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**भारतीय मानक ब्‍यूरो**

**BUREAU OF INDIAN STANDARDS**



**AGENDA**

|  |  |  |
| --- | --- | --- |
| **COMMITTEE** | **DATE and DAY**  | **TIME** |
| **34th Meeting of Earth Moving Equipment and Material Handling Sectional Committee, MED 07** | **25 June 2024****(Tuesday)** |  **10:30** **AM (Hybrid Mode)** |
| **Meeting link:** [**https://bismanak.webex.com/bismanak/j.php?MTID=mcbb2e8a4bfb34c639efce826c8c7900f**](https://bismanak.webex.com/bismanak/j.php?MTID=mcbb2e8a4bfb34c639efce826c8c7900f)**Password: MED07** |

**CHAIRMAN:** Shri Chakrapani Mandela, General Manager, Head of R & D (M & C), KGF, BEML.

**MEMBER SECRETARY:** Mr. Shubham Yadav, Deputy Director/Scientist- C (MED), BIS, New Delhi.

**ITEM 0 WELCOME AND OPENING REMARKS**

Welcome and opening remarks by the Head (MED), BIS.

Welcome and opening remarks by the Chairman.

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

The minutes of the 33rd Meeting of Earth Moving Equipment and Material Handling Sectional Committee, MED 07, held on **26 September 2023** through WebEx were circulated to committee members.

***No comments have been received. The committee may formally confirm the Minutes of the Meeting*.**

**ITEM 2 REFORMS IN THE PROCESS OF STANDARDISATION**

A presentation has been prepared to showcase the process reforms that have taken place in the standardization process (Presentation enclosed).

[Presentation on new reforms.pptx](https://docs.google.com/presentation/u/0/d/1AWF7GQIrQBPpdH0AHF2w0i2aGG508i6A/edit)

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

**ITEM 3 THE ROLLING ANNUAL ACTION PLAN FOR THE YEAR 2024-25**

The rolling annual action plan has been prepared and has been attached to the below link;

[**https://docs.google.com/spreadsheets/d/16-w-ywrG2WiN-v8L9gN2EdwrrtPYFe9S/edit?usp=sharing&ouid=102415239412149424689&rtpof=true&sd=true**](https://docs.google.com/spreadsheets/d/16-w-ywrG2WiN-v8L9gN2EdwrrtPYFe9S/edit?usp=sharing&ouid=102415239412149424689&rtpof=true&sd=true)

***The committee may please note the information regarding the Rolling Annual Action Plan and provide the inputs/suggestions.***

**ITEM 4 ACTIONS ARISING OUT OF THE MINUTES OF THE 33rd MEETING**

**4.1** The summary of actions taken on the minutes of the 33rd Meeting of **Earth Moving Equipment and Material Handling Sectional Committee, MED 07** and present status are given below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl No** | **Item\*** | **Decisions taken during the** **32nd Meeting** | **Action taken on decisions of** **32nd Meeting** | **Decisions taken during the 33rd Meeting** | **Action taken on decisions of** **33rd Meeting** |
| 1 | **2.1 (1)** | After a detailed discussion on the topic, the committee decided, with the concurrence of HMED, that the JSS standard should be directly referred to in the amendment. Since no changes were to be made, the committee approved the document for publication. | The amendment document is in the final printing stage. The final copy of the amendment is attached below for reference:[IS ISO 17055 (Part 6) 2021.pdf](https://drive.google.com/file/d/1W8pAxGhHNHtDHaxibJhDh0C-e01fpT-4/view?usp=sharing)Approval is awaited from the MEDC chairman.Also, Comment received Dated 21 sept 2023 From Komatsu Ltd[IS17055-6 Comment from KIPL.docx](https://docs.google.com/document/d/1a_sX11Q_qh2RixJNDqOWJoe_wS_Pz5HV/edit?usp=sharing&ouid=106467088733381748904&rtpof=true&sd=true) | The committee has discussed the comments received from Komatsu India Private Limited. The committee has found that the comments received were only editorial and the committee has approved the editorial changes in the Cl. 4.2 in standards IS 17055: Part 6-2021. No other changes are required in the standard. | Amendment on IS 17055 (Part 6): 2021 has been published as given below: [17055\_6A1.pdf](https://drive.google.com/file/d/1dvWD6vhwY6d9hrwBxavuqDM2MtJnu9c5/view?usp=sharing) |
| 2 | **2.1 (2)** | Committee deliberated and decided that all the standards mentioned in IS 17055 all the parts to be adopted in phase wise manner, in consultation with chairman.Committee formulated a small group to review and submit the report:Shri Reji (**Convenor**)Shri Sai Prasad Shri Karthik Shri VikrantRep. from NMDC andRep. from Coal India Panel convenor agreed to provide the recommendation at the earliest during the last Meeting. | A recommendation from the panel is still awaited.The committee may please discuss and decide on this matter. | The committee has once again requested Shri Reji Jose to provide his recommendation on the topic. Shri Reji Jose has agreed to submit his recommendations at the earliest. | A recommendation from the panel is still awaited.The committee may discuss and decide on this matter. |
| 3 | **5** | The committee discussed the recommendations of the panel.The committee requested the members to provide the details of manufacturers of material handling so that they can be contacted for participation and nomination in the committee. Also, drafts may be circulated to these members for their comments.The committee also requested member secretaries to contact all branch offices of BIS to find manufacturers and experts in this area.After identifying sufficient stakeholders from different fields, i.e., manufacturers, regulatory bodies, R&D institutions, NGOs, etc., of material handling, the matter will be put up during the MEDC meeting for consideration. | The standards related to earth-moving machinery and material handling equipment have been separated and assigned different ITEM numbers in this agenda to facilitate timely review and revision.Also, various branch offices of BIS have been tasked with notifying manufacturers and experts in the material handling field. Members of MED 07 are also encouraged to inform experts from various fields.The committee may please discuss and decide. | The committee has taken note of the information and suggested reaching out to established material handling companies such as L&T, AECOM, Elecon Engineering Company, and others to participate in the committee's efforts to formulate and revise standards in the field of material handling.Also, the committee has identified some existing experts in MED 07 i.e.* Mr. Anjan Kr. Maiti (Mumbai Port Authority)
* Mr. Sudarshan Prasad (CMPDI)
* Mr. Aravind Das (Heavy Engineering, Ranchi)
* Mr. D Bhaskaran (Caterpillar)

