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**भारतीय मानक ब्यूरो**

**BUREAU OF INDIAN STANDARDS**

***(METALLURGICAL ENGINEERING DEPARTMENT)***

###### **AGENDA**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the Committee** | **No. of Meeting** | **Date & Day** | **Time** | **Venue** |
| **Foundry And Steel Castings Sectional Committee, MTD 14** | **22nd** | **26.07.2023** | **1100 am** | **Virtual Mode,**  **Meeting link:**  **Venue – BIS Manak Bhawan, New Delhi** |

**Chairman:** Shri V K Raizada **Member Secretary:**  Shri Kunal Kumar

**Item 0 GENERAL**

**0.1 Opening Remarks by BIS**

**0.2 Opening Remarks by the Chairman**

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

## 1.1 The Minutes of 21st meeting of Foundry And Steel Castings Sectional Committee, MTD 14 held on 24 March 2023 (Friday) through Hybrid mode, were circulated to the members vide our letter No. MTD 10/A-2.21 dated 25 April 2023. No comments have been received

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

**Item 2 Process Reforms (A)**

**2.1 Presentation on the process reforms undertaken by the BIS**

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**Item 3 ROLLING ANNUAL ACTION PLAN FOR THE YEAR 2023-24**

**3.1** Following documents are under printing:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl No. | IS No. | Doc No. | IS Title | Status |
| 1 | IS 8800: 1997 | MTD/14/21906 | Technical Delivery Conditions For Steel Castings Excluding Investment Castings | Under Printing on 04-07-2023.  The committee may please note. |
| 2 | IS 9139: 1979 | MTD/14/20981 | Malleable Iron Shots And Grits For Use In Foundries - Specification | Under Printing on 04-07-2023.  The committee may please note. |
| 3 | IS 10724: 1990 | MTD/14/21893 | Acceptance Standards For Magnetic Particle Inspection Of Steel Castings - Specification | Under Printing on 04-07-2023.  The committee may please note. |
| 4 | IS 9565: 1995 | MTD14/20981 | Malleable Iron Shots And Grits For Use In Foundries Specification | Under Printing on 04-07-2023.  The committee may please note. |
| 5 | IS 1987: 2002 | MTD14/20144 | High silica sand for use in foundries - Specification (Second Revision) Amendment - 1 | Amendment-1 is under Printing on 04-07-2023.  The committee may please note. |

**3.2** Following documents are under for WC:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl No. | IS No. | Doc. No | IS Title | Status |
|  | **IS 5841: 1970** | **MTD/14/20988** | **Specification for fluted core cleaners for use in foundries** | **WC was done on 30.05.2023 for 30 days, No comments received so far. As decided in the last meeting, Document may be sent for printing.**  **The committee may please note and decide.** |
|  | **IS 6482: 1971** | **MTD/14/20980** | **Specification for tampers and rammers for use in foundries** | **WC was done on 19-06-2023 for 30 days. No comments received so far.**  **The committee may please note and decide.** |
|  | **IS 6788: 1973** | **MTD/14/20993** | **Specification for chromite sand for use in foundries** | **WC was done on 19-06-2023 for 30 days. No comments received so far.**  **The committee may please note and decide.** |
|  | **IS 6013: 1970** | **MTD/14/20976** | **Specification for trowels for use in foundries** | **WC was done on 30.05.2023 for 30 days, No comments received so far. As decided in the last meeting, Document may be sent for printing.**  **The committee may please note and decide..** |
|  | **IS 5850: 1970** | **MTD/14/20853** | **Specification for Star Triangular Cutters For Use In Foundries** | **WC done on 30-05-2023, No comments received. As decided in the last meeting, Document may be sent for printing.**  **The committee may please note and decide.** |
|  | **IS 1752: 1973** | **MTD/14/20863** | **Specification For Coal Dust For Use In Cast Iron Foundry** | **WC was done on 30.05.2023 for 30 days, No comments received so far. As decided in the last meeting, Document may be sent for printing.**  **The committee may please note and decide.** |
|  | **IS 5824: 1970** | **MTD/14/20997** | **Specification for lancets for use in foundries** | **WC done on 08.02.2023. Comments received from Shri Anup Chandra Gandhinagar on 27th march 2023.**    **The Committee may please decide.** |
|  | **IS 12117: 1996** | **MTD/14/21905** | **Norms For Classification of Steel Foundries For Quality Assurance** | **P draft circulated on 08.02.2023. No comment received. Stage changed and skipped to WC draft on 06.04.2023. WC done on 07.07.2023. No comments received so far.**  **The committee may please note and decide.** |
|  | [**IS 9007: 1978**](https://www.services.bis.gov.in/php/BIS_2.0/StandardsFormulationV2/Upload3.php?ID=N3Z4NzZHWDVvMHFBZXVaYXBtUDMwZz09) | **MTD/14/20769** | **SPECIFICATION FOR ZIRCON SAND FOR USE IN FOUNDRIES First Revision** | **WC done on 16.02.2023, no comment received so far.**  **As decided in the last meeting, Document may be sent for printing.**  **The committee may please note and decide.** |
|  | **IS 1513: 1980** | **MTD/14/20978** | **WOODEN PATTERN EQUIPMENT FOR FOUNDRIES - SPECIFICATION** | **WC done on 05.07.2023 for 30 days, no comments received so far.**  **Committee may please note and decide.** |
|  | **IS 3343: 1965** | **MTD/14/20992** | **Specification for natural moulding sand for use in foundries** | **WC done on 20.02.2023. No comments received. In the previous meeting, committee decided to hold a panel meeting with stake holder and Shri D.K.Goash of M/s F.P.P.L., to verify if there is few technical changes. No panel meeting held so far.**  **The committee may decide further.** |
|  | **IS 7295: 1974** | **MTD/14/20778** | **SPECIFICATION FOR CHAMOTTE First Revision** | WC complete on 18 April, No comments received so far. **In the previous meeting, It was decided to withdraw the standard as the product is no longer in use.**  **The committee may please note.** |

