BUREAU OF INDIAN STANDARDS

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AGENDA

Name of the Committee	No. of Meeting	Date and Time	Day	Venue
Inland, Harbour Crafts and Fishing Vessels Sectional Committee, TED 18	Twenty Third Meeting	23 November 2023 10 30 AM	Thursday	Virtual Meeting

CHAIRMAN: Shri H V Ramesh **MEMBER SECRETARY:** Sharad Kumar

ITEM 0 GENERAL

0.1 Welcome by member secretary

0.2 Opening remarks by the Chairman

0.3 Adoption of the agenda.

ITEM 1 CONFIRMATION OF THE MINUTES OF LAST MEETING

1.1 The minutes of the last meeting of 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 may confirm the minutes.

ITEM 2 COMPOSITION OF THE SECTIONAL COMMITTEE

2.1 As a matter of policy the sectional committees is to be reconstituted every three years. The policy guidelines are:

a) Efforts shall be made to keep the strength of committee optimum;

b) Withdraw the nomination of the organizations who are continuing for long periods but are neither attending the committee meetings for the last three or more years nor contributing through correspondence/ mail;

c) Co-opt the new members and organizations whose inclusion will be helpful in the committee's work or which are capable of contributing in emerging new technologies and new areas of work;

d) Strength of the manufacturers should be restricted to 1/3rd of the total strength of the technical committee; and

e) NGOs where ever possible should also be co-opted.

The committee may please note.

2.2 The following directions have been received from the Competent Authority of the Bureau for reviewing the composition of the Sectional Committee:

a) Declaration to be signed by every committee member was circulated vide mail dated 06 October 2023.

b) Instructions received from DG, BIS for the effective implementation of the process reforms aimed at the strengthening of the standardization ecosystem in the country were circulated vide mail dated 09 October 2023.

c) Letter from DG, BIS regarding 'Reform measures undertaken in the standardization process' was circulated vide mail dated 16 November 2023.

The committee may please note.

2.3 The present composition of the Committee is given at annex 1 (page 18 - 20). The list shows the status of committee members as manufacturer, consumer, R&D etc and also attendance of the members in the last three consecutive meetings. Based on above guidelines the committee may review the present composition of the committee.

The committee may deliberate and decide on further continuation/ deletion of organizations from the committee composition and co-option of new organizations in the committee composition

2.4 The Committee may suggest means for identification and involvement of talent available in the country related to the subject dealt by the committee and methodology to involve them in the proceedings of the Committee. The Committee may also suggest means and ways to enhance the participation of the members in Committee work through participation in the meeting or sending comments on the documents.

ITEM 3 THE PRESENTATION ON THE PROCESS PERFORMS

Power-point presentation by member secretary to be given.

ITEM 4 ROLLING ACTION PLAN FOR THE YEAR 2023 - 2024

Please see annex 2 (page 22 – 28) attached.

ITEM 5 ANNUAL CALANDER OF MEETING 2023 – 2024

Tentative dates for meeting for the year 2023 – 2024 are given below.

1) Quarter 1 – 06 April 2023

2) Quarter 3 – 23 11 2023

3) Quarter 4 – Feb 2024

The committee may be also deliberate and approve.

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

Transport Engineering Department has identified following Indian Standards which can be taken up for study and research purposes.

S. No.	IS No./ Document No	Title	Scope & Relevance of research
1	IS 10854 (Part 1) : 1984	Specification for cutter suction dredge components Part 1 Cutter	**To study the latest technological advancements in cutter section dredging process and incorporate them in the standards.** The standards have already taken up for revision with following and document no. TED 18 (23620) TED 18 (23640) TED 18 (23644) TED 18 (23656) TED 18 (23660) TED 18 (23664)
2	IS 10854 (Part 2) : 1984	Specification for cutter suction dredge components Part 2 Suction pipe	
3	IS 10854 (Part 3) : 1984	Specification for cutter suction dredge components Part 3 Ladder	
4	IS 10854 (Part 4) : 1984	Specification for cutter suction dredge components Part 4 Spuds	
5	IS 10854 (Part 5) : 1993	Inland vessels - Cutter suction dredge components Part 5 Cast spud point - General requirements	
6	IS 10854 (Part 6) : 1993	Inland vessels - Cutter suction dredge components Part 6 Cast spud cylinder - General requirements	

Guidelines for research and development projects for formulation and review of standards have already been circulated vide mail dated 26 October 2023. Draft terms of reference are attached as annex 3 (page 29 – 32) of the agenda.

The committee may deliberate on the issue, give their inputs and approve terms of reference.

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

The committee may suggest ways and means to increase participation of Indian experts in ISO technical committees.

ITEM 8 NATIONAL AND INTERNATIONAL EVENTS TO BE PARTICIPATED ACTIVITIES

Following events was identified for participation.

Sl No.	EVENT TITLE	Details (Date and Place) of meeting
1	Global Maritime India Summit 2023	Oct-23, New Delhi

The committee may suggest other national and international events for participation.

ITEM 9 SCIENTIFIC JOURNALS AND PERIODICALS TO BE SUBSCRIBED

The following scientific journals and periodicals related to shipping sector have been identified for subscription to increase awareness and information.

1 The Naval Architect – The Royal Institution of Naval Architects
2 Shipping World and Shipbuilders – Shipping World Ltd., London
3 The Motor Ship – Mercator Media
4 Marine Engineer Review (MER) India
5 Society of Naval Architect and Marine Engineers (SNAME), USA

The committee may suggest other scientific journals and periodicals related to shipping sector which can be subscribed.

ITEM 10 CREATION OF POOL OF EXPERTS

The committee may suggest names of experts related to different product segments/ areas under the sectional committee who can contribute towards standardization/ give inputs or can be part of a panel/ working group formed to review and revise an Indian Standard/ group of Indian Standards.

The committee may please deliberate and suggest name of different experts.

