

**Bureau of Indian Standards**

**Metallurgical Engineering Department**

**Minutes**

***of***

**47th Meeting of MTD 04 Sectional Committee**

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| **Name of the Committee** | **Meeting No.** | **Day** | **Date** | **Time** | **Venue/Mode** |
| Wrought Steel Products Sectional Committee,  MTD 04 | **47th** | **Tuesday** | **12 November, 2024** | **10:30 AM** | **Hybrid Meeting**  **Meeting Link:**  <https://bismanak.webex.com/bismanak/j.php?MTID=maa2e646b6c9dda26c8037cfe7e428870>  **Meeting number:** 2516 652 6552  **Password:** MTD04  **Venue:**  **Vimarsha (Blue room)**  Manak Bhawan, Bureau of Indian Standards, 9, Bahadur Shah Zafar Marg, New Delhi – 110002  **For more details contact:**  **Email:** [mtd4@bis.gov.in](mailto:mtd4@bis.gov.in)  **Phone-** 011-2360-8265 |

***Chairperson*: Shri S. K. Kar *Member Secretary*: Smt. Challakonda Vidisha**

**Meeting Attendance**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Organization** | **Member** | **Member type** |
| 1 | SAIL-RDCIS, Ranchi | Shri Sandip Kumar Kar | ed.rdcis@sail.in |
| 2 | AMNS, Hazira | Shri Deepak Gupta | Deepak.Gupta@amns.in |
| Shri Md. Basha | Mohammed.Basha@amns.in |
| 3 | AIIFA, New Delhi | Shri Prabhakar Mishra | ratan.prabhakar@gmail.com |
| 4 | BHEL | Shri Antony Harison MC | harisonmc@bhel.in |
| 5 | Cold Rolled Steel Manufacturers Association of India, New Delhi | Shri Shivajee Pathak | shivajeepathak@jindalindia.com |
| Shri N.K Sood | steelcorsma@gmail.com |
| 6 | DGQA, Ichapur | Smt. Jana Bhattacharaya Roy | drjana.bhattacharya@gov.in |
| 7 | Indian Steel Association, Delhi | Shri Ravinder Kumar Bhan | R.bhan@indsteel.org |
| 8 | JSW Selam, Tamil Nadu | Shri S Sivakumar | sivakumar.subramanian@jsw.in |
| 9 | JSW Steel Coated Products Limited, Mumbai | Shri Chanchal Kumar Karmakar | chanchal.karmakar@jsw.in |
| 10 | JSW Steel Limited, Bellary | Shri Devasish Mishra | devasish.mishra@jsw.in |
| Shri G V Ramana | gv.ramana@jsw.in |
| 11 | JSW Steel Limited, Raigad | Shri Amit kundu | amit.kundu@jsw.in |
| 12 | JSPL, New Delhi | Shri Moreshwar Borkar | moreshwar.borkar@jindalsteel.com |
| 13 | RINL , Visakhapatnam | Smt. Ruchira Gupta | ruchira\_gupta@vizagsteel.com |
| 14 | RDSO, Lucknow | Shri Shailesh Oraon | saileshrdso@gmail.com |
| 15 | SAIL-RDCIS, Ranchi | Shri S. Srikanth | srikanth@sail.in |
| 16 | SAIL-RDCIS, Ranchi | Shri Anjana Deva | anjana@sail.in |
| 17 | SAIL, IISCO Steel Plant, Barddhaman | Shri Saikat De | saikat6028@gmail.com |
| 18 | (SAIL) Rourkela Steel Plant,Rourkela | Shri Kuntal Patwari | kuntal.patwari@sail.in |
| (SAIL) Rourkela Steel Plant, Rourkela | Shri Ramakrishnan R | ramakrishnan.r@sail.in |
| 19 | SAIL, Bokaro Steel City | Smt. Biswasi Sunita Minz | b.sunitaminz@sail.in |
| 20 | Tata BlueScope Steel Pvt. Ltd., Bengaluru | Shri Ved Prakash | ved.prakash@tatabluescopesteel.com |
| 21 | Tata Motors Limited, Pune | Shri Tushar Baviskar | tushar.baviskar1@tatamotors.com |
| 22 | Tata Steel Limited, Kolkata | Shri Sudipto Sarkar | sudiptos@tatasteel.com |
| 23 | The Tinplate Company of India Limited, Jamshedpur | Shri Subrata Sadhu | subrata.sadhu@tatasteel.com |
| 24 | Thyssenkrupp Electrical Steel India Private Limited, Nashik | Shri Kapil Kapoor | kapil.kapoor@thyssenkrupp.com |
| 25 | Ministry of Steel, New Delhi | Shri Ashwini Kumar (DD) | ashwani.jsr09@gmail.com |
| 26 | Ministry of Steel, New Delhi | Shri Abhijit Narendra (JS) | [abhijit.narendra@nic.in](mailto:abhijit.narendra@nic.in) |
| 27 | [Tata Steel Limited - Global Wires India, Mumbai](javascript:;) | Shri Shishir Desai | shishir.desai@tatasteel.com |

## **Item 0 General**

* 1. **Welcome Address by BIS**

HMTD, Shri Sanjiv Maini welcomed Chairperson of MTD 04 Shri Sandip Kumar Kar and all members on behalf of BIS to the 47th TC Meeting. He also apprised committee members regarding new guidelines for participation in committee and emphasized on the mandatory attendance in the meetings and participation by way of commenting on P-drafts and WC drafts which has been made mandatory for committee members. HMTD emphasized to hold next meeting in any MoU or R&D institution, keeping mode of participation physical only. Shri Sanjiv Maini also urged that only nominated members from the organization should attend meeting, keeping in view the importance and continuity of work being done in the committee.

* 1. **Opening Remarks by the Chairperson**

Honourable Chairperson, Shri Sandip Kumar Kar appreciated all members present in the meeting for attending the meeting and asked all members of MTD 04 to participate actively in the activities of the Sectional Committee. Shri Kar emphasized that since large number of standards formulated by the committee are under mandatory certification, there is requirement for continuous upgradation and revision of standards, wherever required and requested all the committee members to ensure that the work allotted to them is completed in time.

## He also suggested to organizeshort duration virtual meetings/training sessions, to train the upcoming potential members, down the line of present principal or alternate members, thus paving the path for enhanced standardization and self-sufficiency in standards in India.

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

The committee confirmed the minutes of **46th**meeting of Wrought Steel Products Sectional Committee, MTD 04 held on **27 May 2024** whichwas circulated among the members via BIS portal on 11 July 2024 inviting comments till 26 July 2024 and no comments were received on the same.

## **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**.](#Annex1)

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

**3.1** The committee noted the information given at Sl No. **3.1** to **3.5** of the agenda.

**3.2 New/Revised nominationsreceived for the committee**

**3.2.1** Nominations awaited from **T&R, BHEL** and **Siemens** for panel 2. GEE refused for participation citing activity of panel is beyond their scope and they are contributing in MTD 11 in accordance with their scope of activity.

**3.2.2** In 45th TC meeting, the committee had decided to add Shri Anand Mishra from M/s JSW Vallabha Tinplate Ltd. in Panel 30. He has got superannuated. In his place, Mr. Chanchal Karmakar will look forward to the related activities.

**3.2.3** Mr. BM Hasan, Convenor MTD 04, Panel 29 – Mr. B. M. Hasan has got superannuated from JSW, Salem on 30th September, 2024. Mr. Shishir Desai has been nomination as convenor of Panel 29.

The committee decided to add Mr. Yogendra Reddy from JSW in panel 2.

**3.2.4** Co-option requests received for MTD 04 and decision of the committee are as follows:

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| **Sl No.** | **Organization** | **Member** | **Committee Decision** |
| 1. | All India Transformers Manufacturers Association (AITMA) | Mr. Ram Prakash Gupta  Add. Director General  AITMA  M-9958493030 | Approved for Panel 2. |
| 2. | SAIL, Kolkata | Mr. Pradeep Kumar  Central Marketing Organisation  General Manager  Application Engineering Group  Steel Authority of India Ltd  Kolkata  M – 9810914720 | Approved. |
| 3. | MNIT, Bhopal | Dr. Ramesh Kumar Nayak  MNIT, Bhopal  [rameshkumarnayak@gmail.com](mailto:rameshkumarnayak@gmail.com)  [lonavi@manit.ac.in](mailto:lonavi@manit.ac.in) | Approved, to be included in panel after receiving of organization authorization letter. |
| 4. | Michelin India Private Limited | Mr. Ashish Agrawal  Manager- Industry Standards and Regulations ashish.agrawal-1@michelin.com  8884292035 | Approved as invitee for IS 4824. |
| 5. | SIEMENS Ltd | Mr. Ganesh Bangar  Manager - Metallurgy and material Technologist  [ganesh.bangar@siemens.com](mailto:ganesh.bangar@siemens.com)  9028980096 | Not approved, profile not suitable for Panel 2. |
| 6. | Bekaert Industries Pvt. Ltd. | Mr. Swapnil Shikarkhane  [swapnil.shikarkhane@bekaert.com](mailto:swapnil.shikarkhane@bekaert.com)  9552041300 | Approved for Panel 29. |
| 7. | Maruti Suzuki | Mr. Gururaj Ravi  Vice President- Global Regulatory Affairs & Policy  Gururaj.Ravi@maruti.co.in  96438 24621  Raj Kumar Dwivedi  Dy. General Manager – Environment Regulations  RajKumar.Dwivedi@maruti.co.in  99534 25216 | Approved for Panel 7 and Panel 11. |

**3.2.5** Nomination received for alternate member

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| --- | --- | --- | --- |
| 1. | Tatabluescope Steel | Mr. Mahendra Pingle  ***(For Alternate member)***  M- 917599919 | Approved. |

**3.2.6** Termination notices were sent to the following organizations which had not participated in the 46thsectional committee meeting, requesting their active participation in the upcoming meetings of the committee and that their membership will be terminated if they fail to participate in 47th Sectional Committee meeting.

