## ***For BIS Use Only***

#### BISMALLL

#### **BUREAU OF INDIAN STANDARDS**

#### ***(Mechanical Engineering Department)***

#### ***AGENDA***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of the Committee** | **Meeting No.** | **Day** | **Date** | **Time** | **Mode of Meeting** |
| **Cranes, Lifting Chains And Related Equipment, MED 14** | **26th** | **Tuesday** | **17 December 2024** | **10:00 h** | **Hybrid \*** |
| ***\* Ways to join the Meeting:**** **Through physical presence:**

**Venue:** Vimarsha (Blue room), Bureau of Indian Standards Manak Bhawan, 9, Bahadur shah zafar Marg, New Delhi 110002* **Join from the Webex meeting link:**

VC Meeting URL: <https://bismanak.webex.com/bismanak/j.php?MTID=ma4ec094c189272b19323d93aa08e1225>Meeting ID : 2513 927 6124Password : MED14 |
| **Chairperson:** Rabi Shankar Prasad GM (Mech.) CET-SAIL, Ranchi  | **Member Secretary:** Shri Shubham Yadav Scientist ‘C’ (Mech. Engg. Deptt), BIS |

**ITEM 0 WELCOME, OPENING REMARKS AND OPENING AGENDA ITEMS**

**0.1** Welcome & Opening remarks by Head (Mechanical Engineering Department)

**0.2** Welcome & Opening Remarks by Chairperson, MED 14

**ITEM 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING**

The Minutes of the 25th TC meeting of Cranes Lifting Chains and Related Equipment Sectional Committee, MED 14 was circulated to the members on 8th August 2024. No comments have been received on the minutes of the 24th Meeting.

***The Committee may CONFIRM the minutes of the last meeting.***

**ITEM 2 SCOPE AND COMPOSITION OF THE SECTIONAL COMMITTEE**

**2.1Scope**

During the 25th Technical Committee meeting the committee approved the below Scope of the MED 14 committee;

“Standardization of cranes, hoists, winches, lifting chains, sheaves, suspension gears, hooks, swivel and shackles.”

The scope outlined above will be presented for approval at the upcoming MEDC meeting.

***The committee may please note.***

**2.1.1 Liaison with ISO/IEC**

Coordination of work with the following ISO Committees:

| **ISO #** | **Title** | **M-ship** |
| --- | --- | --- |
| ISO/TC 96 | Cranes | Permanent |
| [ISO/TC 96/SC 2](http://www.iso.org/iso/home/standards_development/list_of_iso_technical_committees/iso_technical_committee.htm?commid=50652) | Terminology | Permanent |
| [ISO/TC 96/SC 3](http://www.iso.org/iso/home/standards_development/list_of_iso_technical_committees/iso_technical_committee.htm?commid=50654) | Selection of wire ropes | Permanent |
| [ISO/TC 96/SC 4](http://www.iso.org/iso/home/standards_development/list_of_iso_technical_committees/iso_technical_committee.htm?commid=50656) | Test methods | Permanent |
| [ISO/TC 96/SC 5](http://www.iso.org/iso/home/standards_development/list_of_iso_technical_committees/iso_technical_committee.htm?commid=50658) | Use, operation and maintenance | Permanent |
| [ISO/TC 96/SC 6](http://www.iso.org/iso/home/standards_development/list_of_iso_technical_committees/iso_technical_committee.htm?commid=50660) | Mobile cranes | Permanent |
| [ISO/TC 96/SC 7](http://www.iso.org/iso/home/standards_development/list_of_iso_technical_committees/iso_technical_committee.htm?commid=50664) | Tower cranes | Permanent |
| [ISO/TC 96/SC 8](http://www.iso.org/iso/home/standards_development/list_of_iso_technical_committees/iso_technical_committee.htm?commid=50668) | Jib cranes | Permanent |
| [ISO/TC 96/SC 9](http://www.iso.org/iso/home/standards_development/list_of_iso_technical_committees/iso_technical_committee.htm?commid=50672) | Bridge and gantry cranes | Permanent |
| [ISO/TC 96/SC 10](http://www.iso.org/iso/home/standards_development/list_of_iso_technical_committees/iso_technical_committee.htm?commid=344665) | Design principles and requirements | Permanent |
| ISO/TC 111 | Round steel link chains, chain slings, components and accessories | Permanent |
| [ISO/TC 111/SC 1](http://www.iso.org/iso/home/standards_development/list_of_iso_technical_committees/iso_technical_committee.htm?commid=51628) | Chains and chain slings | Permanent |
| [ISO/TC 111/SC 3](http://www.iso.org/iso/home/standards_development/list_of_iso_technical_committees/iso_technical_committee.htm?commid=51636) | Components and accessories | Permanent |

***The Committee may propose any addition/deletion/modification required in the scope.***

**2.2.1 Structure of the Committee**

The committee structure has been revised according to directives from the competent authority of BIS. The panel has now been reformulated, and the details are provided below;

|  |  |  |
| --- | --- | --- |
| **0****Sub-Committees** | **05****Panels** | **0****Working Groups** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **Working Panel Number**  | **Working Panel Name**  | **Panel Composition**  | **Work Status**  |
| **1** | MED 14: P8 | Panel for the standards related to Terminology, Classification, Use, operation and maintenance of Cranes | a) Shri Hemant Kumar of M/s BEML Limited, Bengalurub) Shri Pradip Chitlangia of M/s Indian Chain Private Limited, Kolkata (*Convenor*)c) Shri Rohan Chitlangia of M/s Indian Chain Private Limited, Kolkata (*Alternate Member*)d) Shri Anand Mitkari of M/s Mukand Limited, Thane | 1. Revision of standards IS 4594 and IS 6521-1
2. Revision draft for the pending Pre-2000 standards and comments on the existing WC drafts
 |
| **2** | MED 14: P9 | Panel for the standards related to the Safety Aspect of Cranes and related Equipment | **a) Shri Preet Heri of M/s Kito India Pvt. Ltd., Bengaluru (*Convenor*)****b)** Shri Dipak Patel of M/s Schneider Electric India Pvt. Ltd., Ahmedabad**c)** Shri Deepak Desai of M/s Konecranes and Demag Pvt Ltd, Pune**d)** Shri R S Prasad of M/s IPSS Secretariat CET, New Delhi**e)** Shri Prashant P of M/s Seimens Ltd., Thane and Shri Sourav Sadhukhan**f)** Shri Anand Mitkari of M/s Mukand Ltd, Thane**g)** Shri Sandeep D. Bhattad of Metso Outotec India Pvt. Ltd. (User)**f)** Shubham Yadav, Sc-C, BIS | The standard formulation on the subject ‘Safety aspect of cranes’ |
| **3** | MED 14: P10 | Ballots and meetings of ISO/TC 96 and its sub-committees | **a) Shri Deepak Biswa of M/s Steel Authority of India, Centre for Engineering and Technology, Ranchi (*Convenor*)****b)** Shri Heeralal Bharani M/s Bharat Heavy Electrical Limited, New Delhi**c)** Shri Ravindra Singh Bisht M/s CSIR - Central Building Research Institute, Roorkee**d)** Shri Niranjan Mazire M/s Electromech Material Handling Systems, Pune**e)** Shri Shyam M. Gurnani M/s Furnace and Foundry Equipment Company, Mumbai**f)** Shri Ravinder Sharma M/s Jindal Steel and Power Limited, New Delhi**g)** Shri Preet H. Heri M/s KITO India Private Limited, Bengaluru**h)** Shri Ankit Jalan M/s MECON Limited, Ranchi**i)** Shri Rabi Shankar Prasad M/s Steel Authority of India, Centre for Engineering and Technology, Ranchi**j)** Shri Biplab Ghosh M/s TIL, Kolkata**k)** Shri J. B. Bhatt M/s Techno Industries Limited, Ahmedabad**l)** Shri G. L. Mirchandani M/s Unique Industrial Handlers Private Limited, Mumbaim) Mr Shubham Yadav, Scientist ‘C’/Deputy Director, BIS (MS) | Review of Ballots received from ISO and submitting the comments for the revision drafts and NWIPs. |
| **4** | MED 14: P11 | Ballots and meetings of ISO/TC 111, ISO/TC 111/SC 1 and ISO/TC 111/SC 3 | **a) Shri Pradip Chitlangia M/s Indian Chain Private Limited, Kolkata (*Convenor*)****b)** Shri Shajahan M/s Indian Space Research Organization, Bengaluru**c)** Mr Shubham Yadav, Scientist ‘C’/Deputy Director, BIS (MS) | Review of Ballots received from ISO and submitting the comments for the revision drafts and NWIPs. |
| **5** | MED 14: P12 | Standards related to Winches, Lifting chains, Hooks, Hoists and Other lifting appliances | **a) Shri Preet H. Heri M/s KITO India Private Limited, Bengaluru (*Convenor*)****b)** Shri Shishupal Choudhury M/s Engineers India Limited, New Delhi**c)** Shri Shyam M. Gurnani M/s Furnace and Foundry Equipment Company, Mumbai**d)** Shri Ravinder Sharma M/s Jindal Steel and Power Limited, New Delhi**e)** Shri Deepak Desai M/s Kone Cranes and Demag Private Limited, New Delhi**f)** Shri Ankit Jalan M/s MECON Limited, Ranchi**g)** Shri Anshuman Bhandari M/s MN Dastur and Company Private Limited, Kolkata**h)** Shri Deepak Patel M/s Schneider Electric India Private Limited, Gurugram**i)** Shri Sourav Sadhukhan M/s Siemens Limited, Mumbai**j)** Shri Rabi Shankar Prasad M/s Steel Authority of India, Centre for Engineering and Technology, Ranchi**k)** Shri J. B. Bhatt M/s Techno Industries Limited, Ahmedabad | Review of 1. IS 5749
2. IS 15560
3. IS 3938
4. IS 9507
5. IS 807
 |

