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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 third	23 November 2023 10 30 AM	Thursday	Virtual Meeting

Chairman: Shri H V Ramesh
Indian Register of Shipping

Member Secretary: Sharad Kumar

Present

Sl No.	Name of the Organization	Name of participant
3	ICAR Central Institute of Fisheries Technology, Kochi	Shri M.V. Baiju
4	Directorate General of Shipping, Mumbai	Shri Gopikrishna C
5	Directorate General of Quality Assurance	Shri SM Bhosale
6	Directorate of Naval Architecture, Naval Headquarters, New Delhi	Shri Himanshu Sharma
7	Dredging Corporation of India Ltd, Vizag	Capt. S. Divakar
8	Dredging Corporation of India Ltd, Vizag	Shri Y.S.R. Murthy
9	Delhi Earth Station Spacer Applications Centre, Department of Space, New Delhi	Ms. Shana K
10	Fine Finish Organics pvt. Ltd, Mumbai	Shri G.S Prabhu
11	Fine Finish Organics pvt. Ltd, Mumbai	Ms. Karishma Prabhu

12	Fine Finish Organics pvt. Ltd, Mumbai	Ms. Sanyogeeta Pawar
13	Goa Glass Fibre Limited, Goa	Shri Nitin Pandurang Sonam
14	Goa Glass Fibre Limited, Goa	Shri Emani Venkata Rama Krishna
15	Goa Glass Fibre Limited, Goa	Shri Saji Sahadevan E
16	Goa Shipyard Ltd, Goa	Shri Santosh Kumar Singh
17	Indian Diesel Engine Manufactures Association, (IDEMA)	Shri Arvind Ranganathan
18	Indian Diesel Engine Manufactures Association, (IDEMA)	Shri Karthik Sharma
19	Indian Institute of Technology Madras, Chennai	Shri Rajeev Sharma
20	Indian Institute of Technology Kharagpur	Shri Vishwanath Nagarajan
21	Indian Institute of Technology Kharagpur	Prof. O.P. Sha
22	Indian Register of Shipping, Mumbai	Shri K.K Dhavan
23	Institute of Marine Engineers India Mumbai	Shri Rajeev Nayyer
24	Institute of Marine Engineers India Mumbai	Cmdr.B Tater (Retd)
25	Ministry of Ports, Shipping and Waterways, New Delhi	Shri Ramji Singh
26	Shipyard Association of India, New Delhi	Shri Sanjeev Walia
27	Shoft Shipyard private Limited, Thane	Shri Binod Kumar Sah

Item 0 GENERAL

0.1 Member Secretary welcomed the participants to the virtual meeting. He introduced himself and requested all the members to introduce themselves. After introduction he requested the Chairman for his opening remarks.

0.2 Opening Remarks by the Chairman

Shri H V Ramesh welcomed the members in the twenty third meeting of Inland Harbour Crafts and Fishing Vessels Sectional Committee, TED 18. He remarked that meeting has been scheduled in virtual mode to have more participation of committee member. He stressed the need for data regarding usage of Indian Standards. He observed that committee composition has member from

different stakeholders like ship designer, manufacturers and users and requested members to identify list of standards which are required to be reviewed on urgent basis and forwarded to BIS. Research and development projects may also be used for formulation of new Indian Standards.

0.3 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 06 April 2023 were circulated vide mail dated 03 July 2023. Last date to send comments was 24 July 2023. 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 organization have not attended the last two meetings and, in accordance with the directions mentioned in item 2.2 of the agenda, decided to delete them from the committee composition.