The organizations responded positively by attending the meeting.

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| **Sl No.** | **Organization** | **Attendance in the 47th Meeting** |
| 1. | Bharat Heavy Electrical Limited, New Delhi | P |
| 2. | Indian Steel Association, Delhi | P |
| 3. | Jindal Steel and Power Limited, New Delhi | P |
| 4. | Steel Authority of India Limited, IISCO Steel Plant, Barddhaman | P |
| 5. | Steel Authority of India Limited (SAIL) Rourkela Steel Plant, Rourkela | P |
| 6. | Steel Authority of India Limited, Bokaro Steel Plant, Bokaro Steel City | P |
| 7. | Tata BlueScope Steel Private Limited, Bengaluru | P |
| 8. | Tata Motors Limited, Pune | P |

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

## **Item 4 Comments on Printed Indian Standards**

The committee deliberated on the comments received on the printed standards since last meeting of MTD 04 and decided as follows:

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| **Sl No.** | **IS No.** | | **Name** | | **Clause/**  **Subclause** | | **Comment detail** | | **Decision of committee** |
| 1. | IS 7226 : 1974 | | Mr. Aditya Das  CMD-2  (Bureau of Indian Standards)  [adityaready@gmail.com](mailto:adityaready@gmail.com) | | 1.1,3.1,4.1 | | Also see Sl. 19 of item 2, annex-I | | It was informed that IS 7226 is proposed to be merged in IS 2507, which is currently under revision and P-draft of the same has already been circulated.  The committee after deliberation decided to constitute a working group WG02 with the following members to look into the comments and, if found appropriate, incorporate the same in the revision of IS 2507.The working group was requested to submit the revised p-draft within 15 days.  List of members of WG02.   1. Mr. Md. Basha, AMNS 2. Mr. G.V, Ramana, JSW |
|  |  | | Mr. Umesh Chaube  (Alfa Precision Technology)  [umeshchaube@alfablades.com](mailto:umeshchaube@alfablades.com) | |  | | For inclusion of grade X32CrMoV4-1    Also see Sl. 19 of item 2 annex-I | | The committee decided to refer the comments to WG 02. |
| 2. | IS 4824 : 2022 | Mr. Vinay Vijayvargia  (ITTAC)  [Vinay-ittac@atmaindia.org.in](mailto:Vinay-ittac@atmaindia.org.in) | | Table 6, Cl 7.4.1, Table 3, Annex A | |  | | The committee decided to refer the comments received to Panel 29 and requested to submit report within 30 days.  List of members of Panel 29 are as follows:   1. Mr. Shishir Desai, Tata steel Wire Division (Convenor) 2. Shri. S Sivakumar, JSW Salem 3. Shri. Devasish Mishra, JSW Bellary 4. Ms. Ruchira Gupta, RINL 5. Shri. Saikat De, SAIL IISCO 6. Shri. Nirmal Saraf, SWMAI   The committee decided to include following members also in panel 29, for discussion  1. Mr. Deepak Dandi, Rajratan  2. Representative from Aarti Steel  3. Mr. Ashish Agrawal, Michelin (As invitee for IS 4824 ) | |
| 3. |  | Mr. Ashish Agrawal  (Michelin India Private Limited)  [bis.india@michelin.com](mailto:bis.india@michelin.com) | |  | | Regarding inclusion of Zinc or Zinc-Alloy Coating on Bead Wires for Tyres within the Scope of IS 4824:2022        Also, see Sl. 16 of item 2 annex-I | |  | |
| 4. | IS 4454 Part 2 : 2001 | Mr. Krishna Kant (Pengg. Usha Martin, Ranchi)  [krishna\_kant@pengg-usha.com](mailto:krishna_kant@pengg-usha.com) | |  | | For inclusion of grades FDSiCrV, TDSiCrV, VDSiCrV in IS 4454 part 2 | | The committee agreed with the comment and decided to forward the comments to Panel 29. The panel was requested to study the comments and if agreed, prepare a draft amendment and forward the same to BIS within 30 days. | |
| 5. | IS 18809 : 2024 | Mr. Sarath Menon  (SSAB Special Steels)  [sarath.menon@ssab.com](mailto:sarath.menon@ssab.com) | |  | | For inclusion of grades | | The committee deliberated on the comment and decided to refer the comments to working group WG03 (earlier panel 27) consisting of following members.   1. AM/NS, Hazira   Shri Deepak Gupta **(*Convener*)**   1. BEML Limited, Kolar   Shri Padmanabha  Shri Nagaraj Desai (*Alternate*)   1. Caterpillar India Private Limited, Chennai   Shri Kumar Pichamuthu   1. Jindal Steel and Power Limited, New Delhi Shrimati Dipti Ganatra 2. Jsw Ltd, Bellary Shri Devasish Mishra Shri G. V. Ramana (*Alternate*) 3. SAIL-RDCIS, Ranchi Shri S. Srikanth 4. Volvo Construction Equipments India Pvt. Ltd., Bengaluru   Shri M. Sridhar  Shri Jagannatha Kulkarni (*Alternate*)   1. Mr. Sarath Menon, SSAB (As invitee).   The working group was requested to study the comments and if required, prepare a draft amendment and send the same to BIS within 30 days. | |
| 6. | IS 15103 :  2002 | Mr. Braj Bihari Prasad  (Tata Steel Ltd., Jamshedpur)  [bbpdqa@tatasteel.com](mailto:bbpdqa@tatasteel.com) | | Table 1 | |  | | The committee deliberated that further study, references and justification required for these changes as lowering the Mo content may lead to dilution of standard.  This was referred to Panel 07 and requested to submit report within 45 days from finalization of minutes. | |
| 7. | IS 1812 :  1982 | Mr.Vishal Mahajan  (R. K. Steel Industries)  9814231032 | |  | | Regarding non-availability of raw materials conforming to IS 1812 for IS 6760 : 1972. | | The committee decided that instead of IS 7887, IS 280 may be referred for raw material of IS 6760 as it is more suitable. The view of committee may be forwarded to PGD 37. | |
| 8. | IS IS 18513 : 2023 | Mr. Aditya Das  CMD-2  (Bureau of Indian Standards)  [adityaready@gmail.com](mailto:adityaready@gmail.com) | | Cl 10.7, Table 11 | | Regarding Ageing period | | The committee after deliberation decided to constitute a working group WG02 with the following members to look into the comments. The working group was requested to study the comments and if required, prepare a draft amendment and send the same to BIS within 30 days.  List of members of WG02.  1.Mr. Md. Basha, AMNS  2. Mr. G. V. Ramana, JSW | |
| 9. | IS 15965 : 2012 | Mr. SABYASACHI DHAR  [sabyasachi@bis.org.in](mailto:sabyasachi@bis.org.in) | | Cl 1.1, 11.1, 11.3 | | Regarding Base metal thickness | | It was informed by Mr. Chanchal Karmakar that this issue is already being addressed in the revision of IS 15965 which has already completed wide circulation stage. | |
| 10. | IS 2062 : 2011 | Mr. Dwaipayan Bhadra  (Head CED, BIS)  [d.damachya@bis.gov.in](mailto:d.damachya@bis.gov.in) | | Scope | | To exclude hot rolled steel sheet pile from the scope    (see also Sl. 6 of item 2 annex-I) | | The Committee after deliberation decided that it is not advisable to prepare a separate product standard for sheet pile as IS 2062 is not a raw material to IS 2314 but the bloom/slabs etc. are directly hot rolled to sheet pile section. It is thus more appropriate to refer IS 2314 for dimensional purposes in IS 2062. | |
|  |  | Mr. Saaqib Rahi  MTD-BIS | |  | | (see also Sl. 6 of item 2 annex-I) | | The committee after deliberation did not agree with comments as the current specified level of 0.012 percent nitrogen is good enough and any further increase in the nitrogen content may lead to adverse effects on other properties. However, to make it more clear it was decided to mention nil tolerance in table 3 of IS 2062. Since the standard is already under revision, it was decided to forward these comments to the concerned panel (Panel 7). | |
| 11. | IS 4454  Part 1 | Mr. Hrithik Dattani  (Hridat Steel)  [hrithik@hridatsteel.com](mailto:hrithik@hridatsteel.com) | |  | | For addition of grades  (see also Sl. 18 of item 2 annex-I) | | The committee after deliberation decided to forward the comments to Panel 29. The panel was requested to study the comments and if agreed, prepare a draft amendment and forward the same to BIS within 30 days. | |
| 12. | IS 648 : 2022 | Mr. Yogesh Sonawane  (POSCO Maharashtra)  [yogesh.s@posco.net](mailto:yogesh.s@posco.net) | | Cl 4, Table 1 | | (see also Sl. 10 of item 2 annex-I) | | The committee after deliberation decided to forward the comments to Panel 2. The panel was requested to deliberate on the same and provide their recommendation to the committee within 30 days. | |
| 14. | IS 15961: 2012 | Mr. Durgesh Kumar Srivastava  (Dongkuk Coated Metal Co. Ltd.)  durgesh.srivastava@dongkuk.com | |  | | Regarding inclusion of Thickness | | It was informed by Mr. Chanchal Karmakar that this issue is already being addressed in the revision of IS 15961 which has already completed wide circulation stage. | |
| 15. | IS 3502 : 2009 | Mr. Deepak Gupta, AMNS | | Cl. 2 | | To replace IS/ISO 7452 : 2022 with IS 1852 : 1985 | | The committee agreed with comment and decided to issue an amendment for the same. The member secretary was requested to prepare the amendment and wide circulate for 30 days. In case, no comments are received on the wide circulation draft, the amendment may be sent for printing. | |
| 16. | IS 18316 | Mr. Shivam Ahuja, Sc.D. (CMD-2) | |  | |  | | The committee after deliberation decided to forward the comments to Panel 2. The panel was requested to study the comments and if agreed, prepare a draft amendment and forward the same to BIS within 30 days. | |
| 17. | IS 18384 | Mr. Shivam Ahuja, Sc.D. (CMD-2) | |  | |  | | The committee after deliberation decided to forward the comments to Panel 11. The panel was requested to study the comments and if agreed, prepare a draft amendment and forward the same to BIS within 30 days. | |