The committee decided to recirculate the standards for material handling among the above members and make further decisions based on their recommendations. | The input from the panel is still awaited. Also, during the recent Mechanical Engineering Division (MED) council meeting, a proposal was made to create a new committee that would encompass all material handling standards from various MED committees. The council has decided that MED 07 and other committees will discuss within its committee and determine whether its standards can be combined with those of other committees such as MED 06, MED 07, MED 18, etc.PoW of MED is attached for the committee's reference. [MED Programme of Work.pdf](https://drive.google.com/open?id=1kT8Ig8heh86gb0CV9U0yZTth3ryaIF_1)The committee may please discuss and decide. |
| 4 |  | Development of Indian/International Standards on “Mechanical anti-collision system” | The committee has formulated the following panel for the project:1. Shri K. Reji Jose from Caterpillar India Private Limited (Manufacturer)
2. One member from Komatsu India Private Limited, Bengaluru (Manufacturer)
3. Shri V. Sekar from BEML, Limited (Manufacturer)
4. Shri. D.B. Naik from DGMS (Regulatory body)
5. Shri S. Jagadeswara Rao from NMDC (User)
6. Shri Chandra Shekhar from CCL (User)
 | The committee has requested that the panel initiate some initial work on the subject and submit their findings to the committee so that the development of the standard can begin. | A Term of Reference has been prepared for the subject and attached below for committee review;[ToR of Mechanical Anti Collision Sysytem June.docx](https://docs.google.com/document/d/1c7ojCV6FUOgbw8ftfgEB1_b22lsmyQXV/edit?usp=sharing&ouid=102415239412149424689&rtpof=true&sd=true)The committee is requested to suggest any necessary corrections so that it can be submitted to the Review committee for R&D approval. |
| 5. |  | **Adoption of the revision of IS/ISO 12509:2004.** | - | - | The email has been circulated to all the committee members for their comments on the revision of IS/ISO 12509:2004. Email;[Adoption of the revision of IS:ISO 12509-2004.pdf](https://drive.google.com/file/d/1nSR3ptQvwHQ-Ka8l5RiEMpKEKabCAYGV/view?usp=sharing)National Forward;[National Foreward IS 12509.pdf](https://drive.google.com/file/d/19Asva81ZMWexxe2RXozBs5OtR1ZlRB3-/view?usp=sharing)Revised ISO 12509:2023[ISO 12509 2023 .pdf](https://drive.google.com/file/d/1BKSaJZtZRyIOriZtl3maJdlgr8p_sEyw/view?usp=sharing)No comments have been received on the draft.The committee may decide to wide circulate the draft for 30 days. If no comments are received, then it can be further processed for printing. |

\*The Item number refers to the proceedings of the last Meeting of **MED 07**.

**ITEM 5 COMPOSITION OF THE SECTIONAL COMMITTEE**

**5.1** The following directions have been received from the Competent Authority of the Bureau for reviewing the composition of the Sectional Committee:

1. Major Government purchasing organizations like DGS and D, RDSO, CPWD, Defence etc are to be given representation in the committees wherever applicable.
2. Examine the justification and need for continuation of a member in an individual capacity who is continuing for more than six years in a sectional committee.
3. New members are to be co-opted who are expected to contribute in emerging new technology.
4. In case representative of the concerned organization is not attending the meeting regularly or not continuing even by correspondences, the organization may be informed for substituting their member.
5. Members who are represented in individual capacity, the continuation of their membership is to be considered on the basis of their past attendance and contribution.
6. Efforts should be made to include representative of different product segments as per the scope of the committee.

***The Committee may please note.***

**5.2** As per the directive of the Director General of BIS the following members have been removed from the committee due to inactive participation and the termination letter has been already sent;

|  |  |  |  |
| --- | --- | --- | --- |
| **Committee No.** | **Title** | **Organization** | **Reason** |
| MED 07 | Earth Moving Equipment and Material Handling Sectional Committee | 1. M/s. Cement Corporation of India Limited, New Delhi2. Airports Authority of India, New Delhi3. M/s. Engineers India Limited, Gurugram4. M/s. Central Coalfields Limited5. Department of Heavy Industry, Ministry of Heavy Industries & Public Enterprises6. Ministry of Defence, Dte of Quality Assurance, New Delhi7. M/s. National Thermal Power Corpn.Ltd, New Delhi8. M/s. Escorts Construction Equipment Limited, Faridabad9. M/s. Fact Engineering and Design Organization, New Delhi10. M/s. Mahindra Construction Equipment, Chakan11. Project and Development India Limited, Noida12. M/s Mcnally Bharat Engineering Company, Kolkata13. M/s. L&T Limited, Bengaluru14. M/s. Tata Hitachi Construction Machinery Co. Pvt Ltd, Kharagpur | Non-Participation |

***The Committee may please note*.**

**5.3** As per the decision taken by the Controlling Ministry, the composition of all sectional committees is to be reviewed periodically after a period of three years and efforts are to be made to keep the strength of committee optimum. New members may be co-opted where necessary. It is desired to have functionally efficient, vibrant and participative technical committees. The Committee may deliberate about the continuance of those members who are neither attending the meeting, nor contributing to the work of the committee by way of sending comments. Nomination of such members may be recommended for withdrawal to Mechanical Engineering Division Council (MEDC).

*The Committee may please note*.

**5.4 A** Co-option request for Ms. CHRISTINA EBENEZER, from Caterpillar India Engineering Solution Private Limited, has been received by the committee for the position of Young Professional.

[Christina Ebenezer Resume.pdf](https://drive.google.com/file/d/1h1WmutWF5FKJJ4advnMIxIey_0SXwBiq/view?usp=sharing)

The CV is attached. The committee is requested to consider the co-option of Ms. CHRISTINA EBENEZER in the MED 07 committee.

**5.5** The present composition of the Earth Moving Equipment and Material Handling Sectional Committee, MED 07 is given in **Annex-A** The list shows the attendance of the members in the last three consecutive meetings.

*The committee may please note.*

**ITEM 6**

**6.1 Documents in WC-Stage**

**6.1.1 E**arth Moving Machinery

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl No.** | **Document No./IS No.** | **IS Title** | **Document Type** | **Document Stage** | **Remarks** |
|  | MED/07/24665(Identical To: ISO 10263-1 : 2009) | EARTH-MOVING MACHINERY OPERATOR ENCLOSURE ENVIRONMENT PART 1 TERMS AND DEFINITIONS (Adoption of ISO 10263-1) | New | WC-Draft |  |
|  | MED/07/23238(Identical To: ISO 19014-2:2022) | EARTH-MOVING MACHINERY FUNCTIONAL SAFETY PART 2: DESIGN AND EVALUATION OF HARDWARE AND ARCHITECTURE REQUIREMENTS FOR SAFETY-RELATED PARTS OF THE CONTROL SYSTEM | New | WC-Draft |  |
|  | MED/07/23268(Identical To: ISO 21815-1 : 2022) | EARTH-MOVING MACHINERY COLLISION WARNING AND AVOIDANCE PART 1: GENERAL REQUIREMENTS | New | WC-Draft |  |
|  | MED/07/23239(Identical To: ISO 19014-5:2021) | EARTH-MOVING MACHINERY FUNCTIONAL SAFETY PART 5: TABLES OF PERFORMANCE LEVELS | New | WC-Draft |  |
|  | MED/07/19317IS 10856: 1993 | EARTH MOVING MACHINERY ELEVATING SCRAPERS VOLUMETRIC RATINGS | Revision | Project-Approval |  |
|  | MED/07/24667(Identical To: ISO 10263-5 : 2009) | EARTH-MOVING MACHINERY OPERATOR ENCLOSURE ENVIRONMENT PART 5 WINDSCREEN DEFROSTING SYSTEM TEST METHOD Adoption of ISO 10263-5 | New | WC-Draft |  |
|  | MED/07/21833IS/ISO 6165: 2012 (Identical To: ISO 6165:2022) | EARTH MOVING MACHINERY BASIC TYPES IDENTIFICATION AND VOCABULARY | Revision | WC-Draft |  |
|  | MED/07/23269(Identical To: ISO 19014-4:2020) | EARTH-MOVING MACHINERY FUNCTIONAL SAFETY PART 4: DESIGN AND EVALUATION OF SOFTWARE AND DATA TRANSMISSION FOR SAFETY-RELATED PARTS OF THE CONTROL SYSTEM | New | WC-Draft |  |
|  | MED/07/23270(Identical To: ISO 10263-6:2009) | EARTH-MOVING MACHINERY OPERATOR ENCLOSURE ENVIRONMENT PART 6: DETERMINATION OF EFFECT OF SOLAR HEATING | New | WC-Draft |  |
|  | MED/07/23240(Identical To: ISO 24410:2020) | EARTH-MOVING MACHINERY COUPLING OF ATTACHMENTS TO SKID STEER LOADERS | New | WC-Draft |  |

The committee has granted approval for the printing of the Earth Moving Machinery standard, covering Sr. No. 1 to 8.