ITEM 11 ACTIONS ARISING OUT OF THE PREVIOUS MEETING OF TED 18

The summary of actions taken on the decisions taken during the last meeting and present status of pending issues is given in Table 1 below:

Table 1

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	Mail dated 06 April 2022 was sent to Indian Register of Shipping seeking following information: a) Name of Licensing authority/ certification authority for harbour tugs. b) The details of M/s IRS documents specifying requirements of harbour tugs. 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. 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.	Mail dated 22 December 2022 was sent to the Chairman.
2.	Item 3, Table 1, sl no 2	Revision of IS 9860 (Pt 1): 1981 Specification for fishing hooks Part 1 Barbed hooks	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. Member secretary informed that preliminary draft, based on inputs received from Dr Leela Edwin is under preparation.	Preliminary draft is under preparation. IMO document is awaited from Shri S M Rai.

Sl. no.	Item no of minutes/ agenda	Subject	Decision of Committee in the last meeting	Present Status
			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. He agreed to forward the IMO document to member secretary.	
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	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. 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 discussed internally within IDEMA. Shri Karthik Sarma M/s IDEMA gave the presentation on the subject. 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. The committee proposed a panel of M/s IDEMA, Shri Rajeev Sharma M/s IIT and Shri M V	Inputs are yet to be received.

Sl. no.	Item no of minutes/ agenda	Subject	Decision of Committee in the last meeting	Present Status
			Baiju M/s CIFT to provide a working draft by the 23rd meeting of sectional committee.	
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)	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. As requested by Shri Rajeev Sharma in earlier meeting, the Indian Standard was forwarded to him vide mail dated 27 December 2021. 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 2022.	Indian Standard was forwarded to Shri Rajeev Sharma vide mail dated 22 December 2022. Inputs are yet to be received.
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)	Indian Standard is identical adoption of ISO 21:1985 however ISO 21:1985 has been withdrawn with effect from 29 07 2016. 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. 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. Indian Standard has been forwarded to Shri P R Govil vide mail dated 07 April 2022	Inputs from Shipyards are awaited.

Sl. no.	Item no of minutes/ agenda	Subject	Decision of Committee in the last meeting	Present Status
			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. Mail dated 22 December 2022 was sent to Shri P R Govil to follow up with shipyards for inputs.	
6.	Item 3, Table 1, sl no 20	Review of IS 11694 (Part 1): 1986 | ISO 7545: 1983 Specification for single-lock automatic couplings for push tows for inland navigation, Part 1 General requirements	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. 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. The committee advised member secretary to follow up with Inland Waterways Authority of India (IWAI) to update their nominations.	Inputs/ recommendations from IWAI are awaited.
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,	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.	Inputs/ recommendations from IWAI are awaited.

Sl. no.	Item no of minutes/ agenda	Subject	Decision of Committee in the last meeting	Present Status
		Part 2 Type A Couplings	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. The committee advised member secretary to follow up with Inland Waterways Authority of India (IWAI) to update their nominations.	

The committee may please consider, deliberate and decide further course of action on the pending issues.

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 (page 33 – 34)] 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.

Committee may please note that above document is identical adoption of ISO standard and as per ISO/ IEC Guide 21-1, no changes are permitted in the technical content/ structure.

The committee may please deliberate and decide further course of action.

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 (page 35- 39)] 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.

Committee may please note that above document is identical adoption of ISO standard and as per ISO/ IEC Guide 21-1, no changes are permitted in the technical content/ structure.

The committee may please deliberate and decide further course of action.

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 (page 40 – 44)] 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.

Committee may please note that above document is identical adoption of ISO standard and as per ISO/ IEC Guide 21-1, no changes are permitted in the technical content/ structure.

The committee may please deliberate and decide further course of action.

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 (page 45 – 49)] 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.

Committee may please note that above document is identical adoption of ISO standard and as per ISO/ IEC Guide 21-1, no changes are permitted in the technical content/ structure.

The committee may please deliberate and decide further course of action.

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 (page 50 – 54)] 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.

Committee may please note that above document is identical adoption of ISO standard and as per ISO/ IEC Guide 21-1, no changes are permitted in the technical content/ structure.

The committee may please deliberate and decide further course of action.

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 (page 55 – 58)] 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.

Committee may please note that above document is identical adoption of ISO standard and as per ISO/ IEC Guide 21-1, no changes are permitted in the technical content/ structure.

The committee may please deliberate and decide further course of action.

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 was 24 November 2023. No comments have been received.

The committee may please deliberate and decide further course of action.

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 was 24 November 2023. No comments have been received.

The committee may please deliberate and decide further course of action.

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 was 24 November 2023. No comments have been received.

The committee may please deliberate and decide further course of action.

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 was 24 November 2023. No comments have been received.

The committee may please deliberate and decide further course of action.

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 was 24 November 2023. No comments have been received.

The committee may please deliberate and decide further course of action.

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 was 24 November 2023. No comments have been received.

The committee may please deliberate and decide further course of action.

ITEM 14 COMMENTS ON INDIAN STANDARDS

Comments have been received on following Indian Standards:

Sl No	IS No	Title	Name of Commentor	Comments
1	IS 5269 : 1987	Specification for access hatches for inland vessels (First Revision)	Shahana K	Please see annex 10 (page 59)
2	IS 7363 : 1993	Inland vessels - Tests and trials for harbour tugs FIrst Revision	Shri Binod Kumar Sah / SHOFT SHIPYARD PVT LTD	Please see annex 11 (page 60 – 62)
3	IS 8013 : 1985	Specification for performance requirements and testing of marine diesel engines for fishing vessels (First Revision)	Shahana K	Please see annex 12 (page 63)
4	IS 10529 : 1983	Guidelines for estimation of engine power for small mechanized fishing boats	Dr. Baiju M.V Central Institute of Fisheries Technology	Please see annex 13 (page 64)
5	IS 10530 : 1983	Guidelines for selection of fish hold insulation	Dr. Baiju M.V Central Institute of Fisheries Technology	Please see annex 14 (page 65)
6	IS 12267 (Part 1) : 1987	Guidelines for stability for inland and harbour vessels Part 1 decked vessels	Shri Binod Kumar Sah / SHOFT SHIPYARD PVT LTD	Please see annex 15 (page 66 – 67)

The committee may please note.

ITEM 15 TECHNICAL WORK PROGRAMME OF THE COMMITTEE

15.1 The present program of work of Inland, Harbour Crafts and Fishing Vessels Sectional Committee, TED 18, is given as annex 16 (page 68 - 73) of the agenda.