## **Item 5 Review of Indian Standards**

**5.1** The committee noted the information given at item 5.1. to 5.1.4 of the agenda.

## **Standards under review – due for 2024-25**

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| **Sl No.** | **IS No.** | **IS Title** | **Committee decision** |
|  | IS 4397 : 1999 | Cold - Rolled carbon steel strips for ball and roller bearing cages retainers - Specification (Second Revision) | Committee decided to withdraw the IS, as provisions of this IS are already included in IS 513 (Part1) : 2016. It was also decided to forward this decision of the committee to the departments PGD, since this standard is cross referred in other standards dealt by PGD. |
|  | IS 4882 : 1979 | Specification for low carbon steel wire for rivets for use in bearing industry (First Revision) | Referred to Panel 29 and submit report within 60 days. |
|  | IS 17404 : 2020 | Electrogalvanized Hot Rolled and Cold Reduced Carbon Steel Sheets and Strips - Specification | 1. Referred to Panel 11 and submit report within 45 days. 2. Comments from Ministry of steel for inclusion of pre-painting, lamination and PVC coating to be reviewed by Panel. 3. Mr. Sudhh Gautam from M/s American Precoat also to be included in the discussion. |

## **Item 6 List of Indian Standards**

The committee noted the list of Indian Standards formulated by MTD 04 given at **[Annex-III](#Annexure3)** of the agenda.

## **Item 7 New Proposals for Standardization**

**7.1** The committee noted the information given at Item No. **7.1** and **7.23** of the agenda.

**7.2** The Committee reviewed the status of new subjects and decided as given below :

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl No.** | **Subject** | | **Task entrusted with** | **Status** | | **Committee decision** | |
|  | IS for Pre-Painted Aluminium Zinc Alloy Metallic Coated Hi RIB Profile Roofing Sheet, Tiles Profile and Profile Accessories | | - | - | | It was informed that in the current revision of IS 15965, profile sheet is also being permitted. Panel 11 was thus requested to look into the proposal and decide whether a new standard needs to be formulated on the same. | |
|  | Carbon and Low Alloy Steels for Submerged Arc and Gas Shielded Arc Welding Electrodes | | Panel 29 | Report awaited | | The committee recommended to conduct Panel 29 meeting to expedite action on the tasks allocated to Panel 29 and submit report within 60 days. | |
|  | Zn-Al Coated Steel Wires | |
|  | ***Steel wire rod for bridge cable wire***  (New Standards on the lines of ISO 6819 *Steel)* | |
|  | New Standard on *Tyre Cord* | |
|  | Electroplated Zn-Ni Steels | | Submitted by previous member Secretary (Shri Arun Puchakayala) | The committee had decided to circulate the document among the committee members for 21 days as P-draft. | | The committee decided to refer the subject to Mr. Basha and Mr. Deepak Gupta for clarification required on the Draft and they were requested to study and submit the revised draft to BIS within 30 days. | |
|  | Hot-rolled medium and high carbon steel sheets, plates and strip | |  | R&D, ToR prepared during Special meeting of TC held on 10 Nov 2023 and submitted to screening committee. See Annex V, Pg 65-68  R&D under progress with Dr. Kuntal Maji, NIT Jamshedpur | | The committee noted the status. | |
|  | Standard Specification for Hot Dip Aluminium-Silicon Coated Steel Sheet and Strip | | Panel 11  Working Group: Shri Mohammed Basha  AM/NS | Following drafts were received from AM/NS:  1. Al-Si coated steel - Follow [this url](https://drive.google.com/file/d/1a4OeVnOLYRCTqnowGisSoZrckACDcNDL/view?usp=drive_link) to access the draft.  2. Hot stamping steel – Follow [this url](https://drive.google.com/file/d/1AkxxPsFEs08-clllxRI5pmMTZHCeFd4D/view?usp=drive_link) to access the draft.  The committee decided to update the references of both the standards and circulate among the Panel 11 members.      Interns have also submitted their report after industry visit (AMNS). | | The committee decided to P-draft the documents for 21 days. If no comments received on the P-draft, the documents shall be sent for WC for 30 days. | |
|  | Standard Specification for Steel Sheet and Strip for Hot Stamping Applications | |
|  | Pre-Painted EG base | | The committee requested AMNS to prepare the draft for EG base.  Report awaited. | | The committee requested AMNS to expedite the draft work and submit the draft within 30 days. | |
|  | Pre-Painted ZAM base |  | | | The document is under wide-circulation.  MTD 04 26204 | | Since no technical comments were received on the wc-draft , the committee after deliberation decided to sent it for printing. |
|  | Pre-material Specification to Produce Fully Processed Grain Oriented Electrical Steel | Mr. Kapil Kapoor | | | Working draft received.    (see Sl. 22 of item 2 annex-I) | | The committee decided to P-draft the document for 21 days.  If no comments received on the P-draft, the document shall be sent for WC for 30 days. |

## **Item 8 Latest Initiatives Taken by Bis**

**8.1** The committee noted the information given in Sl No. **8.1 to 8.4** of the agenda.

**8.2 Formation of working group for addressing Sustainability in the field of manufacturing of Steel**

The committee after deliberation decided to constitute Sustainability working groups with composition placed below and with addition of representatives from Maruti Suzuki.



**Item 9 Draft Standards/Amendments for Approval**

## **9.1 Draft Standards/Amendments for Approval for Wide Circulation**

The committee after deliberation decided to wide circulate following documents for 30 days:

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| --- | --- | --- | --- |
| **Sl No.** | **IS No.** | **IS Title** | **Document Type** |
|  | IS 2062 (Part 1) - MTD/04/26191 | Structural Steel — Part 1 — Hot rolled medium and high tensile non-alloy steel | Revision  (see Sl. 6 of item 2) |
|  | IS 2062 (Part 2) - [MTD/04/26552](https://www.services.bis.gov.in/php/BIS_2.0/StandardsFormulationV2/Upload3.php?ID=Z0NwN2pRLzI0dzMwNm9mNFRRMmN5UT09) | Structural Steel — Part 2 — Hot rolled Quenched and tempered steel plates and wide flats | New  (see Sl. 6 of item 2) |

## **Draft Standards/Amendments for Approval for Finalization and printing**

The committee after deliberation decided to finalize and send following documents for printing :

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| --- | --- | --- | --- |
| **Sl No.** | **IS No.** | **IS Title** | **Comments** |
|  | First revision of IS/ISO 14284:1996  (Identical To: ISO 14284:2022)  **MTD/04/24663** | Steel and iron Sampling and preparation of samples for the determination of chemical composition (First Revision) | No comment were received on the WC-draft. |
|  | Amd. 1 to IS 8910 : 2022  **MTD/04/24672** | General technical delivery requirements for steel and steel products Amendment - 1 | No comment were received on the WC-draft. |
|  | [**MTD/04/26204**](https://www.services.bis.gov.in/php/BIS_2.0/StandardsFormulationV2/Upload3.php?ID=SWFWekN3dUV6SndPeElsL2VnR3dIZz09) | Pre-Painted Zinc-Aluminium-Magnesium Alloy Coated Steel Strip and Sheet | Comments received on the WC draft were in agreement. |

## **Item 10 International Activity**

**10.1** The committee noted the information given at Item No. **10.1, 10.2, 10.3** and **10.4** of the agenda.

**10.2** As per previous proceedings, the committee had agreed that India should organize the plenary meeting of ISO TC 17 / SC 9 in 2025.The in-principal approval for hosting the plenary meeting of ISO TC 17 / SC 9 tentatively on 7-8 Oct 2025 has been obtained from DG BIS and is under process for approval from Ministry.

