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**BUREAU OF INDIAN STANDARDS**

**METALLURGICAL ENGINEERING DEPARTMENT**

**MINUTES**

Name of the Committee	No. of Meeting	Day	Date	Time	Venue/Mode
<b>Pig iron and Cast iron Sectional Committee, MTD 06</b>	31 <sup>th</sup>	Thursday	22 August 2024	11:00 AM	Green Room, Manak Bhawan, Bureau of Indian Standards Headquarter, New Delhi <b>(Hybrid Mode)</b>

**Chairperson: Shri A. K Hazra**

**Member Secretary: Shri Ajay Kumar Soni, Sc-C**

**Attendance**

S.No.	Organization	Member	Attending Mode	E-mail Address
1	CSIR - National Metallurgical Laboratory, Jamshedpur	Dr. V. Rajinikanth	Virtual	rajni@nmlindia.org
2	CSIR - National Metallurgical Laboratory, Jamshedpur	Dr. Sharma Paswan	Virtual	sharma@nmlindia.org
3	Electrosteel Castings Limited, Kolkata	Shri Atindra Narayan Dey	Virtual	adey@electrosteel.com
4	Electrosteel Castings Limited, Kolkata	Shri Sudipto Lahiri	Virtual	slahiri@electrosteel.com
5	Institute Of Indian Foundrymen, New Delhi	Mr Pradeep Mittal	Virtual	<a href="mailto:chairman.fic@indianfoundry.org">chairman.fic@indianfoundry.org</a> <a href="mailto:p.mittal@ppasdiciates.co.in">p.mittal@ppasdiciates.co.in</a>
6	Jai Balaji Group, Kolkata	Shri Bivash Chakraborty	Virtual	bivash@jaibalajigroup.com
	Jai Balaji Group, Kolkata	Shri Subhadeep Mahapatra	Virtual	subhadeep@jaibalajigroup.com
	Jai Balaji Group, Kolkata	Shri T. Venkatchalam (Representative)	Virtual	t.venkatachalam@jaibalajigroup.com
	Jayaswal Neco Industries Limited	Shri Praveen Bhalme	Virtual	b.praveen@necoindia.com
7	Jindal Saw Limited, New Delhi	Shri Ulhas Naik	Virtual	ulhas.naik@jindalsaw.com



8	Jindal Saw Limited, New Delhi	Shri Maneesh Kumar	Virtual	maneesh.kumar@jindalsaw.com
9	Jindal Saw Limited, New Delhi	Rajeev Ranjan	Virtual	rajeev.ranjan@jindalsaw.com
10	Kejriwal Castings Limited, Kolkata	Sabarna Roy	Virtual	sr@kejriwalcastings.com
11	Steel Authority Of India Limited (Sail), Durgapur Steel Plant, Durgapur	Shri Satyendra Sudershan	Virtual	satyendra@sail.in
12	Tata Steel Limited, Kolkata	Shri Santanu Banerjee	Virtual	santanu.banerjee1@tatasteel.com
13	Tata Steel Limited, Kolkata	Shri Arashdeep Chawla	Virtual	a.chawla@tatametaliks.co.in
14	Tata Steel Limited, Kolkata	Rajib Sahoo	Virtual	rajib.sahoo3@tatasteel.com
	Tata Steel Limited, Kolkata	Gourab Saha (Representative)	Virtual	gourab.saha1@tatasteel.com
15	Tru-Form Engineers, Nagpur	Shri Anup K. Shiwanekar	Virtual	skanup@truformengineers.com
16	Welspun India Limited, Mumbai	Shri B. Govindarajan	Virtual	b_govindarajan@welspun.com
17	Welspun India Limited, Mumbai	Shri Abhijit Ghosh	Virtual	abhijit_ghosh@welspun.com
18	All India Heavy Pipe Manufacturers Association	Shri Vinod Ghai (Invitee)	Virtual	ghaikunal665@yahoo.com
19	All India Heavy Pipe Manufacturers Association	Shri Nitin Kapoor (Invitee)	Virtual	info@nvr fittings.com
20	All India Heavy Pipe Manufacturers Association	Shri Charanjit Singh Maingi (Invitee)	Virtual	csmaingi@yahoo.com

