

**Bureau of Indian Standards**

**Metallurgical Engineering Department**

**Minutes**

***of***

**26th Meeting of MTD 11 Sectional Committee**

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

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| Welding General and its Applications Sectional Committee,  MTD 11 | **26th** | Friday | **06th September 2024** | 10:30 am | **Hybrid Meeting**  **Venue:**  White Room, Manak Bhawan, Bureau of Indian Standards, 9, Bahadur Shah Zafar Marg, New Delhi-110002 |

***Ad hoc Chairperson*: Shri Pankaj Jain *Member Secretary*: Shri Vishal Kumar Rana**

**Meeting Attendance**

| **Sl No.** | **Organization Name** | **Member Name** | **Email** |
| --- | --- | --- | --- |
| 1 | Association of Welding Products Manufacturers, Mumbai | Shri Pankaj Jain | jainp@wearresist.com |
| 2 | Association of Welding Products Manufacturers, Mumbai | Shri Somnath Chakravarty | somnathchakravarty@adorians.com |
| 3 | Ador Welding Limited, Mumbai | Shri Ninad Thigale | ninadthigale@adorians.com |
| 4 | Ador Welding Limited, Mumbai | Shri Hariganesh Ramamurthy | hariganesh@adorians.com |
| 5 | Ador Welding Limited, Mumbai | Shri Rohit Raut | rohitraut@adorians.com |
| 6 | Bharat Heavy Electrical Limited, New Delhi | Shri Hari Krishna Gadilli | ghk@bhel.in |
| 7 | Bharat Heavy Electrical Limited, New Delhi | Shri Lakavath Praveen Kumar | praveenlakavath@bhel.in |
| 8 | D & H Secheron Electrodes Private Limited, New Delhi | Shri Zakir Hussain | rnd.zakir@dnhsecheron.net |
| 9 | Directorate General of Quality Assurance, Ministry of Defence, Ichapur | Shri P. Sundharajan | psrajansks.71@gov.in |
| 10 | GEE Limited, Thane | Shri Vinay Tripathi | gmnorth@geelimited.com |
| 11 | Indian Institute of Technology Bombay, Mumbai | Shri Amitava De | amit@iitb.ac.in |
| 12 | Indian Institute of Welding, Kolkata | Shri Harish Khurana | harish.khurana.iiw@gmail.com |
| 13 | Jai Gopal Engineering Works and Gases Private Limited, New Delhi | Shri Anil Kumar Sharma | aksharmaashaweld@gmail.com |
| 14 | Jai Gopal Engineering Works and Gases Private Limited, New Delhi | Shri Jai Gopal Mehta | jaigopal@ashaweld.com |
| 15 | Nuclear Power Corporation of India Limited, Mumbai | Shri Sundar Singh | sundarsingh@npcil.co.in |
| 16 | Office of Development Commissioner (MSME), New Delhi | Shri Gyarsi Prasad | gyarsi.p@dcmsme.gov.in |
| 17 | Royal Arc Electrodes Limited, Mumbai | Shri Hardik Sanghvi | hardik@royalarc.in |
| 18 | Tata Motors Limited, Pune | Shri Anoop Toby | anoop.toby@tatamotors.com |
| 19 | Tata Steel Limited, Kolkata | Shri Kanwer Singh Arora | kanwer.arora@tatasteel.com |
| 20 | Volvo Group India Private Limited, Bengaluru | Shri Rudresh HM | rudresh.hm@volvo.com |
| 21 | Indra Gandhi Centre for Atomic Research, Kalpakkam | Shri Aniket Shingewad | vc.igckal1@gmail.com |

# Item 0 General

# 0.1 Welcome Address by BIS

Member Secretary, Shri Vishal Kumar Rana, welcomed all members on behalf of BIS to the 26th meeting of the Welding General and its Applications Sectional Committee, MTD-11. He requested the committee members to choose an ad hoc chairperson for the 26th TC meeting, as the committee Chairperson, Dr. Shaju Albert, was traveling out of India. The members proposed Shri Pankaj Jain to be the ad hoc chairperson for the 26th TC meeting and he accepted the proposal. After that, Member secretary requested Shri Pankaj Jain to chair the 26th TC meeting of MTD 11.

# 0.2 Opening Remarks by the ad hoc Chairperson

Ad hoc Chairperson, Shri Pankaj Jain appreciated all members for making it to attend the 26th meeting of Welding General and its Applications Sectional Committee, MTD-11 and requested all members to actively participate in the activities of the committee.

# Item 1 Confirmation of Minutes of the Last Meeting

Since, no comments were received, the committee approved the Minutes of 25th meeting of Welding General and its Applications Sectional Committee, MTD-11 held on 07th June 2024 (Friday)via physical mode.

**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).

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

**3.1** The committee noted the information given at Item No. **3.1** to **3.5** of the Agenda.

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

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| **Sl No.** | **Organization** | **Decision of the committee in last meetings** | **Action Taken** | **Decision of the committee** |
| 1. | Bharat Heavy Electrical Limited, Tiruchirappalli | Mail regarding fresh nominations was sent to the organization on 25th April 2023.  The committee in its last meeting advised the member secretary to wait for the nominations.  No new nominations received till date.  Shri Lakavath Praveen Kumar shared the contact details of Shri Hari Krishna, BHEL, Hyderabad and advised the member secretary to get fresh nominations from him.  The mail regarding fresh nominations has been sent, and we are awaiting a reply.  Shri Lakavath Praveen from M/s BHEL mentioned that, he will help in getting the nominations from M/s BHEL.  Nominations still need to be sought with help of Shri Lakavath Praveen ji.  The committee requested member secretary to coordinate with Shri Lakavath Praveen ji and take fresh nomination. | Nominations are still awaited | The committee requested member secretary to take fresh nominations from BHEL. |
| 2. | 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. |
| 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. |

# Item 4 Draft Standards/Amendments for Finalization

The committee noted the information.

