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BUREAU OF INDIAN STANDARDS

Minutes

Name of the Committee	No. of Meeting	Date and Time	Day	Venue
Inland, Harbour Crafts and Fishing Vessels Sectional Committee, TED 18	Twenty Fourth	30 July 2024 10:30 AM	Thursday	Virtual Meeting

Chairman: Shri S Velmurugan
Indian Register of Shipping

Member Secretary: Mohammad Tausif

Present

S. no.	Organization Name	Member Name
1.	Indian Register of Shipping, Mumbai	Shri S Velmurugan
2.	Directorate General of Quality Assurance, New Delhi	Capt. Satyanath M Bhosale
3.	Delhi Earth Station Space Applications Centre, Department of Space, New Delhi	Ms. Shahana K
4.	Dredging Corporation of India Limited, Vizag	Shri YSR Murthy
5.	Goa Shipyard Limited, Goa	Shri Aditya
6.	Goa Glass Fibre Limited, Goa	Shri Nitin Soman
7.	Indian Diesel Engine Manufacturers Association, New Delhi	Shri Arvind Ranganathan
8.	Indian Institute of Technology Kharagpur, Kharagpur	Shri Vishwanath
9.	Indian Institute of Technology Madras, Chennai	Shri Rajiv Sharma
10.	Institute of Marine Engineers India, Mumbai	Cmde. Bhupesh Tater Shri Rajeev Nayyer
11.	Ministry of Ports, Shipping and Waterways, New Delhi	Shri Ramji Singh
12.	Shoft Shipyard Private Limited, Thane	Shri Binod Kumar Sah
13.	Shipyards Association of India, New Delhi	Shri Sanjiv Walia

Item 0 GENERAL

0.1 The Member Secretary welcomed the participants to the virtual meeting and introduced himself. The member Secretary informed the committee members that TED 18 Chairman Shri H V Ramesh would not be able to chair today's meeting as he is engaged with some important meeting/work. He further informed that, Shri H V Ramesh the chairman of the committee nominated Shri S Velmurugan, Principal Surveyor, IRS for chairing the meeting. The member secretary requested all members for the approval of the same. All the members agreed for the same and with the introduction of all the members the meeting proceeds further.

0.2 Opening Remarks by the Head (TED)

Head (TED) requested of active involvement are required from all the members and stakeholders so that we can take this standardization mission forward in a constructive way. He further informed that there is a gap of around nine months in this TED 18 Sectional committee meeting, whereas as per our norms we have to conduct a sectional committee in every quarter. He requested the committee members for their support to conduct meetings quarterly.

0.3 Opening Remarks by the Chairman

Shri S Velmurugan welcomed the members in the twenty fourth meeting of Inland Harbour Crafts and Fishing Vessels Sectional Committee, TED 18. He remarked that Shri H V Ramesh couldn't be able to attend this meeting because of some other important commitments, so he nominated me to co-chair today's meeting. I'll try to help to the extent possible whatever remarks require to be fulfilled or whatever clarification is required to be complied. Let us take it forward to the agenda, then we can discuss further on that. And also I have support from committee members who will be assisting in terms of other technical work.

0.4 Adoption of the Agenda

The committee accepted and adopted the agenda circulated through standardization portal and mail.

ITEM 1 CONFIRMATION OF THE MINUTES OF LAST MEETING

1.1 The minutes of the last meeting of Inland Harbour Crafts and Fishing Vessels Sectional Committee, TED 18 held on 23 November 2023 were circulated vide mail dated 23 January 2024. Last date to send comments was 13 February 2024. No comments have been received.

The committee confirmed and adopted the minutes.

ITEM 2 COMPOSITION OF THE SECTIONAL COMMITTEE

2.1 The committee noted the information given in the agenda.

2.2 The committee noted the information given in the agenda.

2.3 The Committee noted the present composition of the committee given in annex 1. The committee further noted that following organizations have not attended the last two meetings and, chairman asked to member secretary to connect with the following member for attending the meeting:

- a) Indian Maritime University (IMU), Visakhapatnam
- b) Titagarh Wagons Limited, Kolkata

2.4 The Chairman commented that we can onboard naval architects in the sectional committee as they are having the information related to the latest technology and problems being faced by the shipbuilding industries. He further remarked that representation from IMU and Cochin Maritime University would be valuable for the committee. The member secretary informed that the mentioned education institutes are the members of the committee but not present during today's meeting. He assured the committee to contact them and bring them for active engagement with the activities of the TED 18.