## Item 0 GENERAL

### 0.1 Opening Remarks by BIS

Shri Ajay Kumar Soni Member Secretary welcomed all the members to the 31<sup>st</sup> meeting of Pig Iron and Cast Iron Sectional Committee MTD 6. This marks the first meeting of the MTD6 this calendar year. He informed the Committee about recent decisions taken by the BIS management that management has decided to have at least 3-4 meetings in a financial year and fix the schedule for the next committee meeting and try to have at least 1 physical meeting at any technical institute having MOU with BIS. So, all the members are requested to attend each and every meeting if someone's not able to attend the meeting then should apply for the leave of absence to the chairperson and inform to the member secretary. It has been decided that it is mandatory for all the members to attend the sectional committee meeting and not only attend the meeting but provide comments on the document and also respond on the ballots, NWIP, P Draft, WC Draft which BIS circulates. He mentioned that failure to attend two consecutive meetings would result in the termination of membership from the committee. He also mentioned for each new standard under development/revision a working group has to be formed inviting all experts to be part of the panel/working group. In his final remarks, he emphasized the importance of participation at the ISO/IEC level. He informed that upon receiving ballots from ISO/IEC, the level of interest will be determined. Subsequently, experts will be nominated and held responsible for all further engagement. He encouraged members to actively engage in all international standardization activities by



providing comments on ballots and participating in meetings organized by the relevant ISO Technical Committees.

## 0.2 Opening Remarks by the Chairman

Shri A. K. Hazra welcomed all the members to the 31<sup>st</sup> meeting of Pig Iron and Cast Iron Sectional Committee, MTD 06. He requested to the members that all the agenda points should be deliberated and decided in the meeting with fruitful discussion. After that, he requested all the members to keep participating in the activities of the Technical Committee, so that, the tasks can be completed within the timeline.

## Item 1 CONFIRMATION OF MINUTES OF LAST MEETING


The Minutes of the Thirtieth Meeting of Pig Iron and Cast Iron Sectional Committee, MTD 6 held on 04 March 2024 through hybrid mode were circulated vide email dated 01 April 2024. No comments were received on the minutes.


**The Committee confirmed the minutes of the meeting.**


## Item 2 ACTION TAKEN REPORT

**2.1** Decisions Taken by the Committee are Placed Below:

SI No.	Subject	Decision taken by the Committee in the last meeting	Action Taken	Current Decision of the Committee
1.	Revision of IS 9523 : 2000 and IS 8329 : 2000	<p><b>30th Meeting</b></p> <p>Due to change of member secretary draft document was not sent for WC. Draft amendments of both standards will be forwarded for WC. After WC period, if no comments received on the draft document or comments received are editorial in nature. The draft may be sent for printing with the approval of chairman.</p> <p>The committee after deliberation decided to revise the scope of Panel-1 and decided to include the revision of IS 9523:2000 along with the IS 8329:2000. Also all the issues related to these two ISS shall be taken care by this panel.</p> <p>The Committee also noted the nomination received from CSIR-NML for convener and nomination from the Ministry of Jal Shakti.</p> <p>The Committee advised Member Secretary to send the</p>	<p>ToR for calculation of minimum thickness has been awarded to Awarded to Dr Ramesh Kumar Nayak, MANIT Bhopal. Revision of standard may be taken after receipt of report from the proposer.</p> <p><b>The Committee may deliberate and decide.</b></p>	<p>The committee noted the information provided. It was decided to plan a meeting with the proposer of R&amp;D project to discuss the deliverables of project on 12 September 2023.</p>

