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**भारतीयमानकब्‍यूरो**

**BUREAU OF INDIAN STANDARDS**

**DRAFT MINUTES**

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| **COMMITTEE** | **DATE & DAY** | **TIME** |
| **28thMeeting of Continuous Bulk Conveying, Elevating, Hoisting, Aerial Ropeways and Related Equipment Sectional Committee MED 06 through Webex** | **31.05.2024(Friday)** | **2:30 PM (Virtual Mode)** |

**MEETING ATTENDANCE:** Attendance of the meeting is given in Annex A.

**ITEM 0 WELCOME AND OPENING REMARKS**

**0.1 Welcome address by Head (MED)**

Shri K. V. Rao, Head (MED) welcomed Shri R.K. Sharma (Chairperson) and all the committee members. He thanked Chairperson, Shri Ashutosh Bhadra and all the Committee Members for the successful workshop on Indian Standard on Ropeway in association with NHLML. He informed committee members, that now we have received a clear direction for both BIS and NHLML. We have to fill any short comings or gaps and will formulate or revise the Indian standards to ensuremore safety of ropeways, he hoped the committee will make such of standards and India will make pioneer in this field.

He encouraged the members to participate more actively as committee members in formulation of Standards and BIS is a medium to facilitate this. He hoped that committee will have good and fruitful technical deliberations during the meeting on various agenda items.

**0.2 Opening remarks by Chairman**

Shri R. K. Sharma extended a hearty welcome to members of the Committee present and he inform about the workshop held on Indian Standards on the ropewaysin association with NHLML, he told that the main concern raised during the workshop is research and implementation of technology and advancement inropeways and the most important how to implement code of design for operation and maintenance of ropeways. He informedthat the European ropeways are far better in design and appearance and there is fully automation system, we need to work on the automation and appearance. He informed about the point discussed in the workshop about ropeways accident in India and alsoin Europe, and said it was not the issue of design it is the issue of Operation and maintenance. The major concern is the operator is unaware about how to rescue in accidental condition. He requested the industries persons to start more innovation and automation in the field of ropeways.

He hoped that committee will have good, fruitful and unbiased technical deliberations during the meeting on various agenda items.

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

There being no comments on the minutes of the 27th meeting held on dated 27th March 2024, the committee formally confirmed the minutes of the **27th** Meeting of Continuous Bulk Conveying, Elevating, Hoisting, Aerial Ropeways and Related Equipment Sectional Committee MED 06.

*The Committee may note the information.*

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

The committee noted the information given in the agenda.

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

The committee noted the information.