**10.4 Harmonizing of Indian Standards with ISO/IEC standards -** ballots and Expert Nomination

The committee approved the following experts for the ballots placed below:

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| ***Type*** | ***ISO Committee*** | ***Ballot Reference*** | ***Title*** | ***Closing date*** | ***Approved Expert*** |
| SR | ISO/TC 17/SC 17 | ISO 8458-1:2002 (Ed 2, vers 4) | Steel wire for mechanical springs — Part 1: General requirements | 02-Dec-24 | Mr. Shishir Desai |
| SR | ISO/TC 17/SC 17 | ISO 8458-2:2002 (Ed 2, vers 4) | Steel wire for mechanical springs — Part 2: Patented cold-drawn non-alloy steel wire | 02-Dec-24 | Mr. Shishir Desai |
| SR | ISO/TC 17/SC 17 | ISO 8458-3:2002 (Ed 2, vers 4) | Steel wire for mechanical springs — Part 3: Oil-hardened and tempered wire | 02-Dec-24 | Mr. Shishir Desai |
| SR | ISO/TC 17/SC 3 | ISO 7778:2014 (Ed 2, vers 2) | Through-thickness characteristics for steel products | 04-Mar-25 | Mr. S Srikanth |

* 1. **FMCS application – Clarification on IS 2507: 1975**

The committee deliberated on item no. 10.5 of the agenda and decided as follows:

*Physical properties test is mandatory and Physical properties may be mutually agreed between the manufacturer and purchaser.*

## **Item 11 R&D Projects for Establishment/Revision of Indian Standards**

## The committee noted the status of currently active R&D projects, placed in item 11 of the agenda.

## **Item 12 Date and Place for the Next Meeting**

The committee decide to hold next TC meeting tentatively in 3rd week of February, 2025 in physical mode at MoU Institution.

## **Item 13 Any Other Business**

* IR Portal training session was held during the meeting. https://irportal.bis.gov.in/
* The committee approved the transfer of IS 12779: 1989 — ‘*Rolling and cutting tolerances for hot rolled parallel flange beam and column sections*’ from CED 07 to MTD 04 sectional committee.