15.2 The present position of work of TED 18 is given as annex 17 (page 74 - 75) of the agenda.

15.3 Competent authority has decided that all the Indian standards under the scope of the committee, which are published prior to year 2000, may be taken up for revision. The work may be completed at the earliest. The list of Indian Standards, to be taken for revision, is given as annex 18 (page 76 - 78).

15.4 As an ongoing activity, sectional committee reviews all the Indian Standard under its scope at least once in five years from date of publication/ last review. Circumstances may lead to an earlier review. While reviewing a standard, a committee has five options available:

a) *Reaffirmation* indicating continuing with current version of the standard without change;
b) *Amendment and reaffirmation* indicating continuing with current version of the standard after necessary changes to bring it up to date;
c) *Revision* involving the routine procedure for new project and reaffirm for time being;
d) *Declaration of obsolescence* indicating by amendment that the standard is not recommended for use in new equipment but needs to be retained to provide for the servicing of existing equipment that is expected to have a long working life;
e) *Withdrawal* indicating that the standard is no longer needed.

List of Indian Standards which are due for review in the year 2023 – 2024 is attached as annex 19 (page 79) of the agenda. The standards shall stand reaffirmed for a further period of five years if no comments are received.

15.5 Format to review Indian Standard with inputs of member secretary on the Indian Standard is given as annex 20 (page 80 - 84) of the agenda.

15.6 The Committee may deliberate and decide about its future plans and strategy to be adopted during the next 5 years aiming at contribution in related standardization activity at national and international level.

15.7 As per the latest policy and guidelines, before any new subject is taken up for formulation of national standard the following issues are to be examined by BIS.

a) Whether the subject is financed by the proposer;
b) Saleability of the standard;
c) Standards shall be user friendly; and
d) Social needs with regards to safety, health and environment.

Only after assessing the above aspects, it will be possible for BIS to consider the formulation of Indian standard. The proposal should essentially be taken in the prescribed Performa, as new work item as given as annex 21 (page 85 - 86).

The committee may please note and decide.

ITEM 16 INTERNATIONAL ACTIVITIES

16.1 BIS membership of ISO Technical Committees and subcommittees relevant to scope of Inland Harbour Crafts and Fishing Vessels Sectional Committee TED 18, are given below:

Sl No.	ISO Committee/ Sub Committee	TITLE	Type of membership	Details (Date and Place) of meeting
1	ISO TC 8	Shipbuilding and Marine Structure	P	No information
2	ISO/ TC 8/ SC 7	Inland Navigation Vessels	P	No information
3	ISO/ TC 8/ SC 11	Intermodal and Short Sea Shipping	P	No information
4	ISO/TC 188	Small Crafts	O	No information

The committee may please note.

16.2 Closer Examination of the New Work Items Proposals Received From ISO

Following new proposals have been received from ISO. The committee may please deliberate on participation.

COMMITTEE DRAFT

Committee / Working Group	DOC No.	Title
ISO/ TC 8	ISO/ CD 16259	Ships and marine technology — Performance test procedures of LNG BOG re-liquefaction system on board a ship

Draft International Standard

Committee / Working Group	DOC No.	Title
ISO/ TC 8/ SC 7	ISO/ DIS 28701	Ships and marine technology — Safety and sustainability management systems in commercial shipping on inland waterways — Requirements with guidance for use
ISO/ TC 188	ISO/ DIS 10239.2 (Ed 4)	Small craft — Liquefied petroleum gas (LPG) systems

16.3 The committee may review the ISO standards and categorize them as per following broad categories:

a. ISO Standards which can be directly adopted as Indian Standards without any change.

b. ISO standards which can be modified technically as per our country's needs and then adopted as Indian Standards.

c. ISO Standards which are not at all suitable for our country needs and may not be adopted at all.

The committee may please note and decide about taking up any international standard for adoption (Identical/ Modified) as Indian Standard.

16.4 The list of working groups/ panels with their titles under technical committee ISO/ TC 8 and its subcommittees ISO/ TC 8/ SC 7 and ISO/ TC 8/ SC 11 and technical committee ISO/ TC 188 is given as annex 22 (page 87 - 88).

16.5 Committee members who wish to participate in sub-committee/ working group meeting are requested to forward their names, indicating the field of their expertise, to sectional committee for consideration. After the due procedure they will be listed as experts in ISO global directory and contribute in international standardization work by participating in working group meetings.

16.6 The status of ISO Standards which have been adopted as identical by Inland Harbour Crafts and Fishing Vessels Sectional Committee TED 18 is given as annex 23 (page 89 - 90). It is recommended that Indian Standard may be taken up for revision and harmonized with latest version of ISO Standard wherever ISO Standards have been revised.

The committee may please note and decide about taking up any Indian Standard for revision which is identical adoption of ISO Standard.

16.7 The status of ISO Standards from which considerable assistance has been taken for formulation of Indian Standard under the scope of Inland Harbour Crafts and Fishing Vessels Sectional Committee TED 18 is given as annex 24 (page 91 - 92). It is recommended that Indian Standards may be taken up for revision and harmonized with latest version of ISO Standard.

The committee may please note and decide about taking up any Indian Standard for revision which has taken considerable assistance from ISO Standard and which has been revised.

16.8 India is receiving the New Work Item Proposals, Committee Draft, Draft International Standards and Finalized Draft International Standards etc. from ISO committees and sub-committees. Where ever India is `P' member, it is obligatory on the part of India to vote on all the proposals. Presently BIS circulates ISO documents/ proposals to all the committee members of TED 18 through Email for eliciting technical comments. It is very important to send feedback to safe guard the Indian interest. So it is requested to send feedback without fail at least on adopted ISO standards. Based on the feedback received from members, India's ballot is cast.

The committee may please note.

ITEM 17 NEW INITIATIVES

17.1 Interaction with Standard Developing Organizations

A number of Standard Developing Organizations (SDOs) under various Govt Departments exist which cater to the needs of specific sectors by developing standards. It has been identified that an effort may be made to adopt/ upgrade such standards developed by these SDOs as Indian Standards so as to avoid duplication of work. Under the scope of TEDC, Automotive Industry Standards Committee (AISC) and Central Motor Vehicle Rules – Technical Standing Committee (CMVR – TSC) is a SDOs working in the Automobile area similar to those of TEDC.