ITEM 3 THE PRESENTATION ON THE PROCESS PERFORMS

The committee noted the information given in the agenda.

ITEM 4 POSITION OF WORK

The committee noted the information given in the agenda.

ITEM 5 ANNUAL CALENDAR OF MEETING 2024 – 2025

The committee noted the information given in the agenda.

ITEM 6 RESEARCH PROJECTS TO BE TAKEN UP FOR INCLUSION OF EMPIRICAL DATA AND INSIGHTS

The member secretary informed that currently two R&D projects are under allotment stage and may be allotted to the educational institute shortly. H(TED) informed that any member of the committee may also suggest and work on the R&D projects which they felt would elevate the problems of the shipbuilding industries. He further said that these activities have just started six months ago so in a nascent stage but it is gradually picking up quickly.

The chairman of the committee also requested the members from the educational institute to propose the R&D projects. The chairman himself proposes an R&D projects on composite

materials, carbon fiber, FRP materials etc. used and their relevance in shipbuilding industries. H (TED) requested a one or two page proposal and informed that BIS would be happy to allocate the proposed R&D projects. The co-chairman of the committee agreed for the same.

H(TED) further requested the members (professors) to kindly explore the possibility of having this project at their institute so that we'll formulate the terms and conditions and then we will go ahead with the research on this particular topic, which is very relevant and important for today's requirement of the ship industry.

Shri Rajiv Nayyar, member of the committee suggested subjects for R&D projects like noise generation problem (due to main fleet) which is in air and under water which is gaining traction nowadays and another one related to materials used in manufacturing design of boats (specially petrol boat materials i.e. composite materials etc.) and ships which can be taken at least in the form of literature review.

Shri Rajiv Sharma, IIT Chennai proposes that he can work on the materials selection subject to application of the product. H (TED) requested Shri Rajiv Sharma to submit R&D proposals for the same.

ITEM 7 MEASURES TO ENSURE EFFECTIVE PARTICIPATION BY THE INDIAN EXPERTS AT ISO/IEC LEVELS TECHNICAL WORK PROGRAMME OF THE COMMITTEE

The member secretary informed the committee that under TED 18 a list of relevant mirror committees of ISO standards published and new work on which ISO standards are being developed was compiled. It is requested of all members to please identify the subject and area of their interest and intimate to the member secretary that would help our country to participate more efficiently at ISO level.

Further, the Head (TED) mentioned that our representation in the development of ISO level standards is low as compared to our neighboring country. In view of that our authority has instructed us to increase participation at ISO level. So it is requested that the members should nominate themselves based on their expertise and subject at ISO level meeting.

Member secretary requested committee members to forward their nomination through mail.

ITEM 8 NATIONAL AND INTERNATIONAL EVENTS/ ACTIVITIES TO BE PARTICIPATED

Shri Rajiv Nayyar informed the committee that the World Maritime Technology Conference 2024 is planned at Chennai on 4 to 6 Dec 2024.

He also informed that, DOSTAS International Maritime Seminar 2024 (DIMS 2024), is to be hosted on August 16-17, 2024, in the vibrant city of Cochin, India.

The committee noted the details of the National and International event.

ITEM 9 CREATION OF POOL OF EXPERTS

The Chairman of the committee suggested that we should onboard experts who are working in the field of use of HDPE materials used for the boat building because in this field enough standards are not available to support this. The concern with HDPE is fire safety but other advantages is it is recyclable. He informed that he will share the details of the expert who can be onboarded in the committee having expertise in the field of HDPE materials.

ITEM 10 ACTIONS ARISING OUT OF THE PREVIOUS MEETING OF TED 18

The committee agreed to take up the issue in the next meeting.