**3.3** Following documents are under for P-Draft:

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| --- | --- | --- | --- | --- |
| Sl No. | IS No. | Doc. No | IS Title | Status |
| 1 | IS 11286 : 1995 | MTD/14/22414 | Corrosion resistant high alloy steel, nickel base and cobalt base investment castings for severe applications - Specification | P-Draft has been circulated to members on 04.05.2023, no comments received so far.  **The committee may please decide.** |
| 2 | IS 3018 : 1977 | MTD/14/22884 | Specification for standard silica sand for raw material testing in foundries | P-Draft has been circulated to members on 11.07.2023, no comments received so far.  **The committee may please decide.** |
| 3 | IS 3339 : 1975 | MTD/14/21999 | Specification for silica flour for use in foundries | P-Draft has been circulated to members on 16.06.2023 for 21 days, no comments received so far.  **The committee may please decide.** |
| 4 | IS 5303 : 1974 | MTD/14/20987 | Specification for zircon flour for use in foundries (First Revision) | P-draft circulated on 19-12-2022 no comments received so far.  **As decided in the last meeting, Document can be sent for Wide Circulation in case no comments received.**  **The committee may please note and decide.**. |
| 5 | IS 8228 : 1976 | MTD/14/22749 | Specification for bauxite sand | P-draft circulated on 26-06-2023 for 21 days, No comments received so far, **As decided in the last meeting, Document can be sent for Wide Circulation in case no comments received.**  **The committee may please note and decide.** |
| 6 | IS 4843: 1968 | MTD/14/20986 | Code for designation of ferrous castings | P-draft circulated on 16-06-2023, No comments were received so far. **As decided in the last meeting, Document can be sent for Wide Circulation in case no comments received.**  **The committee may please note and decide.** |
| 7 | IS 1918: 1966 | MTD/14/20777 | Methods of Physical Tests For Foundry Sands | Document was p-Circulated on 14.10.2022. An Email was circulated among members on 03-02- 2023 for review/Comment. No comments received so far. As decided in the previous meeting, panel meeting with members of Panel-2 to be conducted for their justifications to changes mentioned in the standard by Shri Pushkraj Janwadkar from M/s Versatile Equipments Pvt. Ltd. within 3 months. Member Secretary sent an e-mail on 3rd may 2023 regading conducting a panel meeting, No reply received.  **The Committee may please note and decide**. |
| 8 | IS 6366 : 1971 | MTD/14/20983 | Specification for sprue plugs for use in foundries | P-draft circulated on 26-06-2023, No comments received so far. **As decided in the last meeting, Document can be sent for Wide Circulation in case no comments received.**  **The committee may please note and decide.** |

**3.4** Following Standards are due for review/reaffirmation Pre-2000 for the current financial year (2023-24):

**Total standards due for review is 63 and out of 63, 19 standards are already reviewed and are at different stage like PD, WC, Printing, Merger etc. Remaining 44 Standards to reviewed through ARP, R&D, Literature etc to revise/ reaffirm/ archive/ merge are -**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Subjects to be taken for Research** | | | | |
| **Sr No** | **IS No** | **Title** | **Scope of R&D project** | **Allotted/Proposed to be allotted to** |
| 1 | IS 10034 : 1981Reviewed In : 2019 | Basic requirements for equipment for determining moisture content in foundry sand | R&D on Some more moisture testing instruments to incorporate in the standard | BIS Officer/ ARP Pending |
| 2 | IS 10033 : 1992Reviewed In : 2019 | Zircon and graphite based core and mould washes - Specification (First Revision) | R&D on incorporation of more grades of washes and validation of test requirements – chemical composition, settling tendency, coating quality, thermal stability. | BIS Officer/ ARP Pending |
| 3 | IS 10091 : 1981Reviewed In : 2019 | Specification for iron oxide powder for use in foundries | Validation of testing requirements- colour, fineness, chemical composition, pH. | BIS Officer/ ARP Pending |
| 4 | IS 10498 : 1983Reviewed In : 2019 | Specification for apparatus for determining permeability of foundry sands | Incorporation of additional methods for determining permeability of foundry sands and validation of the existing | BIS Officer/ ARP Pending |
| 5 | IS 10518 : 1983Reviewed In : 2019 | Specification for snap flask moulding boxes and jackets | Literature study and manufacturer input for validation and requirements for snap flask moulding boxes and the jackets used in foundry. | BIS Officer/ ARP Pending |
| 6 | IS 10979 : 1984Reviewed In : 2019 | Specification for powder resin for use in shell process in foundries | Literature and manufacturer input on the existing standard |  |
| 7 | IS 12006 : 1987Reviewed In : 2019 | Specification for metal pattern and epoxy resin pattern equipments for foundries | National and Internation Literature study, Inputs of the manufacturers | BIS Officer/ ARP Pending |
| 8 | IS 12424 : 1988Reviewed In : 2019 | Specification for hot box resin for use in foundries | Validation w.r.to requirement of physical and mechanical characteristic |  |
| 9 | IS 2707 : 1996Reviewed In : 2019 | Carbon steel castings for surface hardening - Specification (Fourth Revision) | Grades, chemical composition, Heat treatment, Mechanical test, Hardening test, NDTs etc. |  |
| 10 | IS 3444 : 1999Reviewed In : 2019 | Corrosion resistant high alloy steel and nickel base castings for general applications - Specification (Third Revision) | Grades, chemical composition, Heat treatment, Mechanical test, Hardness test, NDTs, Microstructure etc. | BIS Officer/ ARP Pending |
| 11 | IS 4269 : 1981Reviewed In : 2019 | Specification for dextrin for use in foundries (First Revision) | Grades, requirements of dextrin, validation of sand mixed properties to evaluate correct type of dextrin for their use. | BIS Officer/ ARP Pending |
| 12 | IS 4475 (Part 1) : 1986Reviewed In : 2019 | Specification for crane - Suspended ladles for foundries: Part 1 straight/taper sided geared ladles 0.25 to 10 tonnes for iron and steel foundries (Second Revision) | R&D on shape, size, dimension, raw materials , validation of body and welding parts by radiography examination.  Manufacturer - KELSONS ENGINEERS AND FABRICATORS, Kolhapur, Maharastra. |  |
| 13 | IS 4475 (Part 2) : 1986Reviewed In : 2019 | Specification for crane - Suspended ladles for foundries: Part 2 cylindrical geared ladles 0.25 to 3 - O tonnes for iron foundries (Second Revision) | R&D on shape, size, dimension, raw materials , validation of body and welding parts by radiography examination |  |
