

**FOR BIS USE ONLY**

## BUREAU OF INDIAN STANDARDS

**(By Email Only) MINUTES**

Meeting	Date and Time	Venue
25 <sup>th</sup> Meeting of Mining Techniques and Equipment Sectional Committee, MED 08	07 June 2023 (Wed) from 1400h-1700h	Auditorium, Manak Bhavan, BIS HQ, Delhi and through BIS Webex Virtual Platform

**CHAIRMAN:** Shri Saifullah Ansari, Director (MSE), Directorate General of Mines Safety, Dhanbad.

**MEMBER SECRETARY:** Shri Shubham Yadav, Asst. Director/Scientist- B (MED), BIS, New Delhi.

### ITEM 0 WELCOME AND OPENING REMARKS

Shri Saifullah Ansari welcomed all the members and extended a hearty welcome to the members of the committee present in the meeting. Chairman MED 08.

He also advised the members to speed up the standards formulation process and industry needs to stringently follow BIS Standards wherever available as they remove discretion and safety is enhanced which is paramount in the field of mining.

He hoped the deliberations during the meeting will be fruitful for the cause of Standardization.

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

There being no comments, the Committee confirmed the minutes of the twenty-fourth meeting of Mining Techniques and Equipment Sectional Committee, MED 08 which was held on 05-January-2023 and the corresponding Minutes were circulated vide e-mail (med@bis.gov.in) dated 03-February-2023.

*The committee has formally accepted 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](#)

*The committee has noted the information.*

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

Rolling annual action plan has been prepared and has been enclosed.



Annual Action  
Plan.xls

*The committee has noted the information regarding the rolling annual action plan and approved the annual meeting calendar.*

**ITEM 4 ACTIONS ARISING OUT OF THE MINUTES OF THE 24<sup>th</sup> MEETING**

**4.1** The summary of actions taken on the minutes of 24<sup>th</sup> Meeting of **Mining Techniques and Equipment Sectional Committee, MED 08** and present status are given below:

Sl No	Item*	Decision taken during the 24 <sup>th</sup> Meeting	Action taken on decisions of 24 <sup>th</sup> Meeting	Action Taken During 25 <sup>th</sup> Meeting
1	<b>2.1 (2) (a)</b>	<p>The committee decided for the testing of 125 kN Clivey hook at CIMFR Dhanbad before incorporating its specifications in the standards.</p> <p>The committee requested the member secretary to write a letter to the Director or Chairman CIMFR Dhanbad for the priority testing of the 125 kN clivey hook.</p>	<p>CIMFR Dhanbad has informed us that they are interested in doing the work.</p> <p>They have also requested to provide the drawing of the 125 kN load capacity Clivey hook and details of the tests that are to be performed on the prototype.</p> <p>Reff. email on dated 05 June 2023, Shri J. P. Goenka sir has provided the photo &amp; date sheet of 125 KN Clivey hook to CIMFR.</p> <p>Also, CIMFR has been requested to confirm their ability to carry out the break load test for further actions.</p> <p>The committee may decide on further action.</p>	<p>Shri J. P. Goenka has informed us that the prototype of the 125 KN Clivey Hook is ready for break load testing, and he has also shared the photo and data sheet with CIMFR Dhanbad.</p> <p>Shri Surajit Dey from CIMFR has agreed to perform the break load test on the prototype as soon as he gets permission from the competent authority and will share the results with committee for further action.</p>

2	2.1 (2) (d)	<p>The committee decided to wide circulate the standard for 2 months' time and simultaneously also send a copy to M/s Ovis Equipment for their comments, if any.</p> <p><i>Further decision will be taken in consultation with the Chairman MED 08.</i></p>	<p>Cross referred standards are being incorporated and draft will be put up for WC for 2 months within 15 days.</p> <p>Committee may note the information.</p>	<p>The Committee has noted the information and decided to circulate the draft standard (IS 9999 : 1981) for comments.</p>
3	2.1 (2) (i)	<p>The committee requested DGMS Dir (S&amp;T) to provide a merged standard on rock bolts.</p>	<p>The member secretary provided the editable word copy of the standards and contact details of the panel members vide his mail dated 27-October-2022.</p> <p>Also, As informed by Shri Goenka, the other standard on rock bolts is ASTM F432-95 and same has been provided vide his mail dated January 6, 2023.</p> <p>Revised draft is awaited.</p> <p><i>The committee may further discuss and decide.</i></p>	<p>Shri Md. Niyazi, Director (S&amp;T), DGMS, has informed the committee that he has been working on the draft of the merged standard on rock bolts with Dr. Ranjan Kumar (CIMFR).</p> <p>Also, he will take help from ASTM F432-95 for a better draft standard.</p> <p>The committee decided to update the draft with the latest developments within 45 days.</p>
4	2.1 (2) (k)	<p>The committee decided to wide circulate the document for 02 months' time.</p> <p><i>Further decision will be taken in consultation with the chairman MED 08.</i></p>	<p>The draft document after recent formatting and editorial changes will be put for wide circulation within 15 days.</p> <p><i>Further decision will be taken in consultation with the chairman MED 08.</i></p> <p><i>Committee may note the information.</i></p>	<p>The committee has noted the information.</p>