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The committee may please note

17.2 Training Programme for Technical Committee Members

As part of Interaction with technical committees and to speed up the standard formulation work and enhance quality of the standards formulated, training programmes are being conducted by BIS for members of technical committee in the standard formulation.

The next training programs are scheduled on December 01, December 08 and December 18 respectively. Information was circulated among committee members vide mail dated 17 November 2023.

The committee may note and cooperate

17.3 Technical Initiatives – Standardization Portal

In order to have a better overview and also use technology BIS has developed and installed Standardization software portal. It helps in electronic recording of data at different stages of standardization. Circulation of drafts and comments from committee members, programme of work, classification and cross referencing of standards has also been digitalized. Composition of technical committee with name of the organizations and the members nominated by them is continuously updated.

ITEM 18 E-SALES OF STANDARDS

BIS has launched e-sale of Indian Standards. Indigenous Indian Standards can be downloaded free from the link given below:

https://www.services.bis.gov.in:8071/php/BIS/PublishStandards/published

The committee may please note.

ITEM 19 ANY OTHER BUSINESS

a) Webinar on Increasing the use Indian Standards by Shipyards, Classification societies and regulatory maritime administration.

ITEM 20 DATE AND PLACE FOR THE NEXT MEETING

ANNEX 1
(*Item* 2.3)

COMPOSITION OF INLAND, HARBOUR CRAFTS AND FISHING VESSELS SECTIONAL COMMITTEE, TED 18

20th Meeting	**29 December 2021**	**Virtual**
21th Meeting	**15 July 2022**	**Virtual**
22st Meeting	**06 April 2023**	**Mumbai**

Sl. No.	Name of the Organization	Represented by Principal Member (Alternate Member)	Meetings				Status
			20th	21th	22st	Attendance	
1.	Indian Register of Shipping	Shri H.V. Ramesh (*CHAIRMAN*)	Y	Y	Y	3/3	G
2.	American Bureau of Shipping, Mumbai	Shri A. N. Das Shri Arnab Ghosh (Alt)	N	N	N	0/3	G
3.	Ashok Leyland Ltd.	Shri C. G. Belsare Shri Sumit Vyas (Alt)	N	N	N	0/3	I
4.	Central Institute of Fisheries Nautical and Engineering Training, Kochi	Shri Sunil B Rangari	N	N	N	0/3	G
5.	ICAR Central Institute of Fisheries Technology, Kochi	Dr. Leela Edwin Shri M.V. Baiju (Alt)	Y	Y	N	2/3	T
6.	Chowgule and Co Private Limited, Goa	P Chakrabarty Khrisler Mascarenhas (Alt) Shrikant Itagi (YP)					
7.	Cochin University of Science and Technology, Department of Ship Technology, Cochin	Dr. K. Shivaprasad Shri Anishkumar M N (Alt) Shri Sony T L (YP)	N	N	Y	1/3	T
8.	Cyriac Elias Voluntary Association (CEVA), Kochi	Fr. Varghese Kokkadan Dr. Antony Gregory (Alt)	N	N	N	0/3	CO
9.	Directorate General of Shipping, Mumbai	Shri J Senthil Kumar Shri Gopikrishna C (Alt)	N	N	N	0/3	G
10.	Directorate General of Quality Assurance	Shri Moninder Pal Singh Shri SM Bhosale					

11.	Directorate of Naval Architecture, Naval Headquarters, New Delhi	Shri Sujit Baxi Shri Pankaj Grover (Alt) Shri Himanshu Sharma (YP)	N	N	N	0/3	G
12.	Directorate of Naval Design, Naval Headquarters, New Delhi	Shri K.S.N. Kumar	N	Y	N	1/3	G
13.	Dredging Corporation of India Ltd, Vizag	Prof. G.Y.V. Victor Capt. S. Divakar (Alt) Shri Y.S.R. Murthy (YP)	N	N	N	0/3	OB
14.	Delhi Earth Station Space Applications Centre, Department of Space, New Delhi	Ms. Shahana K	Y	N	N	1/3	G
15.	Fine Finish Organics Pvt. Ltd., Mumbai	Shri G.S. Prabhu Ms. Karishma Prabhu (Alt) Ms. Sanyogeeta Pawar (YP)	Y	N	N	1/3	I
16.	Fishery Survey of India, Mumbai	Shri Shailendra Kumar Jaiswal	Y	Y	Y	3/3	OB
17.	Goa Glass Fibre Limited, Goa	Shri Nitin Pandurang Sonam Shri Emani Venkata Rama Krishna Shri Saji Sahadevan E					
18.	Goa Shipyard Ltd., Goa	Shri Santosh Kumar Singh Shri Dominic Cardoso (Alt)	N	N	N	0/3	I
19.	Indian Diesel Engine Manufacturers Association, (IDEMA)	Shri Arvind Ranganathan Shri Karthik Sarma (Alt)	Y	N	Y	2/3	I
20.	Indian Institute of Technology Madras, Chennai	Shri Rajiv Sharma Prof. S.K. Bhattacharya (Alt)	Y	N	N	1/3	T
21.	Indian Institute of Technology Kharagpur	Shri Vishwanath Nagarajan Prof. O.P. Sha (Alt)	Y	N	N	1/3	T
22.	Indian Maritime University (IMU), Visakhapatnam	Shri Sheeja Janardhanan Shri G.V.V. Pavan Kumar (Alt)	N	Y	N	1/3	T
23.	Indian Register of Shipping, Mumbai	Shri S. Renganathan Shri Vishal S. Bhosale (YP)	Y	N	N	1/3	G
24.	Inland Waterways Authority of India, Noida	Shri S.V.K. Reddy	Y	N	N	1/3	G
25.	Institute of Marine	Shri Sivaram Narayana Swami	Y	Y	Y	3/3	T