| 14 | IS 4475 (Part 3) : 1989Reviewed In : 2019 | Foundry - Crane suspended ladlesspecification: Part 3 straight/taper sided ladles 0.25 to 3.0 tonnes for S. G. iron foundries (Second Revision) | R&D on shape, size, dimension, raw materials , validation of body and welding parts by radiography examination |  |
| 15 | IS 4475 (Part 4) : 1988Reviewed In : 2019 | Specification for crane suspended ladles for iron and steel foundries: Part 4 taper sided non - Geared ladles - 15 to 50 tonnes capacities for iron and steel foundries (Second Revision) | R&D on shape, size, dimension, raw materials , validation of body and welding parts by radiography examination |  |
|  |  |  |  |  |
| **Subjects not taken for Research** | | | | |
| **Sr No** | **IS No** | **Title** | **Justification for not alloting as R&D (May be allotted as ARP)** |  |
| 16 | IS 10214 : 1982Reviewed In : 2019 | Methods of sampling bentonite | Not a product standard.  Manufacturer of bentonite- M/s Swell Well Minechem Pvt. Ltd, Factory :- Survey no. 187, Village – Dhunai, Bhuj – Mandvi Road, Opp: Lodaya Farm (Vinod Baug) Mandvi. Kutch. Gujarat. INDIA |  |
| 17 | IS 1280 : 1975Reviewed In : 2019 | Specification for foundry moulding boxes of steel construction (Second Revision) | No licence of the product, Literature study, Input from Manufacturer - KELSONS ENGINEERS AND FABRICATORS, Kolhapur, Maharastra. |  |
| 18 | IS 13100 : 1991Reviewed In : 2019 | Pitch powder for use in cast iron foundry | No licence of the product, Literature study and validation of physical properties (softening point, volatile matter, ash content, carbon content) before reaffirmation. |  |
| 19 | IS 13126 : 1991Reviewed In : 2019 | Silicon carbide chills - Specification | No licence of the product. Literature study, validation of chemical and physical requirements before reaffirmation. |  |
| 20 | IS 2763 : 1999Reviewed In : 2019 | Glossary of terms relating to foundry technology (First Revision) | Not a product standard. Literature study -  ISO/DIS 23472-1(en)  Foundry machinery — Terminology — Part 1: Fundamental terminology before reaffirmation. |  |
| 21 | IS 4604 : 1975Reviewed In : 2019 | Specification for pattern plates for machine moulding boxes (First Revision) | No licence of the product. Literature study and Manufacturer inputs before revision/reaffirmation.  Manufacturer- M/s M.K. Engineering Works, Coimbatore |  |
| 22 | IS 4896 : 1992Reviewed In : 2019 | One percent chromium steel castings for resistance to abrasion - Specification (Second Revision) | No licence of the product. Literature study,  Validation of Grades, chemical composition, Heat treatment, Mechanical test, Hardening test, NDTs etc before revision/reaffirmation. |  |
| 23 | IS 4982 : 1984Reviewed In : 2019 | Specification for closing pins for foundry moulding boxes (Second Revision) | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. | BIS Officer/ ARP Pending |
| 24 | IS 5904 : 1978Reviewed In : 2019 | Specification for steel chaplets for use in ferrous foundries (First Revision) | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. |  |
| 25 | IS 5981 : 1986Reviewed In : 2019 | Specification for sleekers for use in foundries (First Revision) | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. |  |
| 26 | IS 6376 : 1986Reviewed In : 2019 | Specification for pattern lifting pins and hooks for use in foundries (First Revision) | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. |  |
| 27 | IS 6377 : 1971Reviewed In : 2019 | Specification for mallets for use in foundries | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. |  |
| 28 | IS 6378 : 1986Reviewed In : 2019 | Specification for pattern lifting and rapping plates (First Revision) | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. |  |
| 29 | IS 6401 : 1986Reviewed In : 2019 | Specification for dowel pins for use in foundries (First Revision) | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. |  |
| 30 | IS 6447 : 1986Reviewed In : 2019 | Specification for vent wires for use in foundries (First Revision) | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. |  |
| 31 | IS 6907 : 1992Reviewed In : 2019 | Steel castings - Mcethods of sampling (First Revision) | Standard for method of sampling. Literature study before revision/reaffirmation. |  |
| 32 | IS 7297 : 1974Reviewed In : 2019 | Specification for olivine sand and flour for use in steel foundries | No licence of the product. Literature study before revision/reaffirmation. |  |
| 33 | IS 7547 : 1987Reviewed In : 2019 | Specification for steel nails used as internal chills in steel castings (First Revision) | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. |  |
| 34 | IS 8246 : 1976Reviewed In : 2019 | Specification for liquid resins for use in shell process in foundries | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. |  |
| 35 | IS 8250 : 1988Reviewed In : 2019 | Specification for foundry parting agents (First Revision) | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. | BIS Officer/ ARP Pending |
| 36 | IS 8779 : 1978Reviewed In : 2019 | Specification for core gums (Sodium Silicate Based) for use in foundries | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. | BIS Officer/ ARP Pending |
| 37 | IS 8785 : 1978Reviewed In : 2019 | Specification for Co2 core binder system (Binder And Break - Down Agent) for use in foundries | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. |  |
| 38 | IS 8939 : 1978Reviewed In : 2019 | Code of practice for use of oxygen in iron, steel and non - Ferrous metal foundries | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. |  |
| 39 | IS 8988 : 1978Reviewed In : 2019 | Specification for bauxite powder for foundry washes | No licence of the product, Literature study before reaffirmation | BIS Officer/ ARP Pending |
| 40 | IS 9007 : 1978Reviewed In : 2019 | Specification for zircon sand for use in foundries | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. |  |
| 41 | IS 9008 : 1978Reviewed In : 2019 | Specification for core repairing paste for use in foundries | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. | BIS Officer/ ARP Pending |
| 42 | IS 9541 : 1987Reviewed In : 2019 | Specification for cast CTC segments (First Revision) | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. |  |
| 43 | IS 9661 : 1980Reviewed In : 2019 | Specification for hand shank ladles | No licence of the product, Literature study, Manufacturers input before revision/ reaffirmation. |  |
| 44 | IS 9674 : 1980Reviewed In : 2019 | Test methods for fluid self hardening sands | Test Methods. |  |