5	2.1 (3)	<p>The committee decided to reformulate the panel as:</p> <p>Shri Rakesh Singhvi (Convener) One member from TATA or UCIL Shri J. P. Goenka Shri Surajit Dey</p> <p><i>The committee requested the panel to convene the meeting for the formulation of the standard on Kope Winder.</i></p>	<p>Draft is still awaited for the formulation of the standard on Kope Winder.</p> <p>Committee may please discuss and decide.</p>	<p>Shri J.P. Goenka has informed the committee that the draft has been pending for a very long time for Kope Winder. Also, he has agreed to share past developments with panel members.</p> <p>Chairman Sir has also requested that the panel members expedite the work on the draft standard and also include one member from TATA or UCIL in the committee.</p> <p>The committee requested that the panel convene the meeting for the formulation of the standard on Kope Winder.</p>
6	2.1 (11)	<p>The committee opined to contact M/s BEML for the South African Standard. Meanwhile the committee also requested the member secretary to provide an American an editable word copy of the Australian standard.</p> <p>The committee also decided to co-opt the following members in the panel:</p> <p>Shri K. Madhav Rao, Dy. Dir, S&amp;T, DGMS Shri U. J. Dhanapaul from M/s Ovis Equipments</p> <p><i>The committee requested the panel to convene the meeting for the drafting of the standard.</i></p>	<p>Editable word file of Australian standard AS 3584-2:2021 Diesel Engine Systems For Underground Coal Mines Part 2: Explosion Protected is attached below.</p> <p><a href="#">Australian Standard AS 3584 (Final).docx</a></p> <p>South African standards (SANS) from BEML is still awaited.</p> <p>The committee may discuss and decide on further action.</p>	<p>The committee decided to reformulate the panel as below:</p> <p>Shri Vijay Barapatre, Dy. Director (Mech.), DGMS Western Zone, Nagpur -Convener Shri Upender Rapolu, Dy. Director (S&amp;T), DGMS, HQ Shri CH. V.R.S. Prasada Rao, BEML Shri Reji Jose, M/s Caterpillar Shri U.J. Dhanapaul from M/s Ovis Equipment Shri Malay Kumar Jana, Dy. Director, Electric Headquarter, Dhanbad</p> <p>The committee decided to contact Shri CH. V.R.S. Prasada Rao from BEML for the South African Standard and also requested the member secretary to find any other standard pertaining to this subject and provide it to the panel.</p> <p>The committee requested that the panel convene the meeting for the</p>

				<p>formulation of the standard on Diesel Engine Systems For Underground Coal Mines: Explosion Protected.</p>
7	4.3	<p>The committee requested Shri Vijay Barapatre to provide further details from the industry for the revision of IS 9011.</p> <p><i>Shri Barapatre agreed to the request of the committee.</i></p>	<p>Inputs from Shri Vijay Barapatre regarding the details from the industry are still awaited for the revision of IS 9011.</p> <p>The committee may discuss and decide on further action.</p>	<p>Shri Vijay Barapatre has informed the committee that after contacting various industries, he has found that Skip suspension gears are not being used widely in the industry and there is no further revision required in the standard <b>IS 9011:1978</b>.</p> <p>Being a pre 2000 standard the committee decided to propose the revision draft after editorial changes for review.</p>

8	4.4	<p><i>The committee noted the information.</i></p>	<p>The revised draft document is in the final stage of printing and ready for gazette.</p> <p>Committee may please note the information.</p>	<p><i>The committee has noted the information.</i></p>
9	5	<p>The committee requested Shri Atul Sharma and Shri Vijay Barapatre to provide their inputs on IS 4001 and IS 8066 within <b>15</b> days' time for the revision of the standard.</p> <p><i>Shri Atul Sharma and Shri Vijay Barapatre agreed to the request of the committee.</i></p>	<p>An editable word copy of IS 8066 along with IS 4001 has been shared via email on January 9, 2023.</p> <p>Shri Vijay Barapatre has informed that the standard was reviewed and found that the user industry is using mine-tubs as specified in the standard. Further, on communicating with the user industry, it was felt that the existing standard in its present form is acceptable to all as per design parameters. Hence, no further revision is recommended.</p> <p>The committee may discuss and decide on further action.</p>	<p>The Committee decided to reaffirm the standard.</p> <p>The committee may please note the information.</p>

