Welding Part 7 Electrode Taper Fits for Spot Welding Equipment – Dimensions*  **Doc: MTD/11/26891** | The committee in its 23rd sectional committee meeting decided to revise the standard by adopting ISO 1089:2023.  **24th Meeting**  The draft document still needs to be wide circulated.  The committee noted the information.  **25th Meeting**  The document still needs to be wide circulated.  The committee after deliberation decided to wide circulate the document for 60 days.  **26th Meeting**  The document is yet to be wide circulated.  The committee noted the information. | The document **MTD/11/26891** has been wide circulated on 07 November 2024 for 60 days.  The members are requested to submit their comments before 06 January 2025. In case we do not receive any comments or comments received are editorial in nature then the document may be sent for printing with approval of the chairperson.  **The committee may note and decide.** |
|  | **IS 6016 : 2009 / ISO 3253 : 1998**  *Gas Welding Equipment - Hose Connections for Equipment for Welding, Cutting and Allied Processes* | The committee in the meeting held on 19th February 2016 at Chennai decided to withdraw the standard as ISO 3253:1998 is replaced by ISO/TR 28821:2012, which is a Technical Report. The committee was requested to reconsider the withdrawal of the standard as it is an important standard and it is not being replaced by a new standard. The committee noted the information and after deliberation decided to retain the standard. The committee also decided to take up the standard for revision.  The committee after deliberation constituted the following panel to review the existing standard along with ISO/TR 28821:2012 and give their recommendation whether ISO/TR 28821:2012 can be adopted and whether the same covers all the requirements of the existing standard. If not, the justification for adoption of ISO standard may be provided. Also, the changes to be made in the existing Indian standard w.r.t ISO standard may be suggested. They were requested to give their recommendation to BIS secretariat within 3 months.  **Panel 1**   1. Mr. P Ravi Kumar – ESAB – Convenor 2. Mr. A K Gupta – Jai Gopal Engg works – Member   Since, the recommendations were not received the committee after deliberation in 19th Meeting reconstituted the panel as follows:  **Panel 1**   1. Mr. M Krishnamoorthy– IGCAR – Convenor 2. Mr. A K Gupta – Jai Gopal Engg works – Member   The panel was requested to give their recommendations within two months to BIS. If recommended for adoption of ISO/TR 28821:2012, the same shall be sent for wide circulation for one month.  Shri M Krishnamoorthy during the 20th meeting requested the committee for some more time to complete the review of the standard. The committee noted the information at Sl. No.1 of Item 2.1 and after deliberation requested **Shri M Krishnamoorthy** to submit his recommendations latest by 30th November 2021.  Shri M Krishnamoorthy during the 21st meeting requested the committee for some more time to complete the review of the standard. The committee noted the information at Sl. No.1 of item 3.1 and after deliberation requested **Shri M Krishnamoorthy** to submit his recommendations latest by 31st August 2022.  **22nd Meeting**  The committee in its 22nd meeting after deliberation requested **Shri M. Krishnamoorthy** to submit his recommendations latest by 31st July 2023.  **23rd Meeting**  The committee in its 23rd meeting after deliberation and discussion requested **Shri P. Ravi Kumar, ESAB** to submit his recommendations latest by **31st January 2024.**  **24th Meeting**  The recommendations are still awaited.  Shri Krishnamoorthy informed the committee that he has gone through ISO 3253, ISO/TR 28821 and IS 6016 and there is not much difference between IS 6016 and ISO 3253. ISO/TR 28821 only has additional information, so he suggested to revise IS 6016 by including the technical report ISO/TR 28821.  The committee noted the information and member secretary requested Shri Krishnamoorthy to send his detailed recommendations via mail. In reply Shri Krishnamoorthy mentioned that he will send the recommendations in detail along with the draft document before 30th April 2024.  **25th Meeting**  The recommendations from Shri M. Krishnamoorthy are still awaited.  The chairperson shared the e-mail message from Krishnamoorthy which stated that IS 6016 : 2009 may be revised by adopting ISO 3253:1998 with additional technical report of ISO/TR28821 after approval of the committee.  The committee after deliberation decided to revise IS 6016 : 2009 by adopting ISO 3523 and ISO/TR 28821 as a new standard under dual numbering.  The committee also decided to wide circulate the document for 60 days.  **26th Meeting**  The document is yet to be wide circulated.  The committee after deliberation decided to adopt only ISO/TR 28821 : 2012 under dual numbering, since ISO 3253 : 1998 has been replaced by ISO/TR 28821 : 2012. The committee decided to wide circulate the national foreword for 60 days.  The committee also decided that if no comments received or comments received are editorial in nature, then the document may be sent for printing with approval of the chairperson. | The document is to be wide circulated.  **The committee may note.** |
|  | **IS 1395 : 1982**  *Low and medium alloy steel covered electrodes for manual metal arc welding* | The committee noted the information that no comments have been received and after deliberation decided to adopt ISO 18275:2011 ‘Welding consumables -- Covered electrodes for manual metal arc welding of high-strength steels -- Classification’. The committee requested member secretary to send the document for wide circulation.  It was informed that ISO 18275:2011 has since been revised as ISO 18275:2018.  The committee after deliberation constituted the following panel to review the existing standard along with ISO 18275 : 2018 and give their recommendations whether ISO 18275 : 2018 can be adopted and whether the same covers all the requirements of the existing standard. If not, the justification for adoption of ISO standard may be provided. Also, the changes to be made in the existing Indian standard viz a viz ISO standard may be suggested. They were requested to give their recommendation to BIS secretariat within 3 months.  **Panel 2**   1. Mr Vinay Tripathi – GEE LTD– Convenor 2. Mr P Ravi Kumar – ESAB- Member 3. Mr Haridas Mondal – Ador welding- Member 4. Mr L Praveen Kumar – WTC, BHEL – member   Comments from panel awaited. Reminder was sent on 6/11/2019 and 20/2/2020.  The committee in its 19th meeting after deliberation mentioned that the committee can function and deliver only if the members take active interest in the work of the committee. The committee members stated that at present the standards formulated by this committee are not being used and in most of the government tenders reference is made to AWS specification. The members insisted that BIS should write to government departments to refer Indian standard in their tenders so that the use of Indian standard is increased. Also, major users such as BHEL, EIL etc. also should ensure to mention Indian standard in their tender document.  The committee had requested panel 2 to complete the work allotted to them in two months’ time.  If recommended for adoption of ISO standard, the same shall be sent for wide circulation for one month.  During the 20th meeting Shri T. J. Prasadarao, D & H Secheron informed the committee that the review of the standard was not completed yet and requested the committee some more time to complete the review of the standard. The committee after deliberation requested **D & H Secheron** to submit their recommendations latest by 30th November 2021.  During the 21st meeting Shri Zakir Hussain, D & H Secheron informed the committee that the review of the standard was not completed yet and requested the committee some more time to complete the review of the standard. The committee after deliberation requested **D & H Secheron** to submit their recommendations before **31st August 2022.**  Meanwhile member secretary has reviewed IS 1395 w.r.t. ISO 18275 : 2018 and observed that IS 1395 may be revised by adopting ISO 18275 : 2018 as it contains all the relevant grades mentioned in IS 1395.  The committee in its 22nd meeting after deliberation decided to revise IS 1395 by adopting ISO 18275 : 2018 as 18275 : 2018 contains all the relevant grades of low alloy steel covered electrodes for manual metal arc welding as mentioned in IS 1395 and send the document for Wide Circulation for the period of 1 month. Also, Member secretary informed the committee that ISO 3580 : 2017 contains all the relevant grades of medium alloy steel covered electrodes for manual metal arc welding. The committee after deliberation decided to also adopt ISO 3580 : 2017 as a new standard and send the document for Wide Circulation for the period of 1 month.  The document **MTD/11/23173** was wide circulated on 22-11-2023 for the period of 30 days.  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  **24th Meeting**  The draft document still needs to be finalized.  The committee noted the information.  **25th Meeting**  Comments received on IS 1395 were discussed in the last committee meeting and the committee decided as follows:    The document is under process for finalizing and is to be send for printing.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The document is yet to be printed.  The committee noted the information. | Since, it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  **The committee may decide.** |