**The committee may review and decide on already allotted ARP, that may be taken up as small R&D Project.**

**Item 4 ANNUAL CALENDAR OF TECHNICAL COMMITTEE MEETINGS**

|  |  |  |
| --- | --- | --- |
| **Meetings planned for FY 2023-24** | **Date & Time** | **Venue** |
| First Meeting | 24th March 2023 | BIS HQ (Manak Bhavan), New Delhi |
| Second Meeting | 26th July 2023 | Virtual mode |
| Third Meeting | 23rd November 2023 (Tentative) | To be decided by the committee |
| Fourth Meeting (if any) | 21st March 2024 (Tentative) | To be decided by the committee |

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

4.1The present composition of sectional committee is given at **Annexure-2.**

**The committee may please note**.

**Item 5 COMMENTS ON PRINTED STANDARDS**

**5.1** No comments received.

## Item 6 ACTION TAKEN REPORT

|  |  |  |  |
| --- | --- | --- | --- |
| Sl No | **Subject** | **Decision of the committee during the Previous Meeting** | **Actions taken on the decisions of the last meeting** |
| 1 | **Revision of**  **IS 1918: 1966 Methods of physical tests for foundry sands** | Document was p-Circulated on 14.10.2022. An Email was circulated among members on 03-02- 2023 for review/Comment. No comments were received. Committee noted the information and decided to conduct a panel meeting with members of Panel-2 and give their justifications to changes mentioned in the standard by  Shri Pushkraj Janwadkar from M/s Versatile  Equipments Pvt. Ltd. within 3 months. | Member Secretary sent an e-mail on 3rd may 2023 regading conducting a panel meeting, No reply received.  **The Committee may please note and decide**. |
| 2 | **IS 11286 : 1995**  Corrosion steel resistant and high alloy base nickel base cobalt investment castings for severe application | The committee after deliberation decided to Circulate the document as P-draft for 21 days for views and comments. | P-Draft has circulated to members on 04.05.2023 for 21 days and no comments were received.  **The committee may please note and decide.** |
| 3 | **Revision of IS 8800: 1997** Technical delivery conditions for steel castings (excluding investment casting) (third revision) (in line with ISO 4990: 2015) | The committee noted the information and after deliberation decided to send the document for printing in case no comments were received during Wide circulation. | IS 8800: 1997 has Sent for Printing on 04-07-2023.  **The committee may please note.** |
| 4 | **Revision of IS**  **9565: 1995** Acceptance  standards for  ultrasonic inspection of steel castings (second revision) (in line with ISO 4992-1:2020) | The committee noted the information and after deliberation decided to send the document for printing incase no comments were received during Wide circulation. | IS 9565: 1995 has Sent for Printing on 04.07.2023.  **The committee may please note.** |
| 5 | **Revision of IS**  **10724:1990** Acceptance  standards for magnetic particle testing of steel castings (first revision) (in line with ISO  4986:2020) | The committee noted the information and after deliberation decided to send the document for printing incase no comments were received during Wide circulation. | IS 10724: 1990 has sent for Printing on 04-07-2023.  **The committee may please note.** |
| 6 | **Specification for Steel/Ironshot/Grit use for blast cleaning and shot peening**  **(** | Committee after detailed deliberation requested the panel - 5 to submit their views/comments within 3 months. Panel consist of following members –  i) M/s NIFFT (Dr. Amitesh Kumar)  (Convener)  ii) M/s Institute of Indian Foundrymen | Email dated 04.05.2023 and reminder dated 26.06.2023 were sent by member secretary to submit their views/comments on the draft documents. Comment from panel is awaited.  **The committee may please decide.** |
| 7 | **Manufacture and testing of high chrome grinding media ball for cement mills** | The committee after deliberation decided to request again Shri Pushkaraj to submit his  recommendations within 3 month. | The project is assigned to an intern, Final year B.Tech student from IIT Kharagpur to make pre-standardization draft document through literature study, field visit to manufacturer (AIA Engineering ltd) and testing laboratory. Pre-standardization draft prepared by the intern is attached. |
| 8 | **IS 12117: 1996**  Norms for classification of steel foundries for quality assurance | Committee noted the information and decided to send the document for wide circulation for 1 month. In case, no comments were received, the document can proceed with sending it for printing. | **WC done on 07.07.2023. No comments received so far.**  **The Committee may please note and decide.** |
| 9 | **IS 5988: 1970**  Specification for spring dowel sleeves Light and Heavy Patterns for use in foundries | The committee after deliberation decided to send the amendment for printing. | IS 10724: 1990 has sent for Printing on 04-07-2023.  **The Committee may please note.** |
| 10 | **IS 1987: 2002**  High silica sand for use in foundries — Specification  (second revision) | The committee after deliberation decided to send the amendment for printing. | IS 1987: 2002 Amendment-1 has sent for Printing on 04-07-2023.  **The Committee may please note.** |
| 11 | **Adoption of ISO 14737: 2015** Carbon and low alloy cast steels for  general applications | The Committee reviewed the status and after  deliberations, decided to request M/s  Institute of Indian Foundrymen to review the  document and submit their views/recommendations within 6 months. An Email was Circulated among the members on 03-02-2023 to review/comment and give their  recommendations. However, the reply is still awaited.  The Committee noted the information and decided not to drop the International standard. | No progress being made. **The committee may please decide.** |
| 12 | **IS 9007: 1978**  Specification for zircon sand for use in foundries | Committee noted the information and decided to send the document for Wide circulation for one month. The committee further decided, if no comments were received, it can be sent for printing. | **WC done on 16.02.2023, no comments received so far.**  **As decided in the last meeting, Document may be sent for printing.**  **The committee may please note and decide.** |
| 13 | **IS 7295: 1974** Specification for chamotte | The committee after deliberation decided to withdraw the standard based on the recommendations and facts that the product is no longer in use at the foundry. | WC complete on 18 April, No comments were received. **In the previous meeting, It was decided to withdraw the standard as the product is no longer in use.**  **The committee may please note.** |
| 14 | **IS 3343: 1965**  Specification for natural moulding sand for use in foundries | WC done on 20.02.2023. No comments received. In the previous meeting, committee decided to hold a panel meeting with stake holder and Shri D.K.Goash of M/s F.P.P.L., to verify if there is few technical changes. | **No panel meeting held so far.**  **The committee may please note and decide.** |
| 15 | **IS 4683 : 1968**  Specification for chilled iron shot and grit for use in foundries | The document is withdrawn after publication of merged Indian standard on **IS 4606: 1983, IS 4683: 1968 and IS 5873: 1970.**  The committee noted the information. | Merged Indian Standard not yet published. Standards shall be withdrawn after publication of the merged standard.  **The committee may please note.** |
| 16 | **IS 5873 : 1970** Specification for steel cut - Wire shots for use in foundries | The document is withdrawn after publication of merged Indian standard on **IS 4606: 1983, IS 4683: 1968 and IS 5873: 1970.**  The committee noted the information. |
| 17 | **IS 9139: 1979**  Specification for Malleable iron shots and grits for use in foundries | The committee after deliberation decided to send for printing in case no technical comments or changes are received. | IS 9139:1997 is sent for printing on 04-07-2023.  **The committee may please note.** |
| 18 | **IS 5824 : 1970**  Specification for lancets for use in foundries | The committee after deliberation decided to send for printing in case no technical comments or changes are received. | WC done on 08.02.2023**.** Comments received from Shri Anup Chandra Gandhingar on 27th march 2023 is attached.    **The committee may please decide.** |
| 19 | **IS 6013 : 1970**  Specification for trowels for use in foundries | The committee after deliberation decided to send the document for Wide circulation for one month. The committee further decided, if no comments were received, it can be sent for printing. | **WC was done on 30.05.2023 for 30 days, No comments were receive so far. As decided in the last meeting, in case no comment received, document may be sent for printing.**  **The committee may please note and decide.** |
| 20 | **IS 5841 : 1970**  Specification for fluted core cleaners for use in foundries | The committee after deliberation decided to send the document for Wide circulation for one month. The committee further decided, if no comments were received, it can be sent for printing. | **WC was done on 30.05.2023 for 30 days, No comments were receive so far. As decided in the last meeting, in case no comment received, document may be sent for printing.**  **The committee may please note and decide.** |
| 21 | **IS 1752 : 1973** Specification for coal dust for use in cast iron foundry (Second Revision) | The committee after deliberation decided to send the document for Wide circulation for one month. The committee further decided, if no comments were received, it can be sent for printing. | **WC was done on 30.05.2023 for 30 days, No comments were receive so far. As decided in the last meeting, in case no comment received, document may be sent for printing.**  **The committee may please note and decide.** |
| 22 | **IS 5850 : 1970** Specification for star (Triangular) cutters for use in foundries | The committee after deliberation decided to send the document for Wide circulation for one month. The committee further decided, if no comments were received, it can be sent for printing. | **WC was done on 30.05.2023 for 30 days, No comments were receive so far. As decided in the last meeting, in case no comment received, document may be sent for printing.**  **The committee may please note and decide.** |
| 23 | **IS 1513 : 1980** Specification for wooden pattern equipment for foundries (Second  Revision) | The committee after deliberation decided to send the document for Wide circulation for one month. The committee further decided, if no comments were received, it can be sent for printing. | **WC done on 05.07.2023 for 30 days. No comments received so far.**  **Committee may please note and decide.** |
| 24 | **IS 6482 : 1971**  Specification for tampers and rammers for use in foundries | The committee after deliberation decided to send the document for Wide circulation for one month. The committee further decided, if no comments were received, it can be sent for printing. | WC last date of comments receive is 15-07-2023.  No comments were received so far.  **The Committee may please note and decide.** |
| 25 | **IS 6788 : 1973**  Specification for chromite sand for use in foundries | The committee after deliberation decided to send the document for Wide circulation for one month. The committee further decided, if no comments were received, it can be sent for printing. | WC last date of comments receive is 15 July 2023. No comments were received so far.  **The Committee may please note and decide.** |
| 26 | **IS 11266 : 1985** Specification for flake resins for use in shell process in foundries | A working draft for revision of IS  11266 was received from Shri D  Ghosh vide email dated 20-03-  2023. It was decided in the previous meeting to hold  the panel meeting with the  following panel member, who are working on this particular  product:  a) Forace Polymers  (conveyner)  b) Gayatri Minerals  c) MMPL  d) Indoshel cast  e) Aqua sub  f) Samarth metallurgicals | Panel meeting was held on 12.05.2023. Minute of panel meeting was circulated to panel convener for approval. Approval from Shri D.K. Ghosh is awaited. Minutes of the meeting is attached. The committee may please decide.  **The committee may please deliberate and decide.** |