**ITEM 4 ACTIONS ARISING OUT OF THE PREVIOUS MEETINGS**

#### 4.1 Summary of actions taken on the minutes of 27thMeeting and decision arrived are given below:

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| **Sl No.** | **Item\*** | **Actions taken on the decision during the 26th meeting** | **Decision taken during the 27thMeeting** | **Actions taken on the decision during the 27th meeting** | **Decision taken during the 28thMeeting** |
|  | **Item no. 4.1 Sl no. 7** | The meeting of MEDC is yet to be held.  Further the CV of Shri DB Naik is awaited. | Committee noted the information and requested to expedite. | The proposal was put up to the Council in its 27th meeting held dated 26.04.2024.  The Council did not approve the proposal as it opined that the subject ‘Bulk MaterialHandling’ is being dealt with by different TechnicalCommittees. It was suggested that the  MemberSecretaries of the respectiveSectional Committees take up the matter with theircommittees and explore the possibility of bringing standardization of Material Handling undera single committee.  The Committee may note. | The committee has noted the information as given in the agenda. |
|  | **Item no. 4.1Sl no. 3** | ATOAI on telephonic conversation informed that they are further editing the draft standard and the modified will be submitted for Panel consideration.  Same was informed to the Panel during the 5thPnael meeting held in Kolkata dated 08.02.2024. | During the meeting Shri Nirat Bhatt, ATOAI informed the members regarding the recent developments going on, at the international level and the draft on zipline.  The committee noted the information and discussed in detail, and decided the a list of available Indian Standards on the components of Zipline (as indicated in the draft standard on zipline) to be provided by the Members Secretary further. The draft will be modified by shri Nirat Bhatt as per the ongoing International Practices followed, in line with the Indian Condition.  Shri Nirat Bhatt, ATOI agreed to provide the modified draft standard within 1 month. | As decided by the Committee the list of available Indian Standards on the components of Zipline (as indicated in the draft standard on zipline) is under preparation and yet to be shared with ATOAI. | The committee has noted the information and requested to expedite and after the completion of the draft standards it will be circulated as preliminary draft among the Committee members.  During the meeting Shri Nirat Bhatt informed that the same subject has also been taken up for standardization under ISO/TC 83.  Committee noted the information and requested Member Secretary to explore the national mirror committee of ISO/TC 83 and inform the Committee for further actions. |
|  | **Item no. 4.1Sl no. 6** | The 5th panel meeting of the Panel on ‘Ropeways and Ziplines’ was held dated 08.02.2024 in ERO, Kolkata. The draft minutes of the meeting are enclosed below: | Committee noted the information and agreed with the recommendation of the panel and decided that the draft amendment to IS 5228, draft revision of IS 17234 and draft revision of IS 7649 may be circulated as wide circulation for the period of 30 days. | The draft amendment to IS 5228, draft revision of IS 17234 and draft revision of IS 7649 are under drafting and will be circulated as wide circulation in the due course of time. | The committee noted the information as given in the agenda and requested to expedite. |
|  | **Item no. 4.1Sl no. 9** | The amendment to IS 9706, IS 17232, IS 17233, IS 17237, IS 17238, IS 17239, and IS 17240were circulated as wide circulation dated 27th February 2024 for the period of 30 days.  The Committee may note that no comments were received till date. | The committee noted the information and decided that the amendment to IS 9706, IS 17232, IS 17233, IS 17237, IS 17238, IS 17239, and IS 17240 may be send for publication. | As decided the amendment to IS 9706, IS 17232, IS 17233, IS 17237, IS 17238, IS 17239, and IS 17240 has been sent for publication. | The committee noted the information as given in the agenda. |
|  | **Item no. 4.1Sl no. 11** | Inputs are awaited.  The Committee may decide further action. | Committee noted the information and decided that reminder letter to be sent to M/s Usha Breco for their non-participation in the continuous two meetings, and to expedite their action of this agenda point. | As decided a letter has been sent to M/s Usha Breco dated 24.05.2024 requesting them for their active participation in the Committee.  The Committee may note that no response received till date. | During the meeting Shri Sanjeev Dhariwal, Usha Breco informed that Shri Manoj Panwar was busy in some other assignments and he will be available in the next Sectional committee meeting with the assigned work.  Committee noted the information. |
|  |  | The finalized revision draft of IS 5563, IS 5626, and IS 5895 have been sent for publication.  Further, the revision draft of IS 7465 has been circulated as wide circulation dated 28.02.2024, for the period of 30 days. The Committee may note that no comments received till date. | The committee noted the information and decided that the revision draft of IS 7465 may be send for publication. | As decided the finalized revision of IS 7465 has been sent for publication.  It may further be noted that IS 5563, IS 5626, and IS 5895 are also under publication stage. | The committee noted the information as given in the agenda. |

**\*** Item number refers to the proceedings of the last meeting of MED 06.

**ITEM 5 COMPOSITION OF THE SECTIONAL COMMITTEE**

**5.1** The Committee noted the information given in the Agenda.

**5.2** The Committee noted the information given in the Agenda.

**5.3** The Committee noted the information given in the Agenda**.**

**5.4** The Committee noted the information given in the Agendaand decided that organizations with 0/2 or 0/3 attendance may requested to provide the revised nominations and their active participation in the Committee work.