|  | **IS 5206 : 1983**  *Covered electrodes for manual metal arc welding of stainless steel and other similar high alloy steels* | The committee in its 18th meeting decided to split the existing standard into two parts by adopting following ISO standards:  1. ISO 3580:2010 ‘Welding consumables -- Covered electrodes for manual metal arc welding of creep-resisting steels – Classification’  2. ISO 3581:2016 ‘Welding consumables -- Covered electrodes for manual metal arc welding of stainless and heat-resisting steels – Classification’  The committee in 19th meeting after deliberation constituted the following panel to review the existing standard along with ISO 3580 and ISO 3581 and give their recommendation whether ISO can be adopted and whether the same covers all the requirements of the existing standard. If not, the justification for adoption of ISO standard may be provided. Also, the changes to be made in the existing Indian standard viz ISO standard may be suggested. They were requested to give their recommendation to BIS secretariat within 3 months.  **Panel 2**   1. Mr. Vinay Tripathi - GEE LTD – Convenor 2. Mr. P Ravi Kumar – ESAB- Member 3. Mr. Haridas Mondal – Ador welding- Member 4. Mr. L Praveen Kumar – WTC, BHEL – member   As no comments were received from the panel, the committee requested panel 2 to complete the work allotted to them in two months time.  During the 20th meeting Shri T. J. Prasadarao, D & H Secheron informed the committee that the review of the standard was not completed yet and requested the committee some more time to complete the review of the standard. The committee after deliberation requested **D & H Secheron** to submit their recommendations latest by 30th November 2021.  During the 21st meeting Shri Zakir Hussain, D & H Secheron informed the committee that the review of the standard was not completed yet and requested the committee to give them some more time to complete the review of the standard. The committee after deliberation requested **D & H Secheron** to submit their recommendations before **30th September 2022.**  Meanwhile member secretary reviewed IS 5206 w.r.t. ISO 3581: 2016 and observed that IS 5206 may be revised by adopting ISO 3581 : 2016 as it contains all the relevant grades mentioned in IS 5206.  The committee in its 22nd meeting after deliberation decided to revise IS 5206 by adopting ISO 3581 : 2016 as it contains all the relevant grades mentioned in IS 5206 along with other grades and send the document for wide circulation for the period of 1 month.  ISO 3581 : 2016 has been revised by ISO 3581 : 2023.  The committee in its 23rd meeting after deliberation decided to send the draft document adopting ISO 3581 : 2023 for wide circulation for the period of 30 days.  **24th Meeting**  The document **MTD/11/24770** was wide circulated on 06-02-2024 for the period of 30 days.  The committee noted the information.  **25th Meeting**  The document **MTD/11/24770** was wide circulated for 30 days and comments received during the wide circulation period have been placed below:    The committee after deliberation on the comments and mentioned that the standard IS 5206 is being revised by adopting ISO 3581 : 2023 and requested Shri Lakavath Praveen Kumar to give comments as per ISO 3581 : 2023, if any.  **26th Meeting**  The document is yet to be printed.  The committee after deliberation allocated the standard to **GEE Ltd.** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested Shri Vinay Tripathi to submit the draft by 30 November 2024. | The proposal received from GEE Ltd is placed below and the draft is awaited:    **The committee may deliberate and decide.** |
|  | **ISO 24598 : 2019**  *Welding consumables — Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of creep-resisting steels — Classification* | The committee in its 22nd sectional committee meeting decided to adopt ISO 24598:2019 as a new standard and send the document for wide circulation for the period of 30 days.  The document **MTD/11/24324** was wide circulated on 05-12-2023 for the period of 30 days.  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  **24th Meeting**  The draft documents still needs to be finalized.  The committee noted the information.  **25th Meeting**  The document is being finalized and is under process for sending the document to publication.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The standard is yet to be printed.  The committee after deliberation allocated the standard to **GEE Limited** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested GEE Limited to submit the draft by 30 November 2024. | The proposal received from GEE Ltd is placed below and the draft is awaited:    **The committee may deliberate and decide.** |
|  | **ISO 26304 : 2017**  *Welding consumables — Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of high strength steels — Classification* | The committee in its 22nd sectional committee meeting decided to adopt ISO 26304:2017 as a new standard and send the document for wide circulation for the period of 30 days.  The document **MTD/11/24326** was wide circulated on 06-12-2023 for the period of 30 days.  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  **24th Meeting**  The draft documents still needs to be finalized.  The committee noted the information.  **25th Meeting**  The document is being finalized and is under process for sending the document to publication.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The standard is yet to be printed.  The committee after deliberation allocated the standard to **GEE Limited** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested GEE Limited to submit the draft by 30 November 2024. | The proposal received from GEE Ltd is placed below and the draft is awaited:    **The committee may deliberate and decide.** |
|  | **ISO 3580 : 2017**  *Welding consumables - Covered electrodes for manual metal arc welding of creep-resisting steels - Classification* | The committee in its 22nd sectional committee meeting decided to adopt ISO 3580 : 2017 as a new standard and send the document for wide circulation for the period of 30 days.  The document **MTD/11/24283** was wide circulated on 06-12-2023 for the period of 30 days.  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  **24th Meeting**  The draft documents still needs to be finalized.  The committee noted the information.  **25th Meeting**  The document is being finalized and is under process for sending the document to publication.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The standard is yet to be printed.  The committee after deliberation allocated the standard to **GEE Limited** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested GEE Limited to submit the draft by 30 November 2024. | The proposal received from GEE Ltd is placed below and the draft is awaited:    **The committee may deliberate and decide.** |
|  | **IS 5897 : 1985**  *Aluminium and aluminium alloy welding rods and wires and magnesium alloy welding rods* | The committee in its 18th meeting after deliberation decided to supersede the existing standard by a new standard. The committee also decided to split the new standard in four parts by adopting following ISO standards:  1.ISO 18273:2015 - ‘Welding consumables -- Wire electrodes, wires and rods for welding of aluminium and aluminium alloys -- Classification’  2.ISO 19288:2016 - ‘Welding consumables -- Solid wire electrodes, solid wires and rods for fusion welding of magnesium and magnesium alloys -- Classification’  The committee requested member secretary to send the documents for wide circulation after receiving necessary approval from MTDC.  On review of the documents it is observed that ISO standards are only for classification whereas in IS 5897, dimensions and tolerances, spool for wire, reeling conditions, condition of rods and wires is also specified.  The committee in its 19th meeting after deliberation observed that in ISO there are separate standards for dimensions such as ISO 544. Mr P Ravi Kumar of ESAB were given the responsibility to review IS 5897:1985 and ISO 18273, ISO 19288 and give his recommendation whether the ISO standards covers all the requirements of the existing standard and the other ISO standard which needs to be adopted to cover all the requirements mentioned in Indian standards. If not, the justification for adoption of ISO standard may be provided. Also, the changes to be made in the existing Indian standard viz ISO standard may be suggested. He was requested to give his recommendation to BIS secretariat within 3 months.  Since, no comments were received, the committee in 20th meeting after deliberation decided to request **Shri Ravi Kumar, ESAB** again to submit his recommendations latest by 30th November 2021.  Since, no comments were received, the committee in 21st after deliberation requested Member Secretary **Shri Vishal Kumar Rana** to review IS 5897 : 1985 with respect to ISO 18273 : 2015 and 19288:2016 and submit his recommendations along with the draft document before **31st August 2022** as it has been allocated as an ARP to him.  The member secretary, while reviewing IS 5897 w.r.t ISO 18273: 2015, observed that IS 5897 may be revised by adopting ISO 18273: 2015 as it contains all the relevant grades mentioned in IS 5897 after adopting the relevant test method standards referred in the ISO.  The committee in its 22nd meeting after deliberation decided to revise IS 5897 by adopting ISO 18273 : 2015 as it contains all the relevant grades mentioned in IS 5897 for aluminium and aluminium alloys, and also to adopt ISO 19288 : 2016 as a new standard as it contain all the consumables for welding of magnesium and magnesium alloys and send both the documents for Wide Circulation for the period of 1 month.  The document **MTD/11/23175** was wide circulated on 21-11-2023 for the period of 30 days.  The committee noted the information at Sl. No. 5 of item 3.1. and after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  **24th Meeting**  The draft document still needs to be finalized.  The committee noted the information.  **25th Meeting**  The document MTD/11/23175 is being finalized and under process for sending the document to publication.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The document is yet to be printed.  The committee after deliberation allocated the standard to **AWPM** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested AWPM to submit the draft by 30 January 2025. | A follow up email was sent on 27 November 2024 to Shri Pankaj Jain and Shri Somnath Chakravarty to give update on the status of the work allocated to **AWPM**. In reply Shri Pankaj Jain mentioned that he will send the draft by 31 January 2025.  **The committee may note.** |