	Engineers (India), Mumbai	Shri Anand Mohan Mani (Alt)					
26.	Kerala Shipping and Inland Navigation Corporation Ltd., Kochi	Shri K.K. Abdul Gaffoor Shri K.R. Anoop Kumar (Alt)	N	Y	N	1/3	OB
27.	Kolkata Port Trust, Kolkata	Capt. A.K. Bagchi	N	Y	N	1/3	OB
28.	Lloyd's Register Asia, Mumbai	Shri C.R. Dash Shri Srikanth Saripaka (Alt)	N	N	N	1/3	G
29.	Mazagon Dock Ltd., Mumbai	Shri Biju George Shri Manoj R. Pai (Alt)	N	N	N	0/3	I
30.	Ministry of Ports, Shipping and Waterways, New Delhi	Shri Anil Pruthi Shri Ramji Singh (Alt)	Y	Y	Y	3/3	
31.	Raksha Polycoats Pvt. Ltd., Pune	Shri Abhijit Sarkar Shri Abhijit Andurkar (Alt)	N	Y	N	1/3	I
32.	Saertex India Pvt. Ltd., Pune	Ms. Deepa S Shri Milind Pande (Alt)	N	N	N	0/3	I
33.	Shipyards Association of India, New Delhi	Shri P. R. Govil	Y	N	N	1/3	I
34.	Shoft Shipyard Private Limited, Thane	Shri Binod Kumar Sah Shri P. Ganesh Kumar (Alt)	N	N	N	0/3	I
35.	Timblo Drydocks Pvt Ltd., Margao	Cdr. Subhash Mutreja Cdr. Raju Ganapathy (Alt)	N	N	N	0/3	I
36.	Titagarh Wagons Limited, Kolkata	Shri Vineet Shrivastava	N	Y	N	1/3	
37.	Vedam Design and Technical Consultancy Pvt. Ltd. Mumbai	Shri Paritosh Barui	Y	N	N	1/3	I
38.	In personal capacity	Shri S.M. Rai	N	N	N	0/3	E

Consumer (C)			Government/ Regulator (G)	Industry (I)	Individual Expert (E)	Scientific Bodies (T)	Laboratory (L)
OB	CO	IC					
4	2	0	11	15	0	6	0

ANNEX 2
(Item 4)

SNAP Implementation

S. No.	Technical Department	Technical Committee	Sector	Field	Subject	Priority	Action Plan
1.	TED	TED 17 and TED 18	Transportation including e-mobility	Marine	Battery used for marine propulsion in marine and Inland vessels	Medium	Standard formulation on safety aspect, performance and related parts/ components are to be identified. Subject to be discussed in the sectional committee meeting.
2.	TED	TED 17 and TED 18	Transportation including e-mobility	Marine	Clean energy transition in marine and Inland vessels	Low	Standard formulation on safety aspect, performance and related parts/ components are to be identified. Subject to be discussed in the sectional committee meeting.

SDG Mapping

S. No.	Technical Department	Technical Committee	IS no.	SDG (s) mapped	Subject	Wastage disposal addressed (Yes/No)	Action plan
1.	TED	TED 18	IS 4690 : 2013	To be mapped	Buoy shackles - Specification First Revision	To be identified	Indian standard to be revised in 2023 - 2024. SDG mapping to be identified during revision.
2.	TED	TED 18	IS 5269 : 1987	To be mapped	Specification for access hatches for inland vessels First Revision	To be identified	Indian standard to be reviewed in 2023 - 2024. SDG mapping to be identified during review.
3.	TED	TED 18	IS 7595 (Part 1) : 1975	To be mapped	General requirements for otter boards Part 1	To be identified	Indian standard to be reviewed in 2023 - 2024. SDG mapping to be identified during review.

S. No.	Technical Department	Technical Committee	IS no.	SDG (s) mapped	Subject	Wastage disposal addressed (Yes/No)	Action plan
					flat rectangular otter boards		
4.	TED	TED 18	IS 7595 (Part 2) : 1976	To be mapped	General requirements for otter boards Part 2 rectangular horizontally curved otter boards	To be identified	Indian standard to be reviewed in 2023 - 2024. SDG mapping to be identified during review.
5.	TED	TED 18	IS 7595 (Part 3) : 1977	To be mapped	General requirements for otter boards Part 3 oval otter boards	To be identified	Indian standard to be reviewed in 2023 - 2024. SDG mapping to be identified during review.
6.	TED	TED 18	IS 7595 (Part 5) : 1991	To be mapped	Fishing vessels - Otter boards Part 5 vee type otter boards	To be identified	Indian standard to be reviewed in 2023 - 2024. SDG mapping to be identified during review.
7.	TED	TED 18	IS 9496 (Part 1) : 1980	To be mapped	Specification for fishing floats Part 1 Aluminium alloy and glass floats	To be identified	Indian standard to be reviewed in 2023 - 2024. SDG mapping to be identified during review.
8.	TED	TED 18	IS 11474 : 1985	To be mapped	General requirements of power operated windlasses and anchor capstans for inland vessels	To be identified	Indian standard to be reviewed in 2023 - 2024. SDG mapping to be identified during review.
9.	TED	TED 18	IS 14171 : 1994	To be mapped	Inland vessels - Bellows for dredgers - Specification	To be identified	Indian standard to be reviewed in 2023 - 2024. SDG mapping to be identified during review.

Merging of ISS

S.no	Technical department	Technical committee	IS no. (s)	Tentative date	Action plan
NIL					

Prominent person/Awardee

S.no	Technical department	Technical committee	Area of work	Area of work	Plan of approach	Tentative date

Carried Forward from AAP 2022-23

S No.	Technical Department	Committees	Subject / IS	Total Timeline	Month and stage(s) to be completed			
					During 2023-24			
					P-Draft	WC-Draft	F-Draft	Publication
1.	TED	TED 18	IS 7595 (Part 1):1975 General requirements for otter boards, series of standards Part 1 Flat rectangular otter boards	24 months			Jun-23	Oct-23
2.	TED	TED 18	IS 7595 (Part 2):1976 General requirements for otter boards, series of standards Part 2 Rectangular horizontally curved otter boards	24 months			Jun-23	Oct-23
3.	TED	TED 18	IS 7595 (Part 3):1977 General requirements for otter boards, series of standards Part 3 Oval otter boards	24 months			Jun-23	Oct-23
4.	TED	TED 18	IS 7595 (Part 4):1986 General requirements for otter boards, series of standards Part 4 Application standard	24 months			Jun-23	Oct-23