- a) M/s American Bureau of Shipping, Mumbai
- b) M/s Ashok Leyland
- c) M/s Central Institute fisheries Nautical and Engineering Training, Kochi
- d) M/s Cyriac Elias Voluntary Association (CEVA), Kochi
- e) M/s Directorate of Naval Design, Naval Headquarters, New Delhi
- f) M/s Inland Waterways Authority of India, Noida
- g) M/s Kerala Shipping and Inland Navigation Corporation Ltd, Kochi
- j) M/s Kolkata Port Trust, Kolkata
- k) M/s Lloyd's Register Asia, Mumbai

- m) M/s Mazagon Dock Ltd, Mumbai
- n) M/s Raksha Polycoats Pvt.Ltd, Pune.
- p) M/s Sartex India Pvt. Ltd, Pune
- q) M/s Timbo Drycocks Pvt Ltd, Margo
- r) M/s Vedam Design and Technical Consultancy Pvt. Ltd. Mumbai
- s) Shri S.M Rai (In Personal Capacity)

2.4 The Chairman noted that green energy is being adopted in various sectors including fishing. Hence, he suggested that manufacturers of these components electric battery, solar panel and LPG kits may be co-opted in the committee, as these are new and emerging areas. Member Secretary requested Shri Sanjeev Walia M/s Shipyard Association to nominate one/ two fishing vessels manufacturers who can contribute in Standardization work.

ITEM 3 THE PRESENTATION ON THE PROCESS PERFORMS

The Committee advised member secretary to circulate the ‘presentation on the process reform’ through mail.

ITEM 4 ROLLING ACTION PLAN FOR THE YEAR 2023 - 2024

Member secretary explained that as per process reforms under taken, rolling action plan needs to be approved in the first meeting of the committee which should be scheduled, preferably in the first quarter of the year. The committee noted and approved the rolling action plan given in annex 2.

ITEM 5 ANNUAL CALANDER OF MEETING 2023 – 2024

The committee noted the information given in the agenda.

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

Member secretary explained the draft terms of reference (ToR) given in the agenda. Committee was informed that at present dredge manufacturing is concentrated outside the country that is one of the reasons the standards are not in much use. Shri Divakar M/s Dredging Corporation informed that components like suction pipe, spud would not make much of a difference but standardization on components like cutter, dredge pump and impeller should be undertaken. Govt of India is also pushing for local manufacture of dredge under ‘Make in India’ scheme.

The Chairman requested Shri Divakar to send comments on terms of reference. The committee agreed that in case no inputs are received in 15 days, the terms of reference shall stand finalized.

The committee after deliberations approved the Indian Standards for research and development projects.

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

Member secretary requested committee members to forward their inputs.

ITEM 8 NATIONAL AND INTERNATIONAL EVENTS/ ACTIVITIES TO BE PARTICIPATED

The committee noted the information given in the agenda. The committee agreed to forward information about national and international events to member secretary.

ITEM 9 SCIENTIFIC JOURNALS AND PERIODICALS TO BE SUBSCRIBED

The committee noted the information given in the agenda. The committee further suggested that quarterly general of Institute of Naval Architecture may be subscribed.

ITEM 10 CREATION OF POOL OF EXPERTS

Member secretary explained that details of persons, who are not interested in becoming a member of any committee/ sub-committee/panel/working groups, but can give inputs on documents/ Indian Standards may be forwarded to member secretary so that pool of expert can be created.

ITEM 11 ACTIONS ARISING OUT OF THE PREVIOUS MEETING

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

ITEM 12 DRAFT INDIAN STANDARDS FOR FINALIZATION

12.1 Doc no. TED 18 (23917) ‘Small craft — Principal data (First Revision of IS 17469) (Identical adoption of ISO 8666:2020)

Doc no TED 18 (23917) [please see [annex 4 of the agenda](#)] was circulated as wide circulation draft for comments through portal on 23 10 2023. The document was also circulated vide mail dated 20 Nov 2023. Last date to send comments is 23 December 2023.

The Committee noted the information given in the agenda. The committee agreed that document may be finalized in consultation with the Chairman in case no technical comments/ inputs are received by the last date.