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

Member secretary informed the committee that ISO 544 : 2017 has been revised and replaced by ISO 544 : 2024, and the committee after deliberation decided to revise IS 18641 : 2024 by adopting the latest version of ISO 544 under dual numbering.

# Item 6 Drafts under Preparation

The committee noted the information.

# Item 7 Comments on Published Standards

The committee decided to discuss the comments received on the printed Indian Standards in the 27th TC meeting of MTD 11.

# Item 8 New Subjects for Standardization

The committee noted the information given at Item No. **8.1** to **8.2** of the Agenda.

# Item 9 Technical Issues

The committee noted the information.

# Item 10 International Activities

**10.1** The committee noted the information given at Item No. **10.1** to **10.4** of the Agenda.

**10.2** Member secretary shared the ISO meeting calendar before the committee and requested the members to inform by 20th November 2024 if any member is interested to attend the ISO meeting(s) pertaining to the MTD 11 sectional committee.

# Item 11 Programme of Work

The committee noted the information given at Item No. **11.1** to **11.6** of the agenda.

# Item 12 R&D Projects for Establishment/Revision of Indian Standards

The committee noted the information.

# Item 13 Latest Initiatives Taken by BIS

The committee noted the information given at Item No. **13.1** to **13.2** of the Agenda.

## **Item 14 Latest Initiatives Taken by BIS**

The committee noted the information.

# Item 15 Tasks Assigned to the Technical Committees by BIS

The committee noted the information.

# Item 16 Date and Place of Next Meeting

The committee decided to hold next meeting on 06 December 2024 at Mumbai.

# 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** | **Decision of the committee** |
| --- | --- | --- | --- | --- |
|  | **IS 15769 : 2008**  *Flux cored (Tubular) electrodes for gas shielded and self - Shielded metal welding of carbon or carbon - Manganese steel* | **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. | The Amendment is under preparation. | The committee decided to wide circulate the draft amendment for 30 days. |
|  | **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. | 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. |
|  | **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. | The document is yet to be printed. | The committee noted the information. |
|  | **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. | 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. |
|  | **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. | 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. |
|  | **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. | 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. |
|  | **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. | 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. |
|  | **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. | 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. |
|  | **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. | 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. |
|  | **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. | 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. |
|  | **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. | 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. |
|  | **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. | 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. |
|  | *Seeking feedback for adoption of ISO 2560 in place 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. | 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. |
|  | **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. | 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. |
|  | **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.  **24th Meeting**  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.  **25th Meeting**  The document needs to be finalized and sent for printing.  The committee after deliberation decided to send the document for printing post finalization. | The document is being sent for printing. | The committee noted the information. |
|  | **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. | 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. |
|  | **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.  **24th Meeting**  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.  **25th Meeting**  The document needs to be finalized and send for printing.  The committee after deliberation decided to send the document for printing post finalization. | The document is being sent for printing. | The committee noted the information. |
|  | *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. | 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. |
|  | **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. | 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. |
|  | **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. | 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. |
|  | **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.  **24th Meeting**  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.  **25th Meeting**  The document needs to be finalized.  The committee after deliberation decided to send the document for printing post finalization. | The document is yet to be printed. | The committee noted the information. |
|  | **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. | 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. |
|  | **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. | The document is yet to be printed. | The committee noted the information. |
|  | **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. | 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. |
|  | **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. | 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. |
|  | **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.  **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. | The standard is yet to be printed. | The committee noted the information. |
|  | **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. | 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. |
|  | **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. | 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. |
|  | **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. | 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. |
|  | **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. | 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. |
|  | **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. | 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. |
|  | **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.  **24th Meeting**  The draft documents 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. | The document is yet to be wide circulated. | The committee after deliberation decided to discuss the document after wide circulation. |
|  | **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.  **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. | The document is yet to be wide circulated. | The committee after deliberation decided to discuss the document after wide circulation. |
|  | **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. | 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. |
|  | **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.  **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. | The document is yet to be wide circulated. | The committee noted the information. |
|  | **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.  **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. | The document is yet to be wide circulated. | The committee noted the information. |
|  | **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.  **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. | The document is being wide circulated. | The committee noted the information. |
|  | **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.  **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. | The document is yet to be wide circulated. | The committee noted the information. |
|  | **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* | 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. | 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. |
|  | **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* | 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. | The document is being wide circulated. | The committee noted the information. |
|  | **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* | 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. | The document is being wide circulated. | The committee noted the information. |
|  | **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* | 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. | The document is being wide circulated. | The committee noted the information. |
|  | **IS 4972 (Part 7) : 2022/ISO 1089 : 1980**  *Resistance Spot Welding Part 7 Electrode Taper Fits for Spot Welding Equipment - Dimensions* | 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. | The document is yet to be wide circulated. | The committee noted the information. |
|  | **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* | 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. | The document is being wide circulated. | The committee noted the information. |
|  | **IS 6419 : 1996**  *Welding rods and bare electrodes for gas shielded arc welding of structural steel — Specification (First Revision) Amendment - 2* | 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. | 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: |