



Bureau of Indian Standards

Metallurgical Engineering Department

MINUTES OF MEETING

Name of the Committee	Meeting No.	Day	Date	Time	Venue/Mode
Steel Tubes, Pipes and Fittings Sectional Committee, MTD 19	37th	Monday	22 July 2024	11:00 AM	Hybrid Meeting Blue Room (Vimarsha) Manak Bhawan, Bureau of Indian Standards, 9, Bahadur Shah Zafar Marg, New Delhi-110002

Chairperson: Shri Prag Goel

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

Meeting Attendance

S.No	Member of Organization	Name	Mode of Attendance	Member Email
1	Directorate General of Quality Assurance, Ministry of Defence, Ichapur	Shri Bikas Mondal	Virtual	bikas.mandal10@gov.in
2	Gujarat Gas Company Limited, Ahmedabad	Shri Dharmesh Sailor	Virtual	dharmesh.sailor@gujaratgas.com
3	Gujarat Gas Company Limited, Ahmedabad	Shri Pramath Shailesh	Virtual	pramath.shailesh@gujaratgas.com
4	Indian Oil Corporation Limited - Refineries and Pipelines Division, New Delhi	Shri Parichay Das	Virtual	parichayd@indianoil.in
5	Indian Pipe Manufacturing Association, New Delhi	Shri Mayank Sharma	Virtual	mayank.sharma@ratnamani.com
6	Indian Pipe Manufacturing Association, New Delhi	Shri Alok Jain	Physical	Alok.jain@jindalsaw.com

7	Indian Pipe Manufacturing Association, New Delhi	Shri Dharendra Mohan Sharma	Physical	dharendra.sharma@ratnamani.com
8	Indian Stainless Steel Development Association, Gurugram	Shri Nagendra Vijayvargia	Virtual	nagendravigay@gmail.com
9	Indus Tubes Limited, Pitampura, New Delhi	Shri C. K. Kaushik	Virtual	ckkaushik@industubes.com
10	Lalita Infraprojects Private Limited, Kolkata	Dr Buddhadeb Duari	Virtual	bduari@yahoo.co.in
11	Lalita Infraprojects Private Limited, Kolkata	Shri Subhojit Bhattacharya	Virtual	subhajtbbhattacharya69@gmail.com
12	Maharashtra Seamless Limited, Sukeli	Shri Hemant Matreja	Physical	hemantmatreja@mahaseam.com
13	Mazagon Dock Limited, Mumbai	Shri Vinod Kumar Parkewar	Virtual	vinodkumar@mazdock.com
14	Mazagon Dock Limited, Mumbai	Shri Harshin Dave	Virtual	hdave@mazdock.com
15	Seamless Tube Manufacturers Association of India, New Delhi	Shri Simranjeet Singh	Physical	stmai.info@gmail.com
16	Shri Bajrang Power and Ispat Limited, Raipur	Shri Banwari Lal Chopra	Virtual	bl.chopra@goelgroup.co.in
17	Shri Bajrang Power and Ispat Limited, Raipur	Shri Praveen Kumar	Virtual	praveen.agrawal@goelgroup.co.in
18	Society of Indian Automobile Manufacturers	Ms. Mukti Prasad (Representative)	Virtual	mukti@siam.in
19	Surya Roshni Limited, Delhi	Shri Nitin Jain	Physical	nitinjain@surya.in
20	Surya Roshni Limited, Delhi	Shri N.K Singla	Virtual	nksingla@surya.in
21	Tata Steel Limited, Kolkata	Shri Braj B. Prasad	Virtual	bbpdqa@tatasteel.com
22	Welspun Corp, Mumbai	Shri Prakashmal Tatia	Virtual	prakash_tatia@welspun.com
23	Welspun Corp, Mumbai	Shri Jignesh Mahendra Choksi	Physical	jm_choksi@welspun.com
24	APL Apollo Tubes Limited	Shri Anuj Kumar (Invitee)	Physical	anujkumar@aplapollo.com

Item 0 GENERAL

0.1 Opening Remarks by BIS

Mr. Ajay Kumar Soni, the Member Secretary, extended a warm welcome to everyone present, while Mr. Sanjiv Maini, Scientist F and HMTD, welcomed Chairman Mr. Prag Goel from EIL and all the committee members to the thirty-seventh meeting of the Steel Tubes, Pipes, and Fittings Sectional Committee under MTD 19. He also 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 a panel/working group has to be formed inviting all experts to be part of the panel/working group. In his final remarks, HMTD 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 Prag Goel, Chairman, MTD 19, welcomed all the Members to the thirty-seventh meeting of the Steel Tubes, Pipes and Fittings Sectional Committee, MTD 19. 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

Since, no comments have been received, the Committee confirmed the minutes of thirty-sixth meeting of Steel Tubes, Pipes and Fittings Sectional Committee, MTD 19 circulated vide email dated 08 May 2024.