|  | **IS 5898 : 1970**  *Copper and Copper Alloy Bare Solid Welding Rods and Electrodes* | The committee in the 18th meeting after deliberations had advised Dr. Shaju K. Albert of M/s Indira Gandhi Center for Atomic Research to review the standard by considering the ISO Standard: ISO 24373 on the subject and to give his recommendation for further deliberations on the same in the next meeting of the Committee.  Dr. Shaju Albert requested the committee to give more time to review the standard and informed the committee that he would submit his recommendations by 25th December 2016.  The committee in 19th meeting after deliberation gave Mr P Ravi kumar of ESAB the responsibility to review the existing standard along with the mentioned ISO standards ISO 24373 and give their recommendation whether the ISO standard can be adopted in identical. They were also requested to give recommendation whether the ISO standard covers all the requirements of the existing standard and If not, the justification for adoption of ISO standard. Also, the changes to be made in the existing Indian Standard viz ISO standard may be suggested. They were requested to give their recommendation to BIS secretariat within 3 months. Mr Ravi Kumar informed that he would also seek help from Senor metals who are into nonferrous business for reviewing the standard.  Since, no comments were received, the committee in 20th meeting after deliberation decided to request **Shri Harish Khuranna** of Indian Institute of Welding to review the standard by considering the ISO 24373 on the subject and to give his recommendations for further deliberations on the same. Committee also requested Shri Harish Khuranna to contact manufacturers of copper rods and electrodes for the same and submit his recommendations latest by 30th November 2021.  The committee in 21st meeting after deliberation requested **Shri Harish Khuranna** of Indian Institute of Welding to review the standard by considering the ISO 24373 on the subject and to give his recommendations before **31st August 2022** by contacting manufacturers of copper rods and electrodes for the same.  Meanwhile member secretary reviewed IS 5898 w.r.t. ISO 24373 :2018 and observed that IS 5898 may be revised by adopting ISO 24373 : 2018 as it contains all the relevant grades mentioned in IS 5898.  The committee in its 22nd meeting after deliberation decided to revise IS 5898 by adopting ISO 24373 : 2018 as it contains all the relevant grades mentioned in IS 5898 and send the document for wide circulation for the period of 1 month.  The document **MTD/11/23177** was wide circulated on 21-11-2023 for the period of 30 days.  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  **24th Meeting**  The draft document still needs to be finalized.  The committee noted the information.  **25th Meeting**  The document is being finalized and under process for sending the document to publication.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The document is yet to be printed.  The committee after deliberation allocated the standard to **AWPM** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested AWPM to submit the draft by 31 January 2025. | A follow up email was sent on 27 November 2024 to Shri Pankaj Jain and Shri Somnath Chakravarty to give update on the status of the work allocated to **AWPM**. In reply Shri Pankaj Jain mentioned that he will send the draft by 31 January 2025.  **The committee may note.** |
|  | **IS 7303 : 1974**  *Covered electrodes for surfacing of metal by manual arc welding* | The committee in the 18th meeting after deliberations had advised Dr P. R. Venkateswaran of M/s Bharat Heavy Electricals Limited to review the standard by considering the AWS Standard: A-5.13 on the subject and to give his recommendation for further deliberations on the same in the next meeting of the Committee.  The committee noted the information that no comments have been received and after deliberation member secretary to write to them again, requesting them to submit their recommendation by 25th December 2016  The following recommendation has been received from Dr. P. R. Venkateswaran of BHEL.  *It is regretted that concerned expertise that was available with BHEL superannuated and hence suitable justification for the subject purpose is difficult to be obtained. Hence, it is recommended that alternate options may be explored for this purpose.*  Comments awaited. Reminder sent on 06/112019 and 20/2/2020.  The committee in 19th meeting after deliberation had requested Mr L Praveen Kumar from BHEL to review the existing standard along with relevant ISO standard and give recommendation whether the ISO standard can be adopted in identical. They were also requested to give recommendation whether the ISO standard covers all the requirements of the existing standard and, if not, the justification for adoption of ISO standard may be provided. Also, the changes to be made in the existing Indian standard for example, ISO standard may be suggested. He was requested to give recommendation to BIS secretariat within 3 months.  The committee noted the information at Sl. No.23 of item 2.1 and after deliberation decided to form Panel 10 consisting of following members:   1. Shri G Harikrishna, BHEL, convenor 2. Shri Praveen, BEML 3. Shri Rohit Raut, Ador Welding Ltd   The committee in 20th meeting requested the **panel** to review the standard by considering the corresponding ISO standard as well as AWS Standard: A-5.13 on the subject. The committee advised the panel to submit its recommendations latest by 30th November 2021.  The committee in its 21st meeting after deliberation requested **Panel 10** consisting of following members:  1. Shri G Harikrishna, BHEL  2. Shri Praveen, BEML, convenor  3. Shri Rohit Raut, Ador Welding Ltd  To review the standard by considering the corresponding ISO standard as well as AWS Standard: A-5.13 on the subject. The committee advised the panel to submit the recommendations before **31st August 2022.**  The committee after deliberation requested Shri Praveen, BEML to submit the recommendations latest by 15th July 2023.  The recommendations are still awaited.  The committee in its 23rd meeting after deliberation and discussion decided to allocate the review to Shri Pankaj Jain and requested him to provide his recommendations along with a working draft before 31st January 2024.  **24th Meeting**  The recommendations are still awaited.  Shri Somnath Chakravarty, M/s Association of Welding Products Manufacturers informed the committee that, he will submit the recommendations by 31st March 2024.  **25th Meeting**  The recommendations from Shri Somnath Chakravarty are still awaited.  Recommendations received from Shri Somnath Chakravarty via email dated 01 April 2024 and the committee after deliberation advised member secretary to prepare draft after incorporating the suggestions.  **26th Meeting**  The draft still needs to be prepared.  The committee after deliberation allocated the standard to **AWPM** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested AWPM to submit the draft by 30 November 2024. | A follow up email was sent on 27 November 2024 to Shri Pankaj Jain and Shri Somnath Chakravarty to give update on the status of the work allocated to **AWPM**. In reply Shri Pankaj Jain mentioned that he will send the draft by 10 December 2024. The draft received from Shri Pankaj Jain on 12 December 2024 has been placed below:    **The committee may note.** |
|  | **IS 8666 : 1977**  *Specification for copper and copper alloy covered electrodes for manual metal arc welding* | While member secretary reviewed IS 8666 w.r.t. ISO 17777 : 2016 and observed that IS 8666 may be revised by adopting ISO 17777 : 2016 as it contains all the relevant grades mentioned in IS 8666.  The committee in its 22nd meeting after deliberation decided to revise IS 8666 by adopting ISO 17777:2016 as it contains all the relevant grades mentioned in IS 8666 and send the document for wide circulation for the period of 1 month.  The document **MTD/11/23180** was wide circulated on 21-11-2023 for the period of 30 days.  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  **24th Meeting**  The draft documents still needs to be finalized.  The committee noted the information.  **25th Meeting**  The document is being finalized and under process for sending the document to publication.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The standard is yet to be printed.  The committee after deliberation allocated the standard to **AWPM** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested AWPM to submit the draft by 31 December 2024. | A follow up email was sent on 27 November 2024 to Shri Pankaj Jain and Shri Somnath Chakravarty to give update on the status of the work allocated to **AWPM**. In reply Shri Pankaj Jain mentioned that he will send the draft by 31 January 2025.  **The committee may note.** |
|  | **ISO 14171 : 2016**  *Welding consumables — Solid wire electrodes, tubular cored electrodes and electrode/flux combinations for submerged arc welding of non alloy and fine grain steels — Classification* | The committee in its 22nd sectional committee meeting decided to adopt ISO 14171 : 2016 as a new standard and send the document for wide circulation for the period of 30 days.  The document **MTD/11/24330** was wide circulated on 06-12-2023 for the period of 30 days.  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  **24th Meeting**  The draft documents still needs to be finalized.  The committee noted the information.  **25th Meeting**  The document is being finalized and under process for sending the document to publication.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The standard is yet to be printed.  The committee after deliberation allocated the standard to **AWPM** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested AWPM to submit the draft by 30 November 2024. | A follow up email was sent on 27 November 2024 to Shri Pankaj Jain and Shri Somnath Chakravarty to give update on the status of the work allocated to **AWPM**. In reply Shri Pankaj Jain mentioned that he will send the draft by 31 December 2024.  **The committee may note.** |
