



Bureau of Indian Standards

Metallurgical Engineering Department

Agenda

of

46<sup>th</sup> Meeting of MTD 04 Sectional Committee

Name of the Committee	Meeting No.	Day	Date	Time	Venue/Mode
Wrought Steel Products Sectional Committee, MTD 04	46 <sup>th</sup>	Monday	27 May 2024	10:30 am	<p><b>Physical Meeting</b></p> <p><b>Venue :</b> <b>Samvaad (Green room)</b> Manak Bhawan, Bureau of Indian Standards, 9, Bahadur Shah Zafar Marg, New Delhi - 110002</p> <p><b>Meeting URL:</b> <b>Meeting ID:</b> <b>Password:</b></p> <p><b>For more details contact:</b> <b>Email:</b> mtd4@bis.gov.in</p>

**Chairperson: Shri S. K. Kar**

**Member Secretary: Shri Vishal Kumar Rana**

**Item 0 General**

**0.1 Welcome Address by BIS**

**0.2 Opening Remarks by the Chairman**

**Item 1 Confirmation of Minutes of Last Meeting**

The minutes of 45<sup>th</sup> meeting of Wrought Steel Products Sectional Committee, MTD 04 held on 15<sup>th</sup> December 2023 was circulated among the members via BIS portal on 01 February 2024 inviting comments till 16 January 2024. No comments were received from the members.

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

## **Item 2 Issue Arising Out of the Previous Meeting of MTD 04**

The issues arising out of the previous meeting of MTD 04, actions taken on them and progress made thereof are given in **Annex-I**.

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

## **Item 3 Scope and Composition of Sectional Committee, MTD 04**

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

In accordance with the guidelines, the composition should be compact and the membership of the committee shall be reviewed after 3 years and the organizations representing for reasonable long time without participation / contribution may be substituted by new organization who are capable of contributing in the new technologies / area(s) of work. A recent directive from DG, BIS has been received to include young scientists/professionals in the composition of the technical committees. Committee may please identify young scientists/professionals for inclusion in the committee. Also, members are expected to actively participate in the committee work which includes participating in meetings as well as in formulation and commenting on draft documents. Failing to do so may lead in withdrawal of membership.

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

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

### **3.3 The Size of the Committee**

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

### **3.4 Attendance of Members in the Committee**



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

### **3.5 The present composition of MTD 4 is given in Annex-II.**

**The committee may note and decide.**

#### Item 4 Comments on Printed Indian Standards

BIS has received following comments since last meeting of MTD 04:

SI No.	IS No.	Name	Clause/Subclause	Comment detail
1.	IS 7226 : 1974	Shri Ravindra Sarda	12.1	 Comment Detail_IS 7226.pdf
2.	IS 2062 : 2011	Shri Ritwick Kar	8.2, Table 3	 Comment Detail_IS 2062_page-0001.pdf

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

#### Item 5 Review of Indian Standards

##### 5.1 Periodical Review of Standards

Each published Indian standard is required to be reviewed by the concerned sectional committee after every five years of its publication/Reaffirmation and the Pre 2000 standards which are due for reaffirmation shall be revised. The guidelines given by Standards Advisory Committee (SAC) are as follows:

- i) The standards may be reaffirmed in its present form;
- ii) The standards may be reaffirmed with minor changes by issuing an amendment;
- iii) The standards may be reaffirmed with simultaneously taking up the revision; and
- iv) The standards may be withdrawn.

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

- a) Study and analysis of relevant international standards.
- b) Literature survey on the subject.
- c) Interaction with the industry on the changes in the technologies, manufacturing processes or test methods.
- d) Visit to leading manufacturing units for the first-hand information on the manufacturing processes.
- e) Interaction with BIS officers and labs for feedback on certification and test method related issues.

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

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

**The committee may please note.**

### Item 6 List of Indian Standards

The list of Indian Standards formulated by MTD 04 is given at **Annex-III**.

**The committee may please note.**

### Item 7 New Proposals for Standardization

**7.1** As per new guidelines received from Competent Authority, any proposal to be taken up for formulation or revision of a standard, it must be submitted through the Standardization Portal and with adequate justification in support of the proposed standard. Proposals which are in the nature of a wish list and do not have the required justification shall be returned to the sender forthwith for resubmission in the desired manner. If the proposal was received from Ministry, the communication should go from DDG and in all other cases from the Head of Department. Where a proposal is made in the Sectional Committee, the member making the proposal should send the proforma beforehand through the portal and present it in the meeting for consideration of the committee. The sample proforma is given in **Annex-IV**.

**7.2** It may further be added that the proposal received at **7.1** has to be analyzed by the member secretary in the prescribed proforma for consideration of the technical committee/screening committee keeping the following in view:

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

**7.3** During last meeting the Committee decided on the new subjects as given below:

SI No.	Subject	Task entrusted with
1	Carbon and Low Alloy Steels for Submerged Arc and Gas Shielded Arc Welding Electrodes	Panel 29
2	Zn-Al Coated Steel Wires	
3	New Standards on the lines of ISO 6819 <i>Steel wire rod for bridge cable wire</i>	
4	Hot-rolled medium and high carbon steel sheets, plates and strip	R&D, ToR prepared during Spl meeting of TC held on 10 Nov 2023 and submitted to screening committee. See Annex V, Pg 65-68
5	Electroplated Zn-Ni Steels	Member Secretary
6	Al- Si Coated	Panel 11 Working Group: Shri Mohammed Basha AM/NS
7	Pre painted EG base	
8	Pre Painted ZAM base	

### Item 8 Latest Initiatives Taken by BIS

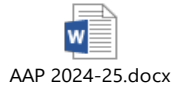
**8.1** Latest guidelines issued by the BIS to bring greater efficiency in the standard formulation and revision work are given below:



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**The committee may please note.**

8.2 The Rolling Annual Action Plan for the year 2024-25 has been placed below:



The committee may please note.

8.3 Tentative Annual Calendar of Technical Committee meetings:

Quarterly meeting schedule 2024-25 of MTD 04											
April, 2024	May, 2024	June, 2024	July, 2024	August, 2024	September, 2024	October, 2024	November, 2024	December, 2024	January, 2025	February, 2025	March, 2025
	27-May-2024					15-Oct-2024					

The committee may decide.

#### 8.4 Pro-Active Actions Taken For Dissemination of Information through Social Media

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

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

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

BIS Facebook Official: <http://bit.ly/BISFacebookOfficial>

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

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

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

The Committee may please note.

#### 8.5 Digitization/Fully automation of standards formulation work through standardization portal

All the committee work including Request for Co-option, proposal for new/revision of standards, commenting on the existing standards or standards under development, all the communication with the members, including the agenda and minutes of the meeting should take place through Standardisation Portal only. Standardisation portal has provisions for both recording the date of the Sectional Committee meetings and timelines for each of the proposals for the formulation/revision of standards. The link for the standardization portal is as below:

[https://www.services.bis.gov.in/php/BIS\\_2.0/](https://www.services.bis.gov.in/php/BIS_2.0/)

The committee may please note.

#### Item 9 Draft Standards/Amendments for Approval for Wide Circulation

There are currently no documents pending to be wide circulated.

The committee may please note.

## Item 10 International Activity

### 10.1 Interaction with ISO/IEC

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

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

**10.1.2** India is 'P' member on ISO Technical Committee *ISO/TC 17 – Steel* and IEC Technical Committees *IEC/TC 51 - Magnetic components, ferrite and magnetic powder materials* and *IEC/TC 68 - Magnetic alloys and steels*. The technical committees were further divided at present in to following working groups /Subcommittee.

ISO/TC 17	Steel — P member
ISO/TC 17/SC 3	Steels for structural purposes — P member
ISO/TC 17/SC 4	Heat treatable and alloy steels — P member
ISO/TC 17/SC 9	Tinplate and blackplate — P member
ISO/TC 17/SC 10	Steel for pressure purposes — P member
ISO/TC 17/SC 12	Continuous mill flat rolled products — P member
ISO/TC 17/SC 17	Steel wire rod and wire products — P member
ISO/TC 17/SC 20	General technical delivery conditions, inspection documents and sampling for mechanical testing — P member
ISO/TC 17/WG 28	Guideline for smart manufacturing in iron and steel industry
IEC/TC 51	Magnetic components, ferrite and magnetic powder materials — P member
IEC/TC 68	Magnetic alloys and steels — P member

**10.1.3** The details of the standards formulated by ISO Technical Committee - ISO/TC 17 - Steel are given below:



ISO TC 17 published standards.docx

**The committee may note.**

**10.1.4** The details of the standards formulated by IEC Technical Committees IEC/TC 51 - Magnetic components, ferrite and magnetic powder materials and IEC/TC 68 - Magnetic alloys and steels are given below:



IEC TC 51 & 68 published standards.c

**The committee may note.**

## 10.2 India's participation in ISO/IEC meetings

**10.2.1** India being a 'P' member in IEC/TC 51, IEC/TC 68, ISO/TC 44 and its various subcommittees, 'P' members have to participate actively in the work, with an obligation to vote on all documents formally submitted for voting within the technical committee or subcommittee and on draft documents at different stages of processing and to participate in meeting(s), in order to place our viewpoints on the ISO/IEC standards effectively.

**The committee may note.**

### 10.2.2 ISO meeting calendar



ISO TC 17 meeting  
calendar for MTD 4.xl

**The committee may note.**

## 10.3 Harmonizing of Indian Standards with ISO/IEC standards

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

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

**The committee may please note.**

## 10.4 WTO-TBT enquiry point

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

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

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

**10.4.4** In BIS, International Relations & Technical Information Services Department (IR&TISD) operates the WTO-TBT Enquiry Point Services. IR & TISD disseminates the TBT Notifications of other countries to the Indian Stakeholders with a view to seek their comments and taking up the same at appropriate forum.

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

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

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

**The Committee may please note.**

#### **Item 11 Draft Amendments/Standards for Finalization**

Currently there are no documents for printing.

**The committee may note.**

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

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



Revised R&D  
Guidelines 0909202:

**The committee may note.**

#### **12.2 Research Projects to be Taken Up for Inclusion of Empirical Data and Insights**



DG\_Letter.pdf

**The committee may note.**

#### **Item 13 Date and Place for the Next Meeting**

The committee may deliberate and decide date for next TC meeting.