Item 2 ACTION TAKEN REPORTS

2.1 Decisions Taken by the Committee are Placed Below:

SI No	Subject	Decision taken in past meetings	Action taken on the decision of last meeting	Decision made during the 37th Meeting
1.	Fourth revision of IS 3589 : 2001 Steel Pipes for Water and Sewage (168.3 to 2540 mm Outside Diameter) — Specification	36th Meeting Member Secretary briefed the Committee about the status of work and requested Dr. BB Duari to provide insights of the meeting held with IWWA. Dr. BB Duari informed that IWWA has prepared detailed report on minimum thickness requirement of IS 3589. They have done comparative analysis of thickness requirement with IS 3589 : 1991, EN 10224, ASTM A53, AWWA M11 manual and IS 1916 : 2018. The committee reviewed the panel composition and it was decided to include members from PHED Jodhpur, Welspun, MSL and IPMA. The committee requested panel to held	Three-panel meetings were convened and it was decided by the panel to prepare draft amendment 7 to IS 3589 in line with the recommendation received from IWWA for keeping the minimum thickness requirement for each size. The draft is attached here for the Committee to further deliberate and discuss.	Member Secretary informed the committee members regarding three panel meetings convened on 03/05/2024, 19/06/2024 & 28/06/2024 and decisions thereof. The draft amendment document finalized by the panel was discussed among members and accepted in consensus. It was decided by the committee to send the draft for wide

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		<p>physical meeting on 26th April, once the report is received from IWWA.</p> <p>The committee further discussed on the implementation of amendment no. 5 and after deliberation, the committee decided that, since the last date of implementation of amendment no. 5 is 4th June 2024 and new amendment is still under development, The concerned Central Marks Department may be requested to extend the implementation of Amendment-5 to IS 3589 : 2001 for another 6 months.</p> <p>The committee further advised the panel to take up the amendment on priority.</p> <p style="text-align: center;"><u>35th Meeting</u></p> <p>Member Secretary briefed the Committee about the status of work and informed that, Dr Ulhas Naik will provide the minimum thickness requirement from the IWWA manual and EN 10217 has also been identified to refer in the standard. Once the minimum thickness requirement received from Dr Ulhas Naik, Dr B. Duari will incorporate it in the draft after adding corrosion allowance with the minimum thickness requirement and the draft will be deliberated in the next panel meeting.</p> <p>Chairperson, Shri Arunava Dasgupta, proposed that, by the end of November 2023, we should have a workable document and a panel meeting to be convened in the first week of December 2023, to deliberate on the document. Meanwhile, Central Marks Department will also be requested to extend the implementation of Amendment-5 to IS 3589 : 2001 for another 6 months.</p>	 <p>The Committee may deliberate and decide</p>	<p>circulations for the 30 days. Further, the Committee also decided that if no comments received on WC draft or comments received are in editorial nature same to process for printing on approval of chairman MTD 19.</p> <p>It was also decided that Shri Alok Jain will provide the draft revision document for IS 3589 incorporating all the amendments and sizes from IS 5504.</p>
2.	<p>Second revision of IS 2416 : 1986</p> <p>Specification for boiler and superheater tubes for marine and naval purposes</p>	<p style="text-align: center;"><u>36th Meeting</u></p> <p>The Committee deliberated and decided to form panel regarding development of standard related to Seamless Pipes and Tubes. Mr. Avnish Kumar, Jindal Saw will be the convener for the panel. The panel will consist members for following organizations/ associations.</p>	<p>The panel on the seamless pipes & tubes have decided to take up IS 2416 for revision on later stage. Currently, panel 2 is working on adoption of ISO 11960 & ISO 11961. Subsequently, The panel is preparing two NWIP.</p>	<p>Panel 2 on seamless tubes & pipes informed the committee that two panel meetings convened by the panel on 21 May 2024 & 15 July 2024. Accordingly, as per the decision of the last committee meeting, Panel informed the committee for the</p>

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		<ol style="list-style-type: none"> 1. STMAI 2. MSL 3. LIPL 4. EIL 5. ISSDA 6. IPMA 7. IOCL/GAIL 8. Jindal Saw <p>The panel was requested to review all the existing standards on seamless pipes and tubes and upgrade the standards wherever required. The panel was also requested to identify the gaps where there is no indian standards on seamless pipes and put up the proposal to the committee for formulation of same. The panel was requested to submit the report in 15 days time.</p> <p>Further, the panel was requested to review the request received for formulation of standard equivalent to ISO 11960 and give their recommendation for adoption of the same in 15 days time.</p> <p style="text-align: center;">35th Meeting</p> <ol style="list-style-type: none"> 1. The Committee deliberated on this and requested Shri Rameshwar Prasad, M/s EIL and Shri Kannan, M/s BHEL to provide details of experts pertaining to the subject matter within a week. 2. Shri B. L. Chopra mentioned that no one is using these specification, everyone is following BS Standards which are BS 3059 - Part 1, 2, 3 & 4. He also mentioned some of the manufacturers' names which are M/s Maharashtra Seamless for seamless pipes and Boilers manufacturer are M/s Thermax and M/s BHEL. 3. Shri Vinod Parkewar, M/s Mazagon Dock Ltd, will give recommendation by the end of November 2023. 	<p>The committee may deliberate and decide.</p>	<p>adoption of ISO 11960 & ISO 11961. It was decided by the committee to adopt both standards.</p>