S No.	Technical Department	Committees	Subject / IS	Total Timeline	Month and stage(s) to be completed			
					During 2023-24			
					P-Draft	WC-Draft	F-Draft	Publication
5.	TED	TED 18	IS 7595 (Part 5):1991 General requirements for otter boards, series of standards Part 5 Vee type otter boards	24 months			Jun-23	Oct-23
6.	TED	TED 18	IS 7595 (Part 6):1991 General requirements for otter boards, series of standards Part 6 Guidelines for selection	24 months			Jun-23	Oct-23
7.	TED	TED 18	IS 8820 (Part 1):Towing hooks Part 1: Scale of tractive efforts	24 months				Aug-23
8.	TED	TED 18	Fishing floats Part 1 High Density Polyethylene (HDPE) floats	24 months		Jul-23	Dec-23	Mar-24

Review of Pre 2000 Standards

S No.	Committee	Total Pre 2000 Standards	To be taken in 2023-24	To be Archive
1	TED 18	63	12	To be identified

Standard Due For Review In 2023-2024

S No.	Committee	Standard Due in 2023-2024
1	TED 18	11

New Standards to be taken up/ Already under progress

S No.	Technical Department	Committees	Subject / IS	Total Timeline
1	TED		NIL	

Revisions to be taken up/ already under process (excluding pre-2000/ due for review)

S No.	Technical Department	Committees	IS
1	TED	TED 18	IS 14546:2009
2			IS 17469 : 2020
3			IS 17470 : 2020
4			IS 17471 : 2020

S No.	Technical Department	Committees	IS
5			IS 17884 (Part 1) : 2022
6			IS 17884 (Part 2) : 2022
7			IS 17884 (Part 3) : 2022
8			IS 5326:2009

WEBINAR/SEMINAR TO BE ORGANIZED IN 2023-2024

S No.	Month and Year	Product / Product group	Thrust Areas(Target Group wise)	Target Group	Partnership
1	Oct-23	Small Crafts	Construction and Operation of small crafts	Manufacturers of Inland vessels and Fishing vessels	Central Institute of Fisheries Technology, Kochi
2	Dec-23	Indian Standards related to Transport Engg Deptt and other deptt like Metallurgical Deptt, Chemical Deptt etc	Increasing the use of Indian standards in rules/ regulations/ procedures of regulatory body and classification societies.	Shipyards, Ship-owners, Classification societies and Regulatory body	Directorate General of Shipping

ANNEX 3
(Item 6)

Terms of Reference

Research Project
on
Cutter Suction Dredge Components

Title	**:**	**Study of Cutter Suction Dredge Components**
Sectional Committee	**:**	**Inland Harbour Crafts and Fishing Vessels Sectional Committee, TED 18**
Division Council	**:**	**Transport Engineering Division Council**
Supervisor	**:**	**Member Secretary of TED 18**
Duty Station	**:**	**All over India**
Proposed Duration	**:**	**5 - 6 Months**

Introductory background:

Inland Harbour Crafts and Fishing Vessels Sectional Committee TED 18 under Transport Engineering Division Council of Bureau of Indian Standards (BIS) has identified 'Study of Cutter Suction Dredge Components' as a subject for research and development. The study will be useful to review and revise following Indian Standards:

1) IS 10854 (Part 1) : 1984 Specification for cutter suction dredge components Part 1 Cutter
2) IS 10854 (Part 2) : 1984 Specification for cutter suction dredge components Part 2 Suction pipe
3) IS 10854 (Part 3) : 1984 Specification for cutter suction dredge components Part 3 Ladder
4) IS 10854 (Part 4) : 1984 Specification for cutter suction dredge components Part 4 Spuds
5) IS 10854 (Part 5) : 1993 Inland vessels - Cutter suction dredge components Part 5 Cast spud point - General requirements
6) IS 10854 (Part 6) : 1993 Inland vessels - Cutter suction dredge components Part 6 Cast spud cylinder - General requirements

Dredging is the excavation of material from a water environment. Possible reasons for dredging may include improving existing water features; reshaping land and water features to

alter drainage, navigability, and commercial use; constructing dams, dikes, and other controls for streams and shorelines; and recovering valuable mineral deposits or marine life having commercial value.

The cutter suction dredger is a stationary dredger equipped with a cutter device (cutter head) which excavate the soil before it is sucked up by the flow of the dredge pump(s). During operation the dredger moves around a spud pole by pulling and slacking on the two fore sideline wires. The choice of the spud system plays an important part in the design of the cutter suction dredger. The spud system influences not only the layout of the pontoon, but also the efficiency of the cutter suction dredger. This type of dredger is capable to dredge all kind of material and is accurate due to their movement around the spud pole. The ladder, the construction upon which the cutter head, cutter drive and the suction pipe are mounted, is suspended by the pontoon and the ladder gantry wire.

Dredging has significant environmental impacts. It can disturb marine sediments, leading to both short- and long-term water pollution, destroy important seabed ecosystems, and can release legacy human-sourced toxins captured in the sediment. These environmental impacts can significantly hurt marine wildlife populations, contaminate sources of drinking water and interrupt economic activities such as fishing.

Proposed Scope of the Project

In order to take holistic view on the subject a study of current practices of cutter suction dredging in rivers, ports and ocean is required to be conducted. The study shall also cover discussion with dredging companies and class societies for requirements covered by them. The detailed discussion shall include current practices being used and developments expected in near future. A thorough literature review should also be done for existing international and national guidelines, regulatory stipulations and class society requirements. The project should cover visits at dredging sites based on discussion and information received from class societies and dredging companies. A comprehensive report documenting research findings, data collected and bibliography to be prepared which will be used to revise the aforementioned Indian Standards.

Objective

Considering the importance of the subject it is conceptualized by Inland Harbour Crafts and Fishing Vessels Sectional Committee, TED 18 to revise available Indian Standards on Cutter Suction Dredge Components through research and development work and data collection of current dredging practices, development made in development of new materials for cutter, ladder, suction pipe and spud system, development in respect of manufacturing processes of components, tests required and their testing methods and changes in other parameters

included in the current standards or incorporation of new parameters.

Methodology

1. A thorough literature review should be done for existing international and national guidelines, regulatory stipulations and class society requirements. Review of regulations which are to be enforced in near future may also be reviewed.