**Item 7 NEW SUBJECTS FOR STANDARDIZATION**

**7.1** As per new guidelines received from Competent Authority, any new proposal for standardization should essentially be made on the prescribed proforma as a preliminary work item. Where a proposal is made in the Sectional Committee, the member making the proposal should fill up the proforma before hand and present it in the meeting for consideration of the committee. The sample proforma is given in **Annexure-8**.

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

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

**7.3 Prioritization of a subject is decided as follows:**

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

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

**PRIORITY 3** All other subjects.

**7.4** The expected time schedule is given below:

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

**The Committee may please note.**

**7.5 Proposal for New Subject**

**7.5.1** No new proposal received after the previous meeting.

**The Committee may please note.**

**Item 8 WTO-TBT Enquiry Point**

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

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

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

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

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

**Item 9 INTERNATIONAL ACTIVITIES**

**9.1 Interaction with ISO**

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

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

**9.1.2** I India’s status on various technical Committees of ISO for which MTD-14 is the mirror committee is as follows:

ISO/TC 17/ SC 11 Steel castings – ‘P’ Member

ISO/TC 25 Cast irons and pig irons – ‘P’ Member

ISO/TC 306 Foundry machinery – ‘O’ Member

**9.1.3** The details of the standards formulated by this ISO Technical/Sub-Committee.

**The committee may please note.**

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

**9.2.1** India being a **`P’** member in **ISO/TC 17/ SC 11** and **ISO/TC 25,** **‘P’** - members have to participate actively in the work, with an obligation to vote on all documents formally submitted for voting within the technical committee or subcommittee and on draft documents at different stages of processing and to participate in meeting(s), in order to place our view points on the ISO standards effectively.

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Sectional Committee** | **Subject** | **link** |
| 1 | ISO/TC 17/ SC 11 | Steel castings | <https://www.iso.org/committee/46390.html> |
| 2 | ISO/TC 25 | Cast irons and pig irons | <https://www.iso.org/committee/47206/x/catalogue/p/1/u/0/w/0/d/0> |
| 3 | ISO/TC 306 | Foundry machinery | <https://www.iso.org/committee/6198707/x/catalogue/p/1/u/0/w/0/d/0> |

**Status of India in ISO/TC 17 / SC 11 Steel Castings Sub Committee - ‘P’ Member (Published)**

|  |  |  |
| --- | --- | --- |
| **Sl No.** | **Standards** | **ICS** |
| i) | ISO 4986:2020 Steel and iron castings — Magnetic particle testing | 77.040.20  77.140.80 |
| ii) | ISO 4987:2020 Steel and iron castings — Liquid penetrant testing | 77.040.20  77.140.80 |
| iii) | ISO 4990:2015 Steel castings — General technical delivery requirements | 77.140.80 |
| iv) | ISO 4991:2015 Steel castings for pressure purposes | 77.040.20 77.140.80 |
| v) | ISO 4992-1:2020 Steel castings — Ultrasonic testing — Part 1: Steel castings for general purposes | 77.040.20  77.140.80 |
| vi) | ISO 4992-2:2020 Steel castings — Ultrasonic testing — Part 2: Steel castings for highly stressed components | 77.040.20 77.140.80 |
| vii) | ISO 4993:2015 Steel and iron castings — Radiographic testing | 77.040.20  77.140.80 |
| viii) | ISO 9477:2015 High strength cast steels for general engineering and structural purposes | 77.040.20  77.140.80 |
| ix) | ISO 10679:2019 Steels — Cast tool steels | 77.140.80 |
| x) | ISO 11970:2016  Specification and qualification of welding procedures for production welding of steel castings | 25.160.10  77.140.80 |
| xi) | ISO 11971:2020 Steel and iron castings — Visual testing of surface quality | 77.040.20  77.140.80 |
| xii) | ISO 11972:2015 Corrosion-resistant cast steels for general applications | 77.040.20 77.140.80 |
| xiii) | ISO 11973:2015 Heat-resistant cast steels and alloys for general applications | 77.040.20  77.140.80 |
| xiv) | ISO 13520:2015 Determination of ferrite content in austenitic stainless steel castings | 77.140.80 |
| xv) | ISO 13521:2023 Austenitic manganese steel castings | 77.140.80 |
| xvi) | ISO 13583-1:2023 Centrifugally cast steel and alloy products — Part 1: General testing and tolerances | 77.140.80 |
| xvii) | ISO 13583-2:2023 Centrifugally cast steel and alloy products — Part 2: Heatresistant materials | 77.140.80 |
| xviii) | ISO 14737:2021 Carbon and low alloy cast steels for general applications | 77.140.80 |
| xix) | ISO 16468:2015 Investment castings (steel, nickel alloys and cobalt alloys) — General technical requirements | 77.140.80 |
| xx) | ISO 19959:2020 Steels, nickel alloys and cobalt alloys investment castings — Visual testing of surface quality | 77.140.80 |
| xxi) | ISO 19960:2023 Cast steels and alloys with special physical properties | 77.140.80 |

**Standard and/or project under the direct responsibility of ISO/TC 17/SC 11 Secretariat (Under development)**

|  |  |  |
| --- | --- | --- |
| Sl No | Standards | ICS |
| i) | ISO/DIS 4990 Steel castings — General technical delivery requirements | 77.140.80 |
| ii) | ISO/AWI 4991 Steel castings for pressure purposes |  |
| iii) | ISO/DIS 4993 Steel and iron castings — Radiographic testing | 77.040.20 77.140.80 |
| iv) | ISO/DIS 9477 High strength cast steels for general engineering and structural purposes | 77.140.80 |
| v) | ISO/AWI 11970.2 Specification and qualification of welding procedures for production welding of steel castings |  |
| vi) | ISO/DIS 11972 Corrosion-resistant cast steels for general applications | 77.040.20 77.140.80 |
| vii) | ISO/DIS 11973 Heat-resistant cast steels and alloys for general applications | 77.040.20  77.140.80 |
| viii) | ISO/AWI 16468 Investment castings (steel, nickel alloys and cobalt alloys) — General technical requirements |  |