***This is for the information of the committee.***

**6.1.2 Material Handling**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl No.** | **Document No./IS No.** | **Is Title** | **Document Type** | **Document Stage** | **Remarks** |
|  | MED/07/19316IS 10678: 1983 | DATA SHEET FOR DESIGN SELECTION OF VACUUM PRODUCER | Revision | WC-Draft |  |
|  | MED/07/19314IS 10463 : Part 6: 1983 | GLOSSARY OF TERMS FOR BULK HANDLING EQUIPMENT PART 6 CYCLIC LOOSE BULK HANDLING EQUIPMENT NON STATIONARY | Revision | WC-Draft |  |
|  | MED/07/21449IS 11738 : Part 2: 1993 | BULK HANDLING EQUIPMENT CRAWLER TRACTORS DATA SHEET PART 2 INFORMATION TO BE SUPPLIED BY MANUFACTURERSUPPLIER (*Second Revision*) | Revision | WC-Draft |  |
|  | MED/07/21122IS 14418: 1996 | BULK HANDLING EQUIPMENT SHIP LOADER RAIL MOUNTED DESIGN MANUFACTURE AND ERECTION CODE OF PRACTICE | Revision | WC-Draft |  |
|  | MED/07/19315IS 10463 : Part 2: 1985 | GLOSSARY OF TERMS FOR BULK HANDLING EQUIPMENT PART 2 STACKING LOADING AND RECLAIMING EQUIPMENT | Revision | WC-Draft |  |
|  | MED/07/23240(Identical To: ISO 24410:2020) | EARTH-MOVING MACHINERY COUPLING OF ATTACHMENTS TO SKID STEER LOADERS | New | WC-Draft |  |
|  | MED/07/21445IS 12137: 1987 | GENERAL REQUIREMENTS OF WAGON PULLERPUSHER First Revision | Revision | WC-Draft |  |
|  | MED/07/21447IS 11738 : Part 1: 1993 | BULK HANDLING EQUIPMENT CRAWLER TRACTORS DATA SHEET PART 1 INFORMATION TO BE SUPPLIED BY PURCHASER (*Second Revision*) | Revision | WC-Draft |  |
|  | MED/07/21121IS 13113: 1991 | BULK HANDLING EQUIPMENT WAGON MARSHALLING EQUIPMENT ENDLESS ROPE TYPE DATA SHEET | Revision | WC-Draft |  |

The committee has decided to recirculate the aforementioned standards related to material handling, specifically from Sr. No. 9 to 17. These standards will be circulated among material handling experts within our committee, namely:

Mr. Anjan Kr. Maiti (Mumbai Port Authority)

Mr. Sudarshan Prasad (CMPDI)

Mr. Aravind Das (Heavy Engineering, Ranchi)

Mr. D. Bhaskaran (Caterpillar)

These experts will conduct a final review and provide any necessary comments. Following their review, the committee will proceed with the printing of these standards in the upcoming committee meeting.

The documents were circulated to all the members but no comments have been received.

***The committee may please decide on further course of action.***

**6.2 Documents in Printing-Stage**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl No.** | **IS No.** | **Is Title** | **Document No.** | **Document Type** | **Document Stage** | **Remarks** |
|  | Nil |  |  |  |  |  |

**ITEM 7 REVIEW AND REAFFIRMATION OF INDIAN STANDARDS**

**7.1** **Review of Pre-2000 standards**

As per the directions of competent authority of BIS, it has been decided to take up the review and revision of Pre-2000 standards, The Pre-2000 standards of MED 07 are as following, for committee consideration.

**7.1.1** Review of Earth Moving Machinery

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **IS Number** | **IS Title** | **Status** | **Remarks** |
|  | IS 10689 : 1993/ISO 2860 : 1992 | Earth-moving machinery — Minimum access dimensions (*first revision*) | Review document circul82ated to members |  |
|  | IS 10859 : 1993/ISO 6483:1980 | Earth-moving machinery — Dumper bodies — volumetric ratings (*first revision*) | Decision taken to Reaffirm |  |
|  | IS 11249 : 1985 | Data sheet for selection of front end loaders | Decision taken to Reaffirm and Revise |  |
|  | IS 12140 : 1987 | Data sheet for selection of dumpers | Decision taken to Reaffirm and Revise |  |
|  | IS 12209 : 1993/ISO 7130:1981 | Earth-moving machinery — Guide to procedure for operator training (*first revision*) | Review document circulated to members |  |
|  | IS 12645 : 1993 | Earth-moving machinery — Crawler and wheel tractor dozer blades — volumetric ratings (*first* *revision*) | Review document circulated to members |  |
|  | IS 13081 : 1991 | Earth-moving machinery — Symbols — Guidelines for development and evaluation | Under Process[Phase-1 Review Document (Draft)] |  |
|  | IS 13253 : 1992/ISO 8925:1989 | Earth-moving machinery — Diagnostic ports | Decision taken to Reaffirm |  |

The committee decided to create a panel with the following members to review the pre-2000 standards mentioned above from Sr. No. 1 to 8 and submit their recommendations in the next technical meeting:

1. Shri V. Bhaskaran, Caterpillar India Private Limited, Chennai,
2. Shri K. Reji Jose, Caterpillar India Private Limited, Chennai,
3. Shri Vikrant Sharma, Komatsu India Private Limited, Bengaluru,
4. Shri Vivek Rawat, JCB India Limited, New Delhi

No comments have been received from the panel.

***The committee may please further decide the course of action.***

**7.1.2** Review of Material Handling

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **IS Number** | **IS Title** | **Status** | **Remarks** |
|  | IS 10506 : 1996 | Trolley for carrying jute bales — Specification (*first revision*) | Review document circulated to members |  |
|  | IS 11496 : 1985 | General and performance test requirements of pallet truck and stillage truck | Review document circulated to members |  |
|  | IS 12359 : 1988 | Guide for selection of wheels and castors | Review document circulated to members |  |
|  | IS 12402 (Part 1) : 1988 | Mobile containers for solid waste: Part 1 General characteristics | Under Process[Phase-1 Review Document (Draft)] |  |
|  | IS 12402 (Part 2) : 1988 | Mobile containers for solid waste: Part 2 Methods of test | Under Process[Phase-1 Review Document (Draft)] |  |
|  | IS 13065 : 1991 | Bulk handling equipment — Wagon marshalling equipment — Endless rope type — General requirements | Under Process[Phase-1 Review Document (Draft)] |  |
|  | IS 13076 : 1991 | Hand trolley for carrying mail bags — Specification | Decision taken to Reaffirm and Revise |  |
|  | IS 13082 (Part 1) : 1991 | Bulk handling equipment — Ship unloader — Gantry mounted grab type — Code of practice for design, manufacture and erection: Part 1 Mechanical and structural requirements | Review document circulated to members |  |
|  | IS 13082 (Part 2) : 1991 | Bulk handling equipment — Ship unloader — Gantry mounted grab type — Code of practice for design, manufacture and erection: Part 2 Electro - mechanical requirements | Review document circulated to members |  |
|  | IS 13082 (Part 3) : 1991 | Bulk handling equipment — Ship unloader — Gantry mounted grab type — Code of practice for design, manufacture and erection: Part 3 Information to be supplied by purchaser and the manufacturer | Review document circulated to members |  |
|  | IS 13148 (Part 1) : 1999  | Mobile equipment for continuous handling of bulk materials: Part 1 Rules for the design of steel structure (*first revision*) | Decision taken to Reaffirm |  |
|  | IS 13652 : 1993  | Bulk handling equipment — Dumper supplier's data sheet | Decision taken to Reaffirm and Revise |  |
|  | IS 13685 (Part 1) : 1993  | Bulk handling equipment — Ship loader — Rail mounted — Data sheet for selection: Part 1 Information to be supplied by purchaser | Decision taken to Reaffirm and Revise |  |
|  | IS 13685 (Part 2) : 1993  | Bulk handling equipment — Ship loader — Rail mounted data sheet for selection: Part 2 Information to be supplied by manufacturer/supplier | Decision taken to Reaffirm and Revise |  |
|  | IS 13936 : 1994  | Bulk handling equipment — Wheeled loaders — General requirements | Decision taken to Reaffirm and Revise |  |
|  | IS 13951 : 1994  | Heavy item lift platform for aircraft/airport operations — General requirements | Review document circulated to members |  |
|  | IS 13989 : 1994  | Bulk handling equipment — Bagging machines (mechanical type) — Design and construction — General requirements | Decision taken to Reaffirm and Revise |  |
|  | IS 13992 : 1994  | Bulk handling equipment — Bagging machines (electronic type) — Design and construction — General requirements | Decision taken to Reaffirm and Revise |  |
|  | IS 14416 : 1996  | Bulk handling equipment — Boom type bucket wheel reclaimer — Rail mounted — Design, manufacture and erection — Code of practice | Review document circulated to members |  |
|  | IS 14417 : 1996  | Bulk handling equipment — Single boom slewable stacker — Rail mounted — Design, manufacture and erection — Code of practice | Review document circulated to members |  |