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

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

**Action Taken Report**

| **Sl No.** | **Subject** | **Decision taken in past meetings** | **Action taken on the decisions of 46th TC Meeting** | **Decision taken by the committee** |
| --- | --- | --- | --- | --- |
|  | New Standard on *thin magnetic steel strip for use at medium frequencies - Both for CRNO and CRGO*  **Doc No.: MTD/04/23958** | 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  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.  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.  After receipt of this, the same was to be forwarded to committee members, and if agreed by committee members and approved by Chairperson, the recommendation for formulating new standard on thin magnetic steel strip for use at medium frequencies, was to be forwarded to MTDC for approval of new subject.  The committee was informed that Annex IV was still awaited.  The committee noted the information. Shri Kapil Kapoor informed the committee that he will submit the requisite document by 15 January 2019.  The duly filled template proposing new standard for use at medium frequencies was received on 12th June 2019 from Sh. Kapil Kapoor.  Convener of Panel-18, Shri 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 **(Appendix-2)** to the members and vouched for adoption  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.  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.  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.  Panel 2 held its meeting on 24 May 2022. Report is awaited.  The Committee was informed by the Panel Convenor Shri 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.  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 WC draft as this would be an adoption of modified version of IEC 60404-8-8:2017.  The Panel Convenor Shri 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.  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.  The member secretary was also requested to send the modified version of IEC on receipt from from Panel Convenor Shri Kapil Kapoor for WC for a period of 1 month.  Report is awaited from convenor of Panel 2.  Panel Convenor Shri Kapil Kapoor briefed the status to the subcommittee.  Accordingly, Subcommittee requested Panel Convenor to submit the report within 15 days from the date of finalization of the minutes.  Committee noted the status and requested the Panel Convenor Shri Kapil Kapoor to submit the report by 31 Dec 2022.  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.  Draft amendment is awaited.  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.  During the meeting of subcommittee held on 11 April 2023, Convenor of Panel2, Shri Kapil Kapoor was requested to submit the draft amendment within 14 days.  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 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.  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.  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.  In this regard, panel convenor Shri 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.  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.  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.  Document to be sent for wide circulation for 60 days, as decided during 44th meeting held on 22 Sep 2023.  **45th Meeting**  The document MTD 04 23958 was sent for WC inviting comments till 05 Feb 2024.  Committee noted the status that the document MTD 04 23958 was in WC till 05 Feb 2024.  However, **no comments** were received on the WC draft.  The document may be finalized and sent for printing since, no comments were received.  **46th Meeting**  The committee noted the information and decided to finalize the document and send for printing. | The document was finalized and sent for printing. Currently, document is under publication. | The committee noted the information. |
|  | New standard on “Wear and Abrasion resistant steel plates”  **MTD/04/13289** | 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.  The document placed at **Appendix 16** is being prepared for wide circulation.  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.  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.  The Committee noted the information and requested the Panel Convener to submit the modified working draft along with work plan for validation of the grades to the sub-committee within 2 months.  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.  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.  Subcommittee during its meeting held on 18 April 2022, requested the convenor to P-Draft by 30th June 2022.  The Committee noted the status shared by Panel convenor Sh Deepak Gupta.  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.  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.  The Panel Convenor was requested to submit the panel report within 15 days from the date of finalization of the minutes.  The report of the panel would be presented during the meeting by convenor of Panel 27 Shri Deepak Gupta, AM/NS.  Draft Standard is placed at Appendix-1(Pg 50-56).  Panel convenor, Shri Deepak Gupta, apprised the members of the contents of the report.  Subsequently, Head MTD raised concerns on chemical composition, as there was no difference amongst the grades except for maximum allowable limit of carbon.  Accordingly, Panel Convenor informed the Subcommittee that the panel would revisit the TCs and share the report by 30 Nov 2022.  Panel Convenor Shri Deepak Gupta, briefed the committee about the contents of the report and draft standard.  The Committee agreed to start the proceedings by initiating the process of testing and validation for grades covered in draft standard as mentioned below:  1) As-prepared samples for grades 400,450 to be send to MTD, BIS by AMNS.  2) Cut -pieces of other grades from importers to be arranged by Ministry of Steel and to send the same to MTD, BIS.  3) Testing of samples at CL, BIS subsequent to receipt of as-prepared samples from AMNS for all the grades.  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.  NocommentsreceivedduringP-circulation.  Samples of gradesISAR 400,450 and500weresentfortestingatBISlabforall testsbarringimpacttestat-40 DegC.  Testing would be carried out for free ofcost 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 to bear the costs.  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.  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.  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).  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 **Appendix-2(Pg 37-42).**  The Subcommittee recommended to send the document for wide circulation for 30 days with prior approval of TC.  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 Appendix-1 for wide circulation for 60 days with prior approval of TC.**  Document to be sent for wide circulation for 60 days, as decided during 44th meeting held on 22 Sep 2023.  **45th Meeting**  The document MTD 04 13289 was sent for WC inviting comments till 05 Feb 2024.  Committee noted the status that the document MTD 04 13289 was in WC till 05 Feb 2024.  Comments received on the WC draft were resolved by Panel 27 and report was received from panel convenor Shri Deepak Gupta.    Accordingly modified draft was circulated in committee via mail dated 16.02.2024 and seeking approval for finalization and printing. Comments received were in agreement.  Chairperson approval for finalization and printing was received on mail dated 21.02.2024.  The document was finalized and sent for printing and is currently under publication.  **46th Meeting**  The committee noted the information. | The document has been published as IS 18809: 2024 – *Wear and abrasion resistant steel sheet and plate – Specification.* | The Committee noted the information. |
|  | Revision of **IS 9550 : 2001**  *Bright steel bars – Specification*  **Doc No.: MTD/04/24046** | 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.  Report awaited.  Subcommittee noted the status and requested the panel convenor to submit the report within 45 days from the date of finalization of the minutes.  Committee noted the status and requested the panel convenor to expedite action.  Panel 28 held its meeting on 07 July 2023.  Report of the panel was shared with subcommittee during its meeting held on 14 July 2023.  Subcommittee deliberated o n the draft standard. The resultant draft incorporating the change is given at **Appendix-6 (Pg 77-90).**  Committee agreed to send the draft given at Appendix-7(Pg 159-172), for wide circulation for a period of 30 days.  **45th Meeting**  Document was sent for WC inviting comments till 11 Dec 2023.  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.  **46th Meeting**  The committee noted the status that document has been finalized and sent for printing. | The document has been Published as IS 9550: 2024 | The committee noted the information regarding publication of IS 9550: 2024.  Comments were received during the meeting from MR. Saikat De and Mr. Shivam Ahuja wherein they sought clarification on clause 1.2 of IS 9550 : 2024, wherein it is mentioned that  “*1.2 This document does not apply to the following steel qualities:*  *a) Steel for cold heading/cold extrusion applications — Wrought carbon and low alloy steels as per IS 11169 (Part 1);*  *b) Steel for cold heading/cold extrusion applications — Stainless steels as per IS 11169 (Part 2);*  *c) Tool steels as per IS 3748; and d) Stainless steel semi-finished products, bars, wire rods and bright bars as per IS 6603*.”  The committee was requested to clarify that if any grade is not covered under the exempted standards viz IS 11169 part 1, IS 11169 Part 2, IS 3748 and IS 6603, will the same be covered under IS 9550.    Members of Panel 29 were requested to further deliberate and share their comments on the subject matter within 30 days from the finalization of minutes. |
|  | Revision of **IS 11587 : 1986**  *Specification for structural weather resistant steels* | A Panel 19 consisting of following members was formed for revision of IS 11587:1986 Structural weather resistant steels   1. Mr Jayanta K Saha - INSDAG – Convenor 2. Mr Deepak Gupta – Essar Steel 3. Mr A Dagupta – SAIL, RSP 4. Mr Avtar Singh – Tata Steel 5. Mr Devasish Mishra, JSW, Bellary 6. Mr M Borkar – JSPL 7. Representative from RDSO   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.  The draft placed at **Appendix 12** is being prepared for wide circulation.  Comments on the working draft was shared with panel convener on 25th June 2021 and placed at Appendix-9. Revised draft was awaited.  Convener of Panel-19, Dr Jayanta Saha, briefed the committee about the status of the revision (Appendix-9).  The Committee noted the status and requested Panel Convener to submit the modified draft to the Sub Committee within One Month.  Subcommittee requested the Panel Convenor to submit the P-Draft by 20th June 2022.  The committee noted the status briefed by Sh G V Ramana (representing Panel Convenor 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 convenor. However, the draft was devoid of desired panel draft and consolidated comments from panel members which were duly addressed in shaping the final draft for revision.  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.  The committee requested the convenor of panel 7 to submit the report within **07 days** from the date of finalization of the minutes.  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.  Amendment No. 1 to IS 11587:1986 was issued in August 2022, on account of 41st 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.  Subcommittee requested the Panel Convenor to submit its report by 30 Nov 2022.  Committee noted the status and requested the Panel Convenor Shri Devasish Mishra to submit the report within 30 days from the date of finalization of the minutes.  Report is awaited from Panel. Also, nominations to be obtained from IR class and RDSO.  During the meeting of subcommittee held on 11 April 2023, on behalf on Panel convenor of Panel 7, Shri G V RamanaSought45daystimetosubmitthereport.  Committee noted the status that convenor of Panel 7 Sought 45 days time from 30 April 2023 to submit the report.  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.  As desired by the committee, Panel held its meeting on 09 June 2023.  The report received from the panel on account of its meeting held on 09 June 2023, is given at **Appendix-3 (Pg 43-55).**  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.  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.  Document to be sent for wide circulation for 30 days, as decided during 44th meeting held on 22 Sep 2023. | The document has been P-circulated on 07-11-2024 for 14 days.  **MTD 04 (26897)** | * + - 1. The committee noted that document is under P-circulation till 21 November 2024.       2. If no comments are received on P-draft, the document shall be sent for wide-circulation for 30 days.       3. If no comments are received on WC-draft, the document shall be sent for printing. |