12.2 Doc no. TED 18 (23943) W ‘Small craft — Stability and buoyancy assessment and categorization — Part 1: Non-sailing boats of hull length greater than or equal to 6 m (First Revision of IS 17884 (Part 1) (Identical adoption of ISO 12217-1:2022)

Doc no TED 18 (23943) [please see [annex 5 of the agenda](#)] was circulated as wide circulation draft for comments through portal on 23 10 2023. The document was also circulated vide mail dated 20 Nov 2023. Last date to send comments is 23 December 2023.

The Committee noted the information given in the agenda. The committee agreed that document may be finalized in consultation with the Chairman in case no technical comments/inputs are received by the last date.

12.3 Doc no. TED 18 (23945) ‘Small craft — Stability and buoyancy assessment and categorization — Part 2: Sailing boats of hull length greater than or equal to 6 m (First Revision of IS 17884 (Part 2) (Identical adoption of ISO 12217-2:2022)

Doc no TED 18 (23945) [please see [annex 6 of the agenda](#)] was circulated as wide circulation draft for comments through portal on 23 10 2023. The document was also circulated vide mail dated 20 Nov 2023. Last date to send comments is 23 December 2023.

The Committee noted the information given in the agenda. The committee agreed that document may be finalized in consultation with the Chairman in case no technical comments/inputs are received by the last date.

12.4 Doc no. TED 18 (23949) ‘Small craft — Stability and buoyancy assessment and categorization — Part 3: Boats of hull length less than 6 m (First Revision of IS 17884 (Part 3) (Identical adoption of ISO 12217-3:2015)

Doc no TED 18 (23949) [please see [annex 7 of the agenda](#)] was circulated as wide circulation draft for comments through portal on 23 10 2023. The document was also circulated vide mail dated 20 Nov 2023. Last date to send comments is 23 December 2023.

The Committee noted the information given in the agenda. The committee agreed that document may be finalized in consultation with the Chairman in case no technical comments/inputs are received by the last date.

12.5 Doc no. TED 18 (23956) ‘Small craft — Fire protection (First Revision of IS 17470) (Identical adoption of ISO 9094:2022)

Doc no TED 18 (23956) [please see [annex 8 of the agenda](#)] was circulated as wide circulation draft for comments through portal on 23 10 2023. The document was also circulated vide mail dated 20 Nov 2023. Last date to send comments is 23 December 2023.

The Committee noted the information given in the agenda. The committee agreed that document may be finalized in consultation with the Chairman in case no technical comments/inputs are received by the last date.

12.6 Doc no. TED 18 (23959) ‘Small craft — Permanently installed petrol and diesel fuel tank (First Revision of IS 17471) (Identical adoption of ISO 21487:2022)

Doc no TED 18 (19639) [please see [annex 9 of the agenda](#)] was circulated as wide circulation draft for comments through portal on 23 10 2023. The document was also circulated vide mail dated 20 Nov 2023. Last date to send comments is 23 December 2023.

The Committee noted the information given in the agenda. The committee agreed that document may be finalized in consultation with the Chairman in case no technical comments/inputs are received by the last date.

ITEM 13 DRAFT INDIAN STANDARDS FOR APPROVAL FOR WIDE CIRCULATION

13.1 TED 18 (23620) Cutter suction dredge component — Specification Part 1 Cutter [First Revision of IS 10854 (Part 1)]

Doc no TED 18 (23620) was circulated as Preliminary draft vide mail dated 05 October 2023. Last date to send comments is 24 November 2023. No comments have been received.

The committee noted that Indian Standard has already been approved for research and development project. The committee approved the document for wide circulation.

13.2 TED 18 (23640) Cutter suction dredge component — Specification Part 2 Suction pipe [First Revision of IS 10854 (Part 2)]

Doc no TED 18 (23640) was circulated as Preliminary draft vide mail dated 05 October 2023. Last date to send comments is 24 November 2023. No comments have been received.

The committee noted that Indian Standard has already been approved for research and development project. The committee approved the document for wide circulation.