Sl. no.	Item no of minutes / agenda	Subject	Decision of Committee in the last meeting	Present Status
1.	Item 3, Table 1, sl no 1	Revision of IS 7046: 1993 Inland Vessels – Harbour Tugs – Guide for selection	<p>Mail dated 06 April 2022 was sent to Indian Register of Shipping seeking following information:</p> <p>a) Name of Licensing authority/ certification authority for harbour tugs.</p> <p>b) The details of M/s IRS documents specifying requirements of harbour tugs.</p> <p>In the last meeting Chairman Shri H V Ramesh requested member secretary to forward the mail to him so that a reply can be sent to member secretary.</p> <p>He intimated that the present Indian Standard is very sketchy and that was the reason M/s Indian Register of Shipping had recommended withdrawal of Indian Standard.</p>	Committee decided to share the standards with Mr. Walia to share with Inland Waterways

Sl. no.	Item no of minutes / agenda	Subject	Decision of Committee in the last meeting	Present Status
2.	Item 3, Table 1, sl no 2	Revision of IS 9860 (Pt 1): 1981 Specification for fishing hooks Part 1 Barbed hooks	<p>In the earlier meeting Dr. Leela Edwin explained that they have reviewed 15 types (approx.) of fishing hooks and draft document has been forwarded to member secretary vide mail dated 20 Sept 2021.</p> <p>Member secretary informed that preliminary draft, based on inputs received from Dr Leela Edwin is under preparation.</p> <p>Shri S M Rai informed that IMO is also deliberating on fishing boats and gears and requested that draft Indian Standard should be aligned with IMO document.</p> <p>He agreed to forward the IMO document to member secretary.</p>	Shri Rajeev Nayyar informed that IMO is looking only for pollution related aspects. He further informed that i will contact with Shri S M Rai. Chairman suggested to contact with Shri M V Biju from CIFT to have comment on this.
3.	Item 3, Table 1, sl no 4	Revision of IS 8013: 1985 Specification for performance requirements and testing of marine diesel engines for fishing vessels	<p>In its earlier meeting the committee had deliberated whether this subject needs to be transferred to Marine engineering and Safety Aids Sectional Committee TED 19 since IS 3979:1998 'Shipbuilding - Testing of marine diesel engines - Code of practice (First Revision) is covered under TED 19 Sectional committee.</p> <p>In the last meeting Shri Karthik Sarma M/s IDEMA informed that he is attending the sectional committee meeting for the first time. He informed that inputs will be forwarded to member secretary after the subject is</p>	Inputs are yet to be received. The committee decided to recirculate it to the members in the panel.

Sl. no.	Item no of minutes / agenda	Subject	Decision of Committee in the last meeting	Present Status
			<p>discussed internally within IDEMA.</p> <p>Shri Karthik Sarma M/s IDEMA gave the presentation on the subject.</p> <p>The committee after deliberations agreed that the Indian Standard needs to be revised and updated since under Pradhan Mantri Matsya Sampada Yojana, a lot of fishing boats are being mechanized.</p> <p>The committee proposed a panel of M/s IDEMA, Shri Rajeev Sharma M/s IIT and Shri M V Baiju M/s CIFT to provide a working draft by the 23rd meeting of sectional committee.</p>	
4.	Item 3, Table 1, sl no 15	Review of IS 8373 (Part 1): 1991 Specification for steel launches Part 1 Single hull passenger ferry launches (first revision)	<p>The committee in its earlier meeting had decided that Shri Rajeev Sharma M/s IIT Chennai would give their inputs/ recommendations regarding revision of Indian Standard.</p> <p>As requested by Shri Rajeev Sharma in earlier meeting, the Indian Standard was forwarded to him vide mail dated 27 December 2021.</p> <p>In the last meeting Shri Rajeev Sharma requested that Indian Standard may be forwarded to him again. He informed that inputs will be forwarded to member secretary by September</p>	<p>Indian Standard was forwarded to Shri Rajeev Sharma vide mail dated 22 December 2022.</p> <p>Inputs are yet to be received.</p> <p>The committee decided to recirculate it to Shri Rajeev Sharma, IIT Chennai.</p>