|  | **ISO 18276 : 2017**  *Welding consumables — Tubular cored electrodes for gas-shielded and non-gas-shielded metal arc welding of high strength steels — Classification* | The committee in its 22nd sectional committee meeting decided to adopt ISO 18276 : 2017 as a new standard and send the document for wide circulation for the period of 30 days.  The document **MTD/11/24322** was wide circulated on 05-12-2023 for the period of 30 days.  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  **24th Meeting**  The draft documents still needs to be finalized.  The committee noted the information.  **25th Meeting**  The document is being finalized and is under process for sending the document to publication.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The standard is yet to be printed.  The committee after deliberation allocated the standard to **AWPM** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested AWPM to submit the draft by 30 November 2024. | A follow up email was sent on 27 November 2024 to Shri Pankaj Jain and Shri Somnath Chakravarty to give update on the status of the work allocated to **AWPM**. In reply Shri Pankaj Jain mentioned that he will send the draft by 31 December 2024.  **The committee may note.** |
|  | **ISO 19288 : 2016**  *Welding consumables - Solid wire electrodes, solid wires and rods for fusion welding of magnesium and magnesium alloys - Classification* | The committee in its 22nd sectional committee meeting decided to adopt **ISO 19288 : 2016** as a new standard and send the document for wide circulation for the period of 30 days.  The document **MTD/11/24285** was wide circulated on 06-12-2023 for the period of 30 days.  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  **24th Meeting**  The draft documents still needs to be finalized.  The committee noted the information.  **25th Meeting**  The document is being finalized and is under process for sending the document to publication.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The standard is yet to be printed.  The committee after deliberation allocated the standard to **AWPM** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested AWPM to submit the draft by 30 November 2024. | A follow up email was sent on 27 November 2024 to Shri Pankaj Jain and Shri Somnath Chakravarty to give update on the status of the work allocated to **AWPM**. In reply Shri Pankaj Jain mentioned that he will send the draft by 31 January 2025.  **The committee may note.** |
|  | **IS 1278 : 1972**  *Filler Rods and Wires for Gas Welding* | The committee in the 18th meeting held on 19th February 2016 at Chennai after deliberations had advised Shri D. S. Honavar of M/s Honavar Electrodes Limited to review the standard and to give his recommendation for further deliberations on the same in the next meeting of the Committee.  Since no comments were received, the committee in 19th meeting after deliberation decided to refer the matter to ESAB and requested them to submit their recommendation by 25th December 2016  No comments were received and the committee after deliberation gave Mr P Ravi Kumar of ESAB the responsibility to review IS 1278 : 1972 and give recommendation whether the standard needs a revision along with draft of the revised standard. He was requested to give his recommendation to BIS secretariat within 3 months.  The committee again requested Mr. P Ravi Kumar of ESAB to complete the work allotted to him in two months’ time.  The committee in 20th meeting after deliberation decided to give **Shri T. J. Prasadarao** the responsibility to review IS 1278 : 1972 and give recommendation whether the standard needs a revision along with draft of the revised standard. The committee requested him to submit his recommendations latest by 30th November 2021.  The committee in 21st meeting after deliberation requested **Shri Zakir Hussain** to review IS 1278 : 1972 and give recommendation whether the standard needs a revision along with draft of the revised standard. The committee requested him to submit his recommendations before **31st August 2022.**  The document was not archived since there were two decisions taken by the committee one to archive and other to revise.  The committee in its 23rd meeting after deliberation and discussion decided to revise the standard and allocated the review to Shri Pankaj Jain and requested him to provide his recommendations along with a working draft before 31st January 2024.  **24th Meeting**  The recommendations are still awaited.  The committee noted the information and requested Shri Pankaj Jain, M/s Association of Welding Products Manufacturers to give update on the same.  Shri Pankaj Jain informed the committee that, he is still working on this and will submit the compiled recommendations by 30th April 2024.  **25th Meeting**  The recommendations from Shri Pankaj Jain are still awaited.  The committee assigned the standard to Shri Pankaj Jain for review and requested him to submit the recommendations before 31st July 2024.  **26th Meeting**  The recommendations are still awaited.  The committee after deliberation requested **Shri Pankaj Jain** to review the standard and submit the recommendations by 31 January 2025. | A follow up email was sent on 05 December 2024 to Shri Pankaj Jain to inform the status of the work allocated and Shri Pankaj Jain replied that “we have already initiated the work on revising this standard to meet the new generation requirements and would definitely submit the recommendations by 31st January 2025.”  **The committee may note.** |
|  | **IS 5511 : 1991**  *Covered electrodes for manual metal arc welding of cast iron* | The committee in the 18th meeting after deliberations had advised Dr. Shaju K. Albert of M/s Indira Gandhi Center for Atomic Research to review the standard by considering the ISO Standard: ISO 1071 on the subject and to give his recommendation for further deliberations on the same in the next meeting of the Committee.  Dr. Shaju Albert requested the committee to give more time to review the standard and informed the committee that he would submit his recommendations by 25th December 2016  The following recommendation has been received from Dr P. R. Venkateswaran of BHEL.  *It is recommended that the existing standard be considered for revision by constitution of a suitable committee by MTD 11*.  The committee after deliberation gave Mr P Ravi Kumar of ESAB the responsibility to review the existing standard along with the mentioned ISO standards and give their recommendation whether the ISO standard can be adopted in identical. They were also requested to give recommendation whether the ISO standard covers all the requirements of the existing standard and If not, the justification for adoption of ISO standard may be provided. Also, the changes to be made in the existing Indian standard viz a viz ISO standard may be suggested. They were requested to give their recommendation to BIS secretariat within 3 months. Mr Ravi Kumar informed that he would also seek help from EWAC Alloys limited, their sister concern who are into the business of welding of cast iron business for reviewing the standard. The same was agreed by the committee.  As no comments were received, the committee in 19th meeting requested Mr P Ravi Kumar of ESAB to complete the work allotted to them in two months’ time.  If recommended for adoption of ISO standard, the same shall be sent for wide circulation for one month  The committee in 20th meeting after deliberation decided to request **Ador Welding** to review the standard by considering ISO 1071 on the subject and give their recommendations latest by 30th November 2021.  The committee in 21st meeting after deliberation requested **Ador Welding** to review the standard by considering ISO 1071 on the subject and give their comments before **31st August 2022.**  Meanwhile member secretary reviewed IS 5511 w.r.t. ISO 1071: 2015 and observed that IS 5511 may be revised by adopting ISO 1071 : 2015 as it contains all the relevant grades mentioned in IS 5511.  The committee noted the information at Sl. No. 9 of item 3.1 and after deliberation decided to revise IS 5511 by adopting ISO 1071 : 2015 as it contains all the relevant grades mentioned in IS 5511 and send the document for wide circulation for the period of 1 month.  The document **MTD/11/23176** was wide circulated on 21-11-2023 for the period of 30 days.  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  **24th Meeting**  The draft document still needs to be finalized.  The committee noted the information.  **25th Meeting**  The document MTD/11/23176 is being finalized and under process for sending the document to publication.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The document is yet to be printed.  The committee after deliberation allocated the standard to **Ador Welding** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested Ador Welding to submit the draft by 30 November 2024. | A follow up email was sent on 27 November 2024 to Shri Ninad Thigale, Shri Hariganesh Ramamurthy and Shri Rohit Raut to give update on the status of the work allocated to **M/s. Ador Welding Limited**. In reply Shri Hariganesh Ramamurthy mentioned that he will send the draft by 10 December 2024.  **The committee may note.** |