The committee has decided to create a panel to review the pre-2000 standards of material handling, specifically from Sr. No. 9 to 28. These standards will be circulated among material handling experts within our committee, namely:

Mr. Anjan Kr. Maiti (Mumbai Port Authority)

Mr. Sudarshan Prasad (CMPDI)

Mr. Aravind Das (Heavy Engineering, Ranchi)

Mr. D. Bhaskaran (Caterpillar)

These experts will review these pre-2000 standards and provide any necessary comments to revise these standards. Following their review, the committee will proceed with the wide circulation of these standards in the upcoming committee meeting.

No comments have been received from the panel.

***The committee may please further decide the course of action.***

**7.2 Withdrawal of IS Standards**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No.** | **IS No.** | **Remarks** | **Decision**  |
|  | IS 12209 : 1993 Earth-moving machinery — Guide to procedure for operator training (first revision) | The assistance of ISO 7130:2013 ‘Earth-moving machinery — Operator training — Content and methods’, has been drawn in the formulation of this standard. Since the base standard is ISO 7130:2013. The base standard has been revised in 2013 as ISO 7130:2013. (previous version is ISO 7130:1981) As the committee has already adopted ISO 7130 as IS/ISO 7130:2013. So, This standard may be approved for Withdrawn. | MEDC has been approved the withdrawn request during the 27th meeting of MEDC held dated on 26th 2024. |
|  | IS 13116 : 2006 Earth-moving machinery — Engine test code — Net power (second revision) | The assistance of ISO 9249:2007 ‘Earth-moving machinery — Engine test code — Net power’, has been drawn in the formulation of this standard. The committee has already adopted IS/ISO 9249:2007. Hence the IS 13116 can be Withdrawn. | MEDC has been approved the withdrawn request during the 27th meeting of MEDC held dated on 26th 2024. |

***MEDC has approved the withdrawal of the standards. The committee may please note the information.***

**7.3 Decision on the IS standards pending for review in the previous year 2022-2023**

**7.3.1** Earth Moving Machinery Standards

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl No.** | **IS Number** | **IS Title** | **Status** | **Remarks** | **Status** |
|  | IS 11249 : 1985 | Data sheet for selection of front end loaders | Review document circulated to members | Reaffirmed in March, 2023 | Reaffirmation and Revision |
|  | IS 12140 : 1987 | Data sheet for selection of dumpers | Review document circulated to members | Reaffirmed in March, 2023 | Reaffirmation and Revision |

***The committee may please approve the wide circulation of the above revision standards.***

**7.3.2 Material Handling Equipment Standards**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl No.** | **IS Number** | **IS Title** | **Status** | **Remarks** | **Status** |
|  | IS 13076 : 1991 | Hand trolley for carrying mail bags - Specification | Review document circulated to members | PRE 2000 LIST | Reaffirmation and Revision,  |
|  | IS 13652 : 1993 | Bulk Handling Equipment - Dumper - Supplier's Data Sheet | Review document circulated to members | PRE 2000 LIST | Reaffirmation and Revision |
|  | IS 13685 (Part 1) : 1993 | Bulk handling equipment - Ship loader - Rail mounted - Data sheet for selection: Part 1 information to be supplied by purchaser | Review document circulated to members | PRE 2000 LIST | Reaffirmation and Revision |
|  | IS 13685 (Part 2) : 1993 | Bulk handling equipment - Ship loader - Rail mounted data sheet for selection: Part 2 information to be supplied by manufacturer/supplier | Review document circulated to members | PRE 2000 LIST | Reaffirmation and Revision |
|  | IS 13936 : 1994 | Bulk handling equipment - Wheeled loaders - General requirements | Review document circulated to members | PRE 2000 LIST | Reaffirmation and Revision |
|  | IS 13989 : 1994 | Bulk handling equipment - Bagging machines (Mechanical Type) - Design and construction - General requirements | Review document circulated to members | PRE 2000 LIST | Reaffirmation and Revision |
|  | IS 13992 : 1994 | Bulk handling equipment - Bagging machines (Electronic Type) - Design and construction - General requirements | Review document circulated to members | PRE 2000 LIST | Reaffirmation and Revision |
|  | IS 10463 (Part 2) : 1985 | Glossary of terms for bulk handling equipment: Part 2 stacking, loading and reclaiming equipment | Review document circulated to members again last date 22.03 | Under WC - Doc. No. 19315 |  |
|  | IS 10463 (Part 6) : 1983 | Glossary of terms for bulk handling equipment: Part 6 cyclic loose bulk handling equipment (Non - Stationary) | Review document circulated to members again last date 22.03 | Under WC - Doc. No. 19314 |  |
|  | IS 10678 : 1983 | Data sheet for design and selection of vacuum producer | Review document circulated to members again last date 22.03 | Under WC)- Doc. No. 19316 |  |
|  | IS 11738 (Part 1) : 1993 | Bulk handling equipment - Crawler tractors - Data sheet: Part 1 information to be supplied by purchaser (First Revision) | Review document circulated to members again last date 22.03 | Under WC- Doc. No. 21447 |  |
|  | IS 11738 (Part 2) : 1993 | Bulk handling equipment - Crawler tractors - Data sheet: Part 2 information to be supplied by manufacturer/supplier (First Revision) | Review document circulated to members again last date 29.03 | Under WC- Doc. No. 21449 | Reaffirmation and Revision |
|  | IS 12137 : 1987 | General requirements of wagon puller/pusher | Review document circulated to members again last date 29.03 | Under WC- Doc. No. 21445 | Reaffirmation and Revision |
|  | IS 14704 : 1999 | Bulk handling equipment - Bag stacker - Cum - Loader/unloader - Portable - Design and construction - General requirements | Decision taken to Revise | Under WC-Doc. No. 20952 |  |