Sl. no.	Item no of minutes / agenda	Subject	Decision of Committee in the last meeting	Present Status
			2022.	
5.	Item 3, Table 1, sl no 19	Review of IS 11693: 2006/ ISO 21: 1985 Shipbuilding - Inland navigation - Cable-lifters for stud-link anchor chains (first revision)	<p>Indian Standard is identical adoption of ISO 21:1985 however ISO 21:1985 has been withdrawn with effect from 29 07 2016.</p> <p>In its earlier meeting Shri Ranganathan S M/s IRS suggested that the Indian Standard may be circulated among various shipyards of the country for their inputs.</p> <p>Based on the inputs received, IRS can comment whether the current standard may be taken up for revision or a new standard may be formulated.</p> <p>Indian Standard has been forwarded to Shri P R Govil vide mail dated 07 April 2022 In the last meeting Shri P R Govil M/s SAI informed that Indian Standard has been circulated among shipyards and no inputs have been received.</p> <p>Mail dated 22 December 2022 was sent to Shri P R Govil to follow up with shipyards for inputs.</p>	<p>Inputs from Shipyards are awaited.</p> <p>The committee decided to recirculate it to the members in the panel.</p>
6.	Item 3, Table 1, sl no 20	Review of IS 11694 (Part 1): 1986 ISO 7545: 1983 Specification for single-lock automatic	<p>Indian Standard has taken considerable assistance from ISO 7545:1983 however ISO 7545:1983 has been withdrawn with effect from 31 03 2020.</p> <p>The committee in its earlier meeting observed that Inland</p>	<p>Inputs/ recommendations from IWAI are awaited.</p> <p>The committee decided to recirculate it to the members in the panel.</p>

Sl. no.	Item no of minutes / agenda	Subject	Decision of Committee in the last meeting	Present Status
		couplings for push tows for inland navigation, Part 1 General requirements	<p>Waterways Authority of India (IWAI) seeks information on push tows.</p> <p>In the last meeting it was informed that Shri S V K Reddy has joined some other organization on deputation and Shri Ravikant Chief Engineer and link officer of Shri Reddy may be contacted.</p> <p>The committee advised member secretary to follow up with Inland Waterways Authority of India (IWAI) to update their nominations.</p>	
7.	Item 3, Table 1, sl no 21	IS 11694 (Part 2): 1986 ISO 7545: 1983 Specification for single-lock automatic couplings for push tows for inland navigation, Part 2 Type A Couplings	<p>Indian Standard has taken considerable assistance from ISO 7545:1983 however ISO 7545:1983 has been withdrawn with effect from 31 03 2020. The committee in its earlier meeting observed that Inland Waterways Authority of India (IWAI) seeks information on push tows.</p> <p>In the last meeting it was informed that Shri S V K Reddy has joined some other organization on deputation and Shri Ravikant Chief Engineer and link officer of Shri Reddy may be contacted.</p> <p>The committee advised the member secretary to follow up with the Inland Waterways Authority of India (IWAI) to update their nominations.</p>	<p>Inputs/ recommendations from IWAI are awaited.</p> <p>The committee decided to recirculate it to the members in the panel.</p>

ITEM 11 DRAFT INDIAN STANDARDS FOR FINALIZATION

11.1 TED 18 (21060) Acceptance Tests and Trials for Fishing Vessels [First Revision of IS 10199]

Doc no TED 18 (21060) [please see [Annex 3](#)] was circulated as a wide circulation draft for comments through the portal on 20 11 2023. The document was also circulated vide mail dated **20 Nov 2023**. Last date to send comments is 27 December 2023.

The Committee noted the information given in the agenda. The committee agreed that the document may be finalized and sent for the printing as no comment received.

11.2 TED 18 (23656) Cutter Suction Dredge Components Specification Part 4 Spud [First Revision of IS 10854 (Part 4)]

Doc no TED 18 (23656) [please see [Annex 4](#)] was circulated as wide circulation draft for comments through the portal on 01 12 2023. The document was also circulated vide mail dated **01 Dec 2023**. Last date to send comments is 01 Feb 2024.

The Committee decided to forward the documents to dredging corporation of India Limited for their comments as they are the users for these components giving 30 days time to respond.