|  | Revision of **IS 2507: 1975**  *Cold-rolled steel strips for springs*  **MTD 04 (26223)** | Comments received from Bhushan Steel Ltd, Maharashtra  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 Chairperson MTD 4.  Vide email dated 3/4/2018 following clarification has been sought from Mr Murlidhar of Bhushan Steel for which reply is awaited.  “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.  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 .  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.  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.  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.  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.  The Committee took note of the comments of MTD (Appendix-11) and advised the Sub-Committee to take decision on the matter.  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.  The committee requested the convenor of panel 11 to submit the report within 15 days from the date of finalization of the minutes.  Report is awaited from Panel 11.  Subcommittee requested the Panel Convenor to submit its report by 30 Nov 2022.  Committee noted the status and requested the Panel Convenor Shri Avtar Singh Saini to submit the report within 30 days from the date of finalization of the minutes.  ReportisawaitedfromPanel11.  Subcommittee during its meeting heldon11April2023hadadvisedthepaneltoexpediteaction.Also,panelwasalso advised for considering adoptionofISO 4960.  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.  As desired by the committee, Panel held its meeting on 08 June 2023.  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.  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**, the committee decided to merge IS 7226 and IS 2507.**  Accordingly, it requested Shri 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. Shri Basha was also requested to submit the draft within 30 days from the date of finalization of the minutes.  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.  Drafts for revision of IS 2507/7226/4397 was entrusted to Shri Mohammed Basha (AM/NS).  **45th Meeting**  Subcommittee, during its meeting held on 08 Dec 2023, noted the status and requested Shri Mohammed Basha (AMNS) to expedite action.  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.  Draft received from AM/NS has been placed below:    **46th Meeting**  The committee decided to circulate the document among the committee members as P-draft for 21 days and the committee also decided to parallelly check the document with IS 4397 for possible merging. | The document was circulated as P-draft among the members on 24 July, 2024 with comment ending date 14 August, 2024.  Comments received on the P-draft is placed below:    Further, Comments received on IS 2507:1975 are placed below:    Also, status of study for possible merging with IS 4397 is to be reviewed. | The committee after deliberation decided to forward the comments to WG02 for further deliberation and if agreed, prepare the modified draft and forward the same to BIS within 15 days. |
|  | **Revision of IS 2062 : 2011**  *Hot Rolled Medium and High Tensile Structural Steel* | 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.  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.  During the last meeting justification received from JSW for amendment was 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  Point 1 and 2 was not agreed by the committee since there is no change in carbon equivalent.  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.  It was decided to circulate the revised amendment among the committee members for 21 days and in case no comments are received the same was to be sent for wide circulation for one month.  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:    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 **Appendix 8** among members for 14 days. In case no comments are received the modified amendment will be sent for wide circulation for one month.  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.  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 Chairperson.  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).  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.  Subcommittee reconstituted panel 7 and requested them to submit the P- Draft by 30th June 2022.  The committee noted the status briefed by Shri G V Ramana on behalf of convenor Shri Devashish Mishra.  The committee requested the l 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.  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  Meeting of panel 7 was held on 26 July 2022.  Minutes of the meeting, Annex-1 to the minutes and draft standard for revision of IS 2062:2011 is placed at **Appendices- 3, 4 & 5** (Pg 79, 80-84, 85-100).  Member Secretary was advised to circulate the working draft along with the minutes inviting comments from members of both MTD 4:3 and MTD 4, giving them a time period of 15 days.  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.  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.  Draft for revision of IS 2062 is being sent for wide-circulation.  Further, during subcommittee meeting held on 11 April 2023, Shri G.V. Ramana was requested to submit proposal for coming up with Q&T structural steel, which is intended to be covered under a new standard IS 2062 Part 2.  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.  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.  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.  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.  Draft standard for Q&T structural received from the panel convenor is given below:    As the desired draft for formulation of Q&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&T structural steels.  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.  **45th Meeting**  Documents were being sent for wide circulation.  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.  The documents still needs to be wide circulated for 30 days.      **46th Meeting**  The committee decided to wide circulate both IS 2062 (Part 1) and IS 2062 (Part 2) for 30 days | The documents have been P-circulated on 11 September, 2024 with comment ending date 02 October, 2024.  IS 2062 (Part 1) - MTD/04/26191  IS 2062 (Part 2) - [MTD/04/26552](https://www.services.bis.gov.in/php/BIS_2.0/StandardsFormulationV2/Upload3.php?ID=Z0NwN2pRLzI0dzMwNm9mNFRRMmN5UT09)  General and editorial comments received on both documents. Comment received from CED 7 to modify sl. viii of table 4 as IS 2314 part-1 instead of IS 2314. No technical comments**.**  The document after incorporating the above general and editorial comments may be sent for wide-circulation.  Additional comment has been received   * + - 1. From CED, BIS to exclude hot rolled sheet pile from scope of IS 2062 : 2011. (see Item 4)       2. From Mr. Saaqib Raahi, Sc. C of MTD.(see Item 4) | The documents shall be sent for wide-circulation for 30 days after incorporating the general and editorial comments received. If no comments are received on WC-draft, the document shall be sent for printing.  Regarding comment received from CED – The Committee after deliberation decided that it is not advisable to prepare a separate product standard for sheet pile as IS 2062 is not a raw material to IS 2314 but the bloom/slabs etc. are directly hot rolled to sheet pile section. It is thus more appropriate to refer IS 2314 for dimensional purposes in IS 2062.  Regarding comment received from Mr. Saaqib Raahi- The committee after deliberation did not agree with comments as the current specified level of 0.012 percent nitrogen is good enough and any further increase in the nitrogen content may lead to adverse effects on other properties. However, to make it more clear, it was decided to mention nil tolerance in table 3 of IS 2062. Since the standard is already under revision, it was decided to forward these comments to the concerned panel (Panel 7). |
|  | **Revision of IS 10748 : 2004**  *Hot Rolled Steel Strip for Welded Tubes and Pipes* | During the last meeting comments received from JSW on the proposal far 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 in case no comments are received , the same shall be sent for wide circulation for one month.  Draft amendment received from Mr. B. B. Prasad is given below    The committee discussed the draft amendment and after deliberation 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.  The committee took note of the status and requested Member Secretary to take action.  Subcommittee examined the matter and requested Panel 7 to submit their report by 20 June 2022  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.  Comments were received from AM/NS.  Panel 11 is requested to dispose them off and submit the modified amendment.  Panel Convenor was requested to submit the report by 30 Nov 2022.  Report is awaited from Panel 7.  Panel Convenor was requested to submit the report within 15 days from the date of finalization of the minutes.  Committee noted the status and requested the panel convenor to expedite action on submitting the report.  Report is awaited from Panel 7.  Committee noted the status that convenor of Panel 7 Sought 45 days’ time from 30 April 2023 to submit the report.  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.  Report provided by the panel on account of its meeting held on 09 June 2023 is given at **Appendix-3**.  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.  The Committee requested the panel convenor Shri Devashish Mishra(JSW) to submit the desired draft within 30 days from the date of finalization of the minutes.  **45th Meeting**  Requested the panel convenor to submit the draft standard for revision of IS 10748.  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.  No comments were received from the members on the draft document till date.    **46th Meeting**  The committee decided to wide circulate the document for 30 days. | The document still needs to be wide circulated.  **The committee may decide.** | While drafting the standard for wide-circulation, certain shortcomings were noticed. It was decided that the member secretary will resolve the same with Mr. G V Ramana (JSW), within 15 days and the draft to be sent for wide-circulation for a period of 30 days. |
|  | Harmonization of Indian Standard with ISO standards | 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.  Further, the Sub-Committee to submit its recommendation to the Committee in due course.  The matter has been referred to panel 7 with a request submit report to the subcommittee by 30th June 2022.  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.  Report is awaited.  Panel Convenor was requested to submit the report by 30 Nov 2022.  Committee noted the status and requested the panel convenor to expedite action on submitting the report.  Report is awaited from Panel 7.  Report provided by the panel on account of its meeting held on 09 June 2023 is given at **Appendix-3** to the agenda.  Committee examined the report and requested member secretary to take it up with SARSO accordingly during its next meeting.  Requested Member Secretary to prepare a report to be shared with SARSO Secretariat.  **45th Meeting**  Committee considered the request of Member Secretary for sending the report to SARSO within 90 days from the date of finalization of the minutes.  **46th Meeting**  The report is to be sent to SARSO.  The committee noted the information. | The report is to be sent to SARSO. | The committee noted the information. |
|  | Documents sent for wide circulation | **45th Meeting**  Sent the following documents for print:  **MTD 4 23033** - *Hot-Dip Zinc- Aluminium-Magnesium Alloy Coated Steel Sheets Plates and Strips*  **MTD 4 23040** - *Steel Plates and Strips For Pressure Vessels Used At Moderate And Low Temperature*  **MTD 4 23086** - *Steel Plate For Pressure Vessel For Intermediate And High Temperature Service Including Boilers*  **MTD 4 22863** -*Continiously Pre-painted Galvanized Steel Sheets& Strips*  **MTD 4 11513 -** IS 513 (Part 2) : 2016 - Amendment No 1  **MTD 4 13189 -** IS 513 (Part 1) : 2016 - Amendment No 2  Report was awaited from panel convenor on documents **MTD 4 22826** and **MTD 4 22804.**  Committee noted that the following documents were sent for printing:  **MTD 4 23033** - *Hot-Dip Zinc- Aluminium-Magnesium Alloy Coated Steel Sheets Plates and Strips*  **MTD 4 23040** - *Steel Plates and Strips For Pressure Vessels Used At Moderate And Low Temperature*  **MTD 4 23086** - *Steel Plate For Pressure Vessel For Intermediate And High Temperature Service Including Boilers*  **MTD 4 22863** -*Continuously Pre-painted Galvanized Steel Sheets& Strips*  **MTD 4 11513 -** IS 513 (Part 2) : 2016 - Amendment No 1  **MTD 4 13189 -** IS 513 (Part 1) : 2016 - Amendment No 2  Committee requested the panel convenor to submit report on comments received on WC drafts of **MTD/04/22826** and **MTD/04/22804** within 60 days from the date of finalization of the minutes.  Report on comments received during WC is still awaited from Panel convenor on documents MTD/04/22826 and MTD/04/22804.      Following documents have been published:  1. **MTD/04/23033** - IS 18513 : 2023  2. **MTD/04/22863** - IS 14246 : 2024  3. **MTD/04/11513** - IS 513 (Part 2) : 2016 - Amendment No 1  4. **MTD/04/13189** - IS 513 (Part 1) : 2016 - Amendment No 2  Following documents are under publication department for printing:  1. **MTD/04/23040 -** Steel Plates and Strips for Pressure Vessels Used at Moderate and Low Temperature Specification (Fourth Revision)  2. **MTD/04/23086 -** Steel Plate for Pressure Vessel for Intermediate and High Temperature Service Including Boilers - Specification (Fourth Revision)  **46th Meeting**  The committee noted the status of the documents and decided to send the following documents for printing, stating that the comments received on the WC documents have already been resolved in the previous meeting:   1. **MTD/04/22826** - Pre-Painted Aluminium Zinc Alloy Metallic Coated Steel Strip and Sheet -Specification (First Revision of IS 15965) 2. **MTD/04/22804** - Hot Dip Aluminium-Zinc Alloy Metallic Coated Steel Strip and Sheet – Specification (First Revision of Is 15961) | Following documents have been published:  1. **MTD/04/23040 -** Steel Plates and Strips for Pressure Vessels Used at Moderate and Low Temperature Specification (Fourth Revision) **IS 2041 : 2024**  2. **MTD/04/23086 -** Steel Plate for Pressure Vessel for Intermediate and High Temperature Service Including Boilers - Specification (Fourth Revision) **IS 2002 : 2024**  Clarity required on following documents w.r.t to comment resolution.   * + - 1. **MTD/04/22826 -** Pre-Painted Aluminium Zinc Alloy Metallic Coated Steel Strip and Sheet -Specification (First Revision of IS 15965)       2. **MTD/04/22804 –** Hot Dip Aluminium-Zinc Alloy Metallic Coated Steel Strip and Sheet – Specification(First Revision of Is 15961)   In ‘131st Meeting of Technical Committee for clarification of Steel Grades’, held on 18.10.2024 onwards, MoS proposed for the inclusion of pure Al coating and 90 % Al and 10 % Si coating also in IS 15961.  Also, comments received on IS 15965: 2012 and IS 15961 : 2012. (*see* Item 4) | The committee decided to refer the clarification of **MTD/04/22826** and **MTD/04/22804** and **comments received** on **IS 15965 and IS 15961** to Mr. Basha and Mr. Chanchal Karmakar and resultant draft shall be sent for printing.  The committee also deliberated on the proposal of MoS and informed that these are already getting covered in new standard of Al-Si coated steel. |