<p>10</p>	<p><b>7.1 (1)</b></p>	<p>The committee decided to add M/s Opel in the committee.</p> <p>The committee also decided to provide the names of members from M/s Hutti Gold Mines and from M/s SAIL.</p> <p><i>The committee requested the panel to convene the meeting for the revision of the standard.</i></p>	<p>Names of members from M/s Hutti Gold Mines and from M/s SAIL are still awaited.</p> <p>Committee is requested to provide the name and contact details of competent persons to take up the review of IS 9123:1979.</p> <p>Committee may please discuss and decide.</p>	<p>The committee decided to reformulate the panel as below:</p> <p>Shri Atul Sharma, M/s MOIL (Convener)                  Shri CH. V. R. S. Prasada Rao, BEML                  Shri Venkatesh Kustagi from Hutti Gold Mines                  Shri Rakesh Singhvi, M/s HZL                  Shri U. J. Dhanapaul from M/s Ovis Equipments</p> <p>Also, Shri J.P. Goenka has agreed to provide contact details for Shri Venkatesh Kustagi from Hutti Gold Mines.</p> <p>The committee has requested that the panel expedite the process and conduct a panel meeting and prepare a revision draft.</p>
<p>11</p>	<p><b>7.1 (2)</b></p>	<p>The committee requested the chairman MED 08, Dir (S&amp;T), DGMS and Dy. Director (Mech.), DGMS to review the documents referred from sl. no. 1 to sl. no. 11 within <b>15 days'</b> time and confirm the correctness of the drafts for further necessary action.</p>	<p>Recommendation awaited for the review the documents referred from sl. no. 1 to sl. no. 11.</p> <p>Since the documents from sl. no. 1 to 11 have already completed wide circulation and being pre-2000 standard committee may discuss and decide for the printing of the documents.</p>	<p>The committee decided to circulate the draft again to Md. Niyazi, Dir (S&amp;T), DGMS and Shri Kaushik Sen Gupta, Dy. Director (Mech.), DGMS HQ Dhanbad to review the documents referred from <b>sl. no. 1 to sl. no. 11 within 15 days'</b> time and confirm the correctness of the drafts for further necessary action.</p> <p>The committee also decided to take further action on the printing of these standards after receiving input from Dir (S&amp;T), and Dy. Director (Mech.), DGMS, HQ Dhanbad.</p> <p>Pls refer sl. no. 12</p>

		<p>For sl. no. 12, please refer to Item No. <b>6.1</b> of the Agenda.</p> <p>The committee requested DGMS to provide a revised draft within <b>15 days'</b> time.</p> <p><i>The documents will then be sent for wide circulation for public commenting, in consultation with the chairman MED 08.</i></p>	<p>Revision draft is awaited from DGMS.</p> <p>Committee may please discuss and decide.</p>	<p>The committee decided to circulate the draft after editorial changes for review and comment by the members.</p>
12	<b>6.1</b>	<p>Shri M. Arumugam orally informed that IS 9192 has been sent for vetting to the electrical department of DGMS Hyderabad. He informed that a final copy of the standard (IS 9192) will be provided in <b>01 weeks'</b> time.</p> <p><i>The committee agreed to the information provided by Shri M. Arumugam.</i></p>	<p>Final copy of draft standard IS 9192 awaited from DGMS Hyderabad.</p> <p>DGMS Hyderabad is requested to provide the final copy of the standard (IS 9192) as the draft document has already completed the WC stage and is ready for printing.</p> <p>Committee may please discuss and decide on this matter.</p>	<p>A copy of the draft standard IS 9192 has been received from DGMS Hyderabad through Shri M Arumugam, Director (Mech.), SCZ, Hyderabad.</p> <p>The committee decided to send the draft for printing.</p>
13	<b>7.1 (2)</b>	<p>Shri M Arumugam vide his mail dated 03-January-2023 confirmed the transfer of IS 12635 : 2000 &amp; IS 9026 : 2004 from MED 21 to MED 08.</p> <p><i>The committee MED 08 also agreed to the revised scope of MED 21 and no comments/feedback were provided.</i></p>	<p>The committee had decided to transfer IS 12635 : 2000, IS 7209:1974 &amp; IS 9026 : 2004 from MED 21 to MED 08.</p> <p>The committee MED 08 also agreed to the revised scope of MED 21 and no comments/feedback were provided.</p> <p>The matter will be put up for Division council approval.</p> <p>Committee may please note the information.</p>	<p>The committee has noted the information.</p>
14	<b>6.1</b>	<p>The committee agreed to the proposal of the member secretary and decided to transfer IS 7974 (Part 1) :</p>	<p>For the transfer of IS 7974 (Part 1) : 1976, IS 7974 (Part 2) : 1977 and IS 7974 (Part 3) : 1976, the matter will be</p>	<p>The committee has noted the information.</p>