#### **Item 14 Any Other Business**



Annex-I  
(Item 2)

SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
1.	<p>Comments received on <b>IS 18316 : 2023</b></p> <p><i>Hot rolled and cold rolled steel strips intended for processing of semi/fully processed non-grain oriented electrical steel or fully processed grain oriented electrical steel</i></p>	<p>Comments received from JFE, post WC period were shared with Panel 2 for examining and obtaining views.</p> <p>Subcommittee during its meeting held on 28 July 2023, requested the panel convener Sh Kapil Kapoor to expedite action and submit their recommendation within a month from the date of finalization of the minutes.</p> <p>In addition, we were in receipt of comments from Convener of Panel, given at <b>Appendix-1 (Pg 34-36)</b> to the agenda.</p> <p>On the contents of the standard, the following were informed to the Committee by the panel convener Shri Kapil Kapoor:</p> <p>i) expressed concerns that it may not cater to the user desirous of producing the CRGO steel using the input material conforming to this standard.</p> <p>ii) User may end up getting inefficient material.</p> <p>As a result, it was put forward by Shri Kapil Kapoor that the scope of present standard may be restricted to CRNO steels and if desired by the Committee a new standard may be formulated for unprocessed electrical steels which could be used for producing CRGO steels.</p> <p>In this regard, the following were observed by the Committee vis-à-vis contents of the standard and concerns expressed by Shri Kapil Kapoor:</p> <p>i) standard in its present content was generic without specifying electrical/magnetic properties as the material is un-processed and it was difficult to mention the same given that the manufacture of electrical steels varies from manufacturer to manufacturer</p> <p>ii) Manufacturers of electrical steels would be well aware of the requirements desired from input unprocessed electrical steel capable of</p>	<p>The report from Shri Kapil Kapoor ji is still awaited.</p>

SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		<p>suiting their manufacturing practice given that such practices were still classified involving diversity.</p> <p>Thereafter, Member secretary reiterated the purpose of having the standard on the request from Ministry of Steel, which may not be for benefitting the users producing electrical steels from the unprocessed electrical steel but to keep a track on unprocessed electrical steels which was imported without any warranty for chemical composition or electrical/magnetic properties and could be construed used as a leeway for unscrupulous importers. However, having a standard would facilitate tracking the production of electrical steels through effective implementation of QCO as electrical steels were regulated both through QCO under scheme-IV for IS 3024/ IS 648 and under Scheme-V for Laminations for transformer cores, thereby ensuring suitable steel was used for electrical applications which could be constructive in measures for meeting energy related challenges.</p> <p>iv) A need was felt to regulate such an instance and as a result it culminated in the publication of this generic standard involving specifying chemical composition as per definition of silicon steels given in relevant part of IEC 60404 and dimensional tolerances.</p> <p>iv) Standard during its document stage was shared with licences under FMCS and no objections with regard to scope of standard except for silicon range from M/s JFE, Japan.</p> <p>iv) Nevertheless, now it was felt that for enhancing the quality of the standard, we may provide additional information on unprocessed electrical steel which could cater to electrical steels classified on basis of technology used for obtaining superior magnetic properties.</p> <p>On account of the above, the Committee suggested the following to the Panel:</p> <p>a) to obviate any difficulty on account of restricted chemical composition, which could possibly be inhibiting scope of the standard and as such</p>	

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		<p>changes may be recommended for chemical composition.</p> <p>b) any additional information on unprocessed electrical steels correlating it to the various types of electrical steels may be suggested for the guidance of users.</p> <p>Accordingly, Panel Convenor was requested to submit the report.</p> <p style="text-align: center;"><b>45<sup>th</sup> Meeting</b></p> <p>During the subcommittee meeting held on 08 Dec 2023, the subcommittee noted the status and requested the Panel convener to address the comments from JFE, CMD-2(Appendix-1, Pg 42-43) and his own concerns raised during last TC meeting, within one month.</p> <p>Committee noted the status and requested the panel convenor Shri Kapil Kapoor to submit the report within one month from the date of finalization of the minutes.</p>	
2.	<p><i>New Standard on thin magnetic steel strip for use at medium frequencies - Both for CRNO and CRGO</i></p> <p><b>Doc No.: MTD/04/23958</b></p>	<p>It was suggested by Mr Kapil Kapoor to adopt IEC standard 60404-8-8 , standard for thin magnetic steel strip for use at medium frequencies - Both for CRNO and CRGO</p> <p>The committee after deliberation agreed that new standard on thin magnetic steel strip for use at medium frequencies needs to be formulated. Mr Kapil Kapoor of Thyssen Krupp was requested to fill the form provided at Annex IV of agenda for proposing new subjects.</p> <p>During the last meeting committee after discussion requested Mr Kapil Kapoor to forward Annex IV for proposing new subject. Since Tata Cogent representatives were also present in the meeting, they were requested to assist Mr Kapil Kapoor with details required for filling up Annex IV.</p> <p>After receipt of this, the same was to be forwarded to committee members, and if agreed by committee members and approved by Chairman, the recommendation for formulating new standard on thin magnetic steel strip for use at medium frequencies, was to be forwarded to MTDC for approval</p>	<p>The document was circulated in WC for 60 days, inviting comments till 05 February 2024.</p> <p>However, <b>no comments</b> were received on the WC draft.</p> <p>The document may be finalized and sent for printing since, no comments were received.</p> <p style="text-align: center;"><b>The committee may decide.</b></p>

SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		<p>of new subject.</p> <p>The committee was informed that Annex IV was still awaited.</p> <p>The committee noted the information. Shri Kapil Kapoor informed the committee that he will submit the requisite document by 15 January 2019.</p> <p>The duly filled template proposing new standard for use at medium frequencies was received on 12th June 2019 from Sh. Kapil Kapoor.</p> <p>Convener of Panel-18, Sh Kapil Kapoor emphasized on the need to have standard on thin magnetic steel strip for use at medium frequencies - both for CRNO and CRGO and imparted the features of the new work item proposal (<b>Appendix-2</b>) to the members and vouched for adoption o</p> <p>The Committee agreed to the proposal in-principle and advised the sub-committee to take further actions for adoption of the IEC standard expeditiously. Also, the Sub-Committee was advised to ensure that the draft document would be circulated among ITMA and IEEMA during wide circulation.</p> <p>Also, the Committee advised the Sub-Committee to examine the adequacy of test methods covered in IS 649 for product covered under IEC 60404-8-8:2017 and decide on the matter.</p> <p>The Subcommittee during its meeting held on 18 April 2022 requested Panel 2 to submit report by 30 June 2022 on adequacy of IS 649 for the proposed adoption of the product standard.</p> <p>Panel 2 held its meeting on 24 May 2022. Report is awaited.</p> <p>The Committee was informed by the Panel Convenor Sh Kapil Kapoor that IS 649 in its present was inadequate to test the products covered under IEC 60404-8-8:2017, proposed to be adopted as an Indian Standard.</p> <p>The Committee requested the panel convenor either to modify IS 649 suitably for making it amenable for testing of the product as per IEC 60404-8-8:2017. Also, the Committee requested the panel convenor to provide</p>	

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		<p>WC draft as this would be an adoption of modified version of IEC 60404-8-8:2017.</p> <p>The Panel Convenor Sh Kapil Kapoor was requested to submit the desired draft amendment to IS 649 and the modified version of IEC standard within 15 days from the date of finalization of the minutes.</p> <p>Also, it requested Member Secretary to circulate the draft amendment on receipt of it from Panel Convenor, to members of both MTD 4 and MTD 4:3, giving a time period of 21 days for inviting comments.</p> <p>The member secretary was also requested to send the modified version of IEC on receipt from Panel Convenor Sh Kapil Kapoor for WC for a period of 1 month.</p> <p>Report is awaited from convenor of Panel 2.</p> <p>Panel Convenor Sh Kapil Kapoor briefed the status to the subcommittee.</p> <p>Accordingly, Subcommittee requested Panel Convenor to submit the report within 15 days from the date of finalization of the minutes.</p> <p>Committee noted the status and requested the Panel Convenor Sh Kapil Kapoor to submit the report by 31 Dec 2022.</p> <p>Panel 2 held its meeting on 02 Jan 2023 and agreed to consider an amendment to IS 649 to suit the needs for adoption of IEC 60404-8-8.</p> <p>Draft amendment is awaited.</p> <p>Draft amendment No.6 to IS 649 was awaited from the panel 2, for ensuring adequacy of IS 649 for adoption of IEC 60404-8-8.</p> <p>During the meeting of subcommittee held on 11 April 2023, Convenor of Panel 2, Shri Kapil Kapoor was requested to submit the draft amendment within 14 days.</p> <p>Committee was briefed by the member secretary that adequacy of IS 649, with or without awaited modification, only helps manufacturers and testing labs in complying with the standard but it does not obstruct adoption of the</p>	

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		<p>IEC 60404-8-8 as an Indian Standard, as the comparison of other referred standards in IEC were only captured in national foreword, which would be comprising IS 649 as not identical with various IEC test method standards. On the above grounds, Member secretary requested the committee to agree with the proposal for sending the document for wide circulation.</p> <p>Consequently, the Committee advised the Member Secretary to obtain consent from the subcommittee MTD 4:3 on the above proposal for wide circulation and apprise the same with them in due course for further action.</p> <p>Subcommittee noted the information that an amendment to IS 649 was in process for enhancing the test frequency beyond 400 Hz, for making the standard amenable to cover test methods for thin magnetic steel strip for use at medium frequencies.</p> <p>In this regard, panel convenor Sh Kapil Kapoor was requested to expedite action and submit their recommendation along with draft amendment within a month from the date of finalization of the minutes.</p> <p>Further, the members of subcommittee were informed by the member secretary that the desired amendment would only facilitate giving an added advantage for testing as per IS 649 but do not substitute the referred IEC standards in the product Standard. In other words, the foreword of the product standard would be providing a degree of comparison between IEC standards on test methods and IS 649, which would be mentioned as not equivalent against the corresponding IEC standard. Accordingly, it was put forward that the desired amendment should not be construed as deterrent for going ahead with the adoption of IEC 60404-8-8:2017 and suitable changes to the foreword could be considered at a later stage after publishing the desired amendment for IS 649. Also, it was apprised that the product standard needs to be expedited on account of ensuring the quality of imports, which was substantiated through data received from Ministry of Steel and shared with Members during April/May 2023.</p>	

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		<p>As a result, the subcommittee during its meeting held on 28 July 2023 recommended to send the document intended for adoption of IEC 60404-8-8:2017 for wide circulation for 30 days with prior approval of TC.</p> <p>Document to be sent for wide circulation for 60 days, as decided during 44<sup>th</sup> meeting held on 22 Sep 2023.</p> <p style="text-align: center;"><b><u>45<sup>th</sup> Meeting</u></b></p> <p>The document MTD 04 23958 was sent for WC inviting comments till 05 Feb 2024.</p> <p>Committee noted the status that the document MTD 04 23958 was in WC till 05 Feb 2024.</p>	
3.	<p>New standard on Wear &amp; Abrasion resistant steel plates</p> <p><b>MTD/04/13289</b></p>	<p>During the last meeting comments received from Volvo steel were discussed and after deliberation the committee did not agree to the comments. The committee after deliberation decided to send the document for wide circulation for two month.</p> <p>The document placed at <b>Appendix 16</b> is being prepared for wide circulation.</p> <p>Before sending the draft for wide circulation, the draft was examined and observations were shared with the panel by MTD. Also, MTD had informed the panel convener that the composition of the panel was not balanced as there was no representation from User Industry. Subsequently, Panel meeting was held on 30 June 2020 to discuss on comments of MTD. Modified draft was received by MTD from the panel convener on 07 July 2020.</p> <p>During the meeting, Member Secretary had informed the committee that the comments of MTD on the draft document were not addressed by the panel even in the modified draft submitted on 07 July 2020.</p> <p>The Committee noted the information and requested the Panel Convener to submit the modified working draft along with work plan for validation of</p>	<p>The document has been finalized and sent for printing.</p> <p><b>The committee may note.</b></p>

SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		<p>the grades to the sub-committee within 2 months.</p> <p>Also, the Committee took note of the concerns raised by the Member Secretary on composition of the panel and advised sub-committee to reconstitute the panel by also having representation from the organizations JCB, Volvo, Caterpillar, Tata Hitachi and BEML.</p> <p>Further, the Committee requested, Addl Industrial Advisor to Ministry of Steel to arrange for requisite samples in due course in consultation with importers, necessitated for validation of properties in the draft standard.</p> <p>Subcommittee during its meeting held on 18 April 2022, requested the convenor to P-Draft by 30<sup>th</sup> June 2022.</p> <p>The Committee noted the status shared by Panel convenor Sh Deepak Gupta.</p> <p>Also, the Committee discussed on possibilities of some of the varieties to be tested for validation of steel grades using steel produced domestically. It requested AM/NS to provide samples to panel for grades of lower hardness and requested Sh Parmjeet Singh (M/o Steel) to help the panel for getting grades of higher hardness from importers.</p> <p>Further, Head MTD clarified to the Panel convenor that the panel report should be inclusive of grades of steel along with corresponding properties and acceptance criteria for validation of grades i.e number of samples to be tested and also to specify coordination required both for collection of samples and getting them tested. Also, it was suggested by the committee that the samples for validation be got tested in any NABL/BIS approved Lab for steels.</p> <p>The Panel Convenor was requested to submit the panel report within 15 days from the date of finalization of the minutes.</p> <p>The report of the panel would be presented during the meeting by convenor of Panel 27 Sh Deepak Gupta, AM/NS.</p>	



SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		<p>Draft Standard is placed at Appendix-1(Pg 50-56).</p> <p>Panel convenor, Sh Deepak Gupta, apprised the members of the contents of the report.</p> <p>Subsequently, Head MTD raised concerns on chemical composition, as there was no difference amongst the grades except for maximum allowable limit of carbon.</p> <p>Accordingly, Panel Convenor informed the Subcommittee that the panel would revisit the TCs and share the report by 30 Nov 2022.</p> <p>Panel Convenor Sh Deepak Gupta, briefed the committee about the contents of the report and draft standard.</p> <p>The Committee agreed to start the proceedings by initiating the process of testing and validation for grades covered in draft standard as mentioned below:</p> <ol style="list-style-type: none"> <li>1) As-prepared samples for grades 400,450 to be send to MTD, BIS by AMNS.</li> <li>2) Cut -pieces of other grades from importers to be arranged by Ministry of Steel and to send the same to MTD, BIS.</li> <li>3) Testing of samples at CL, BIS subsequent to receipt of as-prepared samples from AMNS for all the grades.</li> </ol> <p>Further, the Committee agreed to send the draft standard, Appendix-2(Pg 102-109), among members for P-circulation giving time for a period of 21 days from the date of finalization of the minutes.</p> <p>No comments received during P- circulation.</p> <p>Samples of grades ISAR 400,450 and 500 were sent for testing at BIS lab for alltests barring impact test at -40Deg C.</p> <p>Testing would be carried out for free of cost at CL, Sahibabad (BIS, lab) with exception of impact test at -40 Deg C which would be carried out M/s Spectro analytical lab for which AMNS agreed tobear the costs.</p>	

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		<p>Committee noted the status and requested the Panel Convenor to examine the test reports and share their recommendation so that further action could be taken in due course.</p> <p>Also, the Committee agreed to send the document for wide circulation, which was previously P-circulated among committee members, in case the desired panel recommendation states that the results of test report were substantiating the requirements as indicated in the P-circulated draft.</p> <p>During the subcommittee held on 28 July 2023, the summary of the test results were apprised to the members by the Panel Convenor Shri Deepak Gupta (AM/NS).</p> <p>Further, the modified draft on account of the satisfactory results validating the survey of MTCs of importers, involving stipulation of limits for tensile strength instead of a range in the earlier draft, is given at <b>Appendix-2(Pg 37-42)</b>.</p> <p>The Subcommittee recommended to send the document for wide circulation for 30 days with prior approval of TC.</p> <p>The Committee noted the changes considered to the draft involving stipulation of limits for tensile strength instead of a range and agreed with the recommendation of the subcommittee to send the document given at <b>Appendix-1 for wide circulation for 60 days with prior approval of TC</b>.</p> <p>Document to be sent for wide circulation for 60 days, as decided during 44<sup>th</sup> meeting held on 22 Sep 2023.</p> <p style="text-align: center;"><b><u>45<sup>th</sup> Meeting</u></b></p> <p>The document MTD 04 13289 was sent for WC inviting comments till 05 Feb 2024.</p> <p>Committee noted the status that the document MTD 04 13289 was in WC till 05 Feb 2024.</p>	
4.	Revision of IS 11587 : 1986	A Panel 19 consisting of following members was formed for revision of IS	The document still needs to be


SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
	<i>Structural weather resistant steels</i>	<p>11587:1986 Structural weather resistant steels</p> <ol style="list-style-type: none"> <li>1. Mr Jayanta K Saha - INSDAG – Convenor</li> <li>2. Mr Deepak Gupta – Essar Steel</li> <li>3. Mr A Dagupta – SAIL, RSP</li> <li>4. Mr Avtar Singh – Tata Steel</li> <li>5. Mr Devasish Mishra, JSW, Bellary</li> <li>6. Mr M Borkar – JSPL</li> <li>7. Representative from RDSO</li> </ol> <p>During the last meeting committee requested the panel to provide the revised draft based on comments received and agreed by committee by incorporating above proposed changes to BIS. The revised draft was then to be sent for wide circulation for one month.</p> <p>The draft placed at <b>Appendix 12</b> is being prepared for wide circulation.</p> <p>Comments on the working draft was shared with panel convener on 25<sup>th</sup> June 2021 and placed at Appendix-9. Revised draft was awaited.</p> <p>Convener of Panel-19, Dr Jayanta Saha, briefed the committee about the status of the revision (Appendix-9).</p> <p>The Committee noted the status and requested Panel Convener to submit the modified draft to the Sub Committee within One Month.</p> <p>Subcommittee requested the Panel Convener to submit the P-Draft by 20<sup>th</sup> June 2022.</p> <p>The committee noted the status briefed by Sh G V Ramana (representing Panel Convener Sh Devashish Mishra, JSW) and informed that comments of MTD were duly addressed in the final draft, which were observed to be in review mode capturing the comments of MTD and reply of panel convener. However, the draft was devoid of desired panel draft and consolidated comments from panel members which were duly addressed in shaping the</p>	wide circulated.

SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		<p>final draft for revision.</p> <p>Head MTD clarified to the Panel convenor that it was desirous of having a report from panel convenor incorporating references of national/ international standards for the changes suggested for revision of the standard and should also be including the decision of the panel along with the changes therein against all the comments received from members of panel.</p> <p>The committee requested the convenor of panel 7 to submit the report within <b>07 days</b> from the date of finalization of the minutes.</p> <p>Also, it requested Member Secretary to circulate the P-draft on receipt of it from Panel Convenor, to members of both MTD 4 and MTD 4:3, giving a time period of 21 days for inviting comments.</p> <p>Amendment No. 1 to IS 11587:1986 was issued in August 2022, on account of 41<sup>st</sup> meeting of MTD 4 held on 28 July 2022, for catering the need of container manufacturers. The grade SPA-H and SPA-C (JIS G 3125) were incorporated in the standard through the amendment.</p> <p>Subcommittee requested the Panel Convenor to submit its report by 30 Nov 2022.</p> <p>Committee noted the status and requested the Panel Convenor Sh Devasish Mishra to submit the report within 30 days from the date of finalization of the minutes.</p> <p>Report is awaited from Panel 7. Also, nominations to be obtained from IR classand RDSO.</p> <p>During the meeting of subcommittee held on 11 April 2023, on behalf on Panel convenor of Panel 7, Shri G V Ramana Sought 45 days time to submit the report.</p> <p>Committee noted the status that convenor of Panel 7 Sought 45 days time from 30 April 2023 to submit the report.</p>	


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		<p>Further, the Committee advised the Panel Convenor to hold a physical meeting in the Month of May 2023 and finalize the pending action(s) on priority.</p> <p>As desired by the committee, Panel held its meeting on 09 June 2023.</p> <p>The report received from the panel on account of its meeting held on 09 June 2023, is given at <b>Appendix-3 (Pg 43-55)</b>.</p> <p>Subcommittee during the meeting held on 28 July 2023, requested the Convenor of Panel 7 to expedite action and submit the desired draft, as mentioned in the report, within 45 days from the date of finalization of the minutes.</p> <p>The Committee examined the desired draft for revision of IS 11587:1986, which was circulated as addendum to the agenda and agreed with the changes as suggested by the panel.</p> <p>Document to be sent for wide circulation for 30 days, as decided during 44<sup>th</sup> meeting held on 22 Sep 2023.</p> <p style="text-align: center;"><b><u>45<sup>th</sup> Meeting</u></b></p> <p>Document is being sent for WC for 30 days.</p> <p>Committee noted the status that the document is being sent for wide circulation for 30 days within a month from the date of finalization of the minutes.</p>	
5.	<p><b>Revision of IS 2507 : 1975</b> <i>Cold-rolled steel strips for springs</i></p>	<p>Comments received from Bhushan Steel Ltd, Maharashtra</p> <p>During the previous meetings the committee discussed the draft revision and after deliberation some of the committee members requested for some more time to go through the revised standard and give comments on same. The committee agreed to give 21 days to the committee members to give their comments on the draft. In case no comments are received in this period, the draft shall be sent for wide circulation for one month after taking approval of Chairman MTD 4.</p>	<p><b>Draft or Report is awaited from Shri Mohammed Basha.</b></p> <p><b>The committee may note and decide.</b></p>