|  | Comments on **IS 648 : 2022**  **Amendment 1 to IS 648 : 2022**  *Cold rolled non-oriented electrical steel sheet and strip - Fully processed type - Specification* | M/s Posco Maharashtra Ltd was requested to submit draft amendment for IS 648:2022 for inclusion of the grade 35PN440.  Committee noted the status during its meeting held 0n 28.04.2023.  Draft amendment received from Panel 2 is being examined.  Committee noted the information and requested the panel convenor to expedite the matter.  **45th Meeting**  Draft amendment No. 1 was circulated along with the agenda, as recommended by subcommittee during its meeting held on 08 Dec 2023.  Committee agreed with the recommendation of the Subcommittee recommended to send the draft    document for WC for 30 days.  **46th Meeting**  The document still needs to be wide circulated for 30 days.  The committee decided to wide circulate the draft Amendment-1 to IS 648: 2022 for 30 days. | The document has been wide circulated on 30-08-2024 for 30 days  **MTD 04 (26436)**  Comments received on WC-draft is placed below:    Further, comment received on from Mr. Yogesh Sonawane of POSCO, Maharashtra for inclusion of grade and thicknesses in **IS 648 :2022** which is intended to be used in EV’s.( see item 4 ) | The committee deliberated on the comments received from Mr. Ravi Bhagat of CSCI steel corporation and suggested that validation and references are required. The committee referred the comments to Panel 2 for further deliberation and if agreed, the panel was requested to submit the modified amendment draft within 30 days. |
|  | Comments on **IS 3024**  *Grain oriented electrical steel sheet and strip*  **Amendment 3 to IS 3024: 2015**  **MTD04 (26473)** | Request was received from ITMA for inclusion of 0.20 mm thickness. Matter was referred to Panel 2.  Draft amendment received from Panel 2 is being examined.  **45th Meeting**  Report was requested from the Panel Convener.  Committee requested the panel convenor to submit the report within 30 days from the date of finalization of the minutes.  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. (**Reference was cited to IEC 60404-8-7 and ASTM A876.)**  **46th Meeting**  The committee after deliberation decided to issue amendment-3 to IS 3024: 2015. While deliberating on the proposed amendment the committee not agreed with Sl No. 4 and 5 of Note and decided to refer the proposed amendment to Panel 2 for discussion. | The decision of panel 2 on the modification was received from Panel Convenor, Shri Kapil Kapoor and based on meeting between Member secretary and panel convenor, P-draft was finalised on 28.08.2024.  The draft was P-circulated on 30.08.2024 for 21 days.  The document has been Wide-circulated on 07 October, 2024 with comment ending date 06 November, 2024.  Comments received on Nippon steel on the WC draft are placed below:    New draft amendment proposed by Shri Kapil Kapoor    However, purpose /justification/ references are not provided yet. | The committee after deliberation decided to send the document for printing after including sl. no. 2 comment from Nippon steel. Rest of the comments were not accepted by the committee citing, these provisions are in accordance with international standard.  The modified amendment draft, which is to be sent for printing is placed below:    The committee decided to P-draft the new amendment proposed by Shri Kapil Kapoor, for 21 days. If no comments received on the p-draft, it may be sent for WC for 30 days. |
|  | Comments on **IS 277**  *Galvanized steel strips and sheets (Plain and Corrugated) – Specification*  **Amendment 2 to IS 277** | 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.  Contents of the Draft amendment were finalized.  **45th Meeting**  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.  Committee agreed with the recommendation of the Subcommittee recommended to send the draft document for WC for 30 days. See, Appendix-3, Pg 56.  **46th Meeting**  The committee noted the status that document still needs to be wide circulated for 30 days.  The committee decided to wide circulate the draft Amendment-2 to IS 277 : 2018 for 30 days. | The document has been wide-circulated. (Comment last date 11.10.2024)  **MTD 04 (26438)**  Comments received on WC-draft are placed below: | The committee agreed with comments and decided to send the document for printing after modifying the draft in line with clause 10.8 of IS 18513. |
|  | **New Standard**  *Hot-rolled medium and high carbon steel sheets, plates and strip* | Report received from intern was shared with members.  Committee agreed to formulate standards on the new subject.  **45th Meeting**  During special TC meeting held on 10 Nov 2023, committee agree to commission a R&D project proposal and finalized terms of reference for the same.  Committee noted that the ToR was submitted to screening committee of BIS.  Bids have been received on the ToR floated which will be taken up by screening committee.  **46th Meeting**  The committee noted the information. | R&D under progress with Dr. Kuntal Maji, NIT Jamshedpur | The committee noted the information and requested Mr. Saikat De and Mr. G V Ramana to continuously monitor the progress and to study the possibility of scope extension of this new standard for cold-rolling purposes as well. |
|  | Revision of **IS1875: 1992**  *Carbon steel billets, blooms, slabs and bars for forgings*  **MTD 04 (26252)** | ThefollowingpanelwasformedforrevisionofIS1875:   1. Mr. D. Karmarkar SAIL–Convenor 2. Mr. Sanjay Roy, RINL-Member 3. Mr. Devashish Mishra, JSW–Member 4. Mr. P.K. Biswal, Kalyani Carpenter Special Steel Ltd, Pune – Member 5. Mr. Dinesh Singh, 6. Vardhman Steel –Member 7. Dr M Krishnamurthy, CQA (metals)– Member 8. Member from DSP   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 Convener on 25 June 2021. Modified draft was awaited. Member Secretary informed the committee about co -existenceofthegradesofIS1875inIS13352, 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 by also inducting SAIL –ISP (Sh SK De). The subcommittee during its meeting held on 28 June 2022 deliberated ontheneedforhavingIS1875andagreedthatthestandardshould continue to serve steel stock for forging quality produced through ingot route.  Accordingly, it reconstituted the panel4 and requested them to share P-draft within **three months** for reviewing both IS 1875 and IS13352.Composition of reconstituted panel 4 was mentioned below:   1. SAIL RDCIS, Sh S.K. Jha, convenor 2. Saarloha Steels Ltd, 3. JSW, Salem 4. Tata Steel Long products, Dr T. Bhaskar 5. Bharat forge 6. CHW forge 7. Forging Manufacturers association 8. L&T 9. Mukand Sumi Steels Ltd   The Committee noted the status and recommended to have Shri S K De (SAIL-ISP) as convenor of Panel 4replacingShri SK Jha SAIL-RDCIS.  Also, it requested the panel on reviewing the proposal of having individual standards on Steels for forging stock both for continuous casting and ingot route respectively.  Report awaited from Panel 4.  Convenor of Panel 4 was requested to expedite action and share the report within 45 days from the date of finalization of the minutes.  Nominations were obtained from AIFI. Nominations were still awaited from saarloha, CHWforge and L&T.  Further, meeting of Panel 4 was held on 02 March 2023. On the basis of panel report (**Appendix-1,pg48**) and the draft (**Appendix-2,pg49-66**), subcommittee recommended for sending the draft document for wide circulation.  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.  The draft was shared with members of MTD 16 during its 25th meeting held on 11 May 2023.  It is informed that no comments were received from members.  However, Panel Convenor Shri 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&T), IS 4432 (case hardening) and IS 3930(Flame and Induction hardening). Accordingly, the Subcommittee agreed to incorporate them and requested Shri Saikat De to provide the draft within two days so that the same could be circulated as Addendum to the minutes. Draft received from Shri Saikat De was examined and shared with the members.  The draft was also discussed with the members of MTD 4 during its 44th meeting held on 22 Sep 2023.  Committee agreed to send the draft for wide circulation for a period of 30 days.  However, it advised member Secretary to seek prior consent from MTD 16 for WC.  **45th Meeting**  As, desired by the TC, consent was obtained from MTD 16 during its 26th meeting held on 12 Oct 2023.  Committee noted the status that the document is being sent for wide circulation for 30 days.  **46th Meeting**  The committee noted the status that document still needs to be wide circulated for 30 days.  The committee decided to wide circulate the document for 30 days. | The document has been P-circulated on 12-09-2024 for 21 days  Comments received on the P-draft is placed below: | The committee decided to refer the comments to Mr. G V Ramana and Mr. Saikat De and submit final report within 15 days from the finalization of the minutes and then send the document for WC for 30 days. |
|  | AmendmentNo.2to **IS280 : 2006**  *Mild steelwire forgeneral engineering purposes*  **Doc No.: MTD/04/24300** | The committee after deliberation decided that MTD 24may be requested to consider revision of IS 4826basedon ISO 7989 on priority, since IS 280 is proposed to come under Mandatory certification. The committee also decided the following two members may also beallowedtoparticipateinMTD24meetingwhenrevisionof IS4826 is discussed.  Mr. Nirmal Saraf-SWMAI  Mr. Shishir Desai*–*Tata steel Wires division.  The committee noted the information. Revised draft for revision of IS 280 was tabled by Shri Shishir Desai and is placed at Appendix15.The committee deliberated over the document and decided to send the document for wide-circulation for one month.  ThisissuewasdiscussedinthemeetingofMTD24andthe committee after deliberation decided that since IS4826 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 beincorporatedintheproductstandardi.e.,IS280ifagreedbyMTD4committee.  The committee noted the status and requested member secretary to circulate the P-draft to its members as well along side members of MTD 4:2.  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 10 mm.  Draft amendment received from Shri Shishir Desai on 3rd April2020isplacedat**Appendix-12 (Pg157-158)**.  Further, the Committee advised Sub-Committee to decide on the matter.  The subcommittee examined the comments of MTD and agreed that there was need to specify coating requirements for electrogalvanized wires as well.  Further, the members were informed about technological developments in production of EG wires upto 300 gsm, at par with HDG wires.  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.  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.  Draft amendment was shared as addendum to the agenda.  During the meeting, Shri Shishir Desai expressed that the draft amendment circulated as an addendum to the agenda comprised of requirements as per IS4826, which were obsolete, instead of the desired requirements prevalent in the industry, which were asper 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.  The subcommittee examined the requirements and recommended to send the modified draft amendmentforwidecirculationwithpriorapprovalofMTD4.  Subcommittee was informed that the Draft amendment was being sent for wide circulation.  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.  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.  **45th Meeting**  Document was sent to for WC inviting comments till 04 Jan 2024.  Committee in the 45th meeting noted that document was sent to for WC inviting comments till 04 Jan 2024.  The document was circulated in WC for 30 days, inviting comments till 04 January 2024. The comment received has been placed below:    **46th Meeting**  The committee after deliberation decided to modify the amendment as per clause 9.2 and 9.3 of IS 4759 and again wide circulate for 30 days. | Modification as per clause 9.2 and 9.3 of IS 4759 and wide circulation are pending.  Comment received from Mr. S P Singh of USHA MARTIN LIMITED for inclusion of Galfan Coating (Zinc -Aluminium) in IS 280. | The committee noted the status .  Regarding Comment received for inclusion of Galfan coating, committee referred the comments to Panel 29 for further deliberation, requesting to submit report within 30 days . |