		1976, IS 7974 (Part 2) : 1977, IS 7974 (Part 3) : 1976 to WRD from MED 08.	put up in Division council meeting of MED and WRD for there approval.  Committee may please note the information.	
15	7.1 (2)	The committee decided to wide circulate the 05 documents for 02 months' time for public commenting.  <i>Further decisions will be taken in consultation with the chairman MED 08.</i>	The documents were wide circulated for 02 months' time. No comments have been received.  Committee may approve the draft revision for publication.	The Committee discussed and decided to send the document to printing
16	6.1	<i>The committee noted the information.</i>	Please see Cl. 7.1 for Pre-2000 standards revision.	Please see Cl. 7.1 for Pre-2000 standards revision.

#### ITEM 4.2 Transfer of all parts of IS 7587

In the 25th meeting of Wire Ropes and Wire Products Sectional Committee, MED 10, the committee proposed to transfer the standards on Cage suspension gear (all parts of IS 7587) from MED 08 to MED 10. Please find list of all parts of IS 7587-

Sl. No.	IS No.	Title
1	<b>IS 7587 (Part 1) : 2020</b>	Cage Suspension Gear for Winding in Mines Part 1 General Requirements ( Second Revision )
2	<b>IS 7587 (Part 2) : 2006</b>	Cage suspension gear for winding in mines - Specification: Part 2 cappels (First Revision)
3	<b>IS 7587 (Part 3) : 2006</b>	Cage suspension gear for winding in mines - Specification: Part 3 shackles and pins (First Revision)
4	<b>IS 7587 (Part 4) : 2006</b>	Cage suspension gear for winding in mines - Specification: Part 4 bridle chains (First Revision)
5	<b>IS 7587 (Part 5) : 2006</b>	Cage suspension gear for winding in mines - Specification: Part 5 distribution plates (First Revision)
6	<b>IS 7587 (Part 6) : 2006</b>	Cage suspension gear for winding in mines - Specification: Part 6 safety detaching hooks (4 Plates Type) 80 and 100 kN capacity (First Revision)
7	<b>IS 7587 (Part 7) : 2017</b>	Cage suspension gear for winding in mines - Specification: Part 7 safety detaching hook (4 Plate Type) 120, 150 and 200 kN capacity (First Revision)

8	<b>IS 7587 (Part 8) : 1993</b>	Winding in mines - Suspension gear: Part 8 clivey hook suspension arrangements
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The committee expressed its concern that most of the experts related to these standards are part of the MED 08 committee.

The committee decided to ask for a valid reason for transferring these standards from MED 08 to MED 10, and also that at the next meeting, members from MED 10 should be invited for fruitful discussion.

A further decision will be taken after receiving a reply and discussion with the MED-10 committee.

**\*The Item number refers to the proceedings of the last Meeting of MED 08.**

**ITEM 5 COMPOSITION OF THE SECTIONAL COMMITTEE**

**5.1** *The Committee has noted the information.*

**5.2** *The Committee has noted the information.*

**5.3** *The Committee has noted the information.*

**5.4** *The Committee has noted the information and also instructed the member secretary to send reminders to all panel conveners and non-participating members to join the next meeting.*

**5.5** *The Committee has noted the information.*

**ITEM 6 DRAFT STANDARDS STAGES**

**6.1 Documents in WC-Stage**

Sl No.	IS No.	IS Title	Document No.	Document Type	Document Stage	Remarks
	IS 14567 : 1998	Winding in mines design of cages guidelines ( <i>first revision</i> )	MED/08/21744	Revision	WC-Draft	Item 4.1, Sl No.15, Clause 7.1(2) (5)
	IS 9910 : 1981	Method for braze strength testing of coal and rock cutting tools with laid-on tungsten-carbide tips	MED/08/20457	Revision	WC-Draft	Item 4.1, Sl No.11, Clause 7.1(2) (11)
	IS 8166 : 1988	Rotary drill bits for drilling principally in coal — Specification	MED/08/21735	Revision	WC-Draft	Item 4.1, Sl No.15, Clause 7.1(2) (1)