#### **Status of India in ISO/TC 25 Cast irons and pig irons Technical Committee - ‘P’ Member**

**Standard and/or project under the direct responsibility of ISO/TC 25 Secretariat**

|  |  |  |
| --- | --- | --- |
| Sl No | Standards | ICS |
| i) | ISO 185:2020  Grey cast irons — Classification | 77.080.10 |
| ii) | ISO 945-1:2019  Microstructure of cast irons — Part 1: Graphite classification by visual analysis | 77.080.10 |
| iii) | ISO/TR 945-2:2011  Microstructure of cast irons — Part 2: Graphite classification by image analysis | 77.080.10 |
| iv) | ISO/TR 945-3:2016  Microstructure of cast irons — Part 3: Matrix structures | 77.140.80 |
| v) | ISO 945-4:2019  Microstructure of cast irons — Part 4: Test method for evaluating nodularity in spheroidal graphite cast irons | 77.140.80 |
| vi) | ISO 1083:2018  Spheroidal graphite cast irons — Classification | 77.140.80 |
| vii) | ISO 2892:2007  Austenitic cast irons — Classification | 77.140.80 |
| viii) | ISO 2892:2007/COR 1:2009  Austenitic cast irons — Classification — Technical Corrigendum 1 | 77.140.80 |
| ix) | ISO 5922:2005  Malleable cast iron | 77.140.80 |
| x) | ISO 9147:1987  Pig-irons — Definition and classification | 77.140.80 |
| xi) | ISO/TR 10809-2:2011  Cast irons — Part 2: Welding | 77.140.80 |
| xii) | ISO/TR 15931:2004  Designation system for cast irons and pig irons | 77.140.80 |
| xiii) | ISO/TR 16078:2013  Cast Irons - Classification and designation of casting imperfections | 77.140.80 |
| xiv) | ISO 16112:2017  Compacted (vermicular) graphite cast irons — Classification | 77.140.80 |
| xv) | ISO 17804:2020  Founding — Ausferritic spheroidal graphite cast irons — Classification | 77.140.80 |
| xvi | ISO 21988:2006  Abrasion-resistant cast irons — Classification | 77.140.80 |

**Status of India in ISO/TC 306 Foundry machinery – ‘O’ Member**

**Standard and/or project under the direct responsibility of ISO/TC 306 Secretariat (Published)**

|  |  |  |
| --- | --- | --- |
| Sl No. | Standards | ICS |
| i) | ISO 23062:2022 Foundry machinery — Safety requirements for molding and coremaking machinery and associated equipment | 13.110  77.180  25.120.30 |
| ii) | ISO 23472-1:2020 Foundry machinery — Vocabulary — Part 1: General | 77.180  01.040.25 01.040.77  25.120.30 |
| iii) | ISO 23472-2:2020 Foundry machinery — Vocabulary — Part 2: Molding and coremaking machines and other equipment related to non-permanent mold casting process | 77.180  01.040.25 01.040.77  25.120.30 |
| iv) | [ISO 23472-3:2021](https://www.iso.org/standard/77954.html?browse=tc) Foundry machinery — Vocabulary — Part 3: Die casting machines and other equipment related to permanent mold casting process | 77.180  01.040.25 01.040.77  25.120.30 |
| v) | ISO 23472-4:2022 Foundry machinery — Vocabulary — Part 4: Abrasive blasting machines and other equipment related to cleaning and finishing for casting | 77.180  01.040.25 01.040.77  25.220.10 |
| vi) | ISO 23472-5:2022 Foundry machinery — Vocabulary — Part 5: Cupola furnaces and pouring devices and ladles | 77.180  01.040.77 |

**Standard and/or project under the direct responsibility of ISO/TC 306 Secretariat (Under development)**

|  |  |  |
| --- | --- | --- |
| **Sl No.** | **Standards** | **ICS** |
| i) | ISO/FDIS 23063 Foundry machinery — Safety requirements for high pressure die casting machines | 13.110  77.180 |
| ii) | ISO/FDIS 23779 Shot blasting machinery — safety and environmental requirements | 13.110  77.180 |

**The committee may please note.**

**9.3 Harmonizing of Indian standards with ISO standards**

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

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

**The committee may deliberate and decide.**

**Item 10 IMPLEMENTATION OF INDIAN STANDARDS**

**10.1** In order to derive maximum advantage of the National Standards, members are requested to adopt these Indian Standards in their respective organizations and bring to the notice of BIS DG, if any difficulty that they may experience in implementation. The feedback would enable MTD-14 to review the standards and eliminate wherever possible bottle necks in the implementation.

**10.2 Standard considered for mandatory certification by DPIIT**:

|  |  |  |
| --- | --- | --- |
|  | **Title** | **Gazette notification** |
| **Indian standard number** |  |  |
| **IS 9139: 1979** | Specification for Malleable iron shots and grits for use in foundries | Egazette-MalleableIron-Shots-and-Grits |

**The committee may please note.**

**Item 11 Research Projects to be Taken-up for Inclusion of Empirical Data and Insights**

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



**11.2** It has been decided that all the standard taken up for revision/new standard under development, shall be done by taking it up as a R&D project . The committee may decide on the R & D projects which can be taken up by the committee members for which funding shall be done by BIS

**The committee may please decide.**

**The Committee may please note**

**The Committee may please note**

**Item 12 Conducting of quarterly meetings of Sectional Committees:**

**12.1** The Sectional Committees shall follow the system of quarterly meetings to be held preferably in the first month of the quarter on a date decided by the Chairperson of the Sectional Committee. As far as possible, the date of the next meeting shall be fixed in the Committee’s meeting itself or else, the date fixed by the Chairperson must be communicated to the members at least one month in advance along with the agenda items likely to come up for the discussions.

Sectional Committee meetings shall as far as possible to be held in virtual mode and all the communication with the members, including the agenda and minutes of the meeting should take place through Standardization Portal only. The Chairperson of the Sectional Committee can, however, decide if it is desirable to have a physical meeting or a meeting in hybrid mode (both physical and virtual).

* 1. **Formulation of Search Committees**

As per the guidelines issued under the structural reforms in BIS, the MTDC in its 28th meeting held on 16th February 2022 constituted a search committee to recommend the technical experts to be included in Sectional Committees of this MTD. The Technical Committee members are requested to share the details of the technical experts to be co-opted in the various Sectional Committees of BIS with the members of search committee. The search committee consists of following members:

* + - 1. Chairperson of MTD 04 TC, Shri Nirvik Banerjee - Convenor
      2. Chairperson of MTD 24 TC, Dr.U.Kamachi Mudali - Member
      3. Chairperson of MTD 03 TC, Dr Vikas Kumar – Member

**12.3 Recognition of Contributions of Technical Committees and its Members**

**12.3.1** The success of national standardization is fully dependent on the efforts and voluntary contribution of the BIS technical committee members. For sustaining standardization work it is necessary to attract participation and ensure the continued interest of relevant experts in standards development activities, undertake outreach to share relevant information with them and to take measures to facilitate their participation. Since standardization is primarily driven by individual interest and voluntary contribution of members of technical committees, it is also important that such contributions are recognized, acknowledged and appreciated so that the experts involved in standardization work value their involvement and association with BIS and national standardization efforts. This has also been identified as one of the action points towards achieving BIS’s strategic objective of enhancing stakeholder engagement, as indicated in the Standards National Action Plan of BIS**.**

**12.3.2** It is therefore, BIS has proposed to institute the following recognitions/awards acknowledging contribution of individual members/experts and BIS technical committees and the Standards Advisory Committee, SAC of BIS has approved the same during its meeting dated 30 December 2022.