|  | **IS 5857 : 1970**  *Nickel and nickel alloy bare solid welding rods and electrodes* | The committee in the 18th meeting after deliberations had advised Dr. Shaju K. Albert of M/s Indira Gandhi Center for Atomic Research to review the standard by considering the ISO Standard: ISO 18274 on the subject and to give his recommendation for further deliberations on the same in the next meeting of the Committee.  Dr. Shaju Albert requested the committee to give more time to review the standard and informed the committee that he would submit his recommendations by 25th December 2016.  The committee after deliberation gave Mr Haridas Mondal of Ador welding the responsibility to review the existing standard along with the mentioned ISO standards and give their recommendation whether the ISO standard can be adopted in identical. They were also requested to give recommendation whether the ISO standard covers all the requirements of the existing standard and. If not, the justification for adoption of ISO standard may be provided. Also, the changes to be made in the existing Indian Standard viz a viz ISO standard may be suggested.  Comments awaited. Reminder sent on 6/112019 and 20/2/2020.  The committee had requested Mr. Haridas Mondal to complete the work allotted to him in two months time.  If recommended for adoption of ISO standard, the same shall be sent for wide circulation for one month.  The committee in 20th meeting after detailed deliberation conceded to the request of **M/s Ador welding** limited to give some more time to review the standard. The committee advised **M/s Ador welding** to consider ISO 18274 while reviewing the standard and submit their recommendation latest by 30th November 2021.  Since, no comments were received, the committee in its 21st meeting after detailed deliberation decided to send the draft received from BIS officer to **Shri Vinay Tripathi GEE Ltd**. For review and updating the designation of grades and submit the updated draft standard before **30th September 2022.**  Meanwhile member secretary reviewed IS 5857 w.r.t. ISO 18274 : 2023 and observed that IS 5857 may be revised by adopting ISO 18274 : 2023 as it contains all the relevant grades mentioned in IS 5857.  The committee in its 22nd meeting after deliberation decided to revise IS 5857 by adopting ISO 18274 : 2023 as it contains all the relevant grades mentioned in IS 5857 and send the document for wide circulation for the period of 1 month.  The document **MTD/11/23178** was wide circulated on 21-11-2023 for the period of 30 days.  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  **24th Meeting**  The draft document still needs to be finalized.  The committee noted the information.  **25th Meeting**  The document is being finalized and under process for sending the document to publication.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The document is yet to be printed.  The committee after deliberation allocated the standard to **Ador Welding** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested Ador Welding to submit the draft by 31 January 2025. | A follow up email was sent on 27 November 2024 to Shri Ninad Thigale, Shri Hariganesh Ramamurthy and Shri Rohit Raut to give update on the status of the work allocated to **M/s. Ador Welding Limited**. In reply Shri Hariganesh Ramamurthy mentioned that he will send the draft by 10 December 2024.  **The committee may note.** |
|  | **IS 8736 : 1977**  *Nickel and nickel alloy covered electrodes for metal arc welding* | The committee in the 18th meeting after deliberations had advised Dr. Shaju K. Albert of M/s Indira Gandhi Center for Atomic Research to review the standard by considering the ISO Standard: ISO 14172 on the subject and to give his recommendation for further deliberations on the same in the next meeting of the Committee.  Dr. Shaju Albert requested the committee to give more time to review the standard and informed the committee that he would submit his recommendations by 25th December 2016.  The committee in 19th meeting after deliberation gave Mr. Haridas Mondal of Ador welding the responsibility to review the existing standard along with the mentioned ISO standards and give their recommendation whether the ISO standard can be adopted in identical. They were also requested to give recommendation whether the ISO standard covers all the requirements of the existing standard and. If not, the justification for adoption of ISO standard may be provided. Also, the changes to be made in the existing Indian standard viz a viz ISO standard may be suggested.  Comments awaited. Reminder sent on 6/112019 and 20/2/2020.  The committee requested Mr. Haridas Mondal to complete the work allotted to him in two months’ time.  If recommended for adoption of ISO standard, the same shall be sent for wide circulation for one month.  The committee in the 20th meeting after detailed deliberation conceded to the request of **M/s Ador welding** limited to give some more time to review the standard. The committee advised M/s Ador welding to consider ISO 14172 while reviewing the standard and submit their recommendation latest by 30th November 2021.  Since, no comments were received, the committee in its 21st meeting after detailed deliberation requested **M/s Ador welding** to consider ISO 14172 while reviewing the standard and submit their recommendation before **31st August 2022.**  Meanwhile member secretary reviewed IS 8736 w.r.t. ISO 14172 :2015 and observed that IS 8736 may be revised by adopting ISO 14172 : 2015 as it contains all the relevant grades mentioned in IS 8736.  The committee inits 22nd meeting decided to revise IS 8736 by adopting ISO 14172 : 2015 as it contains all the relevant grades mentioned in IS 8736 and send the document for wide circulation for the period of 1 month.  ISO 14172 :2015 has been revised by ISO 14172 : 2023.  The committee in its 23rd meeting after deliberation decided to send the draft document adopting 14172 : 2023 for wide circulation for the period of 30 days.  **24th Meeting**  The draft document still needs to be wide circulated.  The committee noted the information.  **25th Meeting**  The document still needs to be wide circulated.  The committee after deliberation and discussion decided to take the revision of IS 8736 : 1977 on priority since Nickel and Nickel-alloy electrodes are widely used in the industry as well as from the import point of view.  The committee also decided to wide circulate the draft for 60 days.  **26th Meeting**  The document is yet to be wide circulated.  The committee after deliberation allocated the standard to **Ador Welding** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested Ador Welding to submit the draft by 31 January 2025. | A follow up email was sent on 27 November 2024 to Shri Ninad Thigale, Shri Hariganesh Ramamurthy and Shri Rohit Raut to give update on the status of the work allocated to **M/s. Ador Welding Limited**. In reply Shri Hariganesh Ramamurthy mentioned that he will send the draft by 10 December 2024.  **The committee may note.** |
|  | **ISO 17634 : 2015**  *Welding consumables — Tubular cored electrodes for gas shielded metal arc welding of creep-resisting steels — Classification* | The committee in its 22nd sectional committee meeting decided to adopt ISO 17634:2015 as a new standard and send the document for wide circulation for the period of 30 days.  The document **MTD/11/24321** was wide circulated on 05-12-2023 for the period of 30 days.  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  **24th Meeting**  The draft documents still needs to be finalized.  The committee noted the information.  **25th Meeting**  The document is being finalized and is under process for sending the document to publication.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The standard is yet to be printed.  The committee after deliberation allocated the standard to **Ador Welding** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested Ador Welding to submit the draft by 30 November 2024. | A follow up email was sent on 27 November 2024 to Shri Ninad Thigale, Shri Hariganesh Ramamurthy and Shri Rohit Raut to give update on the status of the work allocated to **M/s. Ador Welding Limited** and the draft received from Shri Hariganesh Ramamurthy is placed below:    **The committee may note.** |
|  | **ISO 14174 : 2019**  *Welding consumables — Fluxes for submerged arc welding and electroslag welding — Classification* | The committee in its 23rd sectional committee meeting decided to adopt ISO 14174 : 2019 as a new standard and send the document for wide circulation for the period of 30 days.  **24th Meeting**  The draft document still needs to be wide circulated.  The committee noted the information.  **25th Meeting**  The document still needs to be wide circulated.  The committee after deliberation decided to wide circulate the document for 60 days.  **26th Meeting**  The document is yet to be wide circulated.  The committee after deliberation allocated the standard to **Ador Welding** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested Ador Welding to submit the draft by 30 November 2024. | A follow up email was sent on 27 November 2024 to Shri Ninad Thigale, Shri Hariganesh Ramamurthy and Shri Rohit Raut to give update on the status of the work allocated to **M/s. Ador Welding Limited**. In reply Shri Hariganesh Ramamurthy mentioned that he will send the draft by 10 December 2024.  **The committee may note.** |
|  | **IS 11368 (Part 1) : 1985**  *Comparison of Indian and overseas classification and coding of welding filler materials Part 1 Flux coated mild steel and medium tensile steel electrodes for manual metal arc welding* | The committee in the 19th meeting after deliberations had advised Dr P. R. Venkateswaran of M/s Bharat Heavy Electricals Limited to review the standard and to give his recommendation for further deliberations on the same in the next meeting of the Committee.  The Committee further advised him the feasibility of revising the standard as a “Project” that can be taken up by M/s BHEL (WRI) and advised him to submit the project report prepared by M/s BHEL (WRI) on the same for further deliberations in the next meeting of the Committee. The Committee recommended BIS to bear the cost of the above project.  The committee noted that no comments have been received and after deliberation commented that “since no progress has been made in this regard BHEL is requested to critically review the utility of this standard and consider it for revision or withdrawal in light of ease of access of information available in various fora”.  The committee after deliberation constituted the following panel to review the existing standard and give their recommendation for revision of the standard along with the revised draft to BIS secretariat within 3 months  **Panel 5**   1. Mr P Ravi Kumar – ESAB– Convenor 2. Mr Vinay Tripathi - GEE LTD – Member   As no comments were received, the committee in its 20th meeting after deliberation decided to give the work of reviewing the standard to **Shri T. Prasada Rao, D&H Secheron Electrodes Pvt Ltd** and submit his recommendations latest by 30th November 2021.  The committee in its 21st meeting after deliberation requested Shri **T. Prasada Rao, D&H Secheron Electrodes Pvt Ltd** to review IS 11368 (Part1):1985 and submit his recommendations latest by **31st August 2022.**  The committee after deliberation decided that IS 11369 Part 1 and ISO 544 : 2017 covers different subject and decided to review IS 11368 (Pt 1) : 1985 again by T.J . Prasada Rao and to adopt ISO 544 as a new subject separately and send the document for Wide Circulation for the period of 1 month.  The recommendations are still awaited for IS 11368 (Pt 1) : 1985.  The committee in its 23rd meeting after deliberation again requested Shri **T. J. Prasada Rao** to review IS 11368 (Part1) : 1985 and submit his recommendations latest by **31st January 2024.**  **24th Meeting**  The recommendations are still awaited.  The committee noted the information and requested Shri T. J. Prasada Rao, M/s D & H Secheron Electrodes Private Limited to give update on the same.  Shri T. J. Prasada Rao informed the committee that, he is working on this and will submit the final recommendation by next fortnight.  **25th Meeting**  The recommendations from Shri T. J. Prasada Rao are still awaited.  The committee again referred the standard to Shri T. J. Prasada Rao for his recommendations before 31st July 2024.  **26th Meeting**  The recommendations are still awaited.  The committee after deliberation allocated the standard to **D&H Secheron** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested D&H Secheron to submit the draft by 30 November 2024. | A follow up email was sent on 27 November 2024 to Shri T. J. P. Rao and Shri Zakir Hussain to give update on the status of the work allocated to **M/s. D & H Secheron Electrodes Private Limited** and the draft received from Shri T. J. P. Rao is placed below:    **The committee may deliberate and decide.** |