IS 14352 : 1996	Miners safety goggles — Specification	MED/08/20463	Revision	WC-Draft	Item 4.1, Sl No.11, Clause 7.1(2) (1)
IS 12527 : 1988	General requirements for riders for buckets used in shaft sinking operations in mines	MED/08/20462	Revision	WC-Draft	Item 4.1, Sl No.11, Clause 7.1(2) (6)
IS 8066 : 1976	Mine cars — Specification	MED/08/20453	Revision	WC-Draft	Item 4.1, Sl No.11, Clause 7.1(2) (5)
IS 13282 : 1991	Mine haulage tracks track sleepers general requirements ( <i>first revision</i> )	MED/08/21740	Revision	WC-Draft	Item 4.1, Sl No.15, Clause 7.1(2) (4)
IS 10970 : 1984	Keps for mine cages — Specification	MED/08/20643	Revision	WC-Draft	Item 4.1, Sl No.11, Clause 7.1(2) (2)
IS 10046 : 1981	Dog spikes for mine haulage tracks — Specification	MED/08/20458	Revision	WC-Draft	Item 4.1, Sl No.11, Clause 7.1(2) (4)
IS 8421 : 1977	Hydraulic props — Specification ( <i>first revision</i> )	MED/08/21737	Revision	WC-Draft	Item 4.1, Sl No.15, Clause 7.1(2) (2)
IS 9192 : 1979	Flameproof hand-held rotary electric drilling machine for use in mines — Specification	MED/08/20486	Revision	WC-Draft	Item 4.1, Sl No.12, Clause 6.1
IS 9171 : 1979	Code of practice for maintenance and use of friction and hydraulic props and link bars	MED/08/20456	Revision	WC-Draft	Item 4.1, Sl No.11, Clause 7.1(2) (9)
IS 8473 : 1988	Roof bars used in mines — Specification	MED/08/20644	Revision	WC-Draft	Item 4.1, Sl No.11, Clause 7.1(2) (3)
IS 10202 : 1982	Scrapers used in mines — Specification	MED/08/21522	Revision	WC-Draft	Item 4.1, Sl No.11, Clause 7.1(2) (10)
IS 12450 : Part 1: 1988	Steel headframes for mines Part 1 principles of load computation and applicable factors of safety	MED/08/20461	Revision	WC-Draft	Item 4.1, Sl No.11, Clause 7.1(2) (8)
IS 13618 : 1993	Mine haulages direct rope 50 to 150 kw general requirements ( <i>first revision</i> )	MED/08/20507	Revision	WC-Draft	Item 4.1, Sl No.11, Clause 7.1(2) (7)

IS 12464 : 1988	Methods of test for roof bars used in mines	MED/08/21738	Revision	WC-Draft	Item 4.1, Sl No.15, Clause 7.1(2) (3)
IS 9239 : 1999	Winding in mines sheaves cast specification ( <i>second revision</i> )	MED/08/19661	Revision	WC-Draft	Item 7.1 Sl 7

**Note:-** For Sr. No. 18, the committee decided to send the document for printing.

## 6.2 Documents in Printing-Stage

Sl No.	IS No.	IS Title	Document No.	Document Type	Document Stage	Remarks
1	IS 9494: 1980	Specification for man-riding cars used in mines ( <i>first revision</i> )	MED/08/18002	Revision	In Printing (Ready for Gazette)	19 May 2023
2	IS 8534 : Part 1: 2017	Mine tub couplings and drawbars for use in mines Part 1 — Specification ( <i>fourth revision</i> )	MED/08/18003	Revision	In Printing (PDF Sent To Technical Department )	01 May 2023
3	IS 12526: 1988	Specification for bucket for shaft sinking operations in mines ( <i>first revision</i> )	MED/08/18004	Revision	In Printing (PDF Sent To Technical Department )	26 April 2023
4	IS 12489: 1988	Recommendations for fitting terminal wire rope sockets by cone and tail method	MED/08/19664	Revision	In Printing (PDF Sent To Technical Department )	19 May 2023
5	IS 9203 : Part 1: 1979	Friction rollers for mine haulage tracks — Specification Part 1 Technical supply conditions ( <i>first revision</i> )	MED/08/19558	Revision	In Printing (Ready for Gazette)	19 May 2023
6	IS 9203 : Part 4:	Friction rollers for mine haulage	MED/08/19562	Revision	In Printing	19 May

	1979	tracks — Specification Part 4 Rollers with non-metallic rope bearing surfaces ( <i>first revision</i> )			(Ready for Gazette)	2023
7	IS 12488: 1988	Haulage rope cappels — Specification ( <i>first revision</i> )	MED/08/19667	Revision	In Printing (Ready for Gazette)	19 May 2023
8	IS 9203 : Part 2: 1979	Friction rollers for mine haulage tracks specification Part 2 Parallel rollers ( <i>first revision</i> )	MED/08/19560	Revision	In Printing (Ready for Gazette)	26 May 2023
9	IS 9227: 1979	Friction roller mountings for mine haulage tracks — Specification ( <i>first revision</i> )	MED/08/19564	Revision	In Printing (Ready for Gazette)	19 May 2023
10	IS 9203 : Part 3: 1979	Friction rollers for mine haulage tracks — Specification Part 3 Tapered and vertical rollers and horizontal and vertical pulleys ( <i>first revision</i> )	MED/08/19561	Revision	In Printing (Ready for Gazette)	19 May 2023