* + - 1. BIS Committee of the Year Award – to recognize significant contribution and outstanding performance of a BIS Sectional Committee or Sub-committee in development of Indian Standards
      2. Certificate of Excellence to Committee Members – to recognize members of technical committees for their long association with BIS and their outstanding technical contribution to national standardization work
      3. Letter of Appreciation to Committee members – to recognize significant contribution of members of technical committees in developing standard(s) that can be considered to be major development in the subject areas in national standardization.

**12.3.3** Guidelines covering the eligibility criteria, nomination process, selection process and criteria to decide on the awards have been framed and are placed below:



Guidelines for Recognition of Cont

**12.4** Guidelines for Payment of TA/DA to Members of BIS Technical Committees under BIS Funds are given below:



TA-DA Guidelines

for TC Members-110

**The Committee may please note.**

**ITEM 13. TASKS ASSIGNED TO THE TECHNICAL COMMITTEES BY BIS**

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

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

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

# Item 14 ANY OTHER BUSINESS

**14.1** During the previous meeting Shri D.K. Goash of M/s F.P.P.L. had informed that he had provided working drafts for formulating Indian Standards. The Working drafts are as follows and justification for the technical specifications are to be provided by Shri D.K. Goash of M/s F.P.P.L. or from members:

|  |  |  |
| --- | --- | --- |
| **Sl No.** | **Draft Indian Standard / Amendment** | **Documents** |
|  | Specifications for Liquid Phenol Formaldehyde Shell Resin for Use in Foundries |  |
|  | Specifications for Oil Based Alkyd Resin No Bake Binders for Use in Foundries |  |
|  | Specifications for Ester Cured Alkaline Phenolic Self Setting Binder System for Use in Foundries |  |
|  | Specifications for Phenolic Polyurethane No Bake (PUNB) Binders for Use in Foundries |  |
|  | Specifications for Phenol Formaldehyde Acid Cured No Bake Binders (PNB) for Use in Foundries |  |
|  | Specifications for Phenol Formaldehyde Hot Box Binder System for Use in Foundries |  |
|  | Specifications for Furan No Bake Binders for Use in Foundries |  |

**Item 15 DATE AND PLACE FOR THE NEXT MEETING**

**REVIEW ANALYSIS OF INDIAN STANDARD**

**(To be submitted to the Sectional Committee)**

1. **Sectional Committee No. & Title: MTD 14**

2. **IS No:**

1. **Title:**
2. **Date of review:**
3. **Review Analysis**

1. **Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Standard**  **(No. & Title)** | **Whether the standard has since been revised** | **Major changes** | **Action proposed** |
|  |  |  |  |

1. **Status of standards referred in the IS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Referred standards** **(No. & Title)** | **IS No. of this standards since revised** | **Changes that are of affecting the standard under review** | **Action proposed** |
|  |  |  |  |

1. **Any other standards available related to the subject & scope of the standard being reviewed (International/regional/other national/association/consortia, etc.**

**or of new or revision of existing Indian Standard)**

|  |  |  |
| --- | --- | --- |
| **Standard**  **(No. & Title)** | **Provisions that could be relevant while reviewing the IS** | **Action proposed** |
|  |  |  |

1. **Technical comments on the standard received, if any**

|  |  |  |  |
| --- | --- | --- | --- |
| **Source** | **Clause of IS** | **Comment** | **Action proposed** |
|  |  |  |  |

1. **Information available on technical developments that have taken place (on product/processes/practices/use or application/testing/input materials, etc)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Source** | **Development** | **Relevant clause of the IS under review**  **that is likely to be impacted**  **(Clause & IS No.)** | **Action proposed** |
|  |  |  |  |

1. **Issues arising out of changes in any related IS or due to formulation of new**

**Indian Standard**

|  |  |  |  |
| --- | --- | --- | --- |
| **Related IS and its Title**  **(revised or new)** | **Provision in the IS under review that would be impacted & the clause no. or addition of new clause/provision** | **Changes that may be necessary in the Standards under review** | **Action proposed** |
|  |  |  |  |

1. **Any consequential changes to be considered in other IS**

|  |  |
| --- | --- |
| **Related IS to get impacted** | **Requirements to be impacted** |
|  |  |

1. **Any other observation:**

1. **Recommendations:**

## 

**Annexure-2**

**COMPOSITION OF SECTIONAL COMMITTEE, MTD 14**

|  |  |  |
| --- | --- | --- |
| **Meeting** | **Date** | **Place** |
| Twenty first | 24th March 2023 | Hybrid Meeting at The Institute of Indian Foundrymen 67, Tughlakabad Institutional Area New Delhi-110062 |
| Twenty second | 26th July 2023 | Virtual Mode |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl**  **No.** | **Name of the Organization** | **Representative Principal/Alternate** | **19th** | **20th** | **21st** | **Last three meetings attended** |
| **1** | BHEL, Haridwar | Shri A N Sudhakar  Shri Ranjith Lakra (Alternate) | Y | Y | Y | 3/3 |
| **2** | Bharat Heavy Electricals Ltd, HPEP, Hyderabad | Shri Abhinav Agrawal | Y | Y | N | 2/3 |
| **3** | Indian Register of Shipping, New Delhi | Dr K K Dhawan  Shri S. Velmurugan (Alternate) | Y | Y | Y | 3/3 |
| **4** | Ministry of Defence (DGQA),  Ichapur | Shri Ashok Kumar  Shri Rupesh Banait (Alternate) | Y | N | Y | 2/3 |
| **5** | Ministry of Science &  Technology, New Delhi | Ms. Tamanna Arora | N | N | Y | 1/3 |
| **6** | National Institute of Foundry & Forging Technology, Ranchi | Dr.Kamlesh Kumar Singh  Dr.Amitesh Kumar (Alternate) | Y | N | Y | 2/3 |
| **7** | The Institute of Indian Foundry men, New Delhi | Shri. Dinesh Gupta  Shri. Sanjeev Kumar (Alternate) | N | Y | Y | 2/3 |
| **8** | Versatile Equipments Pvt.Ltd, Kolhapur | Shri Pushkraj Janwadkar  Shri Kiran Pandit (Alternate) | N | Y | N | 1/3 |
| **9** | CSIR – National Institute for Interdisciplinary Science and  Technology (NIIST),  Thiruvananthapuram | Dr. Tpd Rajan  Dr. M. Ravi (Alternate) | Y | N | Y | 2/3 |
| **10** | Hindustan Aeronautics, Foundry and Forge Division,  Bengaluru | Shri K Satyendra Kumar | Y | Y | N | 2/3 |
| **11** | NIT Manipur, Langol, Imphal | Prof. (Dr.) Goutam Sutradhar  Dr. Anil Kumar Birru (Alternate) | Y | Y | Y | 3/3 |
| **12** | Bhilai Engg. Corporation Ltd,  Bhilai | Shri Akhil Dubey | Y | N | N | 1/3 |
| **13** | The Wesman Engineering Co Pvt Ltd | Shri ranjan guha (Principal)  Shri Ashutosh Mondal (Alternate)  Shri Partha Chatterjee (Alternate) | Y | N | N | 1/3 |
| **14** | Disa India Ltd, Bangalore | Shri Sunil Kumar Ghosh  Shri Suresh Kumar A (Alternate) | - | - | N | 0/1 |
| **15** | Steel Cast Ltd, Bhavnagar | Shri B C Routrey | N | N | Y | 1/3 |