11.3 TED 18 (21120) Power operated windlasses and anchor capstans for inland vessels General requirements [First Revision of IS 11474]

Doc no TED 18 (21120) [please see Annex 5] was circulated as wide circulation draft for comments through the portal on 11 02 2024. The document was also circulated vide mail dated **11 Feb 2024**. Last date to send comments is 15 April 2024.

The Committee noted the information given in the agenda. The committee agreed that the document may be finalized and sent for the printing as no comment received.

11.4 Doc no TED 18 (23640) Cutter Suction Dredge Component - Specification Part 2 : Suction pipe [First Revision of IS 10854 (Part 2)]

Doc no TED 18 (23640) [please see Annex 6] was circulated as wide circulation draft for comments through portal on 01 12 2023. The document was also circulated vide mail dated **01 Dec 2023**. Last date to send comments is 01 Feb 2024.

The Committee decided to forward the documents to dredging corporation of India Limited for their comments as they are the users for these components giving 30 days time to respond.

11.5 Doc no TED 18 (23660) Cutter Suction Dredge Components Specification Part 5 Cast Spud Point [First Revision of IS 10854 (Part 5)]

Doc no TED 18 (23660) [please see Annex 7] was circulated as a wide circulation draft for comments through the portal on 01 12 2023. The document was also circulated vide mail dated **01 Dec 2023**. Last date to send comments is 01 Feb 2024.

The Committee decided to forward the documents to dredging corporation of India Limited for their comments as they are the users for these components giving 30 days time to respond.

11.6 Doc no TED 18 (21883) Plastic Fishing Floats – Specification [First Revision of IS 9496 (Part 1)]

Doc no TED 18 (21883) [please see Annex 8] was circulated as a wide circulation draft for comments through the portal on 27 10 2023. The document was also circulated vide mail dated **27 Oct 2023**. Last date to send comments is 27 Dec 2023.

The Committee noted the information given in the agenda. The committee agreed that the document may be finalized and sent for the printing as no comment received.

11.7 Doc no TED 18 (23664) Cutter Suction Dredge Components Specification Part 6 Cast Spud Cylinder [First Revision of IS 10854 (Part 6)]

Doc no TED 18 (23664) [please see Annex 9] was circulated as a wide circulation draft for comments through the portal on 01 12 2023. The document was also circulated vide mail dated **01 Dec 2023**. Last date to send comments is 01 Feb 2024.

The Committee decided to forward the documents to dredging corporation of India Limited for their comments as they are the users for these components giving 30 days time to respond.

11.8 Doc no TED 18 (23620) Cutter Suction Dredge Component - Specification Part 1 Cutter [First Revision of IS 10854 (Part 1)]

Doc no TED 18 (23620) [please see Annex 10] was circulated as a wide circulation draft for comments through the portal on 01 12 2023. The document was also circulated vide mail dated **01 Dec 2023**. Last date to send comments is 01 Feb 2024.

The Committee decided to forward the documents to dredging corporation of India Limited for their comments as they are the users for these components giving 30 days time to respond.

11.9 TED 18 (23644) Cutter suction dredge component — Specification Part 3 Ladder [First Revision of IS 10854 (Part 3)]

Doc no TED 18 (23644) [please see Annex 11] was circulated as Preliminary draft vide mail dated 05 October 2023. Last date to send comments was 24 November 2023. No comments have been received.

The Committee decided to forward the documents to dredging corporation of India Limited for their comments as they are the users for these components giving 30 days time to respond.

ITEM 12 STANDARDS FINALIZED AND UNDER PRINTING

The committee noted the information provided. The Chairman requested to share the Doc no. TED 18 (23956) 'Small craft — Fire protection (First Revision of IS 17470) (Identical adoption of ISO 9094:2022) to him for the further review of the standards.

ITEM 13 NEW WORK PROPOSALS

The committee approved the New Work Proposals mentioned in the agenda. Prof. Viswanath, IIT Kharagpur suggested the development of standards on Electric Hybrid Fishing Vessels. The member secretary informed the committee that ISO standards exist for Small Craft Lithium-ion batteries-requirement. In line with these standards an indigenous standard may be developed for Electric Hybrid Fishing Vessels. The member secretary further mentioned that ISO standards would be shared with Prof. Viswanath for his kind perusal and further action. The committee noted the information provided in the agenda.