		<p>reminders to the remaining organisation from the nominations are awaited from Panel-1.</p> <p>The committee after obtaining consent from the Convenor the Panel-1 also decided to hold a meeting of Panel-1 for the revision of IS 8329 and IS 9523.</p>		
2.	<p>Amendments of IS 9523 : 2000 MTD6 (25697) and IS 8329 : 2000 MTD6 (25698)</p>	<p><b>30th Meeting</b></p> <p>Due to change of member secretary draft document was not sent for WC. Draft amendments of both standards will be forwarded for WC. After WC period, if no comments received on the draft document or comments received are editorial in nature. The draft may be sent for printing with the approval of chairman.</p>	<p>Accordingly, as per the decision of the committee, both draft documents were sent for WC for period of 30 Days. Comments received on the draft document MTD6 (25698) is attached below :</p> <p style="text-align: center;">  </p> <p><b>The Committee may deliberate and decide.</b></p>	<p>The Committee deliberated and disposed off the comment received regarding MTD6 (25698). The committee decided to send both the documents 25697 and 25698 for printing on approval of chairman MTD 06.</p>
3.	<p>Revision of IS 1729 : 2002</p>	<p><b>30th Meeting</b></p> <p>The committee agreed on member secretary's proposal for proof reading before sending the document to printing. Member Secretary mentioned that once the proof reading is completed the document will be sent to publication for printing.</p> <p>M/s Tru-form Engineers and M/s Jaiswal Neco agreed for proof reading of the final document. The Committee advised Member Secretary to send the final draft to the members of the both the companies.</p>	<p>The standard printing stage is over. Now it is available under standard portal.</p> <p><b>The Committee may Note.</b></p>	<p>The Committee noted the information.</p>

4.	Revision of IS 3989 : 2009	<p align="center"><b><u>30th Meeting</u></b></p> <p>The Committee decided to send the final document to publication for printing.</p>	<p>The standard printing stage is over. Now it is available under standard portal.</p> <p align="center"><b>The Committee may Note.</b></p>	The Committee noted the information.
5.	IS 15905 : 2011 Hubless centrifugally cast (spun) iron pipes, fittings and accessories –spigot series	<p align="center"><b><u>30th Meeting</u></b></p> <p>The member secretary informed the committee that changes have been incorporated in the draft for addition of various sizes and coating requirement so review of the draft is required. The committee noted the information and decided that draft document shall be sent to committee members for 7 days immediately and if no comments are received the same will be sent for wide circulation for 60 days.</p>	<p>WC period is over. The standard is under printing stage. Final draft is attached.</p> <p align="center">  </p> <p align="center"><b>The Committee may Note.</b></p>	The Committee noted the information.
6.	IS 1879 : 2010 Malleable Cast Iron Pipe Fittings	<p align="center"><b><u>30th Meeting</u></b></p> <p>The revision of the standard may take time so it has been decided to change to reaffirm and revise instead of revision.</p> <p align="center"><b><u>29th Meeting</u></b></p> <p>There is no reply received from Indian Plumbing Association. The committee requested member secretary to follow up with IPA for disposal off comments on IS 1879 and co-option in the committee.</p>	<p>As decided by the committee, member secretary contacted Indian Plumbing Association. The recommendation is awaited.</p> <p>Invitee (All India Heavy Pipe Fitting Manufacturers) may be considered for co-option.</p> <p align="center"><b>The Committee may decide.</b></p>	The committee requested the Member Secretary to follow up with the Indian Plumbing Association for their nomination and to expedite the revision of IS 1879. It was also decided to reach out to other manufacturers from the list of BIS licensees, as there are currently 75 licenses in existence as per IS 1879:2010.
7.	Revision of IS 1538 : 1993	<p align="center"><b><u>30th Meeting</u></b></p> <p>The revision of the standard may take time so it has been decided to change to reaffirm and revise instead of revision.</p> <p>The Committee deliberated and decided to reaffirm and revise the standard. Additionally, it was decided that draft will be circulated to the committee members, if no comments are received or comments received are editorial in nature, the same be sent for printing after the approval of the</p>	<p>Accordingly, as per the decision of the committee, standard considered for reaffirmation and draft is attached below. The draft may be considered for WC for 30 days. After WC period, if no comments received on the draft document or comments received are editorial in nature. The draft may be sent for printing with the approval of chairman.</p>	It was decided by the committee to send the draft for wide circulations for the 30 days. Further, the Committee also decided that if no comments received on WC draft or comments received are editorial in nature same to process for printing on approval of chairman MTD 06.

		<p>chairperson.</p> <p>29th Meeting</p> <p>The Member Secretary informed that BIS has received the final draft from panel member. The Committee agreed that draft document be sent for wide circulation for 30 days since the document has been pending for long time. The Committee further agreed that and if no comments are received or comments received are editorial in nature, the same me be sent for printing after the approval of the chairperson.</p>	 <p>IS 1538_WC - Copy.docx</p> <p><b>The Committee may deliberate and decide.</b></p>	
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### **Item 3 THE SCOPE AND COMPOSITION OF SECTIONAL COMMITTEE, MTD 6 AND PANEL**

**3.1** The Committee noted the information given in Item No. **3.1, 3.2, 3.3, 3.4,** and **3.5** of the Agenda.

**3.2** All India Heavy Pipe Fitting Manufacturers Association has applied for membership of the Committee. The Committee deliberated and decided that All India Heavy Pipe Fitting Manufacturers Association is not fit for the membership of the Committee. However, they may be considered for the addition in panel or working group as and when required.