|  | **Revision of IS 814 : 2004**  *Covered electrodes for manual metal arc welding of carbon and carbon manganese steel — Specification (Sixth Revision)* | To seek feedback from manufacturers on adopting ISO 2560 as IS 814:2004. The committee requested member secretary to make a comparison between scopes of both the standards and send it to the stakeholders using the standard for their comments.  Mail comparing the scopes sent to the stakeholders. Reply awaited  The committee after deliberation constituted the following panel 8 to review IS 814 viz a viz ISO 2560 and give recommendation whether the ISO standard needs to be adopted and the changes in ISO standard viz a viz Indian standard  **Panel 8**   1. Mr Haridas Mondal – Ador welding-– Convenor 2. Mr P Ravi Kumar – ESAB- Member 3. Mr Vinay Tripathi - GEE LTD Member 4. Mr Rajeev Khanna- Asian Industires- Member 5. Association of welding products manufacturers   The panel was requested to give their recommendation in three months’ time to BIS.  Comments awaited. Reminder sent on 6/112019 and 20/2/2020.  The committee had requested Panel 8 to complete the work allotted to them in two months’ time.  The committee noted the information at Sl. No.24 of item 2.1. It was informed by the panel that it will not be possible to revise IS 814 by adopting ISO 2560 as the subject is not covered completely in the ISO standard. The committee accepted the recommendations of panel and decided not to revise the standard by adopting the ISO standard.  In view of the above the committee decided to dissolve panel 8 and to constitute a panel 11 consisting of following members:   1. Shri Haridas Mondal – Convenor 2. Shri P Ravi Kumar, ESAB 3. D&H Secheron Electrodes Pvt Ltd (To be represented by Shri T.J. Prasada Rao) 4. Shri Ravi Ranjan – M/s V J electrodes   The committee advised **the panel** to revise the standard in line with corresponding ISO standards and submit the draft revision of the standard latest by 15 December 2021.  Also comments from RDSO were received on IS 814 which were circulated among committee members via email dated February 10, 2022.    The committee in its 21st meeting after deliberation the committee decided to reconstitute **panel 11** consisting of following members:  1. Shri P Ravi Kumar, ESAB  2. D&H Secheron Electrodes Pvt Ltd (To be represented by Shri T.J. Prasada Rao)  3. Dr Shaju Albert  4. Shri Vinay Tripathi- GEE Ltd.  5. RDSO, Lucknow  The committee advised the panel to revise the standard in line with corresponding ISO standards and submit the draft revision of the standard latest by **30th September 2022.**  Meanwhile member secretary reviewed IS 814 w.r.t. ISO 2560: 2020 and observed that IS 814 may be revised by adopting ISO 2560: 2020 as it contains all the relevant grades mentioned in IS 814.  The committee in its 22nd meeting after deliberation decided to revise is 814 by adopting iso 2560 : 2020 as it contains all the relevant grades mentioned in is 814 and send the document for wide circulation for the period of 1 month.  Head MTD had suggested to formulate Indigenous standard on the subject since, it is already under certification and a lot of licensee and industry are currently using this standard.  The committee in its 23rd meeting after deliberation and discussion decided to revise IS 814 as an indigenous standard and formed a panel with the following members and requested the panel to submit working draft:   1. **Shri Sundar Singh** – NPCIL 2. **Shri Lakavath Praveen Kumar** – BHEL 3. **Shri T. J. Prasada Rao** - D & H Secheron Electrodes Pvt. Ltd. 4. **Shri Hariganesh Ramamurthy** – Ador Welding Ltd. 5. **Shri Pankaj Jain** – AWPM   **24th Meeting**  The panel meeting still needs to be conducted.  Since, the panel meeting is yet to be conducted, therefore, member secretary proposed that, revision of IS 814 will be taken up after IS 6419, since revision of IS 6419 is being done on priority basis due to some implementation challenges involved.  **25th Meeting**  Amendment-3 to IS 814 is under Wide Circulation, members may send their comments till 4th July 2024.  During the meeting it was informed that an additional comment was received on IS 814 from Lincoln Electrical wherein they have requested to modify the packaging clause of IS 814 to increase the allowed packaging size upto 25 Kg.  This issue was deliberated in the meeting and after deliberation the committee agreed to increase the packaging size as discussed during the meeting. Further, the committee requested the member secretary to draft the amendment No. 4 incorporating this change and send it for wide circulation for period of one month.  Further, the committee decided that in case no comments are received on the wide circulated draft amendment No. 3 the committee requested member secretary to finalize the same send the document for printing.  In addition, the committee decided to take up IS 814 for revision incorporating all the amendments and review the chemical and mechanical properties requirement.  **26th Meeting**  The Amendment No. 3 to IS 814 : 2004 is under printing and will be published in next few days.  In 25th meeting of MTD 11, the committee decided to take the standard for revision, hence the committee may decide and allocate the standard for revision.  The committee noted the information. Also, after deliberation decided to allocate the standard for review to **D&H Secheron Ltd.** and requested them to provide the revised by 30 November 2024. | A follow up email was sent on 27 November 2024 to Shri T. J. P. Rao and Shri Zakir Hussain to give update on the status of the work allocated to **M/s. D & H Secheron Electrodes Private Limited** and the draft is awaited from M/s. D & H Secheron Electrodes Private Limited.  **The committee may deliberate and decide.** |
|  | **ISO 12153 : 2022**  *Welding consumables — Tubular-cored electrodes for gas-shielded and non-gas-shielded metal arc welding of nickel and nickel alloys — Classification* | The committee in its 22nd sectional committee meeting decided to adopt ISO 12153 : 2022 as a new standard and send the document for wide circulation for the period of 30 days.  The document **MTD/11/24329** was wide circulated on 06-12-2023 for the period of 30 days  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  **24th Meeting**  The draft documents still needs to be finalized.  The committee noted the information.  **25th Meeting**  The document is being finalized and under process for sending the document to publication.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The standard is yet to be printed.  The committee after deliberation allocated the standard to **Royal Arc Electrode** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested Royal Arc Electrode to submit the draft by 31 January 2025. | A follow up email was sent on 27 November 2024 to Shri Hardik Sanghvi and Shri Ramchandra A. Dewoolkar to give update on the status of the work allocated to **M/s. Royal Arc Electrodes Limited** and the draft is awaited.  **The committee may deliberate and decide.** |
|  | **ISO 17633 : 2017**  *Welding consumables — Tubular cored electrodes and rods for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels — Classification* | The committee in its 22nd sectional committee meeting decided to adopt ISO 17633 : 2017 as a new standard and send the document for wide circulation for the period of 30 days.  The document **MTD/11/24320** was wide circulated on 05-12-2023 for the period of 30 days.  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  **24th Meeting**  The draft documents still needs to be finalized.  The committee noted the information.  **25th Meeting**  The document is being finalized and is under process for sending the document to publication.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The standard is yet to be printed.  The committee after deliberation allocated the standard to **Royal Arc Electrode** to prepare draft, since it is a product standard and as per latest BIS guidelines product standards needs to be formulated/revised indigenously.  Also, the committee requested Royal Arc Electrode to submit the draft by 30 November 2024. | A follow up email was sent on 27 November 2024 to Shri Hardik Sanghvi and Shri Ramchandra A. Dewoolkar to give update on the status of the work allocated to **M/s. Royal Arc Electrodes Limited** and the draft received is placed below:    **The committee may deliberate and decide.** |