***Action Points:***

1. ***The committee is asked to review the compositions of MED 14: P 8 and MED 14: P 12 and finalise the panels' conveners.***
2. ***The committee is kindly requested to review the composition and structure of the other panels with the current work status and formally approve the panels along with their composition and convener.***

**2.3.1 Standards under Quality Control Orders**

Currently,none of the Indian Standards under MED 14 are under any mandatory certification. However, the draft Quality control orders have been finalized for the following standards;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **IS Number**  | **Title**  | **Current Status**  | **Action to be taken** |
| **1** | IS 3832: 2005 | Chain Pulley Block | Revised draft to be widely circulated  | Under Revision(See Sr. No. 4 of ITEM 4)  |
| **2** | IS 11340: 2020 | Ratchet Lever Hoist | Amendment no. 1 Published in August 2024 | NIL |
| **3** | IS 5604: 1984 | Hand Operated Universal Gearless Pulling and Lifting Machines | Under WC-Draft | The standard is under revision and the draft has been sent to WC till 24.01.2025.(See Sl No. 3 of 4.1)  |

**ITEM 3 REVIEW OF PUBLISHED INDIAN STANDARD**

As an ongoing activity, the Sectional Committee reviews the Indian Standards formulated by it at an interval of five years from the date of publication. During review, the committee may decide either to reaffirm or to revise/withdraw the standards based on the latest technology available on the subject at the time of review. Options available are:

1. Revise
2. Amend
3. Withdraw
4. Reaffirm (for adopted standards only)
5. Reaffirm and Archive\*

BIS Management is very much concerned about the revision of Standards based on the latest technology and their utilisation by concerned stakeholders. It has been observed that many standards have been published long back and the specification through amendment/revision remains the same. It is not known whether these standards are being used by anyone. Therefore, the technical committee is requested to examine whether these standards may be withdrawn if they cover either obsolete technology or are not used in the country. Accordingly, the list of the standards along with their base standard and the status of the base standard is mentioned below which needs review by the committee.

**3.1 Archiving of Standards:** In cases where the standard is due for review and the Committee feels the document is not to be revised due to reasons either *there is no latest development in the standard* or the *Committee composition doesn’t have the requisite expertise to decide on the subject matter*; then, the document is to be decided for ***Reaffirm and Archive***.

The following standards have been identified by the MS for Archiving. The committee is requested to finalize the below standards for revision as Reaffirm and Archive.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **IS Number** | **IS Title** | **Last Reaffirmation/Revision Year** | **Remark** |
| 1 | IS 13058: 1991/ISO 7592:1983 | Calibrated round steel link lifting chains - Guidelines for proper use and maintenance | 2020 | - |
| 2 | IS 13558 (Part 4): 1993/ISO 7752-4:1989 | Cranes - Controls - Layout and characteristics: Part 4 jib cranes | 2023 | - |
| 3 | IS 13559 (Part 1): 1993/ISO 9374-1:1989 | Cranes - Information to be provided: Part 1 General | 2023 | - |
| 4 | IS 13559 (Part 4): 1992/ISO 9374-4:1989 | Cranes - Information to be provided: Part 4 jib cranes | 2023 | - |
| 5 | IS 14471: 1997/ISO 7363:1986 | Cranes and lifting appliances - Technical characteristics and acceptance documents | 2023 | - |
| 6 | IS 6511 : 1997/ISO 2374:1983 | Lifting appliances - Range of maximum capacities for basic models (First Revision) | 2023 | - |
| 7 | IS 10131 : 1992 | Link chain ends and chain bows for bucket elevators - Specification (First Revision) | 2023 |  |
| 8 | IS 13156 : 1991 | Sheave pulley blocks for wire rope - Specification | 2020 | - |
| 9 | IS 13308 : 1992  | Lifting appliances - Sheaves - Technical supply condition | 2023 | - |
| 10 | IS 13367 (Part 1) : 1992  | Safe use of cranes - Code of practice : Part 1 general | 2023 | - |
| 11 | IS 13834 (Part 3) : 1995ISO 4301-3:1993 | Cranes - Classification: Part 3 tower cranes | 2020 | - |
| 12 | IS 14472 (Part 5) : 1997ISO 9374-5:1991 | Cranes - Information to be provided Part 5 Overhead travelling cranes and portal bridge cranes | 2018 | - |
| 13 | IS 2429 (Part 1) : 1987 | Specification for round steel short link chains (Electric Butt Welded), grade L(3): Part 1 Non - Calibrated load chain for lifting purposes (Third Revision) | 2023 | - |
| 14 | IS 2759 : 1969 | Specification for higher tensile steel point hooks for use with wire rope thimbles | 2022 | - |
| 15 | IS 7865 : 1975 | General requirements of & tonne hooks for lifting ISO series 1 freight containers of up to 30 tonnes capacity | 2020 | - |

**3.2 Documents under process**

**3.2.1 Docs in Development**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl No.** | **Document Number** | **IS Number** | **Document Title** | **Document Type** | **Document Stage** | **Last Action Date** | **Remarks** |
| 1. | MED/14/24553 | IS/ISO 2415: 2004(Identical To: ISO 2415: 2022) | Forged Shackles For General Lifting Purposes Dee Shackles And Bow Shackles (First Revision)  | Revision | WC-Draft | 02-02-2024 | ***The document has completed WC time. The committee may please finalize the document for printing.*** |
| 2. |  MED/14/24686 | (Identical To: ISO 14518 : 2005) | Cranes Requirements For Test Loads | New | WC-Draft | 02-02-2024 | ***The document has completed WC time. The committee may please finalize the document for printing.*** |
| 3. | MED/14/26969 | IS 5604: 1984 | Hand-Operated Universal Gearless Pulling and Lifting Machines Specification Second Revision | Revision | WC-Draft | 25-11-2024 | ***The document is under wide circulation till 24/01/2025.****(See Sl No. 11 of 4.1)*  |

**3.2.2 Docs in Print**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl No** | **Document Number** | **IS Number** | **Document Title** | **Document Type** | **Document Stage** | **Last Action Date** | **Remarks** |
| 1. | Nil |  |  |  |  |  |  |