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

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

The committee noted that Indian Standard has already been approved for research and development project. The committee approved the document for wide circulation.

13.4 TED 18 (23656) Cutter suction dredge component — Specification Part 4 Spud [First Revision of IS 10854 (Part 4)]

Doc no TED 18 (23656) was circulated as Preliminary draft vide mail dated 05 October 2023. Last date to send comments is 24 November 2023. No comments have been received.

The committee noted that Indian Standard has already been approved for research and development project. The committee approved the document for wide circulation.

13.5 TED 18 (23660) Cutter suction dredge component — Specification Part 5 Cast spud point [First Revision of IS 10854 (Part 5)]

Doc no TED 18 (23660) was circulated as Preliminary draft vide mail dated 05 October 2023. Last date to send comments is 24 November 2023. No comments have been received.

The committee noted that Indian Standard has already been approved for research and development project. The committee approved the document for wide circulation.

13.6 TED 18 (23664) Cutter suction dredge component — Specification Part 6 Cast spud cylinder [First Revision of IS 10854 (Part 6)]

Doc no TED 18 (23664) was circulated as Preliminary draft vide mail dated 05 October 2023. Last date to send comments is 24 November 2023. No comments have been received.

The committee noted that Indian Standard has already been approved for research and development project. The committee approved the document for wide circulation.

ITEM 14 COMMENTS ON INDIAN STANDARDS

The committee noted the comments received on Indian Standards and decided as below:

Sl No	IS No	Title	Comments	Decision of the committee
1	IS 5269 : 1987	Specification for access hatches for inland vessels (First Revision)	Please see annex 10 of the agenda	The committee noted the comment and advised member secretary to take further necessary action.
2	IS 7363 : 1993	Inland vessels - Tests and trials for harbour tugs (First Revision)	Please see annex 11 of the agenda	The committee noted the comment and advised member secretary to take further necessary action in consultation with the Chairman.
3	IS 8013 : 1985	Specification for performance requirements and testing of marine diesel engines for fishing vessels (First Revision)	Please see annex 12 of the agenda	The committee was informed that ISO 8528 series of standard exists on the subject. The committee was informed that working draft was to be submitted by CIFT.

Sl No	IS No	Title	Comments	Decision of the committee
4	IS 10529 : 1983	Guidelines for estimation of engine power for small mechanized fishing boats	Please see annex 13 of the agenda	Shri M V Baiju informed that CIFT has prepared a document on the subject and he will forward the same to member secretary.
5	IS 10530 : 1983	Guidelines for selection of fish hold insulation	Please see annex 14 of the agenda	Shri M V Baiju informed that CIFT has prepared a document on the subject and he will forward the same to member secretary.
6	IS 12267 (Part 1) : 1987	Guidelines for stability for inland and harbour vessels Part 1 decked vessels	Please see annex 15 of the agenda	The committee noted the comment and advised member secretary to take further necessary action in consultation with the Chairman.

ITEM 15 TECHNICAL WORK PROGRAMME OF THE COMMITTEE

15.1 The committee noted the information provided in annex 16 of the agenda.

15.2 The committee noted the information provided in annex 17 of the agenda.

15.3 The committee noted the information given in annex 18 of the agenda. The committee after deliberations decided as below:

- a) The committee noted that the many of the Indian Standards given in annex 18 are assigned either to M/s Dredging Corporation of India or M/s Central Institute of Fisheries Technology or Inland Waterways Authority of India.
- b) The committee requested Dredging Corporation of India to send inputs on Indian Standards pertaining to them and advised member secretary to forward Indian Standard to them.
- c) The committee advised member secretary to follow up with Inland Waterways Authority of India for revised nomination and inputs on Indian Standards.
- d) Institute of Marine Engineer agreed to forward their inputs on IS 9882 (Part 1):1981.