**7.4 Revision of standards for 2024-2025**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **IS No** | **Title** | **Due Date** | **Status** |
| 1 | IS 11113 : 1999ISO 5353:1995Reviewed In : 2022 | Earth-moving machinery, and tractors and machinery for agriculture and forestry - Seat index point (second revision) | March, 2025 | Decision taken to Reaffirm |
| 2 | IS 12645 : 1993ISO 9246:1988Reviewed In : 2020 | Earth - Moving machinery - Crawler and wheel tractor dozer blades - Volumetric ratings (First Revision) | March, 2025 | Review document circulated to members |
| 3 | IS/ISO 10968 : 2020 | Earth-Moving Machinery - Operator’s Controls ( First Revision ) | March, 2025 | No review done |
| 4 | IS/ISO 7135 : 2009Reviewed In : 2020 | Earth - Moving machinery - Hydraulic excavators - Terminology and commercial specifications | March, 2025 | No review done |
| 5 | IS 16479 : 2020 | Performance Requirements and Test Procedures of Braking Systems for Wheeled or High-Speed Rubber Tracked Earth Moving Machines and Construction Equipment Vehicles ( First Revision ) | March, 2025 | No review done |
| 6 | IS/ISO 7096 : 2020 | Earth-Moving Machinery — Laboratory Evaluation of Operator Seat Vibration ( First Revision ) | March, 2025 | No review done |
| 7 | IS 17055 (Part 11) : 2020 | Earth-Moving Machinery — Safety Part 11 Requirements for Earth and Landfill Compactors ( Second Revision ) | March, 2025 | No review done |
| 8 | IS 17055 (Part 8) : 2020 | Earth-Moving Machinery — Safety Part 8 Requirements For Graders ( Second Revision ) | March, 2025 | No review done |
| 9 | IS 17055 (Part 9) : 2020 | Earth-Moving Machinery — Safety Part 9 Requirements for Pipelayers ( Second Revision ) | March, 2025 | No review done |
| 10 | IS 17055 (Part 10) : 2020 | Earth-Moving Machinery — Safety Part 10 Requirements for Trenchers ( Second Revision ) | March, 2025 | No review done |
| 11 | IS 17055 (Part 12) : 2020 | Earth-Moving Machinery — Safety Part 12 Requirements for Cable Excavators ( Second Revision ) | March, 2025 | No review done |
| 12 | IS 17055 (Part 13) : 2020 | Earth-Moving Machinery — Safety Part 13 Requirements for Rollers ( Second Revision ) | March, 2025 | Review Allocation |
| 13 | IS 17055 (Part 4) : 2020 | Earth-Moving Machinery — Safety Part 4 Requirements for Backhoe Loaders ( Second Revision ) | March, 2025 | No review done |
| 14 | IS 17055 (Part 7) : 2020 | Earth-Moving Machinery — Safety Part 7 Requirements for Scrapers ( Second Revision ) | March, 2025 | Review Allocation |
| 15 | IS 17055 (Part 2) : 2020 | Earth-Moving Machinery - Safety Part 2 Requirements for Tractor Dozers (second revision) | March, 2025 | No review done |
| 16 | IS/ISO 13766-1 : 2018 | Earth-Moving and Building Construction Machinery - Electromagnetic Compatibility (EMC) of Machines with Internal Electrical Power Supply Part 1 General EMC Requirements Under Typical Electromagnetic Environmental Conditions | October, 2024 | Re-Review |
| 17 | IS/ISO 13766-2 : 2018 | Earth-Moving and Building Construction Machinery - Electromagnetic Compatibility (EMC) of Machines with Internal Electrical Power Supply Part 2 Additional EMC Requirements for Functional Safety | October, 2024 | Re-Review |
| 18 | IS/ISO 19014-1 : 2018 | Earth-Moving Machinery - Functional Safety Part 1 Methodology to Determine Safety-related Parts of the Control System and Performance Requirements | October, 2024 | Re-Review |
| 19 | IS/ISO 19014-3 : 2018 | Earth-Moving Machinery - Functional Safety Part 3 Environmental Performance and Test Requirements of Electronic and Electrical Components Used in Safety-Related Parts of the Control System | October, 2024 | Re-Review |
| 20 | IS 17055 (Part 15) : 2020 | Earth-Moving Machinery â€” Safety Part 15 Requirements for Compact Tool Carriers | March, 2025 | Review Allocation |
| 21 | IS/ISO 4250-3 : 2020 | Earth mover tyres and rims- Part 3: Rims Adoption of ISO 4250 Part 3:2020 First Revision | March, 2025 | No review done |

***The committee may please discuss and decide the further course of action.***

**ITEM 8 COMMENTS ON INDIAN STANDARDS**

**8.1 WC Draft Comments**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl No.** | **Comment ID** | **Document No.** | **Title of document** | **Commenter** | **Comment Date** | **No. of comments** | **View Comments** |
| **Total**  | **Open** | **Closed** |
|  | MED\_2023-01-097912 | MED 07 (21449) | Bulk Handling Equipment Crawler Tractors Data Sheet Part 2 Information To Be Supplied By Manufacturer supplier (*Second Revision*) | Shri K. Reji Jose | 09-01-2023 | 1 | 1 | 0 | [Comment-MED\_2023-01-097912.pdf](https://drive.google.com/open?id=1MGsOWF1sdOxDthd6-dHhAggZcigkzbQm) |
|  | MED\_2023-01-094221 | MED 07 (21449) | Bulk Handling Equipment Crawler Tractors Data Sheet Part 2 Information To Be Supplied By Manufacturer supplier (*Second Revision*) | Shri K. Reji Jose | 09-01-2023 | 1 | 1 | 0 | [Comment-MED\_2023-01-094221.pdf](https://drive.google.com/open?id=1uJ_LGvvGeU2JfI55xs7XJI7V7USTsb1u) |
|  | MED\_2023-01-097021 | MED 07 (21447) | Bulk Handling Equipment Crawler Tractors Data Sheet Part 1 Information To Be Supplied By Purchaser (*Second Revision*) | Shri K. Reji Jose | 09-01-2023 | 1 | 1 | 0 | [Comment-MED\_2023-01-097021.pdf](https://drive.google.com/open?id=1FB-4nb8pRtWPMf2W1nnAjIZI_9-JSKZ-) |
|  | MED\_2021-03-031122 | MED 07 (17045) | Earth - Moving Machinery - Safety Part 6 Requirements for Dumpers (*Second Revision*) **Amendment - 1** | Shri K. Reji Jose  | 03-03-2021 | 1 | 1 | 0 | [Comment-MED\_2021-03-031122.pdf](https://drive.google.com/open?id=1l6U7HZXvHqdYco5xkiPDMmNaXQiej1lG) |
|  | MED\_2024-03-207898 | MED 7(24667) | EARTH-MOVING MACHINERY OPERATOR ENCLOSURE ENVIRONMENT PART 5 WINDSCREEN DEFROSTING SYSTEM TEST METHOD Adoption of ISO 10263-5 | Shri Karthik Kaliappan | 20-03-2024 | 1 | 0 | 1 |  |
|  | MED\_2024-03-209496 | MED 7(24667) | EARTH-MOVING MACHINERY OPERATOR ENCLOSURE ENVIRONMENT PART 5 WINDSCREEN DEFROSTING SYSTEM TEST METHOD Adoption of ISO 10263-5 | Shri Karthik Kaliappan | 20-03-2024 | 1 | 0 | 1 |  |
|  | MED\_2024-03-207177 | MED 7(24665) | EARTH-MOVING MACHINERY OPERATOR ENCLOSURE ENVIRONMENT PART 1 TERMS AND DEFINITIONS (Adoption of ISO 10263-1) | Shri Karthik Kaliappan | 20-03-2024 | 1 | 0 | 1 |  |
|  | MED\_2024-03-201791 | MED 7(23270) | EARTH-MOVING MACHINERY OPERATOR ENCLOSURE ENVIRONMENT PART 6: DETERMINATION OF EFFECT OF SOLAR HEATING | Shri Karthik Kaliappan | 20-03-2024 | 1 | 0 | 1 |  |
|  | MED\_2024-03-205576 | MED 7(23269) | EARTH-MOVING MACHINERY FUNCTIONAL SAFETY PART 4: DESIGN AND EVALUATION OF SOFTWARE AND DATA TRANSMISSION FOR SAFETY-RELATED PARTS OF THE CONTROL SYSTEM | Shri Karthik Kaliappan | 20-03-2024 | 1 | 0 | 1 |  |
|  | MED\_2024-03-204511 | MED 7(23268) | EARTH-MOVING MACHINERY COLLISION WARNING AND AVOIDANCE PART 1: GENERAL REQUIREMENTS | Shri Karthik Kaliappan | 20-03-2024 | 1 | 0 | 1 |  |