*The Committee may please note.*

**3.3 Periodic 5-yearly review**

**Standards due for review in the Financial Year (2024-25)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **IS/ISO No.** | **Title** | **Due on** | **Recommended Action** |
|  | IS 11340: 2020 | Ratchet Lever Hoist — Specification (First Revision) | March, 2025 | ***Amendment no. 1 was Published in August 2024. The committee may formally reaffirm the standard.*** |
|  | IS 3177: 2020 | Electric Overhead Travelling Crane and Gantry Crane for all Applications — Code of Practice (Third Revision) | March, 2025 | ***Under Revision. Please see Sr. No. 16 of ITEM 4.1*** |
|  | IS 4573: 2020 | Power Driven Mobile Cranes — Specification (Second Revision) | March, 2025 | ***A representation from Liebherr India Private Limited, Kolkata has been received on the standard and attached below;***[***Letter.pdf***](https://drive.google.com/file/d/1cBqzMXaLov4m8dSIjOFNRg5Z86ZgkxKy/view?usp=drive_link) |
|  | IS 15419: 2004 | Jib cranes - Code of practice | April, 2024 | ***ARP may be allotted to committee members or Panels.*** |
|  | IS 8324: 1988 | Code of practice for safe use and maintenance on non - Calibrated round steel link lifting chains and chain slings (First Revision) | April, 2024 | ***Under Revision. Please see Sr. No. 3 of ITEM 4.*** |
|  | IS/ISO 8686-1: 2012 | Cranes - Design principles for loads and load combinations: Part 1 general (First Revision) | April, 2024 | ***During its 25th Technical Committee meeting, the committee decided to reaffirm the listed standards from serial numbers 6 to 12, as there have been no changes to the ISO standards.******Please be informed that the reaffirmation of these standards will be processed on the BIS portal through the ARP review procedure, provided no comments will be received on the draft ARP report circulated to the members.*** |
|  | IS/ISO 1834 : 1999 | Short link chain for lifting purposes - General conditions of acceptance | April, 2024 |
|  | IS/ISO 3077 : 2001 | Short link chain for lifting purposes grade t (types t, oat and dt), fine-tolerance hoist chain | April, 2024 |
|  | IS/ISO 3076 : 2012 | Round steel short link chains for general lifting purposes - Medium tolerance sling chains for chain slings - Grade 8 (First Revision) | April, 2024 |
|  | IS/ISO 4306-2 : 2012 | Cranes - Vocabulary: Part 2 mobile cranes (Second Revision) | April, 2024 |
|  | IS/ISO 4310 : 2009 | Cranes - Test code and procedures | April, 2024 |
|  | IS/ISO 8686-4 : 2005 | Cranes - Design principles for loads and load combinations: Part 4 Jib cranes | April, 2024 |
|  | IS/ISO 2415: 2004 | Forged shackles for general lifting purposes - Dee shackles and bow shackles | April, 2024 | ***Completed wide circulation stage***. |

**3.4 Review of Pre-2000 Standards**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl****No.** | **IS No** | **Title** | **Decisions taken by the committee in the previous meeting** | **Proposed Action/Status of the Action** |
| 1 | IS 10131: 1992 | Link chain ends and chain bows for bucket elevators - Specification (First Revision) | The Committee decided to revise these documents with editorial changes. The draft to be circulated to committee members for 15 days, to be wide-circulated for 2 months, and to be sent for printing, if no comments are received during any stage. | Reaffirmed and Archive ITEM 3.1 |
| 2 | IS 13058: 1991ISO 7592:1983 | Calibrated round steel link lifting chains - Guidelines for proper use and maintenance | The Committee decided to revise these documents with editorial changes. The draft to be circulated to committee members for 15 days, to be wide-circulated for 2 months, and to be sent for printing, if no comments are received during any stage. | Reaffirmed and ArchiveITEM 3.1 |
| 3 | IS 13156: 1991 | Sheave pulley blocks for wire rope - Specification | The Committee decided to revise these documents with editorial changes. The draft to be circulated to committee members for 15 days, to be wide-circulated for 2 months, and to be sent for printing, if no comments are received during any stage. | Reaffirmed and ArchiveITEM 3.1 |
| 4 | IS 13308: 1992 | Lifting appliances - Sheaves - Technical supply condition | The draft is pending from the panel. | ***Identify to archive as the draft has been pending for a long time with the panel.******ITEM 3.1*** |
| 5 | IS 13367 (Part 1): 1992 | Safe use of cranes - Code of practice: Part 1 General | The Committee decided to revise the document based on the draft fromMr Sandeep D Bhattad, M/s Kone Cranes, New Delhi to be provided by Feb 2023. The draft is to be circulated to committee members for 15 days, to be wide-circulated for 2 months, and to be sent for printing, if no comments are received during any stage.***As Mr Sandeep Bhattad Joined from M/s Kone Cranes has now Joined M/s Mo Group and has requested co-options for his new nomination.******Nomination Received Dated from Shri Sandeep Bhattad. The committee is requested to accept the nomination***[20230509\_MED14\_Sandeep\_Bhattad\_Nomination\_Mail.pdf](https://drive.google.com/file/d/1JF3aqlC8RUMLSjsAV_-Za8oN1KmFbyOi/view?usp=sharing)[20230509\_MED14\_Sandeep\_Bhattad\_Nomination.pdf](https://drive.google.com/file/d/1RecsRe3P3A1VJTkuLIQCsLaMm4BTBtZc/view?usp=sharing) | ***The draft has not been provided by Shri Sandeep Bhattad to date therefore it is recommended to archive the standard for now and may be revised later when the draft is received by Shri Sandeep Bhattad.*** |
| 6 | IS 13558 (Part 5) : 1993/ISO 7752-5:1985  | Cranes - Controls - Layout and characteristics: Part 5 overhead travelling cranes and portal bridge cranes | The Committee decided to revise these documents with editorial changes. The draft to be circulated to committee members for 15 days, to be wide-circulated for 2 months, and to be sent for printing, if no comments are received during any stage. | Reaffirmed and Archive ITEM 3.1 |
| 7 | IS 13834 (Part 2) : 1993ISO 4301-2:1985 | Cranes - Classification: Part 2 mobile cranes | *Published In December 2023.* | - |
| 8 | IS 13834 (Part 3) : 1995ISO 4301-3:1993 | Cranes - Classification: Part 3 tower cranes | The Committee decided to revise these documents with editorial changes. The draft to be circulated to committee members for 15 days, to be wide-circulated for 2 months, and to be sent for printing, if no comments are received during any stage. | Reaffirmed and Archive ITEM 3.1 |
| 9 | IS 14472 (Part 5) : 1997ISO 9374-5:1991 Reviewed In : 2018 | Cranes - Information to be provided Part 5 Overhead travelling cranes and portal bridge cranes | The Committee decided to revise the document based on the draft received from Mr Rohit Chitlangia, M/s Indian Chains The Committee invited comments from members till 14 Feb 2023, if any, to be forwarded to Mr Rohit Chitlangia, M/s Indian Chains for providing the finalised draft. The draft is to be circulated to the committee for 15 days, to be wide-circulated for 2 months, and to be sent for printing, if no comments are received during any stage.*As No Comments were received on 13 Mar 2023, The Document will be sent for P Draft-circulation for 15 Days.* | Reaffirmed and Archive ITEM 3.1  |
| 10 | IS 2429 (Part 1): 1987 | Specification for round steel short link chains (Electric Butt Welded), grade L(3): Part 1 Non - Calibrated load chain for lifting purposes (Third Revision) | Committee decided to withdraw the standard. | The committee may please confirm whether the standard is to be withdrawn or Reaffirmed and Archive |
| 11 | IS 2759 : 1969  | Specification for higher tensile steel point hooks for use with wire rope thimbles | Committee decided to withdraw the standard. | The committee may please confirm whether the standard is to be withdrawn or Reaffirmed and Archive |
| 12 | IS 2760: 1980  | Specification for steel chain slings (First Revision) | The committee decided to wide circulation of the standard after making editorial changes for 60 days as no technical changes are required. | *See Sl No.*3 of Item 4.1 |
| 13 | IS 3109 (Part 1) : 1982  | Specification for short link chain, grade M (4): Part 1 non - Calibrated load chain for lifting purposes (Second Revision) | The committee decided to wide circulation of the standard after making editorial changes for 60 days as no technical changes are required. | *See Sl No.*3 of Item 4.1 |
| 14 | IS 3938: 1983 | Specification for electric wire rope hoists (Second Revision) | The committee decided to wide circulation of the standard after making editorial changes for 60 days as no technical changes are required. |  |
| 15 | IS 4164: 1976  | Specification for Lifting `C' Hooks with Eye - Capacity up to 25 Tonnes | The committee decided to wide circulation of the standard after making editorial changes for 60 days as no technical changes are required. | *See Sl No.*9 of Item 4.1 |
| 16 | IS 4178 : 1967 | Specification for eye nuts with collars | The committee decided to wide circulation of the standard after making editorial changes for 60 days as no technical changes are required. | R&D Project |
| 17 | IS 4190 : 1984 | Specification for eye bolts with collars (First Revision) | The committee decided to wide circulation of the standard after making editorial changes for 60 days as no technical changes are required. |  |
| 18 | IS 4594 : 1968 | Code of practice for design of portal and semi - Portal wharf cranes (Electrical) | The committee decided to wide circulation of the standard after making editorial changes for 60 days as no technical changes are required. | *See Sl No.*1 of Item 4.1 |
| 19 | IS 5604 : 1984  | Specification for hand - Operated universal gearless pulling and lifting machines (First Revision) | The committee decided to wide circulation of the standard after making editorial changes for 60 days as no technical changes are required. | *See Sl No.*11 of Item 4.1 |
| 20 | IS 5749 : 1970 | Specification for forged ramshorn hooks | The committee decided to wide circulation of the standard after making editorial changes for 60 days as no technical changes are required. |  |
| 21 | IS 6217 : 1982  | Specification for short link chain, grade S (6), non - Calibrated for lifting purposes (First Revision) | The committee decided to wide circulation of the standard after making editorial changes for 60 days as no technical changes are required. | *See Sl No.*10 of Item 4.1 |
| 22 | IS 6296 : 1983 | Specification for short link chain grade S(6) calibrated for pulley blocks and other lifting appliances (First Revision) | The committee decided to wide circulation of the standard after making editorial changes for 60 days as no technical changes are required. | *See Sl No.*12 of Item 4.1 |
| 23 | IS 6498 : 1971 | Glossary of terms used in connection with pulley blocks | The committee decided to wide circulation of the standard after making editorial changes for 60 days as no technical changes are required. | *See Sl No.*13 of Item 4.1 |
| 24 | IS 6521 (Part 1) : 1972 | Code of practice for design of tower cranes: Part 1 static and rail amounted | The committee decided to wide circulation of the standard after making editorial changes for 60 days as no technical changes are required. | *See Sl No 5*  of Item 4.1 |
| 25 | IS 6549 : 1972  | Glossary of terms used in connection with lifting tackle | The committee decided to wide circulation of the standard after making editorial changes for 60 days as no technical changes are required. | *See Sl No.*14 of Item 4.1 |
| 26 | IS 7847 : 1975  | General characteristics of lifting hooks | The committee decided to wide circulation of the standard after making editorial changes for 60 days as no technical changes are required. | *See Sl No.*15 of Item 4.1 |
| 27 | IS 7865 : 1975  | General requirements of & tonne hooks for lifting ISO series 1 freight containers of up to 30 tonnes capacity | The Committee decided to adopt the revised version by revising the existing Indian Standard, and to wide-circulate this standard for one month and to send for printing, in case, no comments received during wide-circulation. | Reaffirmed and Archive ITEM 3.1 |
| 28 | IS 8324 : 1988  | Code of practice for safe use and maintenance on non - Calibrated round steel link lifting chains and chain slings ( First Revision) | The Committee decided to adopt the revised version by revising the existing Indian Standard, and to wide-circulate this standard for one month and to send for printing, in case, no comments received during wide-circulation. | *See Sl No.*3 of Item 4.1 |
| 29 | IS 9507: 1979 | Specification for general purpose electric power driven winches for lifting and hauling | The Committee decided to adopt the revised version by revising the existing Indian Standard, and to wide-circulate this standard for one month and to send for printing, in case, no comments received during wide-circulation. |  |
| 30 | IS/ISO 1834: 1999 | Short link chain for lifting purposes - General conditions of acceptance | The Committee decided to adopt the revised version by revising the existing Indian Standard, and to wide-circulate this standard for one month and to send for printing, in case, no comments received during wide-circulation. | See sl No. 7 of **3.3** |