**5.5** The Committee noted the information given in the Agenda**.**

ITEM 6REVIEW AND REAFFIRMATION OF INDIAN STANDARDS

**6.1** The Committee noted the information given in the Agenda and allotted the standards for their review as follows:

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| **IS No.** | **TITLE** | **Allocated to** |
| [IS 15534 : 2004 ISO 5031:1977](https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/knowyourstandards/Indian_standards/isdetails_mnd/7670) | Continuous mechanical handling equipment for loose bulk materials - Couplings and hose components used in pneumatic handling - Safety code | M/s Tata Consulting Engineers |
| [IS 15535 : 2004 ISO 2327:1972](https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/knowyourstandards/Indian_standards/isdetails_mnd/7671) | Pneumatic handling appliances for loose bulk materials - Piping | M/s Tata Consulting Engineers |
| [IS 15536 : 2004 ISO 3284:19](https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/knowyourstandards/Indian_standards/isdetails_mnd/7672) | Continuous mechanical handling equipment for loose bulk materials - Dimensions of bends for use in pneumatic handling | M/s Tata Consulting Engineers |
| [IS 7439 : 1974](https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/knowyourstandards/Indian_standards/isdetails_mnd/14393) | Dimensions for aeroslides | M/s Tata Consulting Engineers |
| [IS 8646 : 1994](https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/knowyourstandards/Indian_standards/isdetails_mnd/15824) | Conveyors - Scrapper (Flight) - General requirements (First Revision) | M/s Tata Consulting Engineers |
| [IS 4776 (Part 1) : 1977](https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/knowyourstandards/Indian_standards/isdetails_mnd/19601) | Specification for troughed belt conveyors: Part 1 troughed belt conveyors for surface installation | M/s Elecon Engineering Company Limited |
| [IS 4776 (Part 2) : 1977](https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/knowyourstandards/Indian_standards/isdetails_mnd/19602) | Specification for troughed belt conveyors: Part 2 troughed belt conveyors for underground installation | M/s Elecon Engineering Company Limited |
| [IS 17405 : 2020](https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/knowyourstandards/Indian_standards/isdetails_mnd/24828) | Calculation for Design of Ropeway Installation Intended for Transportation of Passengers — Code of Practice | Panel on Ropeways and Ziplines |
| [IS 17406 : 2020](https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/knowyourstandards/Indian_standards/isdetails_mnd/24829) | Transportation, Storage, Installation and Tensioning of Wire Ropes for Passenger Ropeway — Code of Practice | Panel on Ropeways and Ziplines |

The Committee further requested to share the soft copy of the above standards with the respective members along with the commenting template. Members have to go through the standards and provide their suggestions or comments in the commenting template before the next Committee meeting for consideration.

**ITEM 7 COMMENTS ON PUBLISHED INDIAN STANDARDS**

The Committee noted the information given in the Agenda.

**ITEM 8 SELECTIONS OF SUBJECTS**

The Committee noted the information given in the Agenda**.**

**ITEM9 INTERNATIONAL ACTIVITIES**

**9.1** The Committee noted the information given in the Agenda.

**9.2**The Committee noted the information given in the Agenda.

**9.3**The Committee noted the information given in the Agenda.

**9.4** The Committee noted the information given in the Agenda.

**ITEM 10 PROGRAMME OF WORK**

The Committee noted the information given in the Agenda.

**ITEM 11 BIS COMMITTEES OF THE YEAR AWARDS**

The Committee noted the information given in the Agenda.

**ITEM 12 LETTER OF APPRECIATION TO COMMITTEE MEMBERS**

The Committee noted the information given in the Agenda.

**ITEM 13 NATIONAL AND INTERNATIONAL LEVEL EVENTS TO BE PARTICIPATED IN**

The Committee noted the information given in the Agenda.

**ITEM 14 SCIENTIFIC JOURNALS AND PERIODICALS TO BE SUBSCRIBED**

The Committee noted the information given in the Agenda.

**ITEM 15 CREATION OF POOL OF EXPERTS**

The Committee noted the information given in the Agenda.

**ITEM 16 RESEARCH PROJECT TO BE TAKEN UP FOR INCLUSION OF EMPIRICAL DATA AND INSIGHTS**

The Committee noted the information given in the Agenda.

**ITEM 17 RECENT INITIATIVES IN THE STANDARD DEVELOPMENT PROCESS OF BIS**

**17.1**The Committee noted the information given in the Agenda.

**17.2**The Committee noted the information given in the Agenda.

**17.3** The Committee noted the information given in the Agenda.

**ITEM 18 GUIDELINES FOR MEMBERS OF TECHNICAL COMMITTEES**

The Committee noted the information given in the Agenda.