|  | **Review of IS 4353 : 1995**  *Submerged arc welding of mild steel and low alloy steels - Recommendations (First Revision)* | To request Cochin Shipyard to review IS 4353:1995. Dr Shaju Albert mentioned that he will follow up with cochin shipyard for review of said standard  Comments awaited. Reminder sent on 6/112019 and 20/2/2020.  The committee had requested Dr Shaju Albert to kindly follow up with cochin shipyard to complete the work allotted to them in two month time.  In 20th meeting Dr Shaju Albert, IGCAR, informed the committee that he could not contact Cochin Shipyard during the period and requested the committee to give some more. The committee requested Dr Shaju Albert to kindly complete the work allotted to him latest by 30th November 2021.  The committee in its 21st meeting after detailed deliberation requested Sh. Praveen of BEML to kindly review the standard and submit their recommendations before 31st August 2022.  The committee after deliberation requested Sh. Praveen to submit his recommendations latest by 30th June 2023.  The recommendations are still awaited.  The committee in its 23rd meeting after deliberation again requested Sh. Praveen to submit his recommendations latest by 31st January 2024.  **24th Meeting**  The recommendations are still awaited.  The committee noted the information and after deliberation allocated the standard to Shri Somnath Chakravarty, M/s AWPM, as Shri Praveen was absent from the meeting and requested Shri Somnath to give recommendation for revision of IS 4353 by 30th April 2024.  Chairperson, Shri Shaju Albert advised member secretary to write to Shri Praveen and then allocate the standard to M/s Ador Welding Limited and Shri Somnath.  **25th Meeting**  Draft from M/s Ador Welding is awaited.  The committee again referred IS 4353 to M/s Ador Welding for recommendations and requested Ador Welding to send the recommendations before 31st July 2024.  **26th Meeting**  The recommendations are still awaited.  The committee after deliberation requested **Shri Rohit Raut** to submit his recommendations whether the standard needs to be revised or not, by 31 October 2024.  Member secretary informed the committee that if no recommendations are received and no changes are required, then the standard may be reaffirmed for next 5 years. | The recommendations from Shri Rohit Raut is still awaited.  The committee may decide to reaffirm the standard for another 5 years.  **The committee may note and decide.** |
|  | **Review of IS 10801 : 1984**  *Recommended procedure for heat treatment of welded fabrication* | To request Dr. Shaju Albert to review IS 10801:1984 for possible ISO adoption  DR Shaju agreed that he will review and give his recommendation to BIS in three-month time.  Comments awaited. Reminder sent on 6/112019 and 20/2/2020.  The committee requested Dr Shaju Albert to complete the work allotted to him in two months’ time.  In 20th meeting Dr Shaju Albert informed the committee that he could not complete the work allotted to him due to paucity of time and requested the committee for some more time. The committee requested **Dr Shaju Albert** to review the standard for possible ISO adoption and give his recommendation latest by 30th November 2021.  Since, no comments were received, the committee in its 21st meeting after deliberation requested **Dr Shaju Albert** to review the standard for possible ISO adoption and give his recommendation latest by **31st August 2022.**  The committee after deliberation requested Dr Shaju Albert to submit the draft document latest by 31st July 2023.  The recommendations are still awaited.  The committee in its 23rd meeting after deliberation requested **Dr Shaju Albert** to give his recommendations before **31st January 2024.**  **24th Meeting**  The recommendations are still awaited.  The committee noted the information and requested Dr Shaju Albert to give update on the same.  Dr Shaju Albert informed the committee that he will submit the recommendations by the 31st March 2024.  **25th Meeting**  The recommendations are still awaited from Dr Shaju Albert. The committee after deliberation decided to reaffirm the standard for another 5 years and also decided to send the editable copy of the standard to Dr Shaju albert for his recommendations.  The committee also requested Dr Shaju to send the recommendations before 31st July 2024.  Dr Shaju Albert informed that this standard is on the procedure to be adopted on heat treatment of welded fabrications; not on the specification for choosing the temperature and time for different materials. Hence, it is recommended to retain the standard. However, some modification of the standards from its present form is required. He offered to undertake the revision.  **26th Meeting**  The recommendations are awaited from Dr Shaju Albert.  Member secretary informed the committee that Dr Shaju needs more time to submit the recommendations for the revision of the standard.  The committee after deliberation requested **Dr Shaju** to submit the recommendations by 30 November 2024. | The recommendations from Dr Shaju is still awaited.  **The committee may note.** |
|  | *Standard formulation on ‘Code of Practice for Training and Testing of Metal Arc Welders Part 3 Gas Tungsten Arc Welding’* | The committee in its 21st meeting after detailed deliberation decided to take it as new subject and assigned the task to formulate the draft document to Sh. M Krishanmoorthy of IGCAR on the subject mentioned.  The committee in its 22nd meeting after deliberation again requested Shri M Krishnamoorthy to submit his recommendations with a draft document latest by 31st July 2023.  The recommendations are still awaited.  The committee in its 23rd meeting again requested Shri M. Krishnamoorthy to submit his recommendations by 31st January 2024.  **24th Meeting**  The recommendations are still awaited. The committee noted the information and requested Shri M. Krishnamoorthy to give update on the same.  Shri M. Krishnamoorthy informed the committee that he will submit the recommendations by the end of April 2024. He also requested member secretary to send the international standards.  **25th Meeting**  The recommendations from Shri M. Krishnamoorthy are still awaited.  The committee after deliberation again requested Shri M. Krishnamoorthy to send the recommendations before 31st July 2024.  **26th Meeting**  The recommendations from Shri M. Krishnamoorthy are still awaited.  The committee after deliberation requested **Shri M. Krishnamoorthy** to submit the recommendations by 30 November 2024. | The recommendations from Shri M. Krishnamoorthy are still awaited.  **The committee may note.** |
|  | **Review of IS 5139 : 1995**  *Repair of cast iron castings by Oxy - Acetylene and manual metal arc welding - Recommendations (First Revision)* | To send IS 5139:1995 to MTD 6 and BEML for review.  The committee after deliberation gave Mr P Ravi Kumar of ESAB the responsibility to review the existing standard and suggest whether the revision for the same is required along with a draft of revised standard. They were requested to give their recommendation to BIS secretariat within 3 months. Mr Ravi Kumar informed that he would also seek help from EWAC Alloys limited, their sister concern who are into this business for reviewing the standard.  Comments awaited. Reminder sent on 6/112019 and 20/2/2020.  The committee had requested Mr P Ravi Kumar to complete the work allotted to him in two months’ time.  The committee in 20th meeting after deliberation decided to request **Shri Ravi Kumar** again to complete the work allotted latest by 30th November 2021.  The committee in its 21st meeting after detailed deliberation on the comments received from BEML the committee agreed on the comments as follows:    And requested member secretary to formulate the draft document based on the comments finalized as above and send for P-circulation for one month.  The draft document was sent for P-circulation for one month and no comments were received.  Since, no comments were received the committee in its 22nd meeting after deliberation decided to send the document for Wide circulation for the period of 1 month.  The document **MTD/11/21536** was wide circulated on 30-11-2023 for the period of 30 days.  The committee noted the information at Sl. No. 23 of item 3.1 and after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  During wide circulation, the following comments were received.    The committee after deliberation agreed on the comments and decided to incorporate changes and send the document for printing after finalization.  The document needs to be finalized and sent for printing.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The document is being sent for printing.  The committee noted the information. | The document still needs to be send for printing.  **The committee may note.** |
|  | **IS 1024 : 1999**  *Use of Welding In Bridges And Structures Subject To Dynamic Loading - Code Of Practice (second revision )* | We had received a note from Ministry wherein it has been advised to issue amendment to IS 1024:1999 stating that “The references for stress calculation in page No. 5 of IS 1024 : 1999 needs to be updated in page No. 3 of IS 2062 : 2011".  The committee observed that IS 2062 has since been revised, IS 8500 has been withdrawn and the values mentioned in table under clause 7.4 are for convenience. Thus, the committee after deliberation decided that the entire table under clause 7.4 may be deleted.  Since the standard also applies to the design, different stresses to be considered for the design, and construction of the bridges. it was decided that the draft amendment incorporating the above decision of MTD 11 sectional committee shall also be sent to Civil engineering department of BIS for their views. If no comments are received on the draft amendment from MTD and CED, the amendment may be sent for wide circulation for one month. In case no comments are received in wide circulation, the amendment may be sent for printing.  The committee in 20th meeting after deliberation decided to send the draft amendment to Civil Engineering Department seeking their comments on the same.  The Committee further decided that if no comments are received on the draft amendment from MTD and CED, the amendment may be sent for wide circulation for one month. In case no comments are received in wide circulation, the amendment may be sent for printing with the approval of the Chairman, MTD 11.  The committee in its 21st meeting after deliberation decided to send the draft amendment for wide circulation for one month.  While sending the Amendment-1 of IS 1024 for Wide circulation, member secretary observed that IS 1024 is a pre-2000 standard which needs to be revised. Hence a draft document is prepared incorporating the draft amendment.  The committee in its 22nd meeting decided to send the document for wide circulation for the period of 1 month.  The document **MTD/11/22285** was wide circulated on 21-11-2023 for the period of 30 days.  The committee noted the information at Sl. No. 26 of item 3.1. and after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  During wide circulation, the following comments were received.    The committee deliberated on the comments by Dr Shaju Albert and decided as given below:   * The committee decided to replace ‘results in’ and ‘shall be’ with ‘as require’ and ‘may be’ respectively. * The committee agreed on the comment by Dr Shaju at Clause 6.3.   After incorporating these suggested modifications send the document for printing post finalization.  The document needs to be finalized and send for printing.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The document is being sent for printing.  The committee noted the information. | The document still needs to be send for printing.  **The committee may note.** |