**3.5 New Standards to be taken up/already under progress**

*The Committee may decide on new standards to be taken up for formulation in 2025-2026.*

**3.6 Standards with Research**

*The following R&D projects are allotted in MED 14 as of date and the details of these projects are mentioned below;*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr. No.** | **Project Code** | **Title of the project** | **Project awarded to** | **Mid-term progress report**  | **Fund utilization report** |
| 1 | MED 0153 | Study of latest technological developments and practices in the life cycle of Non-Calibrated round steel link lifting chains and chain slings. | Dr Md. Sikander Azam IIT(ISM) Dhanbad | [ANNEX E \_MED\_0153\_Chains\_All\_merged.pdf](https://drive.google.com/file/d/1EpFEABTm1c3cD8-rqNAzqg6hip7LHkMg/view?usp=drive_link) | [Fund utilisation MED 0153.pdf](https://drive.google.com/file/d/1zMEExordpRM-HzXoPiBiT8FJ6l8W0_J3/view?usp=drive_link) |
| 2 | MED 0148 | Study of latest technological developments and practices in the life cycle of eye nut with collar for lifting purposes. | Dr Md. Sikander Azam IIT(ISM) Dhanbad | [4. Detailed progress report with annexure I.pdf](https://drive.google.com/file/d/1Xdu_SsatuPyH4fwbkqIT8vPUjx25RAAp/view?usp=drive_link) | [Fund utilisation certificate MED 0148.pdf](https://drive.google.com/file/d/1KPTfHaks5nhXdet4C3mI4syATChYGzoS/view?usp=drive_link) |

***The mid-term report and fund utilization report have already been circulated to committee members for their review. As no adverse comments were received, the reports have been sent to the Chairperson for approval. The committee members and Chairperson may formally accept the mid-term report.***

***Additionally, the project leader has requested an extension for his project. According to the guidelines for R&D projects, extensions can be granted for a maximum of two months. Therefore, the committee is requested to approve the extension of the project.***

[***Request for Extension for the project MED 0148.pdf***](https://drive.google.com/file/d/1OciXl4BY-1eZVavqA_rFYqB8qHni2imN/view?usp=drive_link)

[***Request for Extension of Project (MED 0153) Completion Date by 3 months.pdf***](https://drive.google.com/file/d/1dtYWEiemytKJu7XrU0oWO_RD4ZOt5RSg/view?usp=sharing)