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		<p>4. The Committee decided to revise the panel composition and decided to strengthen the panel by inducting more experts from relevant field.</p> <p style="text-align: center;"><u>34th Meeting</u></p> <p>The chairman requested Shri Rameshwar Prasad, M/s EIL to help member secretary to get the nomination for the Panel-8 from EIL.</p> <p>The chairman also requested Shri B. B. Prasad, M/s Tata Steel Ltd, to share the contact details of suitable person from BHEL with the member secretary to get the nomination for the panel.</p> <p>The Committee requested to the panel to expedite for the draft for revision of IS 2416 and requested to submit revised draft within one month.</p> <p style="text-align: center;"><u>33rd Meeting</u></p> <p>1. Chairman advised Member Secretary to contact Mr. S. Ghosal and get the nominations from EIL</p> <p>2. Sh. B B Prasad agreed to help Member Secretary in providing the contact details of BHEL.</p> <p>3. Committee requested panel to check the suitability of International Standards EN 10217 Part 1 & 2 informed by Sh. C. P. Sharma, (Good Luck India Ltd.) for revision of IS 2416.</p> <p>4. The Committee further requested panel to explore availability of International Standards to take assistance for revision of IS 2416.</p> <p>5. Committee decided to submit their recommendations in 3 Months' for the consideration of the Committee.</p> <p style="text-align: center;"><u>32nd Meeting</u></p> <p>The Committee deliberated on the composition of the Panel-8 and re-constituted it as under:</p> <ol style="list-style-type: none"> 1. EIL(Convenor) 2. BHEL 3. MECON 4. NTPC 5. BGR Chennai 6. Development Consultants Private Limited [DCPL] 		



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		<p>Sh Rameshwar Prasad, EIL agreed to provide contact details of Sh K K Gupta, coordinator EIL who could be approached for getting nominations. Also Dr Buddhadeb Duari agreed to help member secretary for the contact details of BGR and DCPL.</p> <p>The Committee advised Member Secretary to get nominations for the panel. In addition, the Panel was advised to submit their recommendation by 31 May 2022.</p>		
3.	Standards on Stainless Steel Tubes and Pipes	<p style="text-align: center;"><u>36th Meeting</u></p> <p>The member secretary informed to the committee members that R&D project regarding validation of Low-Nickel Grade is uploaded on standard portals and likely to be awarded within 30 days. The committee decided that draft will be prepared after detailed report received from R&D project.</p> <p>Further, the committee advised member secretary to discuss with the panel convener for other stainless steel pipe standards under preparation/to be prepared.</p> <p style="text-align: center;"><u>35th Meeting</u></p> <p>1. Chairperson Shri Arunava Dasgupta proposed that other than chemical and mechanical properties, the draft should also have Salt Spray Test (SST) and the Committee agreed on the proposal.</p> <p>2. Convenor of Panel-7, Shri Nagendra Vijayvargia briefed the committee about the new draft standard MTD 19(15548) Stainless Steel Tubes for Decorative Purposes by mentioning following points:</p> <p>a) For Grades N1, N2 & N3 tests have already been done to include in IS 6911 and we can take the report and include in this standard.</p> <p>b) The Grades N5, N6 & N7 have been introduced in the utensils grade.</p> <p>3. Shri Rohit Kumar from ISSDA mentioned that test for all 6 proposed grades have completed few days for IS 6911 and he will submit the report within few days and he presented the sampling plan before the committee:</p>	<p>The R&D project regarding validation of Low-Nickel Grade is awarded to Indian Institute of Technology Roorkee. Project is likely to be completed within 4 months. The draft will be prepared after receiving detailed report from IIT Roorkee.</p> <p>The Committee may deliberate and decide</p>	<p>Member Secretary informed committee that the project has been awarded to IIT Roorkee and timeline is 4 months. It was decided by the committee to send the draft on SS Tubes for decorative purpose for wide circulation for the period of 30 days and not to wait for the outcome of the project. After the completion of the project, the outcomes may be taken up in the amendment.</p> <p>It was also decided to wide circulate the draft on Stainless Steel tubes for water application for 30 days. Further, the Committee also decided that if no comments received on WC draft or comments received are in editorial nature same to process for printing on approval of chairman MTD 19.</p>

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		<p>a) There will be a total of 180 samples to be tested.</p> <p>b) For testing only it will cost around 3 Lakh INR and for other costs around 1 Lakh INR.</p> <p>c) There will be an intermediate grade 201 or 202 and an existing grade 304 for comparison.</p> <p>4. The Committee further deliberated on the ToR for the proposed R&D project and agreed on ToR. The final copy of ToR is enclosed with the minutes.</p> <p>5. Since, there are more than one new standard under development on Stainless Steel Tubes, so the committee decided to prioritize the subjects as given below:</p> <p>a) Stainless Steel Welded Tubes for Decorative Purposes.</p> <p>b) Stainless Steel Tubes for Water Application.</p> <p>6. The Committee also decided to circulate the draft of SS Tubes for Water Application received from Panel-7, among the Committee members for comments.</p> <p style="text-align: center;"><u>34th Meeting</u></p> <p>The committee agreed for change the name of proposed standard for SS welded tubes for mechanical tubing to SS welded tubes for decorative purposes.</p> <p>Further, the committee after detailed deliberation decided to circulate draft among members. Committee also decided that If no comments received from members or comments received are in editorial nature same to process for Wide Circulation for 60 days.</p> <p>The committee also deliberated on including new low Ni grades which are to be tested and validated and after getting satisfactory results only then can be included. In the meanwhile, Committee agreed to refer IS 6911:2017 for input material for the SS welded tubes for decorative purposes. The Committee requested Panel -7 to convene a meeting and prepare a blueprint for validation of Low Nickel grade for the requirements of tubes.</p>		