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		<p>Vide email dated 3/4/2018 following clarification has been sought from Mr Murlidhar of Bhushan Steel for which reply is awaited.</p> <p>“In the covering letter attached you have informed that for revising this standard you have taken help of ISO 4960. You are requested to kindly inform whether the ISO 4960 can be adopted in total replacing the current standard or only a few clauses need to be taken from ISO 4960.</p> <p>Also as understood the changes made by you are highlighted by red colour. You are requested to inform whether the changes made are as mentioned in ISO standard particularly for chemical composition, physical properties, heat treatment temperature .</p> <p>During the last meeting Committee decided that the Bhushan Steel should send their comments with justification in the comment format. Mr Murlidhar agreed that he shall send the same to BIS in one week’s time.</p> <p>The same shall then be forwarded to committee member for 21 days for comments and in case no comments are received the revised document may be sent for wide circulation for one month.</p> <p>The committee noted the information and after deliberation decided that as no reply has been received from Bhushan Steel the draft document placed at Appendix 14 may be sent for wide circulation for one month.</p> <p>Observations made by Member Secretary, while preparing the draft for wide circulation, were shared with Panel for disposal (see Appendix-11 pg 147-156). Reply is awaited from the Panel Convener.</p> <p>The Committee took note of the comments of MTD (Appendix-11) and advised the Sub-Committee to take decision on the matter.</p> <p>Subcommittee referred the matter to panel 11 to examine the working draft received from Tata-BSL Ltd earlier and submit the P-Draft by 20th June 2022.</p> <p>The committee requested the convener of panel 11 to submit the report</p>	

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		<p>within 15 days from the date of finalization of the minutes.</p> <p>Report is awaited from Panel 11.</p> <p>Subcommittee requested the Panel Convenor to submit its report by 30 Nov 2022.</p> <p>Committee noted the status and requested the Panel Convenor Sh Avtar Singh Saini to submit the report within 30 days from the date of finalization of the minutes.</p> <p>Report is awaited from Panel 11.</p> <p>Subcommittee during its meeting held on 11 April 2023 had advised the panel to expedite action. Also, panel was also advised for considering adoption of ISO 4960.</p> <p>Committee noted the status and requested Panel 11 to hold a physical meeting in the Month of May 2023 and finalize the pending actions on priority.</p> <p>As desired by the committee, Panel held its meeting on 08 June 2023.</p> <p>Report is awaited from Shri Ravindra Gujar (M/s Tata Steel Ltd) and requested Member Secretary to ensure follow up action and obtain the report within 45 days.</p> <p>For focusing more on the matters related to exigency cited by Ministry of Steel for formulation of standards on electrical steels for medium and high frequency, abrasion resistant steels, Zn-Ni coated steels, medium carbon cold-rolled steels etc for ensuring quality of imports, <b>the committee decided to merge IS 7226 and IS 2507.</b></p> <p>Accordingly, it requested Sh Mohammed Basha (AM/NS) to formulate a draft merging both IS 7226, IS 2507, further deriving assistance from other national/international standards on the subject and on account of import related data from Ministry of Steel. Sh Basha was also requested to submit the draft within 30 days from the date of finalization of the minutes.</p>	




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		<p>Members including subcommittee were requested to examine the resultant draft and share their views within 07 days from the date of its circulation and it also decided that in case of no comments the document would be sent for wide circulation for 30 days.</p> <p>Drafts for revision of IS 2507/7226/4397 was entrusted to Shri Mohammed Basha (AM/NS).</p> <p style="text-align: center;"><b>45<sup>th</sup> Meeting</b></p> <p>Subcommittee, during its meeting held on 08 Dec 2023, noted the status and requested Shri Mohammed Basha (AMNS) to expedite action.</p> <p>Committee noted the status and requested from Shri Mohammed Basha (AMNS) to submit the report within 30 days from the date of finalization of the minutes.</p>	
6.	<p><b>IS 2062 : 2011</b> <i>Hot Rolled Medium and High Tensile Structural Steel</i></p>	<p>In the 32nd meeting, comments received from Mr P.K.Patra, JSW Steel limited were considered and after deliberation the committee decided that some more study is required before permitting higher level of nitrogen in IS 2062:2011. The committee requested Mr P.K.Patra to undertake the study and get the high nitrogen level steel samples tested in WRI,BHEL, Trichy and welding laboratory of Tata Steel and present the findings in the next meeting.</p> <p>Comments received from JSW and TATA Steel were discussed and after deliberation the committee decided not to increase the permissible nitrogen content without testing as decided in last meeting. The comments of JSW were agreed. The amendment was discussed and after deliberation and as pointed by Power Grid, the committee did not find any justification for increasing the chemical composition limits and decreasing the elongation values of existing grades. The committee thus decided to remove this from the proposed amendment. JSW informed that they shall provide justification for the same.</p> <p>During the last meeting justification received from JSW for amendment was</p>	<p>The document still needs to be wide circulated for 30 days.</p> <p style="text-align: center;"> Draft IS 2062 (Part 2).pdf</p> <p><b>The committee may note and decide.</b></p>



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		<p>discussed and after deliberation the committee agreed to the justification provided. The committee also discussed the comments received from DSP and the following decision was taken for the comments made</p> <p>Point 1 &amp; 2 was not agreed by the committee since there is no change in carbon equivalent.</p> <p>Point 3 was agreed by the committee and it was decided that in the amendment it will be mentioned that the elongation was for transverse/longitudinal direction.</p> <p>It was decided to circulate the revised amendment among the committee members for 21 days and incase no comments are received the same was to be sent for wide circulation for one month.</p> <p>The draft amendment was revised as per the comments received and agreed to by the committee and sent for circulation among the members of the committee on 14/10/2018. Following comments were received from Tata steel:</p> <div data-bbox="1003 906 1150 987" style="text-align: center;">  <p>Draft Amendment to IS 2062 tata steel.do</p> </div> <p>The comment received was discussed and committee after deliberation and reviewing the draft amendment decided to modify the amendment. The committee requested the member secretary to circulate the modified amendment placed at <b>Appendix 8</b> among members for 14 days. In case no comments are received the modified amendment will be sent for wide circulation for one month.</p> <p>The committee also deliberated and decided to include Quenched and Tempered grades for higher strength material for structural use. It requested the panel revising IS 2062 to consider incorporating quenched and tempered grades in the existing standard or consider a new standard on the same.</p>	




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		<p>The committee noted the information and after deliberation decided to refer the matter again to the panel and requested them to submit the draft revision of document within the period of two months. The Draft revision then received will be send in wide circulation for the period of one month in consultation with the Chairman.</p> <p>The comments of MTD for want of justification for the proposed changes seeking details of reference in national/International standards was awaited from the Panel (Appendix-17).</p> <p>The Committee took a note of the comments of MTD (Appendix-17) and requested convener of Panel-17 to submit the modified draft to the sub-committee within three weeks.</p> <p>Subcommittee reconstituted panel 7 and requested them to submit the P-Draft by 30<sup>th</sup> June 2022.</p> <p>The committee noted the status briefed by Sh G V Ramana on behalf of convenor Sh Devashish Mishra.</p> <p>The committee requested the I convenor of panel 7 to submit the report, indicating references of national/ international standards for the changes suggested for revision of the standard and also including the decision of the panel along with the changes therein against all the comments received from panel members, within 15 days from the date of finalization of the minutes.</p> <p>Also, it requested Member Secretary to circulate the P-draft on receipt of it from Panel Convener, to members of both MTD 4 and MTD 4:3, giving a time period of 21 days for inviting comments</p> <p>Meeting of panel 7 was held on 26 July 2022.</p> <p>Minutes of the meeting, Annex-1 to the minutes and draft standard for revision of IS 2062:2011 is placed at <b>Appendices- 3, 4 &amp; 5</b> (Pg 79, 80-84, 85-100).</p> <p>Member Secretary was advised to circulate the working draft along with</p>	

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		<p>the minutes inviting comments from members of both MTD 4:3 and MTD 4, giving them a time period of 15 days.</p> <p>The Committee was informed by the member secretary that no comments were received from subcommittee on the draft document during P-circulation culminated on 09 Dec 2022.</p> <p>Accordingly, the Committee agreed to send the draft standard, placed at Appendix-10 (Pg 102-109), for wide circulation for a period of 30 days.</p> <p>Draft for revision of IS 2062 is being sentfor wide circulation.</p> <p>Further, during subcommittee meeting held on 11 April 2023, Shri G. V. Ramana was requested to submit proposal for coming up with Q&amp;T structural steel, which is intended to be covered under a new standard IS 2062 Part 2.</p> <p>Committee noted the status and requested the Member Secretary to send the document for WC for 30 days within 15 days from the date of finalization of the minutes.</p> <p>Further, the Committee advised the Convenor of Panel 7 to hold a physical meeting in the Month of May 2023 and finalize the pending action(s) on priority.</p> <p>Subcommittee noted that the report was provided by the panel on account of its meeting held on 09 June 2023 and was given at Appendix-2.</p> <p>Further, the Subcommittee during its meeting held on 28 July 2023 requested the Convenor of Panel 7 to expedite action and submit the desired draft, as mentioned in the report, within 30 days from the date of finalization of the minutes.</p> <p>Draft standard for Q&amp;T structural received from the panel convenor is given below:</p>	

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		 <p>Draft IS 2062 (Part 2).pdf</p> <p>As the desired draft for formulation of Q&amp;T structural steel was circulated as addendum to the agenda, making it now feasible to revise IS 2062:2011 as IS 2062 Part 1 for non-alloy structural steels and IS 2062 Part 2 for Q&amp;T structural steels.</p> <p>Committee decided to send the draft finalized earlier during Dec 2022 for wide circulation for 30 days for revising IS 2062:2011 as IS 2062 Part 1 and to send the draft for wide circulation for a period of 60 days for the purpose of formulation of IS 2062 Part 2.</p> <p style="text-align: center;"><b>45<sup>th</sup> Meeting</b></p> <p>Documents were being sent for wide circulation.</p> <p>Committee noted the status that the documents would be sent for wide circulation for 30 days within a month from the date of finalization of the minutes.</p>	
7.	<p><b>IS 10748 : 2004</b></p> <p><i>Hot Rolled Steel Strip For Welded Tubes And Pipes</i></p>	<p>During the last meeting comments received from JSW on the proposal for amendment in IS 10748 received from Mr B B Prasad of Tata steel were discussed and after deliberation the committee agreed to the comments made. It was decided that Mr B B Prasad shall draft an amendment to IS 10748 based on the agreed comments. The draft amendment shall then be circulated within MTD4 and MTD 19 committee member for 21 days and incase no comments are received , the same shall be sent for wide circulation for one month.</p> <p>Draft amendment received from Mr. B. B. Prasad is given below</p>  <p>Amendment to IS10748.2017-R2. doc</p> <p>The committee discussed the draft amendment and after deliberation</p>	<p>No comments were received from the members on the draft document till date.</p>  <p>IS 10748 revision draft Dec2023.docx</p> <p><b>The committee may note and decide.</b></p>


SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		<p>decided to circulate the amendment among committee members of MTD 4 and MTD 19 for 21 days and if no comments are received send the draft amendment for wide circulation for one month.</p> <p>The committee took note of the status and requested Member Secretary to take action.</p> <p>Subcommittee examined the matter and requested Panel 7 to submit their report by 20 June 2022</p> <p>The Committee noted the status and requested Convenor of Panel 7 to submit their report within 15 days from the date of finalization of the minutes.</p> <p>Comments were received from AM/NS.</p> <p>Panel 11 is requested to dispose them off and submit the modified amendment.</p> <p>Panel Convenor was requested to submit the report by 30 Nov 2022.</p> <p>Report is awaited from Panel 7.</p> <p>Panel Convenor was requested to submit the report within 15 days from the date of finalization of the minutes.</p> <p>Committee noted the status and requested the panel convenor to expedite action on submitting the report.</p> <p>Report is awaited from Panel 7.</p> <p>Committee noted the status that convenor of Panel 7 Sought 45 days' time from 30 April 2023 to submit the report.</p> <p>Further, the Committee advised the Panel Convenor to hold a physical meeting in the Month of May 2023 and finalize the pending action(s) on priority.</p> <p>Report provided by the panel on account of its meeting held on 09 June 2023 is given at <b>Appendix-3</b>.</p>	

SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		<p>During the meeting held on 28 July 2023, Subcommittee requested the Convenor of Panel 7 to expedite action and submit the desired draft standard, as mentioned in the report, within 60 days from the date of finalization of the minutes.</p> <p>The Committee requested the panel convenor Sh Devasish Mishra(JSW) to submit the desired draft within 30 days from the date of finalization of the minutes.</p> <p style="text-align: center;"><b>45<sup>th</sup> Meeting</b></p> <p>Requested the panel convenor to submit the draft standard for revision of IS 10748.</p> <p>The draft received from the panel Convener was discussed in meeting and members were requested to examine the draft and share their comments by 29 Feb 2024.</p>	
8.	<p>Harmonization of Indian Standard with ISO standards</p>	<p>The Committee noted the status and advised Sub-Committee reconstitute the Panel -17 by substituting the retired or moved away personnel by the existing personnel representing the same organization in MTD 4.</p> <p>Further, the Sub-Committee to submit its recommendation to the Committee in due course.</p> <p>The matter has been referred to panel 7 with a request submit report to the subcommittee by 30<sup>th</sup> June 2022.</p> <p>The Committee noted the status and requested Convenor of Panel 7 to submit their report within 15 days from the date of finalization of the minutes.</p> <p>Report is awaited.</p> <p>Panel Convenor was requested to submit the report by 30 Nov 2022.</p> <p>Committee noted the status and requested the panel convenor to expedite action on submitting the report.</p> <p>Report is awaited from Panel 7.</p>	<p>The report is to be sent to SARSO.</p>

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		<p>Report provided by the panel on account of its meeting held on 09 June 2023 is given at <b>Appendix-3</b> to the agenda.</p> <p>Committee examined the report and requested member secretary to take it up with SARSO accordingly during its next meeting.</p> <p>Requested Member Secretary to prepare a report to be shared with SARSO Secretariat.</p> <p style="text-align: center;"><b>45<sup>th</sup> Meeting</b></p> <p>Committee considered the request of Member Secretary for sending the report to SARSO within 90 days from the date of finalization of the minutes.</p>	
9.	Documents sent for wide circulation	<p><b>New:</b></p> <p><b>MTD 4 23033</b> Hot-Dip Zinc- Aluminium-Magnesium Alloy Coated Steel Sheets Plates and Strips</p> <p><b>Revisions:</b></p> <p><b>MTD 4 23040</b> Steel Plates And Strips For Pressure Vessels Used At Moderate And Low Temperature</p> <p><b>MTD 4 22804</b> Hot Dip Aluminium-Zinc Alloy Metallic Coated Steel Strip And Sheet</p> <p><b>MTD 4 23086</b> Steel Plate For Pressure Vessel For Intermediate And High Temperature Service Including Boilers</p> <p><b>MTD 4 22863</b> Continuously Prepainted Galvanized Steel Sheets&amp; Strips</p> <p><b>MTD 4 22826</b> Pre-Painted Aluminium Zinc Alloy Metallic Coated Steel Strip And Sheet</p> <p>Comments were received from for all the above documents.</p> <p>Report is awaited for all the documents with exception for MTD 4 23086, MTD 4 23040.</p> <p style="text-align: center;"><b>45<sup>th</sup> Meeting</b></p>	<p>Report on comments received during WC is still awaited from Panel convenor on documents MTD/04/22826 and MTD/04/22804.</p> <p style="text-align: center;"> Comment detail_MTD 04 (2282)</p> <p>1.</p> <p style="text-align: center;"> Comment detail_MTD 04 (2280)</p> <p>2.</p> <p style="text-align: center;"> Comment detail_MTD 04 (2280)</p> <p>Following documents have been published:</p>

SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		<p>Sent the following documents for print:</p> <p>MTD 4 23033            MTD 4 23040            MTD 4 23086            MTD 4 22863            MTD 4 11513            MTD 4 13189</p> <p>Report was awaited from panel convenor on documents MTD 4 22826 and MTD 4 22804.</p> <p>Committee noted that the following documents were sent for printing:</p> <p><b>MTD 4 23033</b>  <b>MTD 4 23040</b>  <b>MTD 4 23086</b>  <b>MTD 4 22863</b>  <b>MTD 4 11513</b>  <b>MTD 4 13189</b></p> <p>Committee requested the panel convenor to submit report on comments received on WC drafts of <b>MTD/04/22826</b> and <b>MTD/04/22804</b> within 60 days from the date of finalization of the minutes.</p>	<p>1. <b>MTD/04/23033</b> - IS 18513 : 2023</p> <p>2. <b>MTD/04/22863</b> - IS 14246 : 2024</p> <p>3. <b>MTD/04/11513</b> - IS 513 (Part 2) : 2016 - Amendment No 1</p> <p>4. <b>MTD/04/13189</b> - IS 513 (Part 1) : 2016 - Amendment No 2</p> <p>Following documents are under publication department for printing:</p> <p>1. <b>MTD/04/23040</b>            2. <b>MTD/04/23086</b></p>
10.	<b>Comments on IS 648 : 2022</b>	<p>M/s Posco Maharashtra Ltd was requested to submit draft amendment for IS 648:20222 for inclusion of the grade 35PN440.</p> <p>Committee noted the status during its meeting held On 28.04.2023.</p> <p>Draft amendment received from Panel 2 is being examined.</p> <p>Committee noted the information and requested the panel convenor to expedite the matter.</p>	<p>The document still needs to be wide circulated for 30 days.</p> <p><b>The committee may note and decide.</b></p>





SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		<p style="text-align: center;"><b>45<sup>th</sup> Meeting</b></p> <p>Draft amendment No. 1 was circulated along with the agenda, as recommended by subcommittee during its meeting held on 08 Dec 2023.</p> <p>Committee agreed with the recommendation of the Subcommittee recommended to send the draft document for WC for 30 days.</p>  <p>IS 648 draft Amd 1.docx</p>	
11.	<b>Comments on IS 3024</b>	<p>Request was received from ITMA for inclusion of 0.20 mm thickness. Matter was referred to Panel 2.</p> <p>Draft amendment received from Panel 2 is being examined.</p> <p style="text-align: center;"><b>45<sup>th</sup> Meeting</b></p> <p>Report was requested from the Panel Convener.</p> <p>Committee requested the panel convener to submit the report within 30 days from the date of finalization of the minutes.</p>	<p>A meeting of Panel 2 was held on 16 April 2024 to discuss the comment received from ITMA for introducing thicknesses 0.18 mm and 0.20 mm and the panel members agreed to include these thickness grades.</p> <p><b>The committee may note and decide.</b></p>
12.	<b>Comments on IS 277</b>	<p>The subcommittee deliberated on the comments from M/s Posco Ltd on IS 277:2018 and agreed to issue an amendment so that irrelevant content on publishing of new standard on galvanized steels for automobiles could be deleted from IS 277:2018.</p> <p>Contents of the Draft amendment were finalized.</p> <p style="text-align: center;"><b>45<sup>th</sup> Meeting</b></p> <p>Draft Amendment No.2 was prepared and circulated along with the agenda as recommended by the subcommittee during its meeting held on 08 Dec 2023. needs to be prepared and circulated.</p> <p>Committee agreed with the recommendation of the Subcommittee recommended to send the draft document for WC for 30 days. See,</p>	<p><b>The document still needs to be wide circulated for 30 days.</b></p> <p><b>The committee may note and decide.</b></p>

SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		Appendix-3, Pg 56.	
13.	<p><b>New Standard</b>  <i>Hot-rolled medium and high carbon steel sheets, plates and strip</i></p>	<p>Report received from intern was shared with members.                      Committee agreed to formulate standards on the new subject.  <b>45<sup>th</sup> Meeting</b>                      During special TC meeting held on 10 Nov 2023, committee agree to commission a R&amp;D project proposal and finalized terms of reference for the same.                      Committee noted that the ToR was submitted to screening committee of BIS.</p>	<p>Bids have been received on the ToR floated which will be taken up by screening committee.   <b>The committee may note.</b></p>
14.	<p><b>Revision of IS 1875:1992</b>  <i>Carbon steel billets, blooms, slabs and bars for forgings</i></p>	<p>The following panel was formed for revision of IS 1875:</p> <ol style="list-style-type: none"> <li>1. Mr. D. Karmarkar SAIL – Convenor</li> <li>2. Mr. Sanjay Roy, RINL - Member</li> <li>3. Mr. Devashish Mishra, JSW – Member</li> <li>4. Mr. P.K. Biswal, Kalyani Carpenter Special Steel Ltd, Pune – Member</li> <li>5. Mr. Dinesh Singh,</li> <li>6. Vardhman Steel – Member</li> <li>7. Dr M Krishnamurthy, CQA(metals) – Member</li> <li>8. Member from DSP</li> </ol> <p>During the last meeting the comments received from Vardhman steel were discussed and agreed. Based on the comments and the discussion held in the meeting, it was decided to revise draft of IS 1875 and Mr Karmarkar was requested to send the revised draft to BIS. The revised draft thus received was to be sent for wide circulation for one month. The committee noted the information and requested the panel again to send the revised draft to BIS by 30 April 2019 and the document thus received shall be sent for wide circulation for one month. Comments on the draft were circulated to Panel</p>	<p><b>The document still needs to be wide circulated for 30 days.</b>   <b>The committee may note and decide.</b></p>

SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		<p>Convener on 25 June 2021. Modified draft was awaited. Member Secretary informed the committee about co - existence of the grades of IS 1875 in IS 13352, an Indian Standard covering steel produced through continuous casting route. The Committee noted the observations and advised Panel-4 to submit the modified draft to the Sub -Committee within one month. Also, the Sub - Committee was advised by the Committee to reconstitute the panel by getting revised nominations from SAIL - RDCIS and byalso inducting SAIL –ISP (Sh SK De). The subcommittee during its meeting held on 28 June 2022 deliberated on the need for having IS 1875 and agreed that the standard should continue to serve steel stock for forging quality produced through ingot route.</p> <p>Accordingly, it reconstituted the panel 4 and requested them to share P-draft within <b>three months</b> for reviewing both IS 1875 and IS 13352. Composition of reconstituted panel 4 was mentioned below:</p> <ol style="list-style-type: none"> <li>1. SAIL RDCIS, Sh S. K. Jha, convenor</li> <li>2. Saarloha Steels Ltd,</li> <li>3. JSW, Salem</li> <li>4. Tata Steel Long products, Dr T. Bhaskar</li> <li>5. Bharat forge</li> <li>6. CHW forge</li> <li>7. Forging Manufacturers association</li> <li>8. L&amp;T</li> <li>9. Mukand Sumi Steels Ltd</li> </ol> <p>The Committee noted the status and recommended to have Sh S K De (SAIL-ISP) as convenor of Panel 4 replacing Sh S K Jha SAIL-RDCIS.</p> <p>Also, it requested the panel on reviewing the proposal of having individual standards on Steels for forging stock both for continuous casting and ingot</p>	

SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		<p>route respectively.</p> <p>Report awaited from Panel 4.</p> <p>Convenor of Panel 4 was requested to expedite action and share the report within 45 days from the date of finalization of the minutes.</p> <p>Nominations were obtained from AIFI. Nominations were still awaited from saarloha, CHW forge and L&amp;T.</p> <p>Further, meeting of Panel 4 was held on 02 March 2023. On the basis of panel report (<b>Appendix-1, pg 48</b>) and the draft (<b>Appendix-2, pg 49-66</b>), subcommittee recommended for sending the draft document for wide circulation.</p> <p>Committee agreed to send the document for wide circulation. However, it advised Member Secretary to obtain consent from members of MTD 16 on the proposal for wide circulation.</p> <p>The draft was shared with members of MTD 16 during its 25th meeting held on 11 May 2023.</p> <p>It is informed that no comments were received from members.</p> <p>However, Panel Convenor Sh Saikat De, who was also a member of MTD 16, informed the members that the draft presently was devoid of the grades mentioned in the standards IS 5517(Q&amp;T), IS 4432 (case hardening) and IS 3930(Flame and Induction hardening). Accordingly, the Subcommittee agreed to incorporate them and requested Sh Saikat De to provide the draft within two days so that the same could be circulated as Addendum to the minutes. Draft received from Sh Saikat De was examined and shared with the members.</p> <p>The draft was also discussed with the members of MTD 4 during its 44<sup>th</sup> meeting held on 22 Sep 2023.</p> <p>Committee agreed to send the draft given below for wide circulation for a period of 30 days.</p>	

SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		 <p>IS 1875 draft.pdf</p> <p>However, it advised member Secretary to seek prior consent from MTD 16 for WC.</p> <p style="text-align: center;"><b>45<sup>th</sup> Meeting</b></p> <p>As, desired by the TC, consent was obtained from MTD 16 during its 26th meeting held on 12 Oct 2023.</p> <p>Committee noted the status that the document is being sent for wide circulation for 30 days.</p>	
15.	<p><b>Amendment No.2 to IS 280:2006</b></p> <p><i>Mild steel wire for general engineering purposes</i></p> <p><b>Doc No.: MTD/04/24300</b></p>	<p>The committee after deliberation decided that MTD 24 may be requested to consider revision of IS 4826 based on ISO 7989 on priority, since IS 280 is proposed to come under Mandatory certification. The committee also decided the following two members may also be allowed to participate in MTD 24 meeting when revision of IS 4826 is discussed.</p> <p>Mr Nirmal Saraf - SWMAI</p> <p>Mr Shishir Desai – Tata steel Wires division.</p> <p>The committee noted the information. Revised draft for revision of IS 280 was tabled by Shri Shishir Desai and is placed at Appendix 15. The committee deliberated over the document and decided to send the document for wide circulation for one month.</p> <p>This issue was discussed in the meeting of MTD 24 and the committee after deliberation decided that since IS 4826 is cross referred in 18 Indian Standards it would not be appropriate to make any changes in the same. The committee suggested that the changes may be incorporated in the product standard i.e, IS 280 if agreed by MTD 4 committee.</p> <p>The committee noted the status and requested member secretary to</p>	<p>The document was circulated in WC for 30 days, inviting comments till 04 January 2024. The comment received has been placed below:</p> <p style="text-align: center;">                       Comment detail_MTD                      04 (24300).pdf                 </p> <p style="text-align: center;"><b>The committee may deliberate and decide.</b></p>

SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		<p>circulate the P-draft to its members as well alongside members of MTD 4:2.</p> <p>As only one clause was being modified through the proposed revision, it was put forward by Shri Shishir Desai to consider amendment instead of revision. Draft amendment has been prepared considering the above and comments received from CMD-II raising concern on coating requirements for galvanized wire of sizes under 0.2 mm and over 10mm.</p> <p>Draft amendment received from Shri Shishir Desai on 3<sup>rd</sup> April 2020 is placed at <b>Appendix-12 (Pg 157-158)</b>.</p> <p>Further, the Committee advised Sub-Committee to decide on the matter.</p> <p>The subcommittee examined the comments of MTD and agreed that there was need to specify coating requirements for electrogalvanized wires as well.</p> <p>Further, the members were informed about technological developments in production of EG wires upto 300gsm, at par with HDG wires.</p> <p>Accordingly, the members agreed to modify cl 11 of draft amendment so that requirements reproduced from IS 4826 holds applicable to zinc coating wires regardless of them being HDG or EG.</p> <p>Member secretary was requested to modify the amendment and do P-circulation among member within 21 days from the date of finalization of the minutes.</p> <p>Draft amendment was shared as addendum to the agenda.</p> <p>During the meeting, Sh Shishir Desai expressed that the draft amendment circulated as an addendum to the agenda comprised of requirements as per IS 4826, which were obsolete, instead of the desired requirements prevalent in the industry, which were as per ISO 7989-2. Also, it was informed to the members that the draft amendment circulated during Dec 2020 was comprising of requirements as per ISO 7989-2.</p> <p>The subcommittee examined the requirements and recommended to send</p>	

SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		<p>the modified draft amendment for wide circulation with prior approval of MTD4.</p> <p>Subcommittee was informed that the Draft amendment was being sent for wide circulation.</p> <p>Committee noted the status and requested the member secretary to send the document for wide circulation for 30 days within 30 days from the date of finalization of the minutes.</p> <p>The Committee requested the Member secretary to send the document for WC for 30 days within 15 days from the date of finalization of the minutes.</p> <p style="text-align: center;"><b>45<sup>th</sup> Meeting</b></p> <p>Document was sent to for WC inviting comments till 04 Jan 2024.</p> <p>Committee in the 45<sup>th</sup> meeting noted that document was sent to for WC inviting comments till 04 Jan 2024.</p>	
16.	<p><b>Revision of IS 9550 : 2001</b></p> <p><i>Bright bars</i></p> <p><b>Doc No.: MTD/04/24046</b></p>	<p>The subcommittee examined the comments received on IS 9550 from various organizations. It decided to refer the matter to panel constituted at Item 4.3 above with a request to dispose of the comments within 3 months.</p> <p>Report awaited.</p> <p>Subcommittee noted the status and requested the panel convenor to submit the report within 45 days from the date of finalization of the minutes.</p> <p>Committee noted the status and requested the panel convenor to expedite action.</p> <p>Panel 28 held its meeting on 07 July 2023.</p> <p>Report of the panel was shared with subcommittee during its meeting held on 14 July 2023.</p> <p>Subcommittee deliberated on the draft standard. The resultant draft incorporating the change is given at <b>Appendix-6 (Pg 77-90)</b>.</p>	<p>The document has been finalized and sent for printing.</p> <p><b>The committee may note.</b></p>

SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		<p>Committee agreed to send the draft given at Appendix-7(Pg 159-172), for wide circulation for a period of 30 days.</p> <p style="text-align: center;"><b>45<sup>th</sup> Meeting</b></p> <p>Document was sent for WC inviting comments till 11 Dec 2023.</p> <p>Committee agreed with the recommendation of the subcommittee for having a working group comprising Sivakumar (JSW) Member Secretary, Saikat De (Sail-ISP), Sunita Minz (Sail-Bokaro) and B M Hasan to dispose off the comments received during WC and submit the revised draft within 15 days from the date of finalization of the minutes.</p>	
17.	<p>Comments received on IS 4824 : 2022</p>	<p>Subcommittee noted the status and requested the Panel comprising of Shri Nirmal Saraf(convenor), Shri Shishir Desai and others on wires to examine the comments and share their report at the earliest.</p> <p>Committee noted the status and requested panel convenor to expedite action.</p> <p style="text-align: center;"><b>45<sup>th</sup> Meeting</b></p> <p>Committee noted the status that the report is still awaited from the panel convenor.</p>	<p>The report is still awaited from the panel convenor.</p>
18.	<p>Revision of pre-2000 standards for which ARP was received</p>	<p>Some of the old standards falling in this category were allocated to officers in branch offices and other activities of BIS, preferably, metallurgists, for 'Action Research' for review and preparation of working draft(s). Also, for one among the three standards allotted to the officer as action research, he/she will be executing the role as Member Secretary for the standard allotted during first tranche.</p> <p style="text-align: right;">For</p> <p>action research reports received so far, the subcommittee constituted three panels one each for Semis, Bars &amp; Rods and Wires with Sh S K Jha(SAIL-RDCIS), Sh B M Hasan (JSW, Salem) and Sh Nirmal Saraf as the panel convenor respectively. Further, the panel convenors were requested to choose appropriate members for having on board of the panel, ensuring balanced composition, and submit their recommendations to the</p>	<p>Draft documents from Shri Nirmal Saraf are still awaited.</p>



SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		<p>subcommittee within three months' time. Reminders were sent to Panel Convenors.</p> <p>Subcommittee requested the convenor of the Panel for reviewing IS 2100 Sh S K Jha(SAIL-RDCIS) submit their recommendations within 15 days from the date of finalization of the minutes.</p> <p>Shri Nirmal Saraf, Panel Convenor for dealing with standards on wires, expressed that old standards on wires for various applications should be allowed to continue instead of merging them with IS 280 or any other standard, as they provide necessary guidance to the user industry, which predominantly comprises MSME. Further, subcommittee requested the convenor of the Panel for reviewing 10 old standards on wires for various applications Sh Nirmal Saraf(SWMAI) to submit their recommendations within 15 days from the date of finalization of the minutes. Committee noted the status and requested panel convenor to expedite action.</p> <p>Draft of 10 ISS were shared with Shri Nirmal Saraf on 28 Feb 2023.</p> <p>Committee noted that the report was still awaited.</p> <p>Also, report was still awaited from Shri S K Jha for IS 2100.</p> <p style="text-align: center;"><b>45<sup>th</sup> Meeting</b></p> <p>Committee agreed with the ToR, which was prepared for revision of IS 2100 and submitted to screening committee of BIS. See Appendix-4, Pg 57-61.</p> <p>Also, it requested the panel convenor Shri Nirmal Saraf to provide the 10 drafts within 15 days of the finalization of the minutes.</p>	
19.	Comments received against IS 4454 (Part.1)	<p>The subcommittee examined the comments received on IS 4454 Pt.1 and decided to refer the matter to panel 28 with a request to review the standard and submit their recommendation within three months' time.</p> <p>Report awaited.</p> <p>Subcommittee noted the status and requested the panel convenor to submit the report within 45 days from the date of finalization of the</p>	The report from Panel convenor is still awaited.