**The committee has noted the information.**

## **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 08 are as following, for committee consideration.

<b>Sl No.</b>	<b>IS Number</b>	<b>IS Title</b>	<b>Status</b>	<b>Remarks</b>
1	IS 8066 : 1976	Specification for mine cars	WC-Draft (20453) 12-09-2022	The committee has noted the information.
2	IS 8166 : 1988/ ISO 1717:1974	Specification for rotary drill bits for drilling principally in coal ( <i>first revision</i> )	WC-Draft (21735). 10-01-2023	
3	IS 8421 : 1977	Specification for hydraulic props	WC-Draft (21737)	
	IS 8473 : 1988	Specification for roof bars used in mines	WC-Draft (20644) 10-01-2023	

IS 9171 : 1979	Code of practice for maintenance and use of friction and hydraulic props and link bars	WC-Draft(20456)
IS 9192 : 1979	Specification for flameproof hand — Held rotary electric drilling machine for use in mines	WC-Draft (20486)
IS 9239 : 1999	Winding in mines — Sheaves — Cast — Specification ( <i>first revision</i> )	WC-Draft (19661) 30-05-2022
IS 9910 : 1981	Method for braze strength testing of coal and rock cutting tools with laid-on tungsten — Carbide tips	WC-Draft(20457) 12-09-2022
IS 10046 : 1981	Specification for dog spikes for mine haulage tracks	WC-Draft (20458) 12-09-2022
IS 10202 : 1982	Specification for scrapers used in mines	WC-Draft (21522) 03-01-2023
IS 10970 : 1984	Specification for keps for mine cages	WC-Draft (20643) 06-10-2022
IS 12450 (Part 1) : 1988	Steel headframes for mines: Part 1 Principles of load computation and applicable factors of safety	WC-Draft (20461) 06-10-2022
IS 12464 : 1988	Methods of test for roof bars used in mines	WC-Draft (21738) 10-01-2023
IS 13282 : 1991	Mine haulage tracks — Track sleepers — General requirements	WC-Draft (21740) 10-01-2023
IS 13517 : 1992	Rock bolts — Resin type — Specification	
IS 13618 : 1993	Mine haulages — Direct rope (50 To 150 kW) — General requirements	WC-Draft (20507) 12-09-2022
IS 14352 : 1996	Miners Safety Goggles —Specification	WC-Draft (20463)

			12-09-2022
IS 14567 : 1998	Winding in mines — Design of cages — Guidelines		WC-Draft (21744) 10-01-2023
IS 8534 (Part 2) : 1995	Mine tub couplings and drawbars: Part 2 C-Link and D-Shackle type ( <i>first revision</i> )		PRINTING (18003)(PDF Sent to technical department) 01-05-2023 (IS 8534 : Part 1: 2017) Fourth Revision Amalgamation of Part 2 3 4 5 6
IS 9203 (Part 1) : 1979	Friction rollers for mine haulage tracks: Part 1 Technical supply condition		19558 Ready for Gazette 19-05-2023
IS 9203 (Part 2) : 1979	Friction rollers for mine haulage tracks: Part 2 Parallel rollers		19560 Ready for Gazette 26-05-2023
IS 9203 (Part 3) : 1979	Friction rollers for mine haulage tracks: Part 3 Tapered and vertical rollers and horizontal and vertical pulleys		19561 Ready for Gazette 19-05-2023
IS 9203 (Part 4) : 1979	Friction rollers for mine haulage tracks: Part 4 Rollers with non-metallic rope bearing surfaces		19562 Ready for Gazette 19-05-2023
IS 9227 : 1979	Specification for friction roller mountings for mine haulage tracks		19564 Ready for Gazette 19-05-2023
IS 9494 : 1980	Specification for man-riding cars used in mines		18002 Ready for Gazette 19-05-2023
IS 12488 : 1988	Specification for haulage rope cappels		19667