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		<p>The Committee also emphasized that validation of low Ni grades may be considered for Research & Development (R&D) projects for formulation of Indian Standards on SS welded tubes for decorative purposes.</p> <p style="text-align: center;"><u>33rd Meeting</u></p> <p>The Committee requested Member Secretary to circulate the drafts received from Shri Nagendra Vijayvargia (ISSDA) among the Committee Members for 21 Days.</p> <p>The committee further decided that the above documents to be circulated in WC for one month with approval of chairman if no comments received or comments received are in editorial nature.</p> <p style="text-align: center;"><u>32nd Meeting</u></p> <p>The Committee noted the Status shared by panel convenor Sh Nagendra Vijayvargia (ISSDA) on documents related to SS Tubes for Electrical Fusion welded SS pipes for high temperature and SS tubes for Mechanical tubing.</p> <p>The Committee requested the Panel convener to share the working drafts with Member Secretary within one month from finalization of the minutes.</p> <p>Subsequent to receipt of draft documents from Panel Convenor, Member Secretary is advised to circulate the same among Members with a request to review the working drafts and share their comments within 21 days.</p> <p style="text-align: center;"><u>31st Meeting</u></p> <p>a. The emphasis during the meeting was on remarks on the Panel on the comments on draft standards on stainless steel pipes for general engineering service (seamless & welded).</p> <p>b. The Committee accorded the proposal by MTD for changes in draft standards and duly endorsed by the panel.</p> <p>The details of the changes agreed to and captured in BIS commenting template were given in Appendix-2 (SI No. 1 to 8, 10, 14, 17 to 19) & Appendix-3(SI No. 3, 5, 6 to 14, 17, 19, 20, 23, 24, 26 & 27).</p> <p>c. However, for some of the changes in the drafts by MTD through BIS commenting template and contested by</p>		

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		<p>Panel were deliberated during the meeting. The decisions of the committee were as follows:</p> <ol style="list-style-type: none"> 1. The proposal of MTD for going ahead with the only one variety namely the PIPE, which could be supplied in two different conditions owing to dimensional tolerances so as to accommodate the sizes of both pipe and tube was deliberated by the committee. Subsequently, it decided to continue with the classification of material based on order as Pipes and Tubes, allowing these terms in the drafts based on their popularity among users, downstream units comprising of fitting manufacturers and Pipe manufacturers. Further, it also noted that Tubing holds to tighter and more stringent dimensional tolerances than pipe. 2. As a result of discussions, the committee defined the terms PIPE and TUBE distinctly as under: <p>Pipe: A long hollow cylinder of round cross section, ordered by specifying Nominal Bore and wall thickness.</p> <p>Tube: A long hollow cylinder of round cross section ordered by specifying outside diameter (OD) and wall thickness.</p> 3. The Committee deliberated on the proposal for making mechanical properties uniformly applicable for PIPE and TUBE. In this regard, invitees representing Pipes Manufacturing association had informed the committee that the requisite mechanical properties were not common across all the sizes and indeed, they were desired because of application inter-alia the classification PIPES and TUBES, as Pipes were specifically used for pressure applications for transporting fluids informed the Committee. <p>Further, they also informed that tensile properties were commonly shared regardless them being supplied as Pipe or Tube.</p> <p>Accordingly, the committee decided not for making mechanical properties uniformly applicable for PIPE and TUBE with an exception of Tensile properties.</p>		

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		<p>Because of clarification provided by representatives of pipes manufacturers association, the committee decided to extend the tensile properties of various grades for tubes to pipes as well.</p> <p>4. To delete clause 17.3.4 in draft standard for seamless and Cl 18.3.4 in draft standard for welded as there is no such relaxation in hydrostatic test on sizes beyond 273mm in ASTM relevant Standards.</p> <p>5. To add a general clause on other tests, replacing eddy current test, Air-underwater test as these test were usually carried for requirements and methods as agreed to between purchaser and manufacturer.</p> <p>6. The Committee deliberated on tolerances on Outer Diameter for Pipes. It was informed by the Panel Convenor that the tolerances on outer diameter were derived from ASTM A 999, Specification for General Requirements for Alloy and Stainless Steel Pipe.</p> <p>The committee agreed to their proposal given the scope of ASTM standard A 999 and their acceptance among users and manufacturers.</p> <p>7. The Committee deliberated on size restrictions for flange test and flattening test. Accordingly, it decided to modify the clauses on them in the draft standards to restrict sizes upto 150mm for flange test (tubes only) and for flattening test upto 600mm both for pipes and large size tubes, as mentioned in scope of respective test method standards.</p> <p>8. To define sizes for pipes in tabular format, replacing the existing tables, by following the practice given in IS 1161, by using concept of NB as the nominal dimension.</p> <p>9. The Committee requested Panel Convenor to recheck the clause on repair by welding and grinding as repair of base metal defects by grinding or welding is applicable only to pipes in the draft and not considered for tubes.</p> <p>10. To incorporate details of NPS and associated schedule numbers for purpose of information only, through an appendix</p>		