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SI No.	Subject	Decision taken in past meetings	Action taken on the decisions of 45 <sup>th</sup> TC Meeting
		Minutes.  <b><u>45<sup>th</sup> Meeting</u></b>  Committee noted the status that the report is still awaited from the panel Convenor.	

**Annex-II**  
**(Item 3.5)**

SI No.	Organization	Member Name	43 <sup>rd</sup>	44 <sup>th</sup>	45 <sup>th</sup>	Total
1.	Steel Authority Of India Limited (SAIL), Research & Development Centre for Iron & Steel, Ranchi	Shri Nirvik Banerjee (Chairperson) Shri S. Srikanth (Alternate Member) Shri P. Pathak (Principal Member)	P	P	P	3/3
2.	AM/NS India, Hazira	Shri Deepak Gupta (Principal Member) Shri Kalpesh Dave (Alternate Member)	P	P	P	3/3
3.	Bharat Heavy Electrical Limited, New Delhi	Shri Arun Khare (Alternate Member) Shri S. K. Mahajan (Principal Member)	A	A	P	1/3
4.	Cold Rolled Steel Manufacturers Association of India, New Delhi	Shri N.K Sood (Alternate Member) Shri Shivajee Pathak (Principal Member)	A	P	P	2/3
5.	Directorate General of Quality Assurance, Ministry of Defence, Ichapur	Shri K Yadav (Principal Member) Shri Jana Bhattacharaya Roy (Alternate Member)	P	P	P	3/3
6.	Indian Steel Association, Delhi	Shri Ravinder Kumar Bhan (Principal Member) Shri Anup kashayap (Alternate Member)	A	A	P	1/3
7.	JSW Salam, Tamil Nadu	Shri B M Hasan (Principal Member) Shri S Sivakumar (Alternate Member)	P	P	P	3/3
8.	JSW Steel Limited, Bellary	Shri Devasish Mishra (Principal Member) Shri G V Ramana (Alternate Member)	P	P	P	3/3
9.	JSW Steel Limited, Raigad	Shri Amit kundu (Principal Member) Shri Chanchal Kumar Karmakar (Alternate Member)	P	A	P	2/3
10.	Jindal Steel and Power Limited, New Delhi	Shri Moreshwar Borkar (Principal Member) Shri Joy Dutta (Alternate Member)	A	A	P	1/3
11.	Ministry of Ports, Shipping and Waterways, New Delhi	Shri Ramji Singh (Alternate Member) Shri Anil Pruthi (Principal Member)	P	P	P	3/3
12.	Ministry of Steel, New Delhi	Shri Parmjeet Singh (Principal Member) Shri Bhagirathi Pradhan (Alternate Member)	P	P	P	3/3

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SI No.	Organization	Member Name	43 <sup>rd</sup>	44 <sup>th</sup>	45 <sup>th</sup>	Total
13.	Rashtriya Ispat Nigam Limited, Visakhapatnam	Ms. Ruchira Gupta (Principal Member) Shri S K Seet (Alternate Member)	A	P	P	2/3
14.	Research Designs and Standards Organization (RDSO), Lucknow	Shri Manoj Kumar Gupta (Principal Member) Shri Shailesh Oraon (Alternate Member)	A	A	P	1/3
15.	Society of Indian Automobile Manufacturers (SIAM), Delhi	Shri Amit Kumar (Principal Member) Ms Kanishka Chana (Alternate Member)	P	P	P	3/3
16.	Steel Authority Of India Limited, IISCO Steel Plant, Barddhaman	Shri Saikat De (Principal Member) Ms. Preeti Dewangan (Alternate Member)	P	P	P	3/3
17.	Steel Authority of India Limited (SAIL) Rourkela Steel Plant, Rourkela	Shri Kuntal Patwari (Principal Member) Shri Ramakrishnan R (Alternate Member)	A	A	P	1/3
18.	Steel Authority of India Limited, Bhilai Steel Plant, Bhilai	Shri Shrirang khankhoje (Principal Member) Shri K.V. Shankar (Alternate Member)	P	A	P	2/3
19.	Steel Authority of India Limited, Bokaro Steel Plant, Bokaro Steel City	Ms. Biswasi Sunita Minz (Principal Member) Shri Roselin Dodrae (Alternate Member)	P	P	P	3/3
20.	Tata BlueScope Steel Private Limited, Bengaluru	Shri Ved Prakash (Principal Member)	A	P	P	2/3
21.	Tata Motors Limited, Pune	Shri Lokesh Paliwal (Alternate Member) Shri Tushar Baviskar (Alternate Member)	P	A	P	2/3
22.	Tata Steel Limited, Jamshedpur	Shri Avtar Singh Saini (Principal Member) Shri Sudipto Sarkar (Alternate Member)	P	P	P	3/3
23.	The Tinsplate Company of India Limited, Jamshedpur	Shri Sourajyoti Dey (Principal Member) Shri Subrata Sadhu (Alternate Member)	P	A	P	2/3
24.	Thyssenkrupp Electrical Steel India Private Limited, Nashik	Shri Kapil Kapoor (Principal Member)	A	P	P	2/3

Annex-III(Item 6)

Sl No.	IS No.	Title
1.	IS 10181 : 1982	Method for determination of magnetic permeability of iron and steel
2.	IS 10206 : 1982	Methods of sampling steel wires
3.	IS 1029 : 1970	Specification for hot-rolled steel strip (Baling) (First Revision)
4.	IS 10340 : 1982	Glossary of terms for cold-reduced tinplate and cold-reduced blackplate
5.	IS/ISO 10474 : 2013	Steel And Steel Products Inspection--Documents
6.	IS 10748 : 2004	Hot - Rolled steel strip for welded tubes and pipes - Specification (Second Revision)
7.	IS 1079 : 2017	Hot rolled carbon steel sheet, plate and strip - Specification (Seventh Revision)
8.	IS 10794 : 1984	Specification for mild steel wire for cotter pins
9.	IS 1136 : 2008	Preferred sizes for wrought metal products (Third Revision)
10.	IS 1148 : 2009	Steel Rivet Bars (medium And High Tensile)--For Structural Purposes--For Structural Purposes
11.	IS 11513 : 2017	Hot rolled carbon steel strip for cold rolling purposes - Specification (Second Revision)
12.	IS 11587 : 1986	Specification for structural weather resistant steels
13.	IS/ISO 11951 : 2016	Cold - Reduced tinmill products - Blackplate (First Revision)
14.	IS 12262 : 1988	Specification for trapezoidal steel wire for spring washers
15.	IS 12367 : 1988	Specification for cold - Rolled carbon steel strips/coils for manufacture of welded tubes
16.	IS 12457 : 1988	Code of practice for evaluation, repairs and acceptance limits of surface defects in steel plates and wide flats
17.	IS 12591 : 2018	Cold - Reduced tinmill products - Electrolytic chromium / chromium oxide - Coated steel (Second Revision)
18.	IS 13566 : 1992	Recommended practice of pickling by H2so4 levelling and oiling of lpg sheets
19.	IS 13752 : 1993	Guidelines for reporting sequence of elements in steel and pig iron and mechanical properties in steels
20.	IS 1387 : 1993	General requirements for the supply of metallurgical materials (Second Revision)
21.	SP 14 : 1976	Index to steel designations
22.	IS 14246 : 2024	CONTINUOUSLY PRE-PAINTED GALVANIZED STEEL SHEETS AND STRIPS - SPECIFICATION Second Revision
23.	IS 14246 : 2013	Continuously pre-painted galvanized steel sheets and coils (First Revision)
24.	IS/ISO 14284 : 1996	Steel and iron - Sampling and preparation of samples for the determination of chemical composition
25.	IS 14650 : 2023	UNALLOYED AND ALLOYED STEEL INGOT AND SEMI-FINISHED PRODUCTS FOR RE-ROLLING PURPOSES - SPECIFICATION (First Revision)
26.	IS 14650 : 1999	Carbon steel cast billet ingots, billets, blooms and slabs for re-rolling purposes - Specificaation
27.	IS 15103 : 2002	Fire resistant steel - Specification

SI No.	IS No.	Title
28.	IS 15391 : 2003	Cold rolled non - Oriented electrical steel sheet and strip-semi-processed type - Specification
29.	IS 15647 : 2006	Hot rolled steel narrow width strip for welded tubes and pipes
30.	IS 15911 : 2010	Structural steel (Ordinary Quality) - Specification
31.	IS 15914 : 2011	High tensile strength flat rolled steel plate (Up To 6 Mm), sheet and strip for the manufacture of welded gas cylinder - Specification
32.	IS 15961 : 2012	Hot dip aluminium - Zinc alloy metallic coated steel strip and sheet (Plain)
33.	IS 15962 : 2012	Structural steels for buildings and structures with improved seismic resistance
34.	IS 15965 : 2012	Pre - Painted aluminium zinc alloy metallic coated steel strip and sheet (Plain)
35.	IS/ISO 16124 : 2015	Steel Wire Rod - Dimensions and Tolerances
36.	IS/ISO 16160 : 2012	Hot-rolled steel sheet products Dimensional and shape tolerances
37.	IS/ISO 16162 : 2012	Cold - Rolled steel sheet products - Dimensional and shape tolerances (First Revision)
38.	IS/ISO 16163 : 2012	Continuously hot - Dipped coated steel sheet products - Dimensional and shape tolerances (First Revision)
39.	IS 16585 : 2016	Magnetic materials - Specification for individual materials - Fe - Based amorphous strip delivered in the semi - Processed state
40.	IS 16585 : 2023	MAGNETIC MATERIALS SPECIFICATIONS FOR INDIVIDUAL MATERIALS Fe-BASED AMORPHOUS STRIP DELIVERED IN THE SEMI-PROCESSED STATE
41.	IS 16586 : 2024	Magnetic materials - Methods of measurement of the magnetic properties of Fe-based amorphous strip by means of a single sheet tester first revision
42.	IS 1673 : 1984	Specification for mild steel wire, cold heading quality (Second Revision)
43.	IS 16732 : 2019	Galvanized structural steel - Specification
44.	IS 16998 : 2018	Hot - Rolled steel plates - Tolerances on dimensions and shape
45.	SP 17 : 1979	Glossary of terms relating to iron and steel
46.	IS 17404 : 2020	Electrogalvanized Hot Rolled and Cold Reduced Carbon Steel Sheets and Strips - Specification
47.	IS 1762 (Part 1) : 1974	Code for designation of steels: Part 1 based on letter symbols (First Revision)
48.	IS 1812 : 1982	Specification for carbon steel wire for the manufacture of wood screws (Second Revision)
49.	IS 18316 : 2023	HOT ROLLED AND COLD ROLLED STEEL STRIPS INTENDED FOR PROCESSING OF SEMIFULLY PROCESSED NON-GRAIN ORIENTED ELECTRICAL STEEL OR FULLY PROCESSED GRAIN ORIENTED ELECTRICAL STEEL SPECIFICATION
50.	IS 1835 : 1976	Specification for round steel wire for ropes (Third Revision)
51.	IS 18384 : 2023	Hot-Rolled Steel Strip, Sheet and Plates for Welded Steel Pipe for Pipeline Transportation Systems - Specification
52.	IS 18385 : 2023	Hot- Dip galvanized/galvannealed Steels Sheet and strips for Automotive Applications- Specification
53.	IS 18513 : 2023	Hot-Dip Zinc- Aluminium-Magnesium Alloy Coated Steel Sheets Plates and Strips - Specification
54.	IS 1852 : 1985	Specification for rolling and cutting tolerances for hot - Rolled steel products