2. The project should cover visits to dredging companies for detailed discussion on current materials being used for components. The project should cover visits to dredging sites.

3. Report shall be prepared incorporating research findings, data collected and bibliography *as* per the deliverables of this project which will be used to revise the aforementioned Indian Standards.

Criteria for Identification of Proposer to conduct Research work

1. Infrastructure/ access to infrastructure for conducting research work.
2. Capabilities, experience, and competence in the field of dredging practices.
3. Proposer shall be a member of the Sectional Committee or the academic institution and universities having MoU with BIS.

Note: The acceptance of proposal is subjected to the approval of Sectional Committee and Screening Committee of BIS based on the above and BIS norms.

Deliverables

Considering the scope and objectives, the research shall be taken up by the proposer and prepare a report on the following deliverables based on research for incorporation in the revised standard:

1) Current cutter suction dredging practices;
2) Research done in development of new materials for components like cutter, ladder, spud system etc.;
3) Development related to manufacturing processes;
4) Tests required and their testing methods;
5) Changes in parameters included in the current standards; and
6) Any other parameter to be included in the revised standard, if any.

NOTE: *The proposer should collect and rely on the primary data to the extent possible and may also use peer reviewed publication data to support the finding, wherever necessary.*

Considering the above a comprehensive report shall be submitted by the proposer along with their recommendation and provide a report.

The proposer shall share the **detailed methodology** for research and study on above issues while submitting a proposal to the Shipbuilding Sectional Committee, TED 18.

A format for submission of proposal is attached for guidance*. After the approval of TED 18, the proposal of organisation would be put up to internal committee of BIS for final approval.*

\

Delivery Milestones and Review Process

1. Interim Report covering the review of the literatures and existing stipulations, thereof – within 2 months from the date of assignment received from BIS.

2. Report of site visits and reports of sample of thermal and acoustic materials collected – By end of 4 months from the date of issue of sanction letter by BIS.

3. Final report covering all the aspects of the ToR – By end of 5 months from the date of assignment received from BIS.

4. In case of delay in submission of final draft report, the justification shall be given by the project proposer for consideration by the Sectional Committee.

5. The proposer shall comply to the provisions given in the BIS guidelines for Research & Development Projects for Formulation and Review of Standards, i.e., D**oc no. SCMD/R&D Guidelines/20230909.**

6. The proposer taking up the project shall clear all doubts on provisions of research including ToR and BIS guidelines before acceptance of the project and signing agreement.

ANNEX 4
(Item 12.1)

Doc: TED 18 (23917) W
IS 17469 : XXXX
/ ISO 8666 : 2020

For comments only

भारतीय मानक का मसौदा

लघु पोत – मुख्य डेटा

(IS 17469 का प्रथम पुनरीक्षण**)**

Draft *Indian Standard*

Small Craft — Principal Data

(First Revision of IS 17469)

ICS 47.080

Not to be reproduced or used as a Standard without the permission of BIS	Last Date for comments **19 Dec 2023**

Inland Harbour Crafts and Fishing Vessels Sectional Committee, TED 18

NATIONAL FOREWORD

This draft Indian Standard (First Revision) which is identical with ISO 8666:2020 'Small craft — Principal data' issued by the International Organization for Standardization (ISO), will be adopted by the Bureau of Indian Standards on recommendation of the Inland Harbour Crafts and Fishing Vessels Sectional Committee and approval of the Transport Engineering Divisional Council.

This standard was first published in 2020 which was identical adoption of ISO 8666:2016. This first revision of the standard has been undertaken to harmonize it with ISO 8666:2020. The changes compared to the previous edition are as follows:

a) Addition of Clause 2, Normative references, and the renumbering of the remaining clauses; all cross-references have been accordingly updated;

b) The ‘allowance for the maximum mass of optional equipment and fittings not included in the manufacturer’s basic outfit’ has been moved from 6.6 (Maximum load, former 5.6) to 7.8 (Maximum load condition, former 6.8).

c) Hindi title of the standard has been modified.

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions and terminologies are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.

b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. The Bureau of Indian Standard shall not be held responsible for identifying any or all such patent rights.

SCOPE

This document establishes definitions of main dimensions and related data and of mass specifications and loading conditions. It applies to small craft having a length of the hull (L_H) of up to 24 m.

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 8666:2020 OR CONTACT:

P V Srikanth
Scientist ‘D’ and Head
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Bureau of Indian Standards
Email: ted@bis.org.in, hted@bis.org.in
Telefax: 011 – 2360 8370

ANNEX 5
(Item 12.2)

Doc: TED 18 (23943) W
IS 17884 (Part 1)
ISO 12217-1: 2022

For comments only

भारतीय मानक का मसौदा

लघु जलयान - स्थिरता तथा उत्प्लावकता मूल्यांकन और वर्गीकरण - भाग 1: 6 मीटर से अधिक या उसके बराबर पेटे की लंबाई वाली बिना पाल वाली नौकाएं

[IS 17884 (भाग1) का प्रथम पुनरीक्षण]

Draft *Indian Standard*

SMALL CRAFT — STABILITY AND BUOYANCY ASSESSMENT AND CATEGORIZTION PART 1: NON-SAILING BOATS OF HULL LENGTH GREATER THAN OR EQUAL TO 6 M

]First Revision of IS 17884 (Part 1)]

ICS 47.080

Not to be reproduced or used as a Standard without the permission of BIS	Last Date for comments **23 12 2023**

Inland Harbour Crafts and Fishing Vessels Sectional Committee, TED 18

NATIONAL FOREWORD

This draft Indian Standard which is identical with ISO 12217-1: 2022 ‘Small craft — Stability and buoyancy assessment and categorization — Part 1: Non-sailing boats of hull length greater than or equal to 6 m’ issued by International Organization for Standardization (ISO), shall be adopted by the Bureau of Indian Standards on the recommendations of the Inland Harbour Crafts and Fishing Vessels Sectional Committee and approval of the Transport Engineering Division Council.