***The committee may please formulate a panel to discuss these comments and further decisions can be communicated to the committee.***

**ITEM 9 SELECTIONS OF SUBJECTS**

As per the policy and guidelines, before any new subject is taken up for formulation of National Standard the following issues are to be examined by BIS.

1. Whether the subject is financed by the proposer;
2. Sale ability of the standard;
3. Standards shall be user friendly; and
4. Social needs with regards to safety, health and environment.

Only after assessing the above aspects it will be possible for BIS to consider the formulation of Indian standard. The proposal should essentially be taken in the prescribed Proforma given below. When members propose in the Technical Committee (TC) meeting, they have to fill-in the Performa beforehand which is then be considered by the TC.

[Proforma-MED07.docx](https://docs.google.com/document/u/0/d/1aaHSxIkmwF-w8ePbAmsqjqwqO-6mSnBy/edit)

*The Committee may please note.*

**ITEM 10 PROGRAMME OF WORK**

**10.1** The programme of work of MED 07 may be accessed through the following link. The committee has formulated **184** Indian Standards:

<https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/pow_details>

[Program of work-MED07.pdf](https://drive.google.com/open?id=144MAhXowh0GbA043zEn9BIYRFskPqp5w)

*The Committee may please note.*

**10.2** Status of Standards under BIS Product Certification Scheme.

*No Standards falling in this category.*

*The Committee may please note.*

**ITEM 11 INTERNATIONAL ACTIVITIES**

**11.1** India is having membership on following ISO committees related to MED 07:

List of the Working Groups of ISO/TC 127 and its SCs are as under:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **Reference** | **Title** | **Type** | **Remarks** |
| 1) | [ISO/TC 127/SC 1](https://www.iso.org/committee/52176.html) | Test methods relating to safety and machine performance | Sub committee |  |
| 2) | [ISO/TC 127/SC 2](https://www.iso.org/committee/52180.html) | Safety, ergonomics and general requirements | Sub committee |  |
| 3) | [ISO/TC 127/SC 3](https://www.iso.org/committee/52188.html) | Machine characteristics, electrical and electronic systems, operation and maintenance | Sub committee |  |
| 4) | [ISO/TC 127/SC 4](https://www.iso.org/committee/52192.html) | Terminology, commercial nomenclature, classification and ratings | Sub committee |  |
| 5) | ISO/TC 127/AHG 3  | Investigation regarding the differences between block handlers and wheel loaders | Working group |  |
| 6) | ISO/TC 127/CAG  | Chair's Advisory Group | Working group |  |
| 7) | ISO/TC 127/SG 1  | ISO Off-Road Mobile Work Machine | Working group |  |
| 8) | ISO/TC 127/WG 8  | Sustainability | Working group |  |
| 9) | ISO/TC 127/WG 17  | Rechargeable Energy Storage System (RESS) application for EMM (ISO 5757) | Working group |  |
|  **Joint working groups under the responsibility of another committee** |
| **Sl No.** | **Reference** | **Title** |
| 1) | ISO/TC 23/SC 15/JWG 4 | Joint ISO/TC 23/SC 15 - ISO/TC 127 WG: Traction assist systems/steep slope operation | ISO/TC 23/SC 15/JWG 4 | Joint ISO/TC 23/SC 15 - ISO/TC 127 WG: Traction assist systems/steep slope operation |
| 2) | ISO/TC 82/JWG 1 | Joint ISO/TC 82 - ISO/TC 127 - ISO/TC 195/SC 3 WG : Rock drill rigs | ISO/TC 82/JWG 1 | Joint ISO/TC 82 - ISO/TC 127 - ISO/TC 195/SC 3 WG : Rock drill rigs |

*The committee may please Review.*

**11.2** The list of **177** ISO Standards published by ISO/TC 127 and its subcommittees are given below. The committee may review ISO Standards published and identify the Standards for possible adoption as Indian Standards or inputs can be taken for revising the existing Indian Standards.

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No.** | **Committee/Sub-committee** | **No. of Published Standards** | **Pdf View** |
|  | ISO/TC 127 | 04 | [ISO\_TC 127 - PUB-1.pdf](https://drive.google.com/open?id=12UaIsWGD-Iu59SZEGyjP1f_c-qhzmvIB) |
|  | ISO/TC 127/SC 1 | 36 | <https://www.iso.org/committee/52176.html> |
|  | ISO/TC 127/SC 2 | 78 | <https://www.iso.org/committee/52180.html> |
|  | ISO/TC 127/SC 3 | 43 | <https://www.iso.org/committee/52188.html> |
|  | ISO/TC 127/SC 4 | 23 | <https://www.iso.org/committee/52192.html> |
|  | Total | **184** |  |

*Committee may please note*.

**11.3** "Shri Reji Jose has requested to nominate himself as a committee member in ISO TC/SC 2 and ISO TC/SC/3 to contribute to ISO activities and represent BIS at the ISO level for meetings and document development.

**The committee may formally approve.**

**ITEM 12 BIS COMMITTEES OF THE YEAR AWARDS**

To recognize the significant contribution and outstanding performance of a BIS Sectional Committee or Subcommittee in the development of Indian Standards these awards have been started. Any Sectional Committee or Sub-Committee of BIS would be eligible for the award. The award shall be given to one of the Sectional Committees or Subcommittees under each Divisional Councils on an annual basis. Nomination for the award can be submitted by any Sectional committee/Sub-Committee (by the Chairperson or a Member). Nominations should be submitted to the Member Secretary of the Committee by 30 April of the year in the prescribed form.

The selection shall be based on the following criteria:

- The size and portfolio of the committee’s work, including of any work plan;

- Management of current work program with priority setting, development of need based standards having high degree of relevance, ensuring timelines of standard development;

- Timely review & up-dating of standards;

- Number of standards published;

- Good meeting dynamics with - timely meetings, ensuring adequate agenda items and good level of participation of members;

- Good coordination & communication internally with reporting by a subordinate committee;

- Promotional activities of committee work through workshops, conferences, seminars and trainings;

- Contributions to international standards activities; and

- Specific achievements that are outstanding in nature including any committee level innovations.

The award shall comprise of a plaque and a certificate which shall be presented on the occasion of World Standards Day celebration each year to be received by the Committee Chairperson/Convener or a member or its Member Secretary.

*The Committee may please note.*

**ITEM 13 LETTER OF APPRECIATION TO COMMITTEE MEMBERS**

Objective: To recognize significant contributions of members of technical committees in developing standard(s) that can be considered to be a major development in the subject area and in national/international standardization.