Sl No.	IS No.	Title
		(Fourth Revision)
55.	IS 1875 : 1992	Carbon steel billets, blooms, slabs and bars for forgings - Specification (Fifth Revision)
56.	IS 1956 (Part 2) : 2018	Glossary of terms relating to iron and steel: Part 2 steel making (Second Revision)
57.	IS 1956 (Part 3) : 2019	Glossary of terms relating to iron and steel: Part 3 long products (Including Bars, Rods, Sections And Wires) (Second Revision)
58.	IS 1956 (Part 4) : 2013	Glossary of terms relating to iron and steel: Part 4 flat products (Second Revision)
59.	IS 1990 : 2009	Steel rivet and stay bars for boilers (Second Revision)
60.	IS 1993 : 2018	Cold - Reduced tinmill products - Electrolytic tinplate (Fifth Revision)
61.	IS 2002 : 2009	Steel plate for pressure vessel for intermediate and high temperature service including boilers (Third Revision)
62.	IS 2041 : 2009	Steel plates for pressure vessels used at moderate and low temperature - Specification (Third Revision)
63.	IS 2049 : 1978	Colour code for the identification of wrought steels for general engineering purposes (First Revision)
64.	IS 2062 : 2011	Hot rolled medium and high tensile structural steel - Specification (Seventh Revision)
65.	IS 2100 : 1970	Specification for steel billets, bars and sections for boilers (First Revision)
66.	IS 2255 : 1977	Specification for mild steel wire rod for the manufacture of machine screws (By Cold Heading Process) (Second Revision)
67.	IS 2385 : 1977	Specification for hot - Rolled mild steel sheet and strip in coil form for cold - Reduced tinplate and cold - Reduced blackplate (First Revision)
68.	IS 2507 : 1975	Specification for cold - rolled steel strips for springs (First Revision)
69.	IS 2549 : 2023	Processed Ferrous Scrap - Code for Classification ( Second Revision)
70.	IS 2589 : 1975	Specificaion for hard drawn steel wire for upholstery springs (First Revision)
71.	IS 2591 : 1982	Dimensions for hot rolled steel bars for threaded components (Second Revision)
72.	IS 277 : 2018	Galvanized steel strips and sheets (Plain And Corrugated) - Specification (Seventh Revision)
73.	IS 279 : 1981	Specification for galvanized steel wire for telegraph and telephone purposes (Third Revision)
74.	IS 280 : 2006	Mild steel wire for general engineering purposes (Fourth Revision)
75.	IS 2830 : 2012	Carbon steel cast billet ingots, billets, blooms and slabs for re-rolling into steel for general structural purposes - Specification (Third Revision)
76.	IS 2831 : 2012	Carbon steel cast billet ingots, billets, blooms and slabs for re-rolling into structural steel (Ordinary Quality) - Specification (Fourth Revision)
77.	IS 2879 : 1998	Mild steel for metal arc welding electrodes - Specification (Third Revision)
78.	IS 3024 : 2015	Grain oriented electrical steel sheet and strip (Third Revision)
79.	IS 3039 : 2024	STRUCTURAL STEEL FOR CONSTRUCTION OF SHIPS - SPECIFICATION (Third revision)
80.	IS 3039 : 1988	Specification for structural steel for construction of hulls of ships (Second Revision)

SI No.	IS No.	Title
81.	IS 3195 : 1992	Steel for the manufacture of volute and helical springs (For Railway Rolling Stock) - Specification (Third Revision)
82.	IS 3298 : 1981	Specification for mild steel rivet bars for ship building (First Revision)
83.	IS 3502 : 2009	Steel chequered plates (Third Revision)
84.	IS 3885 (Part 1) : 1992	Steel for the manufacture of laminated springs (Railway Rolling Stock): Part 1 flat sections - Specification (Second Revision)
85.	IS 3885 (Part 2) : 1992	Steel for the manufacture of laminated springs (Railway Rollingstock): Part 2 rib and groove sections (Second Revision)
86.	IS 3975 : 1999	Low carbon galvanized steel wires, formed wires and tapes for armouring of cables - Specification (Third Revision)
87.	IS 4072 : 1975	Specification for steel for spring washers (First Revision)
88.	IS 412 : 1975	Specification for expanded metal steel sheets for general purposes (Second Revision)
89.	IS 4223 : 1975	Steel Wire For Umbrella Ribs
90.	IS 4224 : 1972	Specification for steel wire for staples, pins and clips (First Revision)
91.	IS 4397 : 1999	Cold - Rolled carbon steel strips for ball and roller bearing cages retainers - Specification (Second Revision)
92.	IS 4454 (Part 1) : 2001	Steel wire for mechanical springs - Specification: Part 1 cold drawn unalloyed steel wire (Third Revision)
93.	IS 4454 (Part 2) : 2001	Steel wire for mechanical springs - Specification february 2001: Part 2 oil hardened and tempered steel wire (Second Revision)
94.	IS 4824 : 2022	Bead wires for tyres - Specification
95.	IS 4882 : 1979	Specification for low carbon steel wire for rivets for use in bearing industry (First Revision)
96.	IS 513 (Part 1) : 2016	Cold reduced carbon steel sheet and strip: Part 1 cold forming and drawing purpose (Sixth Revision)
97.	IS 513 (Part 2) : 2016	Cold reduced carbon steel sheet and strip: Part 2 high tensile and multi - Phase steel (Sixth Revision)
98.	IS 5478 : 1969	Specification for thermostat metal sheet and strip
99.	IS 5872 : 1990	Cold rolled steel strips (Box Strappings) - Specification
100.	IS 5986 : 2017	Hot rolled steel sheet, plate and strip for forming and flanging purposes - Specification (Fourth Revision)
101.	IS 6240 : 2008	Hot rolled steel plate (Up To 6 Mm) sheet and strip for the manufacture of low pressure liquefiable gas cylinders (Fourth Revision)
102.	IS 648 : 2022	Cold rolled non-oriented electrical steel sheet and strip - Fully processed type - Specification Sixth Revision
103.	IS 649 : 1997	Methods of testing steel sheets for magnetic circuits of power electrical apparatus (Second Revision,)
104.	IS 6902 : 1973	Specification for steel wire for spokes
105.	IS 6967 : 1973	Specification for steels for electrically welded round link chains
106.	IS 7226 : 1974	Specification for cold - Rolled medium, high carbon and low alloy steel strip for general engineering purposes
107.	IS 7283 : 1992	Hot - Rolled bars for the production of bright bars and machined parts for engineering applications specification (First Revision)



Sl No.	IS No.	Title
108.	IS 7557 : 1982	Specification for steel wire (Up To 20 Mm) for the manufacture of cold - Forged rivets (First Revision)
109.	IS 7598 : 1990	Classification of steels (First Revision)
110.	IS 7887 : 1992	Mild steel wire rod for general engineering purposes - Specification (First Revision)
111.	IS 7904 : 2018	High carbon steel wire rods - Specification (Second Revision)
112.	IS 8052 : 2006	Steel ingots, billets and blooms for the production of springs, rivets and screws for general engineering applications - Specification (Second Revision)
113.	IS 8510 (Part 13) : 1977	Specification for tinned steel wire for banding of armatures and rotors
114.	IS 8563 : 1977	Specification for half round mild steel wire for the manufacture of split pins
115.	IS 8564 : 1977	Specification for steel wire for nipples for spokes
116.	IS 8565 : 1977	Specification for lead wire
117.	IS 8566 : 1977	Specification for steel wire for reeds
118.	IS 8910 : 2022	General technical delivery requirements for steel and steel products
119.	IS 8917 : 1978	Specification for steel plates for galvanizing pots
120.	IS 8951 : 2001	Steel cast billet ingots, billets and blooms for production of high carbon steel wire rods - Specification (First Revision)
121.	IS 8952 : 1995	Steel ingots, blooms and billets for production of mild steel wire rods for general engineering purposes - Specification (First Revision)
122.	IS 9442 : 1980	Specification for hot-rolled steel plates, sheets and strips for manufacture of agricultural tillage discs
123.	IS 9476 : 1980	Specification for cold-rolled steel strips for carbon steel razor blades
124.	IS 9485 : 1980	Specification for cold - Reduced and hot - Rolled carbon steel sheet for porcelain enamelling
125.	IS 9550 : 2001	Bright steel bars - Specification (First Revision)
126.	IS 9962 : 1981	Specification for steel wire for needles

Annex-IV  
(Item 7.1)

**Proforma for Proposing New Subjects for National Standardization**

1. Proposer  
.....  
(Name & Address)
2. Title  
.....  
(Indicate whether the standard required is for product specification/methods of test/code of practice and define the subject in brief)
3. Scope .....  
(Define the limits to be considered)
4. Purpose and Justification  
.....
5. Likely users of standard and their inputs  
.....
6. Any related standard/series of standard/system standard required to make this subject standard complete.....  
...
7. When the final Standard would be required (any time limit)  
.....
8. Any specific bottlenecks without this standard  
.....
9. Bearing with Govt. legislation regulation, etc.  
.....
10. Name and address of manufacturers/implementing industries/purchasing organizations/component supplier/raw material supplier  
.....
11. Availability of test facilities  
.....
12. Whether related to variety reduction, export, health, safety consumer protection, mass consumption, energy conservation, technology transfer, technology upgradation, protection of environment & other national priorities.  
.....
13. Relevant supportive documents/standards  
.....
14. R&D work done in India  
.....
15. Status of the industry in the country  
.....

*For BIS Use Only*

16. Any foreign collaboration (give details)  
.....

17. Liaison with any Organisation(s)  
.....

18. Preparatory work:

a) whether draft attached  
.....

b) whether outline attached and draft can be prepared  
.....

19. Whether this project can be funded by your organization or can it be sponsored by industry/associations/professional bodies/ministry? If yes, to what extent?  
.....

20. Whether your Organization would be interested to opt for BIS Standard Mark once the standard is published?  
.....

Date .....

Signature

NOTES:

1. It is desirable that information is provided by the proposer for all items of the proforma in any case information against item 1 to 5 must be provided.
2. Write 'NA' wherever not applicable.
3. Add separate sheet to elaborate.