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		<p>in the draft, given their prevalence between pipe and fitting manufacturers.</p> <p>d. The modified draft standards on seamless and welded incorporating some of the changes, except the changes to be addressed by panel convener as mentioned at SI No 8, 9 & 10 above are placed at Appendix-4 & 5.</p> <p>e. The Committee decided to nominate Sh Nagendra Vijayvargiya as Panel Convenor (consultant, ISSDA) replacing Sh Rohit Kumar(ED, ISSDA). Further, the newly appointed Panel Conveor was requested to provide modified drafts incorporating changes suggested at SI No. 8, 9 &10 above within 7 days.</p>		
4.	<p>Steel Tubes for Heat Exchangers (IS 11714, Part 1,4 & 5)</p>	<p style="text-align: center;">36th Meeting</p> <p>The Committee deliberated and decided to request panel 2 on seamless pipes and tubes to review the relevant parts of Is 11714 and give their recommendations for revision of the same. Thereafter, the same shall be put up to the panel 14 for comprehensive revision of all parts of IS 11714 which includes both welded and seamless pipes.</p> <p style="text-align: center;">35th Meeting</p> <p>The Committee after deliberation requested Member Secretary to circulate draft of IS 11714 (Part 1, 4 & 5) among the committee members and requested Shri B. B. Prasad to study IS 11714 (Part 2 & 3) for revision.</p> <p>The Committee further constituted a Panel for the revision of the parts of IS 11714 and requested Member Secretary to take the nomination from M/s Maharashtra Seamless, the composition of the Panel is as follows:</p> <ol style="list-style-type: none"> 1. Shri B. B. Prasad (Convenor), M/s Tata Steel Ltd. 2. Shri Subhojit Bhattacharya, M/s Lalita Infraprojects Pvt. Ltd. 3. M/s Maharashtra Seamless (Nomination to be taken). 4. Shri Nagendra Vijayvargia, ISSDA 	<p>Panel 2 meeting was convened on 15 July 2024. The panel has prepared a draft for IS 11714 part 2 & 4. The draft is attached for further deliberation and discussion. The draft prepared by the panel 2 may be submitted to Panel 14 for finalization of draft for revision of IS 11714.</p> <div style="text-align: center;">  01. Standard- IS 11714 -4 (A213& </div> <div style="text-align: center;">  02. Standard-IS 11714 PART 2 </div> <p>The Committee may please deliberate and decide.</p>	<p>The committee noted the information and requested the panel 14 to convene meeting and finalize the draft including the recommendations received from seamless tubes panel 2. It was decided to circulate the p-draft among committee members for 10 days. Further, the committee also decided that if no comments received on p-draft or comments received are in editorial nature same to process for wide circulation for period of 30 days on approval of chairman of MTD 19.</p>

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		<p>5. Shri M. Kannan, BHEL</p> <p style="text-align: center;"><u>34th Meeting</u></p> <p>The Committee noted the information and agreed on member secretary's proposal to revise the Part 2 & 3 along with the parts 1, 4 & 5.</p> <p>The committee further requested members to work on IS 11714 Part 2 & 3 and prepare draft for the revision of part 2 & 3 within one month of time.</p> <p>Shri B B Prasad was requested to provide the draft for part 2 & 3 within one month .</p> <p>Once working draft is received for all parts of the standard, Committee decided to circulate among members for 21 days.</p> <p>Committee also decided that If no comments received from members or comments received are in editorial nature same to process for Wide Circulation for 30 days.</p> <p style="text-align: center;"><u>33rd Meeting</u></p> <p>The Committee requested Member Secretary to circulate the drafts received from Shri Nagendra Vijayvargia (ISSDA) among the Committee Members for 21 Days.</p> <p>The committee further decided that the above documents to be circulated in WC for one month with approval of chairman if no comments received or comments received are in editorial nature.</p> <p style="text-align: center;"><u>Previous Meetings</u></p> <p>ISSDA during the meeting made a presentation informing the committee about the work being done by the panel in formulating and upgrading standards on stainless steel pipes and tubes.</p> <p>The committee requested the Panel 7 to take an early action.</p> <p>After the discussions during panel meeting on 19 Oct 2020, the drafts received from Panel were placed below</p> <p>The Committee observed that the changes proposed in case of IS 1174 Pt.4 & 5 were more suitable for revising the standard in total rather than issuing an amendment.</p> <p>Accordingly, the Committee suggested that at IS 11714 Pt. 1, IS 11714 Pt.4 and IS 1</p>		