Any individual can be nominated in his/her capacity as a member of a Committee/Subcommittee/panel including their Chairperson/Convenor. Candidates may be nominated by fellow members, by the Chairperson/Convenor or Member Secretary of the relevant technical committee in the prescribed form.

The person nominating shall consider those individuals who have made significant contribution in an important recent standardization project. The following aspects shall be considered while recommending for letter of appreciation:

1. Leadership in initiating a project.
2. Technical inputs provided on standard(s) developed including during preparation of the draft standard.
3. Draft document(s) developed (new Indian Standards/revision of existing Indian Standards).
4. Technical comments/inputs provided on ISO/IEC documents/deliverables or major contributions made in developing International Standards.
5. Exceptional contributions in leading standardization projects at national/international level.
6. Initiatives taken/contributions in standards promotion work through workshops, conferences, seminars and training.

*The Committee may please note*.

**ITEM 14 NATIONAL AND INTERNATIONAL LEVEL EVENTS TO BE PARTICIPATED IN**

BIS has envisaged participation in events organized at national and international level as these events showcases the latest trends in the field of standardization and technological advancements. Considering the importance of these events committee may please suggest such event where participation of BIS can benefit development of national standards.

***Committee may please discuss and suggest some National/International events related to committee.***

**ITEM 15 SCIENTIFIC JOURNALS AND PERIODICALS TO BE SUBSCRIBED**

BIS has taken a new initiative to subscribe to scientific journal and periodicals relevant to committee work. It is also envisaged that relevant articles from these journal and periodicals are shared with members of sectional committee.

Following magazines has been subscribed for MED 07 committee;

|  |
| --- |
| Construction World |
| Equipment times |
| NBM&CW (New Building Material & Construction World) |

***Committee members may please suggest important journals and magazines that may benefit this committee.***

**ITEM 16 CREATION OF POOL OF EXPERTS**

As part of its initiative to develop a pool of experts for standardization activities, BIS has established standardization chairs in technical institutes of national repute, including IITs, NITs, and others. In addition, BIS plans to establish standardization cells in various manufacturer's associations to further this effort. By tapping into the knowledge and skills available in the country, this initiative can assist BIS in developing more effective and technically sound standards. This approach can also ensure that technical experts are linked with the National Standards Body to foster a high-quality ecosystem in India.

*The Committee may please note.*

**ITEM 17 RESEARCH PROJECT TO BE TAKEN UP FOR INCLUSION OF EMPIRICAL DATA AND INSIGHTS**

BIS has recognized the importance of including research to generate empirical data in its standardization process for the development of Indian standards. Decision making without evidence can be challenging, and it may result in dropping some crucial projects related to standard-making. In this regard, empirical data can help the committee to make informed decisions on such issues. By incorporating research-based empirical data, the standardization process can become more evidence-based, accurate, and effective, ultimately leading to the development of better and more relevant Indian standards. This type of project may be granted to experts in the relevant field.

***The committee may deliberate on this topic and identify standards that require empirical data for their development or revision.***

**ITEM 18 NEW INITIATIVES IN STANDARDIZATION**

**DOWNLOADING OF INDIAN STANDARDS (FREE OF COST)**

In order to encourage 'Ease of Doing Business' as well as promote the use of Indian Standards, BIS has decided that the Indian Standards except those adopted from other International Standards bodies may be made available free of cost to the users for non- commercial purposes. The adopted standards from standards developing organisations (SDOs) and all other Indian Standards intended to be used for commercial purposes may be continued to be made available for a price as per existing guidelines.

*The committee may please note.*

**NATIONAL INSTITUTE FOR TRAINING IN STANDARDIZATION (NITS)**

The training schedule of the training offered by National Institute for Training in Standardization (NITS), NOIDA is available on BIS website [www.bis.gov.in](http://../../../Lokraj%20Meena%20sir/14-02-2023-AGENDA%20MAKING%20PENDING/www.bis.gov.in).

*The committee may please note.*

**BIS ACTIVITIES ON SOCIAL MEDIA**

BIS is now active on Social Media. The links have been provided on the BIS website.

*The committee may please note.*

**ONE NATION ONE STANDARD**

Bureau of Indian Standards (BIS), the National Standards Body of India, has developed more than 20000 Indian Standards across 15 sectors covering various aspects of the economy. There are several other government entities in sectors such as railways, defence, space, and nuclear energy applications etc. publishing standards for their own use. In addition, there are Standards Developing Organizations (SDOs) and Regulatory bodies with their expertise overlapping with BIS, which are also developing standards in different domains. Apart from this, leading overseas private standards bodies have set up Indian offices/chapters to promote the use of their standards among Indian industry. This multiplicity of standards has resulted in multiplicity of conformity assessment schemes. There are instances of the same product being subjected to multiple certification as mandated by different Ministries/regulators. This leads to confusion among industry, consumers and purchase organisations as to which standards should be followed and adds to the cost of certification. Such situations are not desirable and are in contradiction to ease of doing business. It also defeats the very purpose of standardisation and results in wastage of resources due to parallel efforts. In order to increase the ‘Ease of Doing Business’, it is important to tackle the issue of multiplicity of standards. Considering that the convergence of standards is of decisive strategic importance to the future of Indian economic growth story, BIS has taken active steps to promote "One Nation One Standard", with BIS, the National Standards Body, functioning as the umbrella organisation steering India's standardisation efforts. As mandated by the BIS Act, 2016, BIS would be recognizing and synergizing the efforts of SDOs to develop standards as per good practices and six principles of international standardisation outlined by WTO and by recognizing these standards formulated by SDOs/Regulators as Indian Standards. BIS has prepared a draft scheme for recognition of SDOs, which was circulated among the SDOs for their comments. Comments received are being examined for necessary modifications in the scheme, if any. In this regard, two consultative meetings of SDOs were held on 09 August 2019 and 02 December 2019.

*The committee may please note.*

**ITEM 19 DATE AND PLACE FOR THE NEXT MEETING**

*The Committee may please decide the date and place for the next meeting.*

**ITEM 20 ANY OTHER BUSINESS**

*The Committee may discuss and decide.*

**ANNEX-A**

(*See Item* **5.4**)