**ITEM 19 NEW INITIATIVES IN STANDARDIZATION**

1. The Committee noted the information given in the Agenda.
2. The Committee noted the information given in the Agenda.
3. The Committee noted the information given in the Agenda.
4. The Committee noted the information given in the Agenda.
5. The Committee noted the information given in the Agenda.

**ITEM 20 SUSTAINABILITY PERSPECTIVE IN INDIAN STANDARDS**

1. The Committee noted the information given in the Agenda.
2. The Committee noted the information given in the Agenda.

**ITEM 21 UNECE GENDER RESPONSIVE STANDARDS DECLARATION**

The Committee noted the information given in the Agenda.

**ITEM 22 ACCESSIBILITY**

The Committee noted the information given in the Agenda.

**ITEM 23 DATE AND PLACE FOR THE NEXT MEETING**

The Committee noted the information and decided that the next meeting may be planned in consultation with Chairman, MED 06.

**ITEM 24 ANY OTHER BUSINESS**

During the meeting the points raised during the workshop were discussed and Committee requested Shri Ashutosh Bhadra, Convener of Panel on Ropeways and Ziplines to convene the next Panel meeting at the earliest and discussed the future roadmap for the Panel work.

There was no other business, meeting ended with the vote of thanks to the Chairman and everyone.

**ANNEX A**

**Attendance of 27th meeting of Continuous Bulk Conveying, Elevating, Hoisting, Aerial Ropeways and Related Equipment Sectional Committee, MED 06**

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| **Sl No.** | **ORGANISATION REPRESENTED** | **MEMBER PRESENT** | **E-MAIL** |
|  | RITES Limited, Gurugram | Shri. R. K. Sharma  ***(Chairperson)*** | rajeev.civil@rites.com |
|  | Adventure Tour Operator Association, New Delhi | Shri. Nirat Bhatt | nirat@climbingworld.com |
|  | Conveyor and Ropeway Services Private Limited, Kolkata | Shri Kamal Kumar Bose | kbose28@yahoo.com |
|  | Damodar Ropeways & Infra Limited, Kolkata | Shri.Shri D. L. Das | dldasdl@gmail.com |
|  | Directorate General Factory Advice Service and Labour Institutes, Mumbai | Shri Dev Kumar Saxena | dks@dgfasli.nic.in |
| Shri Karunesh Srivastava | kas@dgfasli.nic.in |
|  | Elecon Engineering Company Limited, Gujarat | Shri Naineshkumar Anilkumar Patel | naineshpatel@elecon.com |
|  | J S Mohar Construction Company Private Limited, Bardhaman | Shri Sandip Singh | jsminfra@gmail.com |
|  | Ministry of Ports, Shipping and Waterways, New Delhi | Shri Ramji Singh | ramji.shing@nic.in |
|  | NTPC Limited, New Delhi | Shri Manish Kumar | manishkumar02@ntpc.co.in |
|  | National Highways Logistics Management Limited, New Delhi | Shri Akhilesh Kushwaha  (*Representative*)  Shri NC Shrivastav  (*Representative*) | [akhilesh.kushwaha@kearney.com](mailto:akhilesh.kushwaha@kearney.com)  ncrites@rediffmail.com; |
|  | National Institute of Technology, Kurukshetra | Shri Manoj Kumar Gupta | mkg201322@gmail.com |
|  | Tata Consulting Engineers Limited, Navi Mumbai | Shri Shireesh S. Swami | ssswami@tce.co.in |
|  | Usha Breco Limited, Ghaziabad | Shri Sanjeev Dhariwal | sanjeev.d@ushabreco.com |
|  | Usha Martin Limited, Ranchi | Shri. Tushar Mukherjee | tushar\_mukherjee@ushamartin.co.in |
|  | In Personal Capacity | Shri S.C. Gandhi | scgandhi\_03@yahoo.co.in |
|  | In Personal Capacity | Shri. Ashutosh Bhadra | bhadraashu52@gmail.com |
|  | In Personal Capacity | Shri. Shri Ranjan Mukherjee | ropeways@yahoo.com |
|  | BIS, New Delhi | Shri K. V. Rao  (*Head MED*) | hmed@bis.gov.in |
|  | BIS, New Delhi | Aman Dhanawat (*Member Secretary*) | med@bis.gov.in |