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		<p>1714 Pt.1 may be considered for revision .</p> <p>Accordingly, the Member Secretary was advised to circulate IS 11714 Pt. 4 & 5 among its members for 21 days inviting comments.</p> <p>In addition, the Panel was requested to provide draft within two months suitable for or revision of standard instead of an amendment for IS 11714 Pt.1.</p> <p>The Committee deliberated on the proposal from Member Secretary to review Parts 2 and 3 relevant to steel tubes for heat exchanges barring Stainless steels and referred the matter to Panel 8 for providing working draft.</p> <p>The Committee noted the Status shared by panel Convenor Sh Nagendra Vijayvargia (ISSDA) on draft document for revision of IS 11714 Pt.1, 4& 5 and requested convenor to submit the finalised working drafts within one month date of finalization of the minutes.</p>		
5.	<p>IS 18573 {Doc No . MTD19 (11427)} Cold Formed Welded Carbon Steel Square and Rectangular Hollow Sections for Mechanical, General Engineering and Decorative Purposes – Specification</p>	<p style="text-align: center;">35th Meeting</p> <p>The Committee deliberated on the comment received from Shri B. L. Chopra on the standardization portal regarding mentioning the chemical composition for each grade and Committee felt that the existing draft document is complete and does not require any modification.</p> <p>The Committee further decided to send the document for printing if no comment is received till 22 November 2023, with the approval of the chairperson.</p> <p style="text-align: center;">34th Meeting</p> <p>The committee decided to circulate the draft document among the committee members for 5 days.</p> <p>If comments are received, Committee requested Panel 6 to convene a meeting and decide on the comment received. Based on the discussion of the panel, the modified draft will be circulated among members. If no comments are received or comments received are editorial in nature, Committee decided to send the document for wide circulation for 60 days.</p> <p style="text-align: center;">33rd Meeting</p>	<p>The standard is published.</p> <p>The Committee may note.</p>	<p>The Committee the NOTED the Information.</p>


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		<p>Committee decided to send the document in wide circulation for one month.</p> <p style="text-align: center;"><u>Previous Meetings</u></p> <p>The following draft document was received from the Panel 6 vide email dated 16/4/2019.</p> <p>The same has been forwarded to committee members for comments.</p> <p>The committee after deliberation requested the convenor of the panel to highlight in document review mode the relevant extract of national/international standard from where the data has been taken. In case of non-availability of international standards, validation of the data needs to be done before including the same in the Indian standard.</p> <p>The drafts thus received from the panel shall be sent for circulation within the committee members for 21 days and if no comments are received the same shall be sent for wide circulation for one month.</p> <p>The above decision of the committee was reviewed and it was suggested by Head MTD that incorporation of similar sections in two different standard will create unnecessary confusion to the consumer. It was suggested that a separate standard maybe formulated for hollow square and rectangular sections for decorative purpose for sizes lower than that specified in IS 4923. The panel to take up the work accordingly.</p> <p>Vide email dated 8/2/2020 draft specification has been received from Tata steel on Cold Formed Welded Carbon Steel Square And Rectangular Sections For Mechanical, General Engineering And Decorative Purposes which is attached below</p> <p>The committee after deliberation decided that since draft specification has been recently circulated by BIS, the members could not get time to review the document and give comments. The members were requested to review the draft and give their comments within 15 days. The comments received shall be referred to panel 6 and based on the comments the draft shall be suitably modified by panel 6. This revised draft shall again be circulated between the</p>		

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		<p>committee members and if no comments are received the same shall be sent for wide circulation for one month.</p> <p>No comments were received from members. A reminder to the effect was sent to all members giving time till 17 Feb 2021. As there were no comments received again, the draft is being sent for WC.</p> <p>The Committee decided to send the draft for WC placed at Appendix-6, for a period of One month.</p> <p>The Committee had advised the Member Secretary to send the document for wide circulation for 30 days within 21 days from date of finalization of the minutes.</p>		
6.	<p>Amendment No. 3 to IS 4923 : 2017</p> <p>Hollow steel sections for structural use (Third Revision)</p>	<p style="text-align: center;"><u>36th Meeting</u></p> <p>The committee after deliberation decided that since amendment no 2 of IS 4923 is being implemented from 17th April 2024 and the amendment no 3 and the new IS on Cold Formed Welded Carbon Steel Square and Rectangular Hollow Sections for Mechanical, General Engineering and Decorative Purposes – Specification is also undue printing, the implementation of amendment no 2 of IS 4923 may be extended for period of 6 months. It was decided to inform the above proposal of committee to CMD2.</p> <p style="text-align: center;"><u>35th Meeting</u></p> <p>The Committee decided to send the document for printing, if, no comment received or comment(s) received are editorial in nature till 22 November 2023, with approval of the chairperson.</p> <p style="text-align: center;"><u>34th Meeting</u></p> <p>The committee deliberated at length and decided to include the raw material conforming to both IS 10748 and IS 2062 instead of IS 2062 only.</p> <p>The committee decided to remove the less than 2 mm thickness clause from the current amendment till the standard for Hollow Steel Section for Mechanical and General Engineering Purpose is published based on various representation stated that in the absence of availability of Indian Standard for less than 2 mm manufacturer will have no option but to produce the material without BIS standard mark.</p>	<p>As decided in the the 36th meeting, CMD2 was requested to extend the deadline for implementation of amendment 2 to IS 4923. It is to be noted that implementation of amendment no. 2 is extended by 6 months till 17th Oct 2024.</p> <p>As decided in the 36th meeting, the document has been sent for printing with approval of the Chairperson.</p> <p>The Committee may note.</p>	<p>The Committee NOTED the Information.</p>