**Composition of Earth Moving Equipment and Material Handling Sectional Committee, MED 07**

|  |  |  |
| --- | --- | --- |
| **Meeting Number** | **Date** | **Place** |
| 33th Meeting  | 26 Sept 2024 | New Delhi (WebEx) |
| 32nd Meeting | 27 June 2023 | New Delhi (WebEx) |
| 31st Meeting | 10 Jan 2023 | New Delhi (WebEx) |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl****No.** | **Organization Representative** | **Principle/Alternate** | **31st**  | **32nd**  | **33th**   | **Total** |
|  | BEML Limited, Bengaluru | Shri Chakrapani Mandela(***Chairman***)Shri Hemant Kumar (Alt) | Y | Y | Y | 3/3 |
|  | Automotive Research Association of India, Pune | Shri A. Akbar Badusha | Y | Y | Y | 3/3 |
|  | Bharat Cooking Coal Ltd, Dhanbad | Shri Arun Nand SahayShri Chandra Shekhar S. I. (Alt) | Y | Y | Y | 3/3 |
|  | Bharat Heavy Electricals Ltd, Noida | Shri G. BhagchandaniShri S. K. Bhaumik (Alt) | N | N | Y | 1/3 |
|  | Caterpillar India Pvt Ltd, Tiruvallur, Chennai | Shri K. Reji JoseShri V Bhaskaran (Alt) | Y | Y | Y | 3/3 |
|  | Central Mine Planning and Design Institute Ltd, Ranchi, Jharkhand | Shri Sudarshan PrasadShree P. Sandeep Naidu (Alt I)Shri Ashish Agarwal (Alt II) | N | N | Y | **1/3** |
|  | Directorate General Factory Advice Service and Labour Institute, Mumbai | Shri Sumit Roy | Y | Y | Y | 3/3 |
|  | Directorate General of Mines Safety, Dhanbad | Shri D. B. NaikShri Vijay Yadaorao Barapatre (Alt) | Y | Y | Y | 3/3 |
|  | Directorate General of Quality Assurance, Ministry of Defence, New Delhi | Lt Col Sidharth KhattriShri Raghubir Singh (Alt) | Y | N | Y | 2/3 |
|  | Epiroc Mining India Ltd, Nashik, Maharashtra | Shri Prakash Gore | N | Y | N | 1/3 |
|  | Heavy Engineering Corporation Limited, Ranchi, Jharkhand | Shri Aravind DossShri Vijay Kumar (Alt)Shri Amit Pal (Alt) | Y | Y | Y | 3/3 |
|  | Indian Construction Equipment Manufacturers’ Association, New Delhi | Shri K.V. KrishnamurthyDr Naveen Upreti (Alt) | Y | Y | Y | 3/3 |
|  | In Personal Capacity (*Engineering Officer Electrical Appliances Technology Division, Central Power Research Institute, P. Box. No.8066, Sadashiva Nagar (Post), Bangalore, Karnataka - 560080*) | Shri G.N. Venkatesh | Y | Y | N | 2/3 |
|  | Indian Institute of Technology (ISM), Dhanbad | Prof. L. A. Kumaraswamidhas | N | N | Y | 1/3 |
|  | JCB India, New Delhi | Shri Saurabh DalelaShri Vivek Rawat (Alt) | Y | Y | Y | 3/3 |
|  | John Deere India Pvt Ltd, Mumbai, Maharashtra | Shri Karthik KaliappanShri Raj Anand (Alt) | Y | Y | Y | 3/3 |
|  | Komatsu India Private Limited, Bengaluru |  Shri Jayakumar C. Shri Vikrant Sharma (Alt I)Shri Naresh. T (Alt II) | Y | Y | Y | 3/3 |
|  | Manitou India Limited, Greater Noida, Uttar Pradesh | Shri Atul K. Singhal | Y | Y | Y | 3/3 |
|  | Ministry of Heavy Industries and Public Enterprises Department of Heavy Industry, New Delhi | Shri Sushil Lakra | N | N | N | **0/3** |
|  | Ministry of Ports, Shipping and Waterways, New Delhi | Shri Anil PruthiShri Ramji Singh (Alt) | Y | Y | Y | 3/3 |
|  | Mumbai Port Trust, Mumbai, Maharashtra | Shri Shri Anjan Kumar MaitShri Rajeev Kumar Yadav (Alt)Shri Satish Kharche (Alt II) | N | N | Y | **1/3** |
|  | National Council For Cement and Bldg. Material, Faridabad, Haryana | Shri Kapil KukrejaShri Saurabh Bhatnagar (Alt) | N | Y | Y | 2/3 |
|  | National Mineral Development Corporation Ltd, Hyderabad | Shri S. J. RaoShri S.K. Roy (Alt) | Y | Y | Y | 3/3 |
|  | National Thermal PowerCorpn. Ltd (NTPC), New Delhi | Shri Madhukar AnandShri P.S. Chatterjee (Alt) | N | N | N | **0/3** |
|  | Office of the Development Commissioner (MSME), New Delhi | Shri Susanta Kumar SomShri Suvankar Santra | Y | Y | N | 2/3 |
|  | Schwing Stetter (India) Private Limited, New Delhi | Shri Rajeev ShaliaShri Varadharajan R. | - | - | - | 0/0 |
|  | Volvo Construction Equipment, Bengaluru | Shri V. R. Sai Prasad PolipalliShri K. Raghuraman (Alt) | N | Y | N | 1/3 |

 **ANNEX-B**

Mr Karthik K. of M/s John Deere has proposed the adaptation of the following ISO standard in **MED 07**:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl No.** | **ISO Standards** | **Description** | **IS Standard** | **Adoption** | **Justification** | **Functional** | **Remarks** |
|  | ISO 6165:2022 | Earth-moving machinery — Basic types — Identification and vocabulary | IS/ISO 6165:2012 | Revision | Latest 2022 version published. This standard is used for regulation. IS 17055-1 referenced and CMVR | Design(WC Done in January) |  |
|  | ISO/TR 6750-2:2022 | Earth-moving machinery — Operator's manual — Part 2: List of references | — | New | IS/ISO 6750-1 already published. Part 2 added for Manual reference. This standard is used for operator manual creation | Design |  |
|  | ISO 10261:2021 | Earth-moving machinery — Product identification numbering system | — | New | Need for off-highway products sold in India. Industry is already following this standard. Referenced IS 17055 -1 | Design |  |
|  | ISO 12117:1997 | Earth-moving machinery — Tip-over protection structure (TOPS) for compact excavators — Laboratory tests and performance requirements | — | New | Referenced IS 17055 -5 | Safety |  |
|  | ISO 16417:2020 | Earth-moving machinery — Hydraulic breakers — Terminology and commercial specifications | — | New | Design standard. Hydraulic breaker attachment is commonly in India | Design |  |
|  | ISO 19014-2:2022 | Earth-moving machinery — Functional safety — Part 2: Design and evaluation of hardware and architecture requirements for safety-related parts of the control system | — | New | IS/ISO 19014-1 and 3 already published. This standard is very important for machine safety controls functional safety. New parts added for more controls systems and reference in IS/ISO 19014-1 | Safety |  |
|  | ISO 19014-4:2020 | Earth-moving machinery — Functional safety — Part 4: Design and evaluation of software and data transmission for safety-related parts of the control system | — | New | IS/ISO 19014- 1 and 3 already published. This standard is very important for machine safety controls functional safety. New parts added for more controls systems and reference in IS/ISO 19014-1 | Safety |  |
|  | ISO/TS 19014-5:2021 | Earth-moving machinery — Functional safety — Part 5: Tables of performance levels | — | New | IS/ISO 19014-1 and 3 already published. This standard is very important for machine safety controls functional safety. New parts added for more controls systems and reference in IS/ISO 19014 -1 | Safety |  |
|  | ISO 21815-1:2022 | Earth-moving machinery — Collision warning and avoidance — Part 1: General requirements | — | New | This is critical standard for Indian Mines and India was part of this WG. | Safety |  |
|  | ISO 24410:2020 | Earth-moving machinery — Coupling of attachments to skid steer loaders | — | New | Design standard. Coupling attachment is commonly in India | Design |  |
|  | ISO 10263-1:2009 | Earth-moving machinery — Operator enclosure environment — Part 1: Terms and definitions | — | New | IS/ISO 10263 2, 3 and 4 published by BIS. Adoption needed for remaining parts. Referenced IS 17055-1 and IS/ISO 10263 2,3, 4 | Design |  |
|  | ISO 10263-5:2009 | Earth-moving machinery — Operator enclosure environment — Part 5: Windscreen defrosting system test method | — | New | IS/ISO 10263 2, 3 and 4 published by BIS. Adoption needed for remaining parts. Referenced IS 17055-1 and IS/ISO 10263 2,3, 4 | Design |  |
|  | ISO 10263-6:2009 | Earth-moving machinery — Operator enclosure environment — Part 6: Determination of effect of solar heating | — | New | IS/ISO 10263 2, 3 and 4 published by BIS. Adoption needed for remaining parts. Referenced IS 17055-1 and IS/ISO 10263 2,3, 4 | Design |  |