ITEM 14 COMMENTS ON INDIAN STANDARDS

The committee noted the comments received on Indian Standards and asked the member secretary to initiate the further action based on input received.

ITEM 15 TECHNICAL WORK PROGRAMME OF THE COMMITTEE

15.1 The committee noted the information provided in annex 18 of the agenda.

15.2 The committee noted the information provided in annex 19 of the agenda.

15.3 The committee noted the information given in annex 20 of the agenda. The committee noted the information given in annex 19 of the agenda. The committee advised the member secretary to circulate a review format of Indian Standards, especially of standards published prior to year 2000, for inputs.

15.4 Member secretary explained the format to review the Indian Standards, provided in annex 21 of the agenda, to committee members.

15.5 The Head (TED) mentioned that now-a-days more and more emphasis is being given on green technology. Moreover due to increased pollution concerns, future marine vessels will be based either on solar energy or hydrogen or methanol. Small mobility vessels with hybrid or battery propulsion are also expected to be used. Marine vessels using Hydrogen as a fuel is also an emerging area. Hence people dealing in above mentioned areas and also people related to ship design like 'Indian Marine Design Association' should be co-opted in the committee composition.

Member secretary informed that the strategic road map of the committee will be circulated to committee members for their information. Inputs received will be deliberate in the next

committee meeting.

The chairman suggested restructuring the subjects deals within the various TED 17, 18 & 19 sectional committees to avoid complexities and suitable subjects should be available under suitable sectional committees.

15.6 The committee noted the information provided in annex 23 of the agenda.

ITEM 16 INTERNATIONAL ACTIVITIES

16.1 The committee noted the information given in the agenda.

16.2 The committee noted the information given in the agenda. The Member secretary requested that inputs on ISO documents may be sent in the early stage. Chairman requested that documents related to small craft may be forwarded to him.

16.3 Member secretary requested committee members to go through the list of ISO Standards and forward their inputs based on criteria mentioned. The committee noted the information given in the agenda and agreed to take up adoption of ISO Standards as per need.

16.4 The committee noted the information as provided in annex 24 of the agenda.

16.5 The Chairman requested committee members, who can spare some time and wish to participate and contribute in international standardization, to forward their names against the working groups so that their names can be listed in ISO global directory for participation in the international standardization work.

The Chairman of the committee nominated himself as an expert for the ISO/TC 188 committee. Prof. Viswanath, IIT Kharagpur proposed his name as an expert for the ISO committee of Ship Design (ISO/TC 8/SC 8). Member Secretary requested to forward nomination via mail for further necessary action at our end.

16.6 The committee noted the information provided in annex 25 of the agenda. The committee agreed that Indian Standards which are identical adoption of ISO Standards may be harmonize with the latest ISO Standard. The committee advised the member secretary to take necessary action in this regard.

16.7 The committee noted the information provided in annex 26 of the agenda.

16.8 In order to have continuity and to protect the interest of national committee, relevant government regulation and interest of Indian trade & industries, India should participate in the meetings of ISO/ TC 8 and its sub-committee and working groups as given in the agenda, so that India's viewpoint can be well taken while processing ISO documents. Hence all the members were requested to actively participate in ISO voting by sending comments on the ISO documents through BIS.

ITEM 17 NEW INITIATIVES

The committee noted the information given in the agenda.

ITEM 18 E-SALES OF STANDARDS

The committee noted the information given in the agenda.

ITEM 19 ANY OTHER BUSINESS

ITEM 20 DATE AND PLACE FOR THE NEXT MEETING

The committee agreed that the next meeting may be scheduled in November in hybrid mode at IIT, Kharagpur after the confirmation from the Chairman. Final date and venue will be finalized in consultation with the Chairman.

In his concluding remarks the Chairman thanked all members for their participation. He advised that inputs on documents pertaining to Dredging Corporation of India may be sent within a definite timeline.

No other business was discussed and the meeting ended with a vote of thanks by the member secretary.