SI No	Subject	Decision taken in past meetings	Action taken on the decision of last meeting	Decision made during the 37th Meeting
		<p>The committee decided to hold a panel meeting to deliberate the Elongation percent for the grades YSt 420 & YSt 460 and all other comments received on the said standard. The panel is requested to hold the meeting for deliberation on the proposed amendment within one month. Based on the discussion of the panel, the draft will be modified and circulated among members. If no comments are received or comments received are editorial in nature, Committee decided to send the document for wide circulation for 30 days.</p>		
7.	<p>Second Revision of IS 9295 : 1983 Specification for Steel Tubes for Idlers for Belt Conveyors (First Revision)</p>	<p style="text-align: center;"><u>35th Meeting</u></p> <p>The committee decided to change the panel convener Shri Udyan Tyagi, Tata Steel Ltd, by Shri B. B. Prasad M/s Tata Steel Ltd since Mr. Tyagi has already left Tata Steel.</p> <p>The Committee agreed on the Chairperson's proposal and directed the panel to hold a panel meeting on 24 November 2023 to deliberate on the comments received during the wide circulation period and send the updated draft by 27 November 2023.</p> <p>After deliberating the comments the draft is to be again circulated in WC for 30 days, if the proposed changes are accepted otherwise the committee recommended to send the document for printing with approval of the chairperson.</p> <p style="text-align: center;"><u>34th Meeting</u></p> <p>The committee advised member secretary to wait for one week for the document circulated among members and if no comments received within one week, the document can be circulated for wide circulation.</p> <p>Committee also decided that If no comments received on WC or comments received are in editorial nature same to process for printing with approval of the Chairman MTD 19.</p> <p style="text-align: center;"><u>33rd Meeting</u></p> <p>The Committee after deliberation formed a Panel 13 as follows:</p> <p>1. Shri Udyan tyagi, M/s TATA Steel Ltd. (Convenor)</p>	<p>As decided in the 36th meeting, the document has been sent for printing with approval of the Chairperson.</p> <p>The Committee may note.</p>	<p>The Committee NOTED the Information.</p>

SI No .	Subject	Decision taken in past meetings	Action taken on the decision of last meeting	Decision made during the 37th Meeting
		<p>2. Shri Nitin Jain, M/s Surya Roshni Ltd. 3. Shri B. L. Chopra, M/s Bajrang Power and Ispat Ltd.</p> <p>The Committee further requested Panel to submit their recommendations in 2 months for revision of IS 9295.</p> <p style="text-align: center;"><u>Previous Meetings</u></p> <p>Draft standard and proposal for amendment in the standard was received from Shri Udyan Tyagi, Tata Steel BSL ltd and is placed below.</p> <p>The revised standard and the proposal circulated within the committee members vide email dated 30/5/2019.</p> <p>During the last meeting, the committee after deliberation requested the convenor of the panel to highlight in document review mode the relevant extract of national/international standard from where the data has been taken. In case of non-availability of international standards, validation of the data needs to be done before including the same in the Indian standard.</p> <p>The drafts thus received from Tata BSL shall be sent for circulation within the committee members for 21 days and if no comments are received the same shall be sent for wide circulation for one month.</p> <p>No reply received. Reminder sent on 6/11/2019.</p> <p>Udyan Tyagi, Tata Steel Ltd. informed that he shall send the reply in one month's time to BIS. No reply received till date.</p> <p>The Committee requested Sh BB Prasad of M/s Tata steel tubes Ltd. to pass on the message to Sh Udayan Tyagi (Tata Steel Ltd.) for submitting draft within one-month time to BIS.</p> <p>In this regard, Member Secretary informed the Committee about features of portal for assigning review of a standard to Member(s) through portal. Considering the proposal, committee advised Member Secretary to assign the review of IS 9295 to Sh Udyan Tyagi through BIS portal with a request to submit report along with draft within one-month time.</p>		

Sl No	Subject	Decision taken in past meetings	Action taken on the decision of last meeting	Decision made during the 37th Meeting
8.	<p>Formulation of new Standard: Single Wall Copper and Zinc Coated Steel Refrigerator Condenser Tubes – Specification</p>	<p>36th Meeting</p> <p>The Committee deliberated and reviewed the Panel Composition and it was decided to consult with B.B. Chandana to take nomination from EIL.</p> <p>STMAI and MSL will also submit expert nominations. It was also decided to include SSVS REFCOMP Pvt. Ltd. (The proposer of this standard) in the panel. The member secretary was requested to get in touch with the proposer and move the NWIP further.</p> <p>35th Meeting</p> <p>The Committee after deliberation requested members to propose name and contact details of the experts and following recommendations received:</p> <p>a) Shri B. L. Chopra will share contact details of relevant expert from M/s MECON Ltd.</p> <p>b) Shri Rameshwar Prasad will suggest suitable person from M/s EIL.</p> <p>The committee further recommended holding the next panel meeting once the nominations are received.</p> <p>34th Meeting</p> <p>The committee advised members of the panel to hold next panel meeting as soon as possible to expedite the process of formulating this standard.</p> <p>The committee further requested member secretary to ensure follow up with the organizations and get the nominations from the remaining organizations.</p> <p>33rd Meeting</p> <p>Committee requested Panel to submit their recommendations in one month to committee for consideration.</p> <p>Previous Meetings</p> <p>The proposal received through portal was circulated among members inviting comments till 20 Jan 2021.</p> <p>Given its import value and that the product is component for condensers, the Committee recommended to formulate a standard and constituted Panel 9 as mentioned below for taking up the task:</p> <p>1. Nomination from EIL/NML/MECON - Panel Convener</p>	<p>No progress is done after last meeting. This standard was allotted to BIS intern for sending the draft standard. The intern has sent the draft report. The committee may review the panel and reconstitute the panel for formulation of the new standard.</p> <p>The Committee may deliberate and decide.</p>	<p>The committee requested member secretary to contact proposer of the NWIP. If no response received from the proposer, then the proposal may be rejected.</p>