**ITEM 4 ACTION ARISING OUT OF THE PREVIOUS MEETING**

**4.1** The summary of decisions on action taken in the minutes of the last meeting is given below:

| **Decision taken during 20th meeting** | **Actions taken since 20th meeting** | **Decision taken in this meeting** | **ATR** |
| --- | --- | --- | --- |
| 1. **IS 4594 ‘Code of practice for design of portal and semi portal wharf cranes (electrical)’**
 |
| Revision draft shall be put under wide circulation for 2 months under Doc: [MED 14 (18600)].The committee noted the information.If no comments are received, the document shall be sent for printing. | The document is being prepared based on a draft received from Shri Anand Mitkari, M/s Mukund Limited, Thane.[IS 4594 draft From Shri Anand Mitkari.docx](https://docs.google.com/document/d/1H5i2xL1YZBFWq9_370ypk0qaf4L4mBRK/edit?usp=share_link&ouid=115138130947626537568&rtpof=true&sd=true) | The Committee decided to revise the standard based on draft received along with editorial changes. The draft to be circulated to committee members for 15 days, to be wide-circulated for 2 months, and to be sent for printing, if no comments received during any stage. | The draft will be circulated to all the members within 1 month's time. |
| **Background**Draft is provided by Shri Anand Mitkari vide mail dated 29/09/2021.Received Draft will be wide circulated for 2 months.If no comments are received, document shall be finalised for printing.Shri Anand Mitkari of M/s Mukand agreed to provide the revision draft of IS 4594 ‘Code of practice for design of portal and semi portal wharf cranes (electrical)’ within **02 weeks** in consultation with the panel members.The draft received to be circulated as P-draft for 01 month to the Committee members for comments.a) Shri Anand Mitkari of M/s Mukund (***convener***)b) Shri Sourav Sadhukhan of M/s Siemens Ltd.c) Shri R.S Prasad of M/s SAIL-CET & IPSSd) Shri Shashikant and Shri Nishit Patel of M/s Anupam Industries e) Shri T. Muralidhar of M/s Mukundf) Shri S.K Mitra of M/s Anupam Industriesg) Shri Shyam Gurnani of M/s Fefcoh) Shri Deepak Desai of M/s Konecranes and Demag Pvt Ltd.Draft is provided by Shri Anand Mitkari vide mail dated 29/09/2021. |
| 1. **Safety Requirements of Rail Mounted Quay Cranes**
 |  |
| Member secretary informed the committee that the draft will be circulated as P draft to committee members for 1 month then wide circulated for 2 months. | Draft circulated committee members for one month dated 23 Jan 2023. Response awaited. | The Committee decided the draft to be wide-circulated for 2 months, and to be sent for printing if no comments received during any stage. | The draft is attached below for the committee's review. It will be sent as a P draft to committee members for one month and then widely circulated for two months. [26122022\_Recommended Minimum safety spefication for Quay crane\_0.1AP.docx](https://docs.google.com/document/d/1unI22aSkf4PNofNYMgjG561f2uQ1ENQY/edit?usp=drive_link&ouid=103660883221074079828&rtpof=true&sd=true) |
| **Background**Shri Deepak Desai, M/s Konecranes and Demag Pvt Ltd agreed to provide the modified draft of Safety Requirements of Rail Mounted quay Cranes latest by Mid- November.The revision draft will be circulated as P draft to committee members for 1 month then wide circulated for 2 months.Shri Deepak Desai, M/s Konecranes and Demag Pvt Ltd agreed to provide the modified draft of Safety requirements of Rail Mounted Quay Cranes’ after incorporating the comments from Shri Debasis within 2 weeks. The draft received will be circulated as P draft for 1 month to the Committee members for comments.Modified draft is awaited. |
| **3. IS 15191: 2002** Forged steel components for use with grade T (8) chain and chain slings - Specification;**IS 2760: 1980** Specification for steel chain slings;**IS 8324: 1988** Code of practice for safe use and maintenance on non - Calibrated round steel link lifting chains and chain slings; and**IS 3109-1: 1982** Specification for short link chain, grade M (4): Part 1 non - Calibrated load chain for lifting purposes |
| Shri Rohan Chitlangia, M/s Indian Chains agreed to provide the revision draft of IS 15191, IS 2760, IS 8324 by 31st December 2021. He agreed to provide the draft of IS 3109-1, by March , 2022. He further requested BIS to provide the copy of DIN 580 and 582 for the revision of IS 4178 and IS 4190. | Comment on IS 2760 received from Shri Rohit Chitlangia, M/s Indian Chains dated 31 Oct 2022. [Comment Shri Rohan Chitlangia.pdf](https://drive.google.com/file/d/1baJKjIycOvUs8cGNdQarL7-fhsgTz4pG/view?usp=share_link)Draft for IS 2760 and 15191 received from Shri Rohan Chitlangia, M/s Indian Chains dated 1 November 2022, circulated to committee members 23 January 2023 for one month .[20221114\_MED 14\_IS 2760\_WC\_0.1.docx](https://docs.google.com/document/u/0/d/1k-cEggCyl9ZGWIRcIqBFwdtOa6SBawW8/edit)[20221115\_MED 14\_IS 15191\_WC\_0.1.docx](https://docs.google.com/document/u/0/d/1DdsuzPlDO8QMQ_rDp6YsCnHSRE8lcWdm/edit)Reminder sent to Shri Rohan Chitlangia for IS 8324 and IS 3109 (Part 1) on 21 Dec 2022.DIN 580 sent to him but 582 not found. | The Committee decided that the members may send comments on draft document for IS 2760 and IS 15191 by 14 Feb 2023. Comments, to be forwarded to Mr Rohit Chitlangia, M/s Indian Chains for incorporation and providing final draft. The draft to be circulated to committee members for 15 days, to be wide-circulated for 2 months, and to be sent for printing, if no comments are received during any stage.The Committee requested MS to send the required DIN standards to Mr Rohit Chitlangia, M/s Indian Chains.The Committee decided to revise IS 3109 and IS 8324 with editorial changes. The draft to be circulated to committee members for 15 days, to be wide-circulated for 2 months, and to be sent for printing, if no comments are received during any stage. | Reminder sent to committee to provide comment by 23 Feb 2023.[20230123\_MED14\_ITEM 3.1 SL No 5 Reminder.pdf](https://drive.google.com/file/d/1Hk9jl1ASj8kob-fvAUNt8PvVdk2MS4bL/view?usp=share_link)As no comments received till date. The draft to be circulated to committee members after editorial changes for 15 days, to be wide-circulated for 2 months, and to be sent for printing, if no comments are received during any stage.No response was received.The draft will be circulated to all the members within 1 months time. |
| **Background**Shri Rohan Chitlangia, M/s Indian Chains Provided a detailed justification on the changes that are to be made on the revision draft of IS 15191, IS 2760, IS 3109-1 and IS 8324**.**He agreed to provide the revision draft of IS 15191, IS 8324 and IS 2760 by Mid- November.And revision draft of IS 3109-1 by Mid-December.The revision draft will be wide circulated to committee members for 2 months. If no comments are received, the document will be finalised for printing.He further added that due to unavailability of copy of DIN 580 and DIN 582 , he’s not able to proceed further on IS 4178 and IS 4190.Shri Rohan Chitlangia of M/s Indian Chains Pvt. Ltd present during the meeting agreed to provide the following revision drafts by **15th August 2021**.1. IS 15191 ‘Forged steel components for use with grade T (8) chain and chain slings -Specification’
2. IS 4178 ‘Specification for eye nuts with collars’
3. IS 4190 ‘Specification for eyebolts with collars’
4. IS 8324 ‘Code of practice for safe use and maintenance of non-calibrated round steel link lifting chains and chain slings’
5. IS 3109-1 Specification for short link chain Grade M (4)
6. IS 2760 Specification for steel chain slings
 |
| **4. IS 3832 : 2005 Hand - Operated chain pulley block - Specification** |
| Draft is to be put under wide circulation under Doc: MED 14 (18592) for 2 months.The committee noted the above information. | ARP from BIS officer shared with Shri Preet Heri, M/s Kito vide email dated 17 Jan 2023. Response awaited. Response received from Shri Preet Heri, M/s Kito dated 25 Jan 2023.[IS 3832 Draft BIS\_Commented by Preet Heri\_25012023.docx](https://docs.google.com/document/u/0/d/1el0xZbbrcgjPJGw_ieITBJjw0jgeoDYq/edit) | Mr Preet Heri, M/s Kito India Pvt Ltd agreed to modify the draft while reviewing Annex-B of agenda of 23rd TC meeting and incorporating material specification in a separate clause and provide the revised draft within one month. | The reminder mail was sent on 17th Jan 2023 to M/s Kito Pvt Ltd to provide the draft.[20230125\_MED14\_ITEM 3.1 Sl No 5 IS 3832 Kito reply.pdf](https://drive.google.com/file/d/1ohRYOuJtqtt6cUsknJ1NuBZI6sLe7xQH/view?usp=share_link)The email and Draft were received on 23 Jan 2023 by M/s Kito Pvt Ltd.[20230125\_MED14\_ITEM 3.1 Sl No 5 IS 3832 Kito reply.pdf](https://drive.google.com/file/d/1ohRYOuJtqtt6cUsknJ1NuBZI6sLe7xQH/view?usp=share_link)The revised draft is attached below;[IS 3832 Draft BIS\_Commented by Preet Heri\_25012023.docx](https://docs.google.com/document/d/1CgEnhk0qz1IC6zY3NYG0QkYByH-ObcFL/edit?usp=drive_link&ouid=103660883221074079828&rtpof=true&sd=true)Some comments are pending from Shri Preet Hari. The committee is requested to finalize the draft for the Wide Circulation. |
| **Background**MS informed that the Action research project was allocated to one BIS officer and he has drafted the annexure on a recommendation for use of hand chain manually operated chain pulley block in hazardous (non-sparking) areas.Same will be Communicated to Shri Preet Heri for his confirmation.The revision draft will be wide circulated to committee members for 2 months.If no comments are received, the document will be finalised for printing.Shri Preet Heri informed the Committee that he is working to include recommendations for use of hand chain manually operated chain pulley blocks in hazardous (non-sparking) areas as an annexure in the revision draft of IS 3832.Shri Preet Heri agreed to provide the revised draft of IS 3832 within 2 months in consultation with the panel members.The draft was circulated as P draft for 01 months to the Committee members for comments. |
| **5. IS 6521-1 ‘Code of practice for design of tower cranes: Part 1 Static and rail mounted’** |
| The Committee requested MS to contact Shri Ravindra Luthra and get updates about the revision of the standard. | Reminder sent to Mr Ravindra Luthra, M/s ACE, 21 Dec 2022. Response received that he had left the company one year prior. | The Committee decided to revise the document with editorial changes. The draft to be circulated to committee members for 15 days, to be wide-circulated for 2 months, and to be sent for printing, if no comments are received during any stage. | The draft will be circulated to all the members within 1 month's time. |
| **Background**Due to the unavailability of panel members during the meeting, this point is deferred for the next meeting.Shri Ravindra Luthra of M/s ACE again agreed to provide the revised draft of IS 6521-1 ‘Code of practice for design of tower cranes: Part 1 Static and rail mounted’ after consultation with panel members by 15th Aug 2021.The draft received will be circulated as P draft for 01 month to the Committee members for comments.a) Shri Ravindra Luthra of M/s ACE (***convener***)b) Shri Neeraj Waghela of M/s Liebherr Ltd.c) A representative of M/s Shree Cements – Contact details to be provided by Shri Ravindra Luthra of M/s ACEd) Late Shri P Jha and Shri Mokshesh B Shah of M/s Anupam Industries e) Shri R.S Bisht of CBRIf) A representative of M/s Potain Pvt Ltd - Contact details to be provided by Shri Sudipto of M/s TILContact Details of representatives from M/s Potain India Pvt. Ltd. are provided by Shri Sudipta Gangopadhyay. |
| **6. IS/ISO 4309:2017 ‘Cranes — Wire ropes — Care and maintenance, inspection and discard’** |
| Shri Biplab Gosh agreed to provide the contact details of rope manufacturers. The Committee decided that the decision shall be taken on adoption of ISO 4309 based on the rope manufacturers recommendation. | Details of rope manufacturer received dated 22 Dec 2022[Comments received from Shri Biplab Ghosh.docx](https://docs.google.com/document/u/0/d/1mQ5msSSiuN5aTZlDXD6mUO3mfVT3tDm5/edit)Inputs sought from rope manufacturers dated 22 Dec 2022. Inputs received dated 23 Dec 2022.[Comment from Rope Manufacturer.pdf](https://drive.google.com/file/d/1QdEKh7RMeRo2mYkHNVshawtfjRwXS6d7/view?usp=share_link) | The Committee decided to adopt this standard as an Indian Standard under single numbering. The document to be wide-circulated for 2 months, and to be sent for printing, if no comments are received during any stage. | The document has been printed in December 2023. |