			Ready for Gazette 19-05-2023	
IS 12489 : 1988	Recommendations for fitting terminal wire rope sockets by the cone and tail method		PRINTING (19664) 19-05-2023	
IS 12526 : 1988	Specification for bucket for shaft sinking operations in mines		PRINTING (18004) 26-04-2023	
IS 12527 : 1988	General requirements for riders for buckets used in shaft sinking operations in mines		WC-Draft (20462) 12-09-2022	
IS 7974 (Part 1) : 1976/ ISO 710-1:1974	Graphical symbols for use on detailed maps, plans and geological cross sections: Part 1 General rules of representation		No Review Done	No Change In ISO Standard. The committee decided to reaffirm these Indian standards for the next five years.
IS 7974 (Part 2) : 1977/ ISO 710-2:1974	Graphical symbols for use on detailed maps, plans and geological cross sections: Part 2 Representation of sedimentary rocks		No Review Done	
IS 7974 (Part 3) : 1976/ ISO 710-3:1974	Graphical symbols for use on detailed maps, plans and geological cross sections: Part 3 Representation of magnetic rocks		No Review Done	
IS 8534 (Part 3) : 1995	Mine tub couplings and drawbars: Part 3 R-Shackle and link type ( <i>first revision</i> )		No Review Done	The committee discussed and decided to Wide circulate the draft revision documents to committee members for 2 months after making editorial changes.
IS 8534 (Part 4) : 1995	Mine tub couplings and drawbars: Part 4 F-Shackle and link type ( <i>first revision</i> )		No Review Done	
IS 8534 (Part 6) : 1995	Mine tub couplings and drawbars: Part 6 hook and D-Shackle type		No Review Done	
IS 4005 : 1967	Specification for tungsten carbide for mining tools		See Item 4 SI No (2.1). 2	The committee has
IS 5114 : 1969	Specification for reflectorized signs for mines		Item 4.1, Sr. No. 11	
IS 7587 (Part 8) : 1993	Winding in mines — Suspension gear: Part 8 Clivey hook suspension arrangements		Proposed for transfer in MED 10 in Item 4.2	



	IS 9011 : 1978	Specification for skip suspension gear for winding in mines	Item 4.1, Sr. No. 7	noted the information.
	IS 9123 : 1979	Specification for battery locomotives for use in mines	Item 4.1, Sr. No. 10	
	IS 9999 : 1981	Specification for diesel locomotives for use in mines	Item 4.1, Sr. No. 2	
	IS 13219 : 1992	Rock bolts for mines (Cement Grouted) — General requirements	Item 4.1, Sr. No. 3	
	IS 13230 : 1992	Graphical symbols for use on mine plans	Cl. 4.1, Sr. No. 11	

### 7.2 Status of Post-2000 of IS Standards

*The Committee has noted the information.*

### 7.3 Standards for review in this year 2023-24

Sl No.	IS Number	IS Title	Status	Remarks	Stage
	<b>IS 7587 (Part 8) : 1993</b>	Winding in mines — Suspension gear: Part 8 Clivey hook suspension arrangements	REVIEW 1 DONE BUT NO WORK NO DRAFT & ARP UPLOADED	<b>Under Revision Pls refer Cl 2.1 (2) (a)</b>	
	<b>IS 7974 (Part 3) : 1976/ ISO 710-3:1974</b>	Graphical symbols for use on detailed maps, plans and geological cross sections: Part 3 Representation of magnetic rocks	No Review Done	<b>Committee decided to transfer standard to WRD Pls refer Cl 6.1</b>	
	<b>IS 8166 : 1988/ ISO 1717:1974</b>	Specification for rotary drill bits for drilling principally in coal ( <i>first revision</i> )	WC-Draft (21735)	WC Stage	
	<b>IS 8473 : 1988</b>	Specification for roof bars used in mines	WC-Draft (20644)	WC Stage	
	<b>IS 9999 : 1981</b>	Specification for diesel locomotives for use in mines	REVIEW 1 DONE BUT NO WORK NO DRAFT & ARP UPLOADED	Ready for WC ( Refer Cl 2.1 (2) (d)	