SI No	Subject	Decision taken in past meetings	Action taken on the decision of last meeting	Decision made during the 37th Meeting
		<p>2. Sh BB Prasad, Tata Steel</p> <p>3. Sh B Duari, Lalita Infra</p> <p>4. Sh Nitin Jain, Surya Roshni</p> <p>5. Sh Nikhil Srivastav, SVS</p> <p>6. Another Manufacturer of the tubes</p> <p>7. Two nominations from user industry comprising of manufacturers of condensers for refrigerators.</p> <p>8. Nomination from MED 3</p> <p>The Committee desired that the Panel should submit the following to the Committee:</p> <p>I. Plan of work, which comprises of Selection of grades, sampling, source of samples, Tests to be carried out, Labs</p> <p>II. Terms of reference for the task</p> <p>III. Cost Estimation and Source of funding</p> <p>IV. Timelines for completion</p> <p>It was decided by the committee that panel to submit the report in 2 months after receipt of nominations from MECON and MED.</p>		
9.	Seamless Tubes for High T services – NWIP	No action taken in the last meeting, Since this project taken in this meeting for the first time.	<p>Panel 2 (seamless pipes and tubes) meeting convened on 15 July 2024. Panel has prepared draft on the subject. The draft is attached for further discussion.</p>  <p>03_Standard IS XXXX (A106)_B</p> <p>The Committee may deliberate and decide.</p>	It was decided to circulate the p-draft among committee members for 10 days. Further, the committee also decided that if no comments received on p-draft or comments received are editorial in nature same to process for wide circulation for period of 30 days on approval of chairman of MTD 19.

Item 3 COMPOSITION OF SECTIONAL COMMITTEE

3.1 The Committee reviewed the composition thoroughly and after reviewing the attendance of past 3 meetings, the Committee decided to send warning letters to all the members of the organizations absent in 2 consecutive meetings and members absent in this meeting also. If the organizations not attending meetings fail to provide revised nominations (in case of

transfer or retirement of members), then, the organization shall be removed from the MTD 19 Committee composition.

3.2 APL Apollo Tubes Limited, Vishal Pipes Limited and MANIT, Department of Materials and Metallurgical Engineering have applied for membership of the Committee. The Committee deliberated and decided that MANIT, Department of Materials and Metallurgical Engineering are fit for the membership of the Committee and APL Apollo Tubes Limited and Vishal Pipes Limited are fit for the panel membership of the Committee.

The Committee NOTED the Information.

Item 4 COMMENTS ON INDIAN STANDARDS/DRAFT DOCUMENTS

No comments received after last committee meeting held on 10 April 2024.

The Committee NOTED the Information.

Item 5 REVIEW OF INDIAN STANDARDS

The Committee NOTED the information given in Item no. **5.1, 5.1.1, 5.1.2, 5.1.3 and 5.2** of the Agenda.

The Committee NOTED the information.

The Committee NOTED the information given in Item no. **5.4** of the Agenda.

Item 6 NEW PROPOSALS FOR STANDARDIZATION

The Committee NOTED the information given in Item no. **6.1** to **6.4** of the Agenda.

Item 7 INTERNATIONAL ACTIVITY

7.1 The Committee NOTED the information given in Item no. **7.1** to **7.3** of the Agenda.

7.2 The Chairperson requested all members to submit their comments on the relevant ISO ballots circulated among the members for views/comments within stipulated time to represent India's views at the International level. Member secretary requested all the members to utilize the IR portal for the purpose of commenting on ISO Ballots.

Item 8 WTO-TBT ENQUIRY POINT

The Committee NOTED the information given in Item no. **8.1, 8.2, 8.3, 8.4, 8.5** and **8.6** of the Agenda.

Item 9 IMPLEMENTATION OF INDIAN STANDARDS

The Committee NOTED the information given in Item no. **9.1** of the Agenda.

Item 10 QUALITY CONTROL ORDER

The Committee NOTED the information.

Item 11 BIS INITIATIVES

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

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

The Committee NOTED the information.

Item 13 TASKS ASSIGNED TO THE TECHNICAL COMMITTEES BY BIS

The Committee NOTED the information.

Item 14 DATE AND PLACE FOR THE NEXT MEETING

The Committee decided to hold the next meeting of MTD 19 in December 2024, in Physical mode at one of the MOU organizations. The members requested member secretary to share the list of MOU organizations by email, so that one of the organizations may be selected in consensus.

Item 15 ANY OTHER BUSINESS

15.1 The member secretary informed all principal members to attend the training on 08 August 2024 at NITS Noida. The Committee NOTED the Information and assured to participate in the said training.

15.2 The Committee NOTED the Information from the agenda point regarding utilization of IR portal.

15.3 The committee decided to discuss the NOC applications separately on 24 July 2024.