### **Item 4 COMMENTS ON INDIAN STANDARDS**

**4.1** BIS has received a comment on portal from Rajib Sahoo, Tata Steel on the draft document of IS 8329 Amendment 6 (MTD 06/25698) and The committee deliberated and disposed off by the committee.

### **Item 5 REVIEW OF INDIAN STANDARDS**

**5.1** The Committee noted the information given in Item No. **5.1.1, 5.1.2** and **5.1.3** of the Agenda.

**5.2** The Committee noted the information given in **5.2** of the agenda. 10 Out of 27 standards due for review for 2024-25, has been allotted to BIS officers as part of ARP (Action Research Project) in phase 8, 9 & 10. Which are as following –

S. No.	IS Number	IS Title	Due Date	Decision of the committee
1	IS 10299 : 1982	Specification for cast iron saddle pieces for service connection from asbestos cement pressure pipes	February, 2025	The Member Secretary informed the committee members that all 10 standards have been assigned to BIS officers as the ARP (Action Research Project) under phase 8,9 & 10. The committee decided to reaffirm the standards. However, the decision on its revision or issue of amendment to be considered after the submission of the ARP report.
2	IS 1865 : 1991	Iron castings with spheroidal or nodular graphite - Specification (Third Revision)	February, 2025	
3	IS 210 : 2009	Grey iron castings - Specification (Fifth Revision)	February, 2025	
4	IS 5519 : 1979	Deviations for untoleranced dimensions and mass of grey iron castings (First Revision)	February, 2025	
5	IS 5531 : 2014	Cast iron specials for asbestos cement pressure pipes for water and sewage - Specification (Third Revision)	February, 2025	
6	IS 7520 : 1974	Specification for corrosion - Resistant high silicon iron castings	February, 2025	
7	IS 8329 : 2000	Centrifugally cast (Spun) ductile iron pressure pipes for water, gas and sewage - Specification (Third Revision)	February, 2025	
8	IS 8349 : 1977	Deviations for untoleranced dimensions of malleable iron castings	February, 2025	
9	IS 9523 : 2000	Ductile iron fittings for pressure pipes for water, gas and sewage - Specification (First Revision)	February, 2025	
10	IS 9321 : 1979	Specification for material for alloy cast iron valve seat inserts	February, 2025	

The decision of the committee on the remaining 17 standards due for review for 2024-25 is as following :

S. No.	IS Number	IS Title	Due Date	Decision of the committee
1	IS 11606 : 1986	Methods for sampling of cast iron pipes and fittings	December, 2024	This standard was opted by M/s Jai Balaji Group, Kolkata. Member Secretary is requested to follow up with Mr. Bivash Chakraborty for early



				response.
2	IS 7181 : 1986	Specification for horizontally cast iron double flanged pipes for water, gas and sewage (First Revision)	December, 2024	The Committee deliberated and decided to archive the standard after consultation with existing 11 licensee. Member Secretary is requested to follow-up with the licensee.
3	IS 1537 : 1976	Specification for vertically cast iron pressure pipes for water, gas and sewage (First Revision)	February, 2025	The Committee deliberated and decided to archive the standard after consultation with existing 2 licensee. Member Secretary is requested to follow-up with the licensee.
4	IS 14329 : 1995	Malleable iron castings - Specification	December, 2024	This standard was allocated to BIS officer and ARP report was submitted on May 2023. Report circulated among members through standard portal on June 2023. It was decided by the committee to recirculate the report among members for 20 days.
5	IS 10207 : 1982	Methods of sampling grey iron and malleable iron castings	February, 2025	M/s Kejriwal Castings Ltd. will review and give recommendations.
6	IS 12987 : 1991	Cast iron detachable joints for use with asbestos cement pressure pipes (Light Duty) – Specification	December, 2024	This standard was allocated to BIS officer and ARP report was submitted on December 2023. It was decided by the committee to circulate the report among members for 20 days.
7	IS 12988 : 1991	Rubber sealing rings for cid joints for light duty ac pipes dimensional requirements	December, 2024	M/s Electrosteel Castings Ltd. will review and give recommendations.
8	IS 3355 : 1974	Specification for grey iron castings for elevated	February, 2025	This standard was allocated to BIS officer