	<b>IS 10046 : 1981</b>	Specification for dog spikes for mine haulage tracks	WC-Draft (20458)	WC Stage	<b>The committee has noted the information.</b>
	<b>IS 10202 : 1982</b>	Specification for scrapers used in mines	WC-Draft (21522)	WC Stage	
	<b>IS 12450 (Part 1) : 1988</b>	Steel headframes for mines: Part 1 Principles of load computation and applicable factors of safety	WC-Draft (20461)	WC Stage	
	<b>IS 12489 : 1988</b>	Recommendations for fitting terminal wire rope sockets by the cone and tail method	PRINTING (19664)	WC Stage	
	<b>IS 12527 : 1988</b>	General requirements for riders for buckets used in shaft sinking operations in mines	WC-Draft (20462)	WC Stage	
	<b>IS 13219 : 1992</b>	Rock bolts for mines (Cement Grouted) — General requirements	REVIEW 1 DONE BUT NO WORK NO DRAFT & ARP UPLOADED	Under revision ( Pls refer Cl 2.1 (2) (i)	
	<b>IS 13230 : 1992</b>	Graphical symbols for use on mine plans	REVIEW 1 DONE BUT NO WORK NO DRAFT & ARP UPLOADED	Pls refer Cl. 7.1(2)	
	<b>IS 13517 : 1992</b>	Rock bolts — Resin type — Specification		Under revision ( Pls refer Cl 2.1 (2) (i)	
	<b>IS 13618 : 1993</b>	Mine haulages — Direct rope (50 To 150 kW) — General requirements	WC-Draft (20507)	WC Stage	
	<b>IS 14567 : 1998</b>	Winding in mines — Design of cages — Guidelines	WC-Draft (21744)	WC Stage	
	<b>IS 15838 (Part 110) : 2008</b>	Mining — Glossary of terms (amalgamating of is 4791 : 1968, is 4792 : 1968, is 4863 :1968, is 5028 l 1969, is 5307 : 1968, is 5767 : 1970, is 5768 : 1970, is 5814 : 1970, is 5940 : 1979 and is 7580 : 1975)	Reviewed In : 2018	Last date November, 2023	<b>The committee decided to take up these standards for review in next meeting.</b>
	<b>IS 8003 : 2008</b>	Wheel axle assemblies for mine cars — Specification ( <i>first revision</i> )	Reviewed In : 2018	Last date November, 2023	

	<b>IS 17241 : 2019</b>	Man riding car by rope haulage system for transportation of persons in mines	Committee decided to reaffirm the standard.	March, 2024	The committee decided to reaffirm the standards.
	<b>IS 17242 : 2019</b>	Man riding chair lift system for transportation of persons in mines		March, 2024	

**ITEM 8 SELECTIONS OF SUBJECTS**

*The Committee has noted the information.*

**ITEM 9 PROGRAMME OF WORK**

*The Committee has reviewed the PoW of MED 08.*

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

*The Committee has noted the information.*

**ITEM 10 INTERNATIONAL ACTIVITIES**

**10.1***The Committee has noted the information.*

**10.2***The Committee has noted the information.*

**10.3***The Committee has noted the information, and members agreed to send their comments on Ballots on a regular basis.*

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

*The Committee has noted the information.*

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

*The Committee has noted the information.*

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

*The Committee has noted the information and suggested that the member secretary send a specific email on this matter to all the members so they can suggest such international and national-level events to be participated in.*

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

*The Committee has noted the information and suggested that the member secretary send a specific email on this matter to all the members so they can suggest journals and periodicals to subscribe.*

**Item 15 CREATION OF POOL OF EXPERTS**

*The Committee has noted the information.*

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

*The Committee has noted the information and agreed to suggest research projects to be taken up for inclusion of empirical data and insights.*

**ITEM 17 GUIDELINES FOR INTENSIFYING PARTICIPATION OF STAKEHOLDERS IN BIS TECHNICAL COMMITTEE MEETING**

*The Committee has noted the information.*

**ITEM 18 NEW INITIATIVES IN STANDARDIZATION**

*The Committee has noted the information.*

**ITEM 19 UNECE GENDER RESPONSIVE STANDARDS DECLARATION**

*The Committee has noted the information.*

**ITEM 20 ACCESSIBILITY**

*The Committee has noted the information.*

**ITEM 21 DATE AND PLACE FOR THE NEXT MEETING**

*The Committee decided to schedule the meeting as per approved meeting calendar with consultation of Chairman of MED 08.*

**ITEM 22 ANY OTHER BUSINESS WITH PERMISSION OF CHAIR**

There being no other business, the meeting ended with a hearty vote of thanks by the chair.

**ANNEX-A**  
**( Meeting Attendance)**

**MINING TECHNIQUES AND EQUIPMENT SECTIONAL COMMITTEE, MED 08**

<b><i>Sl No</i></b>	<b><i>Organisation Name</i></b>	<b><i>Member</i></b>
1.	Directorate General of Mines Safety, Dhanbad	Shri Saifullah Ansari
2.	CSIR - Central Institute for Mining and Fuel Research, Dhanbad	Dr. Surajit Dey
3.	Nanda Millar Company, Kolkata	Shri J.P. GOENKA
4.	Indian Institute of Technology (ISM), Dhanbad	Shri L. A. Kumaraswamidhas
5.	Tata Steel Limited, Dhanbad	Shri Soumendhu Manjhi (Retired)
6.	Tata Steel Limited, Dhanbad	Shri Aman
7.	BEML Limited, Bengaluru	Shri H. G. Suresh
8.	CSIR - Central Institute for Mining and Fuel Research, Dhanbad	Dr. Surajit Dey Shri Ranjan Kumar
9.	Directorate General of Mines Safety, Dhanbad	Mohammed Niyazi Shri Vijay Barapatre

***Invitee***

Shri Kaushik Sengupta

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