**Members not attend last three meetings**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl**  **No.** | **Name of the Organization** | **Representative Principal/Alternate** | **19th** | **20th** | **21st** | **Last three meetings attended** |
| 1 | BEML Limited, Bengaluru | Shri Mahens Kulkarni  Shri A. S. Phaneendra | N | N | N | 0/3 |
| **2** | Indian institute of Technology, Kharagpur | Prof. Sarat Ch. Panigrahi  Prof Rahul Mitra (Alternate) | N | N | N | 0/3 |
| **3** | Institute of Technology (BHU), Varanasi | Dr. Indrajit Chakrabarty  Dr. Jayant Kumar Singh (Alternate) | N | N | N | 0/3 |
| **4** | Ministry of Railway, RDSO, Lucknow | Shri C. Sengupta  Shri Raj Kishore Prasad (Alternate) | N | N | N | 0/3 |
| **5** | National Metallurgical  Laboratory, Jamshedpur | Dr. D.N Paswan  Ms. Minal Shah (Alternate) | N | N | N | 0/3 |
| **6** | Indian Ordnance Factory Board, Kolkata | Shri G. Jha  Shri A.K.Lala (Alternate) | N | N | N | 0/3 |
| **7** | CSIR-Central Mechanical  Engineering Research Institute,  Durgapur | Dr. Sudip Samantha | N | N | N | 0/3 |
| **8** | Leader Valves Ltd., Jalandhar | Smt. Purnima Beri  Shri Sarabjit Singh (Alternate) | N | N | N | 0/3 |

**Panel of the committee**

**MTD 14 : P1 - Panel for the revision of IS 11286 Panel**

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| **Sl No** | **Organization** | **Member Details** |
| 1 | National Institute of Foundry and Forge Technology, Ranchi | DR AMITESH KUMAR |
| 2 | Defence Metallurgical Research Laboratory, Ministry of Defence, Hyderabad | Shri Dibyendu Chatterjee |
| 3 | Mishra Dhatu Nigam Limited, Hyderabad | Shri A. D. Jambhulkar |

**MTD 14 : P2 - panel to discuss on comments W.r.t IS 11266-1985 Panel**

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| **Sl No** | **Organization** | **Member Details** |
| 1 | Bharat Heavy Electrical Limited, New Delhi | Shri A. N. Sudhakar |
| 2 | Forace Polymers Private Limited, Haridwar | Shri Deepak Kumar Ghosh |

**MTD 14 : P6 – Panel to review ARP**

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| **Sl No.** | **Name of the Organization** | **Representative**  **Principal/Alternate** |
| 1. | BHEL, Haridwar | Shri Sudhakar A N  Shri Ranjith lakra |
| 2. | Chawla Silca Sand Trading Co. Allahabad | Shri Raju Chawla  Shri Darshan Chawla (Alternate) |
| 3. | CSIR-CMERI | Dr Sudip Samantha |
| 4. | CSIR-NIIST | Dr. TPD Rajan  Dr. M. Ravi (Alternate) |
| 5. | DGQA | Shri Ashok Kumar  Shri Rupesh Banait (Alternate) |
| 6. | Disa India Ltd, Bangalore | Shri Sunil Kumar Ghosh  Shri Suresh Kumar A (Alternate) |
| 7. | Forace Polymers Pvt Ltd, Haridwar | Shri Deepak Kumar Ghosh |
| 8. | Indian institute of Technology, Kharagpur | Prof. Sarat Ch. Panigrahi |
| 9. | Ministry of Railway, RDSO, Lucknow | Shri C. Sengupta |
| 10. | National Institute of Foundry & Forging  Technology, Ranchi | Dr. Kamlesh Kumar Singh  Dr. Amitesh Kumar (Alternate) |
| 11. | NIT, Manipur | Prof. (Dr.) Goutam Sutradhar  Dr. Anil Kumar Birru(Alternate) |
| 12. | The Wesman Engg Co. Ltd, Kolkata | Shri Ranjan Guha  Shri Partha Chatterjee |
| 13. | Versatile Equipments Pvt.Ltd, Kolhapur | Shri Pushkraj Janwadkar |

**Attendance of members in the committee** - If a member fails to attend two consecutive meetings of the Sectional Committee, communication should be sent to him by the Head of the Department concerned seeking his cooperation in the functioning of the Committee. If the member concerned fails to attend the Sectional Committee meeting even after the communication was sent, his/her membership shall be liable to be terminated. The Sectional Committee should review all these cases and the cases of absenteeism of serious nature and make suitable recommendations for their replacement to the Divisional Council. Following members have not attended last three meetings of the committee

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| --- | --- |
| **Sl No.** | **Name of the organization** |
| i) | Indian institute of Technology, Kharagpur |
| ii) | Institute of Technology (BHU), Varanasi |
| iii) | Ministry of Railway, RDSO, Lucknow |
| iv) | National Metallurgical Laboratory, Jamshedpur |
| v) | Indian Ordnance Factory Board, Kolkata |

Emails were sent to above members but not received any response from them till date.

The Committee has recommended for withdrawal of the following organizations/ Members from the sectional committee due to no interest shown/non-participation of these members in the work of the technical committee in the 21st TC meeting.

|  |  |
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| **Sl No.** | **Name of the Organization/ personal capacity** |
| 1 | Tata Motor, Jamshedpur |

It is to inform to the Committee that the recommendations from the committee are given to Metallurgical Engineering Division Council, MTDC for the withdrawal of the above members from the Committee on its 29th Meeting held on 26th Sept 2022. Accordingly, the members were withdrawn from the Committee.

The committee, in its previous meeting, recommended for co-option of the following Organizations in the committee are as follows:

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| **Sl No.** | **Name of the Organization/ personal capacity** |
| 1. | M/s IIT Roorkee |
| 2. | M/s Bluestar Malleable Pvt. Ltd., Jamshedpur |
| 3. | M/s Star Wire (India) Limited, Faridabad |
| 4. | M/s Shilpa Alloys Pvt. Ltd., Jaipur |
| 5. | M/s Thermal Castings LLP, Ahmedabad |
| 6. | M/s Foseco India Limited, Pune |
| 7. | M/s Forace Polymers Pvt Ltd, Haridwar |
| 8. | M/s Brakes India Private Limited, Foundry Division, Chennai |
| 9. | M/s Hinduja Foundries (A division of Ashok Leyland Limited), Ennore, Chennai |
| 10. | M/s Nelcast Limited, Chennai |
| 11. | CSIR-AMPRI, Bhopal |