|  | Comments received on **IS 4824: 2022**  *Bead wires for tyres - Specification* | 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.  Committee noted the status and requested panel convenor to expedite action.  **45th Meeting**  Committee noted the status that the report is still awaited from the panel convenor.  The report is still awaited from the panel convenor.  **46th Meeting**  The committee after deliberation decided to refer the subject to Panel 29. | Report is awaited from Panel 29.  Earlier comment was from Mr. Shishir Desai of Tata steel and Mr. Deepak Dandi of Rajratan Global Wires ltd.    New comments received from Mr. Vinay Vijayvargia of Indian Tyre Technical Advisory Committee (ITTAC) via mail dated 03.09.2024 (*see* Item 4) and Mr. Ashish Agrawal of M/S Michelin via mail dated 05 Nov 2024 to include Zinc or Zinc-Alloy Coating on Bead Wires for Tyres within the Scope of IS 4824:2022. (*see* Item 4)  In ‘131st Meeting of Technical Committee for clarification of Steel Grades’, held on 18.10.2024 onwards, MoS proposed for the inclusion of other shapes and sizes in IS 4824. Currently, only circular cross-section wires are covered under this standard. | The committee after deliberation decided to refer the comments to Panel 29 for further study. The committee requested panel to submit report within 15 days from the finalization of the minutes. |
|  | Revision of pre-2000 standards for which ARP was received | 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. For action research reports received so far, the subcommittee constituted three panels one each for Semis, Bars & Rods and Wires with Shri S K Jha (SAIL-RDCIS), Shri B M Hasan (JSW, Salem) and Shri 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 subcommittee within three months’ time. Reminders were sent to Panel Convenors.  Subcommittee requested the convenor of the Panel for reviewing IS 2100 Shri S K Jha (SAIL-RDCIS) submit their recommendations within 15 days from the date of finalization of the minutes.  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 Shri 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.  Draft of 10 ISS were shared with Shri Nirmal Saraf on 28 Feb 2023.  Committee noted that the report was still awaited.  Also, report was still awaited from Shri S K Jha for IS 2100.  **45th Meeting**  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.  Also, it requested the panel convenor Shri Nirmal Saraf to provide the 10 drafts within 15 days of the finalization of the minutes.  Draft documents from Shri Nirmal Saraf are still awaited.  **46th Meeting**  The committee after deliberation decided to refer the subject to Panel 29. | Report awaited. | The committee requested the Panel 29 to submit report within 30 days. |
|  | Comments received against **IS 4454 (Part 1)**  *Steel wire for mechanical springs - Specification: Part 1 cold drawn unalloyed steel wire* | 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.  Report awaited.  Subcommittee noted the status and requested the panel convenor to submit the report within 45 days from the date of finalization of the Minutes.  **45th Meeting**  Committee noted the status that the report is still awaited from the panel Convenor.  **46th Meeting**  The report from Panel convenor is still awaited.  The committee after deliberation decided to refer the subject to Panel 29. | Report awaited.  In ‘131st Meeting of Technical Committee for clarification of Steel Grades’, held on 18.10.2024 onwards, MoS proposed for the inclusion of other shapes in the standard as well. Currently, only circular cross-section wires are under the scope of this standard.  Additional comment received form Mr. Hritik Dattani of Hridat Steel for inclusion of grades. (see item 4) | The committee after deliberation decided to refer the comments to Panel 29 for further study and submit report within 30 days.  Additionally, Mr. Saikat De proposed for standard on High carbon steel wire for general engineering purposes. The committee agreed on it and referred the subject to Panel 29 for further study and submit report within 60 days. |
|  | Comments received against **IS 7226 : 1974**  *Specification for cold - Rolled medium, high carbon and low alloy steel strip for general engineering purposes*  **Amendment 1 to IS 7226 : 1974**  **MTD 04 (26249)** | Comment was received from Mr. Ravindra Sarda on 27.02.2024 on BIS portal for modification in marking clause.    **46th Meeting**  The committee agreed with the comment received and decided to issue an Amendment for the same.  The committee after deliberationon the draft Amendment decided to wide circulate it for 30 days and in case no comments are received, the same can be finalized and sent for printing. | The draft was wide circulated on 29.07.2024 for 30 days.    Comments have been received on the WC draft & on published standard which are placed below:    The comments have been shared to the committee members for their review and approval has been taken for finalization.    Comments received on IS 7226:1974 are placed below    In ‘131st Meeting of Technical Committee for clarification of Steel Grades’, held on 18.10.2024 onwards, MoS proposed for the revision of IS 7226.  Additional comment received from Mr. Umesh Chaube of Alfa Precision Technology for inclusion of grade X32CrMoV4-1 in IS 7226. (see Item 4) | The committee decided to send the document MTD 04 (26249) for printing.  Regarding comments received from Mr. Aditya Das - It was informed that IS 7226 is proposed to be merged in IS 2507, which is currently under revision and P-draft of the same has already been circulated.  The committee after deliberation decided to constitute a working group WG02 with the following members to look into the comments and, if found appropriate, incorporate the same in the revision of IS 2507.The working group was requested to submit the revised p-draft within 15 days.  List of members of WG02.   1. Mr. Md. Basha, AMNS 2. Mr. G.V, Ramana, JSW   Regarding inclusion of grade X32CrMoV4-1 - The committee decided to refer the comments to WG 02 and requested to submit report within 30 days. |
|  | Revision of IS 5872 : 1990  *Steel Strapping for Packaging (Third Revision)*  **MTD 04 (26183)** | Proposal for inclusion of grade C55 in IS 5872 was received from M/s Tata Steel to meet the latest requirements of RDSO on the box strappings/rake lashing.  RDSO had given a drawing for the Rake lashing to M/S Tata steel in which they had asked for a change in grade and dimension based on EN 13247 : 2001. The drawing is placed below :    These provisions are not present in the current Box Strapping standard IS 5872: 1990.  Proposal was submitted by Mr. Avtar Singh Saini of M/s Tata Steel on mail dated April 12, 2024.    **46th Meeting**  The committee decided to wide circulate the draft document for 30 days. | The draft has been wide circulated on 09.09.2024 for 30 days  Following comments have been received on the document.    **The committee may deliberate and decide.** | The committee decided to refer the portal comments to working group consisting of following members  1. Mr. G V Ramana  2. Mr. Ravindra Gujar  3. Mr. Md Basha  Further, the committee approved to change C content as “0.45 to 0.60” and has not approved inclusion of grade 5 as it is already covered in existing grades.  During the meeting, Shri Ravindra Gujar mentioned that the tensile strength should be 1065 MPa instead of 1170 MPa as per EN standard and RDSO calculation. This has been approved and referred to the WG.  The committee observed that the mechanical properties mentioned for the grades are not logical and requested the WG to look into it. The WG was requested to give their report to BIS within 15 days. The committee also agreed that if there is no major technical change, the draft modified by working group may be sent for printing after taking the approval of committee. |
|  | Pre-painted ZAM base -  Pre-Painted Zinc-Aluminium-Magnesium Alloy Coated Steel Strip and Sheet  [**MTD/04/26204**](https://www.services.bis.gov.in/php/BIS_2.0/StandardsFormulationV2/Upload3.php?ID=SWFWekN3dUV6SndPeElsL2VnR3dIZz09) | Proposal for new standard on **Pre-Painted Zinc-Aluminium-Magnesium Alloy Coated Steel Strip and Sheet** was put forward by Shri Deepak Gupta of M/S AMNS, Hazira**.**  **46th Meeting**  The proposal and draft were discussed and after deliberation committee decided to circulate the P-draft for 21 days. (Follow [this url](https://drive.google.com/drive/folders/1u72D72pwR1s6cxFnuKE6nX0O8pg5t2zm?usp=sharing) to access the draft and comments.)  The draft was circulated as P-draft among the committee members on July 23, 2024.  Total four comments were received on the documents out of which three were in agreement with the draft. Comments received from MR. G V Ramana of JSW Steel Limited, Bellary were resolved by the Panel-11. Panel decision and modified draft was shared by Mr. Deepak Gupta via mail dated August 17, 2024.  The modified draft was circulated among the committee members for their comments on the document and no comments were received.  The chairperson approval for wide-circulation of document was received on mail dated September 25, 2024. | The document has been wide circulated on 01 October, 2024 with comment ending date 31 October, 2024.  Comments received on the document are in agreement with the document. The document may be finalized and sent for printing. | The committee decided to send the document for printing. |
| 22. | Comments received on **IS 18316 : 2023**  *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*  Amendment 1 to IS 18316 : 2023  **MTD/04/26626** | Comments received from JFE, post WC period of MTD 04 (21506) WC were shared with Panel 2 for examining and obtaining views.    Subcommittee during its meeting held on 28 July 2023, requested the panel convenor Shri Kapil Kapoor to expedite action and submit their recommendation within a month from the date of finalization of the minutes.  In addition, we were in receipt of comments from Convenor of Panel, given at **Appendix-1 (Pg 34-36)** to the agenda.  On the contents of the standard, the following were informed to the Committee by the panel convenor Shri Kapil Kapoor:  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.  ii) User may end up getting inefficient material.  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.  In this regard, the following were observed by the Committee vis-à-vis contents of the standard and concerns expressed by Shri Kapil Kapoor:  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  ii) Manufacturers of electrical steels would be well aware of the requirements desired from input unprocessed electrical steel capable of suiting their manufacturing practice given that such practices were still classified involving diversity.  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.  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.  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.  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.  On account of the above, the Committee suggested the following to the Panel:  a) to obviate any difficulty on account of restricted chemical composition, which could possibly be inhibiting scope of the standard and as such changes may be recommended for chemical composition.  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.  Accordingly, Panel Convenor was requested to submit the report.  **45th Meeting**  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.    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.  The report from Shri Kapil Kapoor is still awaited.  **46th Meeting**  The committee after detailed deliberation decided to refer the subject to Panel 2 for recommendations. | Report on comments from **JFE**, **CMD-2**(Appendix-1, Pg 42-43) have not been received yet.  Shri Kapil Kapoor, Convener (MTD 04/ P-2) submitted the draft amendment via mail dated September 05, 2024 for removal CRGO and restricting the scope to CRNO steels only.  The draft amendment was P-circulated 24 September, 2024 with comment ending date 15 October, 2024. Comments received on P-draft were in agreement with the draft.  He also submitted a draft standard for “Pre-material Specification to Produce Fully Processed Grain Oriented Electrical Steel”. However, justification/references are not provided yet. | Mr. Kapil Kapoor informed that the requirements of HR and CR coil for CRGO and CRNGO are different and it is not proper to club them in one standard. It was also mentioned that for the final product also there are two different standards for CRGO (IS 3024) and CRNGO (IS 648). The committee agreed with the proposal of removal of CRGO and restricting the scope to CRNO steels only and separate standard for CRGO.  It was informed by Mr. Kapil Kapoor that he has already proposed a new standard for raw material of CRGO (mentioned at item 7.2, Sl. no. 12 of the minutes). The committee after deliberation agreed to the proposal made by Mr. Kapil Kapoor and mentioned that the amendment to IS 18316 and new standard on *‘Pre-material specification to Produce Fully Processed Grain Oriented Electrical Steel’* to be processed parallelly. It was thus decided to send both the amendment and p-draft of the new standard for circulation among the committee members for a period of 14 days. In case no comments are received, both the documents may be sent for wide circulation for a period of 30 days. |

….……. End of Minutes ………