| **Background**Shri R. S. Bisht informed the committee that ISO 4309 can be adopted after taking recommendations from rope manufacturers.The Committee decided to co-opt rope manufacturer industries in the committee, after their co-option, decision shall be taken on adoption of ISO 4309 based on their recommendation.Contact details of rope manufacturers shall be provided by Shri R S Bisht and Shri G L Mirchandani.Shri R.S Prasad of M/s IPSS-SAIL and Shri Heeralal Bharani of M/s BHEL agreed to examine ISO 4309 : 2017 ‘Cranes — Wire ropes — Care and maintenance, inspection and discard’ and provide their recommendation for its adoption. |
| **7. Revision of IS 807** |
| The Committee may please note the current panel meetings are being conducted.The Committee requested the Panel to expedite the early revision of IS 807. The Convener of the Panel, Shri Natarajan of M/s EGS Computer agreed to provide the draft revision by Dec 2020. | **Response awaited from the panel.**  | The Committee decided to add Mr Deepak Biswal, M/s Steel Authority of India, Centre for Engineering and Technology, Ranchi to the panel. The Committee requested the representative Mr Sridhar from M/s EGS Computer India Pvt Ltd, Chennai to convene the meetings and get the draft finalised within three months. | The draft is awaited from the panel. Panel convener Shri Natarajan R. is requested to provide an update on the development of the draft. |
| **Background**Based on the request from the members, the Committee reconstituted the Panel as given below:a) Shri Natarajan Ramamoorthy of M/s EGS Computer India Pvt Ltd (**Convener**)b) Shri Anand Mitkari of M/s Mukund Ltd.c) Shri Deepak Desai of M/s Konecranes & Demag Pvt Ltd.d) Shri Anshuman Bhandari of M/s M.N.Dastur & Co.e) Shri Heera Bharani of M/s BHEL.f) Shri Abhijit Ghosh of M/s TATA Steel.g) Shri Shyam Gurnani of M/s FAFECO.h) Shri Mokshesh B Shah/ Shri P. Jha of M/s Anupam Industries.i) Shri J.B. Bhatt of M/s Techno Industries.j) Shri Ravindra Luthra of M/s ACE.k) Shri Shishupal Choudhary of M/s EIL.l) Shri Ankit Jalan of M/s MECON.m) Shri R.S Bisht of CBRI.n) Shri Mukulesh Debnath. |
| **8. ISO/TS 23624:2021 Cranes — Safe use of high-performance fibre ropes in crane applications** |
| ISO/ TS 23624:2021 is circulated among committee members.No comments have been received.The Committee decided that the decision shall be taken on adoption of ISO/TS 23624:2021 based on the rope manufacturers recommendation. | Details of rope manufacturer received dated 22 Dec 2022.[Comments received from Shri Biplab Ghosh.docx](https://docs.google.com/document/u/0/d/1mQ5msSSiuN5aTZlDXD6mUO3mfVT3tDm5/edit)Inputs sought from rope manufacturers dated 22 Dec 2022. Inputs received dated 23 Dec 2022.[Comment from Rope Manufacturer.pdf](https://drive.google.com/file/d/1QdEKh7RMeRo2mYkHNVshawtfjRwXS6d7/view?usp=share_link) | The Committee decided to invite five rope manufacturers as members on the Committee, for which the contact details were shared by Mr R S Bisht, M/s CSIR Roorkee during the meeting. The Committee deferred the decision on adoption of this standard subject to opinion of rope manufacturers :1. M/s Usha Martin Ltd.
2. M/s Mahadev Industries
3. M/s Asahi Ropes Pvt Ltd.
4. M/s Bharat Wire Ropes Ltd.
5. M/s Shree Steel Wire Ropes Ltd.
 | The nomination has been received from M/s Asahi Ropes Pvt Ltd. and M/s Bharat Wire Ropes Ltd. Nominations from other rope manufacturers are still awaited. The committee is requested to decide the next course of action for the adoption of ISO/TS 23624:2021. |
| **Background**The Committee requested MS to circulate ISO/TS 23624:2021 Cranes — Safe use of high-performance fibre ropes in crane applications to the committee members for their comments on the adoption of ISO 23624. |
| **9. IS 4164:1976 Specification for Lifting `C' Hooks with Eye - Capacity up to 25 Tonnes** |
| The committee noted the status.Shri Rohan Chitlangia, M/s Indian Chains informed the committee that Specification given in IS 4164 are outdated and needs to be revised or withdrawn.He informed that he will look for relevant international standards and shall provide his recommendation by February end 2022. | Reminder sent dated 23 Dec 2022, Response awaited. | The Committee decided to revise the document with editorial changes. The draft to be circulated to committee members for 15 days, to be wide-circulated for 2 months, and to be sent for printing, if no comments are received during any stage. | The draft will be circulated to all the members within 1 month's time. |
| **Background**Shri Rohan Chitlangia requested the copy of ISO 4779 and agreed to review both ISO 4779 and IS 4164 and agreed to provide his recommendation by mid - November 2021ISO 4779 Chain components for lifting purposes — Forged eye hook with point and latch — Grade 4, stainless steel, solution annealed.ISO 4779 is under *development*. |
| **10. IS 6217:1982 Specification for short link chain, grade S (6), non - Calibrated for lifting purposes (First Revision)** |
| Shri Anuj Gupta of M/s Monal Chains vide mail dated 07/10/2021 informed that IS 6217 and IS 6296 are widely used and requested to please again review the decision for withdrawal.The committee decided that Shri Anuj Gupta shall provide the contact details of user govt. institution to MS.MS shall circulate both standards IS 6217 and IS 6296 to them along with the current decision taken up by the committee i.e. Withdrawal of IS 6217 and IS 6296.A period of 3 month time shall be given to them for their comments.If no comments are received, the committee shall further decide in the next sectional committee meeting. | Circulated to the committee on 23 Jan 2023. Response awaited. | The Committee decided to propose these standards for withdrawal to MEDC. | Email has been sent to MEDC for withdrawal of the documents on 06 Mar 2023.The standard will be put up during the next MEEDC meeting for withdrawal.[20230306\_MED14\_ITEM5.1 Sl 14 MEDC withdrawal.pdf](https://drive.google.com/file/d/1psVzLcF-0UZ7xDowJAB5A4NBmSb-o0dc/view?usp=share_link) |
| **Background**Based on Shri Rohan Chitlangia, M/s Indian Chains recommendation, The committee decided to withdraw IS 6217 : 1982.1. ISO 3075-1 : 1980.
2. ISO standard has been withdrawn
 |
| **11. IS 5604:1984 Specification for hand - Operated universal gearless pulling and lifting machines (First Revision)** |
| Revision draft /Inputs is awaited.The committee noted the status.The Committee decided that Shri Anuj Gupta shall provide the contact details of M/s Tirfor to Shri Rohan Chitlangia, M/s Indian Chains. | Reminder sent dated 23 Dec 2022. Response awaited. | The committee decided to Send a reminder to Mr Anuj Gupta, M/s Monal Chains and seek inputs within one month. If no adverse comments are received then the standard is to be sent for wide circulation after incorporating the latest practice and doing some editorial changes.Response received from Mr Anuj Gupta, M/s Monal Chains. Dated 14 Mar 2023 <https://drive.google.com/file/d/119FDPviXOmAAbI-S8Boj3d40tIqbqjJs/view?usp=share_link>  | Based on the comments received from Mr Anuj Gupta, M/s Monal Chains, the draft has been sent for wide circulation for 2 months till 24.01.2025. The committee is requested to submit their comments on the draft and if no comments are received then the draft may be sent for printing. |
| **12. IS 6296:1983 Specification for short link chain grade s(6) calibrated for pulley blocks and other lifting appliances** |
| Shri Anuj Gupta of M/s Monal Chains vide mail dated 07/10/2021 informed that IS 6217 and IS 6296 are widely used and requested to please again review the decision for withdrawal.The committee decided that Shri Anuj Gupta shall provide the contact details of user govt. institution to MS.MS shall circulate both standards IS 6217 and IS 6296 to them along with the current decision taken up by the committee i.e. Withdrawal of IS 6217 and IS 6296.A period of 3 month time shall be given to them for their comments.If no comments are received , the committee shall further decide in the next sectional committee meeting. | Circulated to the committee on 23 Jan 2023. Response awaited. | The Committee decided to propose these standards for withdrawal to MEDC. | The withdrawal mail was sent to MEDC on 06 Mar 2023 to withdraw the standards.[20230306\_MED14\_ITEM5.1 Sl 10 and 11 MEDC withdrawal.pdf](https://drive.google.com/file/d/1Bi1SiC_LLkSfIvM5_jXp-s7u1GPkViG0/view?usp=share_link) |
| **Background**Shri Rohan Chitlangia, M/s Indian Chains agreed to review IS 6296 and provide its draft revision within 03 months.Based on Shri Rohan Chitlangia, M/s Indian Chains recommendation, The committee decided to withdraw IS 6296:1983.BS EN 818-3:1999+A1:2008Short link chain for lifting purposes. Safety. Medium tolerance chain for chain slings. Grade 4Committee may review both standards and consider the revision of IS 6296. |
| **13. IS 6498:1971 Glossary of terms used in connection with pulley blocks** |
| Shri Ankit Jalan provided his recommendation that the standard upto date and should be reprint in its present form.The Committee decided that MS will prepare draft revision by updating the ICS, foreword, reference clause, etc. (editorial) and directly wide-circulate the document for 2 months.If no comments are received, the document will be sent for printing. | Draft document with editorial changes is under preparation. | The Committee decided to revise the document with editorial changes. The draft to be circulated to committee members for 15 days, to be wide-circulated for 2 months, and to be sent for printing, if no comments are received during any stage. | The draft will be circulated to all the members within 1 month's time. |
| **Background**Shri Ankit Jalan agreed to provide to review IS 6498 and will provide his recommendation by November 2021 end.BS 3810-6 : 1973Base standard has been withdrawn |
| **14. IS 6549: 1972 Glossary of terms used in connection with lifting tackle** |
| Shri Ankit Jalan provided his recommendation that the standard is upto date and should be reprint in its present form.The Committee decided that MS will prepare draft revision by updating the ICS, foreword, reference clause, etc. (editorial) and directly wide-circulate the document for 2 months.If no comments are received, the document will be sent for printing. | Draft circulated to committee on 21 Dec 2022. Response awaited. | The Committee decided to revise the document with editorial changes. The draft to be circulated to committee members for 15 days, to be wide-circulated for 2 months, and to be sent for printing, if no comments are received during any stage. | The draft will be circulated to all the members within 1 month's time. |
| **Background**Shri Ankit Jalan agreed to review IS 6549 and will provide his recommendation by November 2021 end.BS 3810-5: 1971The base standard has been withdrawn |
| **15. IS 7847: 1975 General characteristics of lifting hooks** |
| Shri Deepak Desai agreed to review IS 7847: 1975 and shall provide his recommendation by March 2022. | Reminder Sent to Shri Deepak Desai on 22 Dec 2022. Response awaited. | The committee decided to send a reminder to Mr Deepak Desai, M/s Konecranes & Demag Pvt Ltd and seek inputs within one month*.* | The following response was received from Mr Deepak Desai Dated 23 Mar 2023.[20230323\_MED14\_Responce\_Mr Deepak Desai IS7847.pdf](https://drive.google.com/file/d/1-yqObYjKwoByGIPc7wvwB9RWqvh8zkOf/view?usp=sharing)[Role of IS7847-1975 in IS15560-2005.pptx](https://docs.google.com/presentation/d/1HAHBCtbXBEuTFtzbkhPZQDr0GuSW1LFo/edit?usp=drive_link&ouid=117028432620104463788&rtpof=true&sd=true)***The committee may please discuss and decide.*** |
| **Background**The Committee requested Shri Deepak Desai to review the standard and to provide his comments.1. ISO 2141: 1972.
2. The base standard has been withdrawn.
 |
| **16. IS 3177:2020 Electric Overhead Travelling Crane and Gantry Crane for all Applications — Code of Practice (Third Revision)** |
| Comments from Shri Anand Mitkari of M/s Mukand Ltd. has been received vide mail dated 23/11/2021.Comments from Shri Anand Mitkari were discussed and the following changes were proposed:1. Clause **50.3.1** (Page 39), [**50.5.2** shall be replaced with **50.2** in the following]