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

15.5 Member secretary explained the format to review the Indian Standards, provided in annex 20 of the agenda, to committee members.

15.6 The Chairman explained 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 strategic road map of the committee will be circulated to committee member for their information. Inputs received will be deliberate in the next committee meeting.

15.7 The committee noted the information provided in annex 21 of the agenda. Member secretary agreed to forward the format to Shri Vishwanath Nagarajan.

ITEM 16 INTERNATIONAL ACTIVITIES

16.1 The committee noted the information given in the agenda. The committee agreed that India should become Participating member (P-member) in ISO TC 188 'Small Crafts' and sub-committee ISO/ TC 188/ SC 1 'Personal safety equipment'. The committee advised member secretary to take necessary action in this regard.

16.2 The committee noted the information given in the agenda. Member secretary requested that inputs on ISO documents may be sent in the early stage. Shri M.V. Baiju requested that document no ISO/ DIS 10239.2 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 criterion 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 22 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.

16.6 The committee noted the information provided in annex 23 of the agenda. The committee agreed that Indian Standards which are identical adoption of ISO Standards may be harmonized

with latest ISO Standard. The committee advised member secretary to take necessary action in this regard.

16.7 The committee noted the information provided in annex 24 of the agenda. The committee after deliberation agreed that:

- a) Inputs of users is important to know adoptability of ISO Standard in Indian context. Member secretary requested Shri Sanjeev Walia M/s Shipyard Association to forward information regarding users and also inputs on Indian Standard.
- b) The committee deliberated on Indian Standards (eight numbers) based on ISO 7608:1985. The Chairman observed that information may be sought from Inland Waterways Authority of India whether Indian Standards are referred in port reception facility requirements. He further noted that in case of river-sea vessels MARPOL requirements are also to be looked into since ISO Standard are very old. The committee noted that Inland Waterways Authority of India has come out with Inland Vessels rules specifying Life Saving Appliances, requirement of Sewage and oil pollution etc and agreed that Indian Standards may be harmonized with these rules. Institute Of Marine Engineers informed that they can do literature review covering ISO Standards, current Indian Standards and IWAI rules.

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 view point 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 information indicated in the agenda related to interaction with SDOs, training programme for committee members and technical initiative – standardization portal was noted.

Member secretary explained that standardization portal of BIS is operational now and in future all the correspondence/ communication, document circulation and interaction with committee member will take place through portal only. Member secretary requested all the committee members to login in the standardization portal and in case any problem is faced by them the same may be communicated to member secretary.

Member secretary agreed to again circulate mail regarding training programme.

ITEM 18 E-SALES OF STANDARDS

The committee noted the information given in the agenda.

ITEM 19 ANY OTHER BUSINESS

a) The committee noted that information given in agenda. The Chairman advised member secretary that Webinar/Seminar may be planned in January or February 2024 based on convenient dates of stake holders. A mail in this regarding may also be circulated. Committee member requested that memento, certificate from BIS should be given to speakers of the seminar.

b) The committee members agreed that meeting should be held on hybrid mode since participation of committee member is better. Many times committee member from academia are not able to attend the meeting due to academic session or exam.

c) Committee members also agreed that meeting should be scheduled in technical institute located at different places. The committee was informed that panel/working groups of Department of Science and Technology schedule their meetings in different IITs.

ITEM 20 DATE AND PLACE FOR THE NEXT MEETING

The committee agreed that next meeting may be scheduled in February in hybrids mode. Final date, venue and mode (physical/virtual) 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. He also thanked Institute of Marine Engineers for offering assistance and agreeing to forward inputs on Indian Standards to BIS. He also thanked Shipyard Association for offering to coordinate with shipyards and contribute as per needs of BIS. He also thanked Prof. Vishwanath Nagarajan and all the committee members for their inputs. The Chairman advised member secretary to again circulate 'Effective implementation of the process reforms' and 'Reform measures undertaken in the standardization process' through mail to all the committee members.

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