		temperatures for non - Pressure containing parts (First Revision)		and ARP report was submitted on April 2023. It was decided by the committee to circulate the report among members for 20 days.
9	IS 2749 : 1974	Specification for austenitic iron castings (First Revision)	February, 2025	M/s Indian Institute of Foundryman Castings Ltd. will review and give recommendations. Other members are also requested to provide recommendations after reviewing the standard.
10	IS 4771 : 1985	Specification for abrasion - Resistant iron castings (Second Revision)	February, 2025	
11	IS 5788 : 1986	Specification for iron castings with spheroidal or nodular graphite for pressure containing parts for use at elevated temperatures (First Revision)	February, 2025	
12	IS 5789 : 1993	Austenitic spheroidal graphite iron castings for pressure containing parts suitable for low - Temperature service - Specification (First Revision)	February, 2025	
13	IS 3516 : 1966	Specification for cast iron pipe flanges and flanged fittings for petroleum industry	February, 2025	
14	IS 6418 : 1971	Specification for cast iron and malleable cast iron flanges for general engineering purposes	February, 2025	
15	IS 6629 : 1972	Specification for cast iron rolls	February, 2025	
16	IS 3005 (Part 3) : 1982	Specification for grey cast iron ingot moulds, stools and slag ladles: Part 3 grey cast iron ingot moulds of mass more than one tonne and up to eight tonnes (First Revision)	February, 2025	
17	IS 3005 (Part 4) : 1984	Specification for grey cast iron ingot moulds, stools and slag ladles : Part 4 grey cast iron ingot moulds of mass up to 1 tonne (First Revision)	February, 2025	The committee decided to archive this standard.



## **Item 6 NEW PROPOSALS FOR STANDARDIZATION**

The Committee NOTED the information given in Item no. **6.1** to **6.5** of the Agenda.

## **Item 7 INTERNATIONAL ACTIVITY**

**7.1** The Committee NOTED the information given in Item no. **7.1, 7.2, 7.3** and **7.5** of the Agenda.

**7.4.1** The Committee noted the nominations of delegates received for ISO/TC5/SC 2 plenary meeting. The Committee deliberated and decided that Shri Maneesh Kumar from M/s Jindal Saw Limited will be the leader for this upcoming meeting of ISO TC5/SC2. It was decided to convene brief VC meeting on 12 September 2024 to finalize India's view point on the draft agenda items.

## **Item 08 CAST IRON AND PIG IRON PRODUCTS UNDER MANDATORY CERTIFICATION**

The Committee NOTED the information given in Item no. **8.1** of the Agenda.

## **Item 9 WTO-TBT ENQUIRY POINT**

The Committee NOTED the information given in Item no. **9.1, 9.2, 9.3, 9.4, 9.5** and **9.6** of the Agenda.

## **Item 10 IMPLEMENTATION OF INDIAN STANDARDS**

The Committee NOTED the information given in Item no. **10.1** of the Agenda.

## **Item 11 BIS INITIATIVES**

The Committee NOTED the information given in Item no. **11.1, 11.2** and **11.3** of the Agenda.

Member secretary informed the committee members that in order to increase participation in the standardization, a form of declaration has been issued by BIS. The content of the declaration was shared with the members and all the members requested to send the duly signed declaration by 25.09.2023.

## **Item 12 R&D PROJECTS FOR ESTABLISHMENT/REVISION OF INDIAN STANDARDS**

The Committee NOTED the information given in Item no. **12** of the Agenda. It was decided to plan a introductory meeting with proposer of the R&D project on 04 September 2024.

## **Item 13 TASKS ASSIGNED TO THE TECHNICAL COMMITTEES BY BIS**

The Committee NOTED the information given in Item no. **13** of the Agenda.

## **Item 14 Annual Calendar of Technical Committee meetings**

The Committee NOTED the information given in Item no. **14** of the Agenda.