‘S = service factor aimed at providing adequate motor heat dissipation capacity as given in **50.5.2**’.1. Clause **50.2** (Page 37) Table no. shall be given for the table ‘values of service factor(S) for a.c’.
2. Clause **50.5.4** (Page 41) , Revised Table for the acceleration values (a) shall be provided by Shri Sandeep Battad of M/s Konecranes and Demag in 02 weeks.

The above changes shall be circulated to committee members for 1 month. The further discussion shall be held in the next committee meeting. | Comments circulated to committee members vide email dated 24 Jan 2023. [24012023 Circulation Mail 0.1.pdf](https://drive.google.com/file/d/16IcVdBRFW8qz3PDg_Zv_hPErmBkJwK7t/view?usp=share_link)[24012023 Circulation Mail 0.2.pdf](https://drive.google.com/file/d/1Oteatxdiv_cjD_NubLGT8fYblD1wKCQA/view?usp=share_link)[IS 3177.pdf](https://drive.google.com/file/d/1EEQa3LqiRSr7Uq_Diw5OKs4wFA2qZNgg/view?usp=share_link)Further comments received from Mr G L Mirchandani, M/s Unique Industrial Handlers Pvt Ltdon 05 Jan 2023, which is attached below.[G L Mirchandanicomments on 05 jan 2023.pdf](https://drive.google.com/open?id=1LbpkiVN2EV9bju9J_dHZ9furl7dDMSjt) | The Committee discussed the three comments received from Mr Anand Mitkari, M/s Mukand Limited and decided as follows:1. Accepted; and
2. Not accepted
3. Mr Sandeep D Bhattad, M/s Kone Cranes and Demag to send the details within one week. Inputs from Mr Sandeep D Bhattad, M/s Kone Cranes and Demag are to be circulated to committee members for one month. Further discussion to be held in the next meeting.