|  | **ISO 13585 : 2021**  *Brazing — Qualification testing of brazers and brazing operators.* | The committee in its 22nd sectional committee meeting decided to adopt ISO 13585:2021 as a new standard and send the document for wide circulation for the period of 30 days.  The document **MTD/11/22960** was wide circulated on 22-11-2023 for the period of 30 days.  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.    During wide circulation, the following comments were received.    The committee noted the information and after deliberation agreed on the comment by Dr Shaju and to incorporate the suggested modifications.  The document needs to be finalized.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The document is yet to be printed.  The committee noted the information. | The document still needs to be send for printing.  **The committee may note.** |
|  | **ISO 17779 : 2021**  *Brazing — Specification and qualification of brazing procedures for metallic materials* | The committee in its 22nd sectional committee meeting decided to adopt ISO 17779 : 2021 as a new standard and send the document for wide circulation for the period of 30 days.  The document **MTD/11/22974** was wide circulated on 22-11-2023 for the period of 30 days.  The committee in its 23rd meeting after deliberation decided to send the draft document for printing if no comments are received on wide circulated draft.  The draft documents still needs to be finalized.  The committee noted the information.  The document is being finalized and is under process for sending the document to publication.  The committee after deliberation decided to send the document for printing post finalization.  **26th Meeting**  The standard is yet to be printed.  The committee noted the information. | The document still needs to be send for printing.  **The committee may note.** |
|  | **IS 13043 : 1991**  *Covered manual metal arc welding electrodes - Determination of efficiency, metal recovery and deposition co - Efficient* | The committee in its 22nd sectional committee meeting decided to revise the standard.  While member secretary reviewed IS 13043 w.r.t. ISO 2401 : 2018 and observed that IS 13043 may be revised by adopting ISO 2401 : 2018 as it contains all the relevant grades mentioned in IS 13043.  The committee in its 23rd meeting after deliberation decided to revise IS 13043 by adopting ISO 2401 : 2018 as 2401 : 2018 contains all the relevant grades mentioned in IS 13043 and send the document for Wide Circulation for the period of 1 month.  **26th Meeting**  The document is yet to be wide circulated.  The committee after deliberation decided to discuss the document after wide circulation. | The document still needs to be wide circulated.  **The committee may note.** |
|  | **ISO 13916 : 2017**  *Welding - Measurement of preheating temperature, interpass temperature and preheat maintenance temperature* | The committee in its 23rd sectional committee meeting decided to adopt ISO 13916 : 2017 as a new standard and send the document for wide circulation for the period of 30 days.  **26th Meeting**  The document is yet to be wide circulated.  The committee after deliberation decided to discuss the document after wide circulation. | The document still needs to be wide circulated.  **The committee may note.** |
|  | **ISO 5817 : 2023**  *Welding — Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) — Quality levels for imperfections* | The committee in its 23rd sectional committee meeting decided to adopt ISO 5817 : 2023 as a new standard and send the document for wide circulation for the period of 30 days.  **26th Meeting**  The document is yet to be wide circulated.  The committee noted the information. | The document still needs to be wide circulated.  **The committee may note.** |
|  | **ISO 10042 : 2018**  *Welding — Arc-welded joints in aluminium and its alloys — Quality levels for imperfections* | The committee in its 23rd sectional committee meeting decided to adopt ISO 10042 : 2018 as a new standard and send the document for wide circulation for the period of 30 days.  **26th Meeting**  The document is yet to be wide circulated.  The committee noted the information. | The document still needs to be wide circulated.  **The committee may note.** |
|  | **IS 813 (Part 1) : 2018/ISO 2553 : 2013**  *Welding and Allied Processes Part 1 Symbolic Representation on Drawings — Welded Joints* | The committee in its 23rd sectional committee meeting decided to revise the standard by adopting ISO 2553 : 2019.  **26th Meeting**  The document is being wide circulated.  The committee noted the information. | The document still needs to be wide circulated.  **The committee may note.** |
|  | **IS 813 (Part 2) : 2018/ISO 4063 : 2009**  *Welding and Allied Processes Part 2 Nomenclature of Processes and Reference Numbers* | The committee in its 23rd sectional committee meeting decided to revise the standard by adopting ISO 4063 : 2023.  **26th Meeting**  The document is yet to be wide circulated.  The committee noted the information. | The document still needs to be wide circulated.  **The committee may note.** |

# [Annex - 2](#Annex2)

**[(Item 3.5)](#Annex2)**

**COMPOSITION OF WELDING GENERAL AND ITS APPLICATION SECTIONAL COMMITTEE, MTD 11**

|  |  |  |
| --- | --- | --- |
| **Meeting** | **Date** | **Place** |
| Twenty fourth | 27th February 2024 | Hybrid Meeting (BIS HQ, New Delhi) |
| Twenty fifth | 07th June 2024 | Physical Meeting (Volvo Group India Pvt. Ltd., Bengaluru) |
| Twenty sixth | 06th September 2024 | Hybrid Meeting (BIS HQ, New Delhi) |

**Welding General and its Applications sectional Committee, MTD 11**

**Scope:** Standardization in the field of welding fundamentals, consumables, equipments (other than electrical), testing, training, safety etc. and all welding processes including joining, surfacing, repairing and thermal cutting, soldering, brazing, friction welding, explosive, ultrasonic welding, beam welding (laser and electron beam), etc.

**Chairman:** Dr Shaju K. Albert

**Member Secretary:** Shri Vishal Kumar Rana

| **Sl No.** | **Name of the organization** | **Represented by** | **24th** | **25th** | **26th** | **Total** |
| --- | --- | --- | --- | --- | --- | --- |
|  | *(Personal Capacity)* | Dr Shaju K. Albert (*Chairperson*) | P | P | A | **3/3** |
|  | Indira Gandhi Centre for Atomic Research, Kalpakkam | Shri M. Krishnamoorthy | P | P | P | **3/3** |
|  | Ador Welding Limited, Mumbai | Shri Ninad Thigale  Shri Hariganesh Ramamurthy (*Alternate Member*)  Shri Rohit Raut (*Young Professional*) | P | P | P | **3/3** |
|  | Association of Welding Products Manufacturers, Mumbai | Shri Pankaj Jain  Shri Somnath Chakravarty (*Alternate Member*) | P | P | P | **3/3** |
|  | BEML Limited, Bengaluru | Shri J. Praveen | A | A | A | **0/3** |
|  | Bharat Heavy Electrical Limited, New Delhi | Shri Lakavath Praveen Kumar  Shri Hari Krishna Gadilli (*Alternate Member*) | P | A | P | **2/3** |
|  | D & H Secheron Electrodes Private Limited, New Delhi | Shri T. J. Prasada Rao Shri Zakir Hussain (*Alternate Member*)  Shri Anand Joshi (*Alternate Member*) | P | P | P | **3/3** |
|  | Directorate General of Quality Assurance, Ministry of Defence, Ichapur | Shri K. Saha  Shri P. Sundharajan (*Alternate Member*) | P | P | P | **3/3** |
|  | ESAB India Ltd, Chennai | Shri P. Ravi Kumar | A | P | A | **1/3** |
|  | Engineers India Limited, New Delhi | Shri S. Ghosal Shri Arijit Roy (*Alternate Member*) | A | A | A | **0/3** |
|  | GEE Limited, Thane | Shri Umesh Agarwal  Shri Vinay Tripathy (*Alternate Member*) | P | P | P | **3/3** |
|  | Godrej & Boyce Manufacturing Company Limited, Mumbai | Shri S. M. Vaidya Shri Anand D. Bagdare (*Alternate Member*) | P | P | A | **2/3** |
|  | Indian Institute of Technology Bombay, Mumbai | Dr Amitava De Dr K. Bhanumurthy Karanam (*Alternate Member*) | P | A | P | **2/3** |
|  | Indian Institute of Welding, Kolkata | Shri R. Banerjee  Shri Harish Khuranna (*Alternate Member*) | A | A | P | **1/3** |
|  | Indian Register of Shipping, Mumbai | Shri G. Madhu Babu  Shri J. Sumanth Kumar (*Alternate Member*)  Shri Ankur Anal (*Young Professional*) | P | A | A | **1/3** |
|  | Indian Welding Society, Tiruchirappalli | Dr V. R. Krishnan  Dr K. Ashok Kumar (*Alternate Member*) | P | A | A | **1/3** |
|  | Jai Gopal Engineering Works and Gases Private Limited, New Delhi | Shri Jai Gopal Mehta Shri Anil Kumar Sharma (*Alternate Member*) | A | A | P | **1/3** |
|  | Nuclear Power Corporation of India Limited, Mumbai | Shri Sundar Singh  Shri S. Viswanath (*Alternate Member*) | A | A | P | **1/3** |
|  | Office of the Development Commissioner (MSME), New Delhi | Shri D. D. Gajbhiye  Shri Gyarsi Prasad (*Alternate Member*) | A | A | P | **1/3** |
|  | Royal Arc Electrodes Limited, Mumbai | Shri Ramchandra A. Dewoolkar  Shri Hardik Sanghvi (*Alternate Member*) | P | P | P | **3/3** |
|  | Steel Authority of India Limited (SAIL), Research & Development Centre for Iron & Steel, Ranchi | Shri Sanjeev Kumar  Shri R. P. Singh (*Alternate Member*) | A | A | A | **0/3** |
|  | Tata Motors Limited, Pune | Shri Hemant More Shri Anoop Toby (*Alternate Member*) | P | A | P | **2/3** |
|  | Tata Steel Limited, Kolkata | Shri Kanwer Singh Arora | P | A | P | **2/3** |
|  | Volvo Group India Private Limited, Bengaluru | Shri Rudresh HM  Shri Gopinath Murugan (*Alternate Member*) | P | P | P | **3/3** |