The Committee discussed the comments received from Mr G. L. Mirchandani**,** M/s Unique Industrial Handlers Pvt Ltd and decided as follows:1. Not accepted
2. Accepted
3. Clause **19.9** to be added. Values of service factor to be discussed in the next meeting. Members are requested to recommend service factor values, if possible. MS to circulate to members for input for one month.
4. Already discussed as per third comment from Mr Anand Mitkari, M/s Mukand Limited
5. Clause **10.1**, add reference to material for rolled steel Grade B as per IS 2062 in addition to IS 1030. MS to circulate to members for seeking grades of rolled steel. Further grade to be discussed in the next meeting.

The Committee further decided that the number of circumferential joints in hoist rope drums to be defined, draft to be received from Mr Ravinder Sharma, M/s Jindal Steel and Power within one month. Further discussion to be held in the next meeting. | C) Email sent to Mr Sandeep Bhattad M/s Kone Cranes and Demag to send the details within one week. Inputs from Mr Sandeep D. Bhattad, M/s Kone Cranes and Demag to be circulated to committee members for one month.[20230314\_MED14\_ Item 6.1 Sl No 21 Mr Sandeep Bhattad (C).pdf](https://drive.google.com/file/d/11AmY184a1qH0rxuCLLvuFkzRpuR34_FL/view?usp=share_link)Mail received by Mr Sandeep Bhattad Dated 23 Mar 2023 Seeking information for Mr Anant Mitkari for discussion and revising his nomination to the committee.[20230323\_MED14\_Mr Bhattad asked details for Anant Mitkari.pdf](https://drive.google.com/file/d/1glCUnkT_MsJ7NtqHlQ5gtLGy4nN9jxGP/view?usp=sharing)***The committee may kindly consider constituting a panel or assigning the preparation of the final draft to the existing panel to expedite the work and facilitate its submission for wide circulation.*** |

**5 ANY OTHER BUSINESS**

*The committee members may inform if they have any additional agenda points.*

**6 DATE AND PLACE FOR THE NEXT MEETING**

*The committee may please decide the next date and place of the meeting.*

**ANNEX-A**

#### **CRANES, LIFTING CHAINS AND RELATED EQUIPMENT SECTIONAL COMMITTEE, MED 14**

|  |  |  |
| --- | --- | --- |
| **Meeting No.** | **Date** | **Place** |
| 23th | 08-08-2023 | Virtual |
| 24th | 22-11-2023 | Virtual |
| 25th | 27-06-2024 | Virtual |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl No.** | **Organisation Represented** | **Member Details** | **23rd** | **24th** | **25th** | **Total** |
| 1. | BEML Limited, Bengaluru | Shri Hemant Kumar  | N | N | N | 0/3 |
| 2. | ABB India Limited, Bengaluru | Shri Gunde Vinod Kumar S. Shri Rakesh Ramalingam (*Alt*) | N | Y | N | 1/3 |
| 4. | Anupam Industries Limited, Udyog Nagar | Shri Mokshesh Shah Shri Nishit Patel (*Alt*) | N | Y | Y | 2/3 |
| 5. | Automotive Research Association of India (ARAI), Pune | Shri Pradeep Jawale Mr. Milind Kandalkar (*Alt*) | N | Y | Y | 2/3 |
| 6. | Bharat Heavy Electrical Limited, New Delhi | Mr. Shri Heeralal Bharani Shri Shankar Dutt (*Alt*) | Y | N | N | 1/3 |
| 7. | Bharat Heavy Electricals Limited, Tiruchirappalli | Shri K. Palanivel Shri M. Arthanari Eswar (*Alt*) | N | Y | Y | 2/3 |
| 8. | Bharat Wire Ropes Limited, Mumbai | Shri Mahender Singh Arora Shri Mayank Mittal (*Alt* I)Ms. Shrimati Ashwini B. Lokhande (*Alt* II) | N | Y | Y | 2/3 |
| 9. | CSIR - Central Building Research Institute, Roorkee | Shri Ravindra Singh Bisht Shri Kanti Lal Solanki (*Alt*) | Y | Y | Y | 3/3 |
| 10. | Directorate General Factory Advice Service and Labour Institutes (DGFASLI), Mumbai | Samir Pandey Shri NB Reshamwar (Alt) | NA | NA | Y | 1/1 |
| 11. | Directorate General of Quality Assurance, Ministry of Defence (DGQA), New Delhi | Shri Dhritesh Prakash Sana Shri R.V. Jain (Alt) | Y | Y | N | 2/3 |
| 12. | EGS Computers India Private Limited, Chennai | Shri Natarajan R SHRI B. ASHOK (Alt) | Y | Y | Y | 3/3 |
| 13. | Electromech Material Handling Systems, Pune | Shri Sanjay Bhise Shri Niranjan Mazire (Alt) | Y | N | Y | 2/3 |
| 14. | Engineers India Limited, New Delhi | Shri Rajib Ranjan Shrivastava Shri A. Natarajan (Alt) | N | Y | Y | 2/3 |
| 15. | Furnace and Foundry Equipment Company, Mumbai | Shri Shyam M. Gurnani Shri Sanjoy J. Masand (*Alt*) | N | Y | N | 1/3 |
| 16. | Heavy Engineering Corporation Limited, Ranchi | Shri Ramjanam PrasadShri R N Jha (*Alt* I)Shri Satish Kumar (*Alt* II)Shri T K Sahu (*Alt* III) | N | N | N | 0/3 |
| 17. | Indian Chain Private Limited, Kolkata | Shri Pradip Chitlangia Shri Rohan Chitlangia (*Alt*) | Y | Y | Y | 3/3 |
| 18. | Indian Space Research Organization, Bengaluru | Mr. Shri Shajahan  | Y | Y | Y | 3/3 |
| 19. | Jindal Steel and Power Limited, New Delhi | Shri Ravinder Sharma  | Y | Y | Y | 3/3 |
| 20. | KITO India Private Limited, Bengaluru | Shri Preet H. Heri Shri Akash Kulkarni (*Alt*) | Y | Y | Y | 3/3 |
| 21. | Kone Cranes and Demag Private Limited, New Delhi | Shri Deepak Desai Shri Sandeep D. Bhattad (*Alt*) | N | Y | Y | 2/3 |
| 22. | MECON Limited, Ranchi | Sh Bal Mukund Gandharva Shri Ankit Jalan (*Alt*) | Y | Y | Y | 3/3 |
| 23. | MN Dastur and Company Private Limited, Kolkata | Shri Anshuman Bhandari Shri Sandeep Karmakar (*Alt*) | N | Y | Y | 2/3 |
| 24. | Marathon Electric Motors (India) Limited, Kolkata | Shri Parasar LahiriShri Gautam Mondal (*Alt*) | Y | N | Y | 2/3 |
| 25. | Mega Drivers Private Limited, Thane | Shri Saurabh Tripathi Shri Dipak Majumdar (*Alt*) | N | Y | Y | 2/3 |
| 26. | Metso Outotec India Private Limited, Vadodara | Shri Sandeep Deokisan Bhattad  | N | Y | N | 1/3 |
| 27. | Ministry of Ports, Shipping and Waterways, New Delhi | Mr. Anil Pruthi Mr. Ramji Singh (*Alt*) | Y | Y | Y | 3/3 |
| 30. | Mukand Limited, Thane | Shri .T Muralidhar. Shri Anand Mitkari (*Alt*) | Y | N | Y | 2/3 |
| 32. | Schneider Electric India Private Limited, Gurugram | Shri Deepak Patel Shri Senthilkumaran (*Alt* I)Shri Anmol Chaudhari (*Alt* II) | N | Y | Y | 2/3 |
| 33. | Siemens Limited, Mumbai | Shri Sourav Sadhukhan Shri Prashant Pawar (*Alt*) | N | Y | Y | 2/3 |
| 34. | Steel Authority of India, Centre for Engineering and Technology (SAIL), Ranchi | Shri Rabi Shankar Prasad Shri Deepak Biswal (*Alt*) | Y | Y | Y | 3/3 |
| 36. | TIL, Kolkata | Shri Biplab Ghosh  | Y | N | N | 1/3 |
|   | Tacklers Engineering Private Limited, Ahmedabad | Shri J. B. BhattShri Nirag A. Chokshi (*Alt*) | N/A | N/A | Y | 1/1 |
| 39. | Unique Industrial Handlers Private Limited, Mumbai | Shri G. L. Mirchandani Shri S. E. Badlawala (*Alt* I)Sh Rajendra V Pagar (*Alt* II) | N | Y | Y | 2/3 |