This draft standard was first published in 2022 which was identical adoption of ISO 12217-1:2015. This first revision of the standard has been undertaken to harmonize it with ISO 12217-1:2022. The changes compared to the previous edition are as follows:

a) The Normative references have been updated;

b) The "allowance for the maximum mass of optional equipment and fittings not included in the manufacturer's basic outfit" has been moved from 3.4.4 (maximum load) to 3.4.5 (maximum load condition);

c) In Clause H.1, the first paragraph has been slightly reworded as a Note, so as to clearly make an informative reference to ISO 10240, which has been moved from Clause 2 to the Bibliography;

d) In Annex J, the calculation worksheet No. 1 has been corrected to reflect the changes in 3.4.4 and 3.4.5;

e) Minor editorial changes throughout the document.

This draft standard has been issued in several parts. Other parts in this series are:

Part 2 Sailing boats of hull length greater than or equal to 6 m

Part 3 Boats of hull length less than 6 m

The text of ISO Standard may be approved for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.

b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this draft standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the edition indicated:

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
ISO 2896:2001 Rigid cellular plastics — Determination of water absorption	IS 11239 (Part 9):1988 Methods of test for rigid cellular thermal insulation materials: Part 9 water absorption	Technically Equivalent to ISO 2896:1987
ISO 3864-1:2011 Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings	IS 16449 (Part 1):2018 Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings	Identical

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
ISO 8666:2020 Small craft — Principal data	IS 17469 Small craft — Principal data (*Under Revision*).	Identical
ISO 12217-2:2022 Small craft — Stability and buoyancy assessment and categorization — Part 2: Sailing boats of hull length greater than or equal to 6 m	IS 17884 (Part 2) Small craft — Stability and buoyancy assessment and categorization — Part 2: Sailing boats of hull length greater than or equal to 6 m (*Under Revision*)	Identical

The technical committee may also review the provisions of following International Standards referred in this draft standard and decide if these are acceptable for use in conjunction with this standard:

International Standard	*Title*
ISO 6185-4:2011	Inflatable boats — Part 4: Boats with a hull length of between 8 m and 24 m with a motor power rating of 15 kW and greater
ISO 9093	Small craft — Seacocks and through-hull fittings
ISO 11812	Small craft — Watertight cockpits and quick-draining cockpits
ISO 12216	Small craft — Windows, port lights, hatches, deadlights and doors — Strength and watertightness requirements
ISO 14946	Small craft — Maximum load capacity
ISO 15083	Small craft — Bilge-pumping systems
ISO 15085	Small craft — Man-overboard prevention and recovery

Attention is drawn to the possibility that some of the elements of this draft standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

Annex A, B, C, D, E, F, G and Annex H form normative part of this draft standard. Annex I, J and Annex K are for information only.

In reporting the result of a test or analysis made in accordance with this draft standard, if the final value, observed or calculated, is to be rounded off it shall be done in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'.

INTRODUCTION

This document enables the determination of the limiting environmental conditions for which an individual boat has been designed.
It enables the boat to be assigned to a design category appropriate to its design and maximum load. The design categories used align with those in the Recreational Craft Directive of the European Union, EU Directive 2013/53/EU.
The design category given in respect of stability and buoyancy is that for which the boat satisfies all the requirements according to 5.3, as summarized in Annex I.

SCOPE

This document specifies methods for evaluating the stability and buoyancy of intact (i.e. undamaged) boats. The flotation characteristics of boats susceptible to swamping are also encompassed.
The evaluation of stability and buoyancy properties using this document will enable the boat to be assigned to a design category (A, B, C or D) appropriate to its design and maximum total load.
This document is principally applicable to boats propelled by human or mechanical power of 6 m up to 24 m hull length. However, it can also be applied to boats of under 6 m if they do not attain the desired design category specified in ISO 12217-3 and they are decked and have quick-draining recesses which comply with ISO 11812.
In relation to habitable multihulls, this document includes assessment of susceptibility to inversion, definition of viable means of escape and requirements for inverted flotation.
This part of ISO 12217 excludes:

— Inflatable and rigid-inflatable boats covered by the ISO 6185 series, except for references made in ISO 6185 series to specific clauses of the ISO 12217 series;
— Personal watercraft covered by ISO 13590 and other similar powered craft;
— Gondolas and pedalos;
— Sailing surfboards;
— Surfboards, including powered surfboards;
— Hydrofoils and hovercraft when not operating in the displacement mode; and
— Submersibles.

NOTE Displacement mode means that the boat is only supported by hydrostatic forces.

It does not include or evaluate the effects on stability of towing, fishing, dredging or lifting operations, which need to be separately considered if appropriate.

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 12217-1: 2022 or CONTACT:

Scientist D & Head
Transport Engineering Department
New Delhi 110 002
Email: ted@bis.gov.in, hted@bis.gov.in
Tele: 011- 2360 8370

ANNEX 6
(Item 12.3)

Doc: TED 18 (23945) W
IS 17884 (Part 2)
ISO 12217-2: 2022

For comments only

भारतीय मानक का मसौदा

लघु जलयान - स्थिरता तथा उत्प्लावकता मूल्यांकन और वर्गीकरण - भाग 2: 6 मीटर से अधिक या उसके बराबर पेटे की लंबाई वाली पाल वाली नौकाएं

[IS 17884 (भाग 2) का प्रथम पुनरीक्षण]

Draft *Indian Standard*

SMALL CRAFT — STABILITY AND BUOYANCY ASSESSMENT AND CATEGORIZTION PART 2: SAILING BOATS OF HULL LENGTH GREATER THAN OR EQUAL TO 6 M

[First Revision of IS 17884 (Part 2)]

ICS 47.080

Not to be reproduced or used as a Standard without the permission of BIS	Last Date for comments **24 12 2023**

Inland Harbour Crafts and Fishing Vessels Sectional Committee, TED 18

NATIONAL FOREWORD

This draft Indian Standard which is identical with ISO 12217-2: 2015 ‘Small craft — Stability and buoyancy assessment and categorization — Part 2: Sailing boats of hull length greater than or equal to 6 m’ issued by International Organization for Standardization (ISO), shall be adopted by the Bureau of Indian Standards on the recommendations of the Inland Harbour Crafts and Fishing Vessels Sectional Committee and approval of the Transport Engineering Division Council.

This draft standard was first published in 2022 which was identical adoption of ISO 12217-2:2015. This first revision of the standard has been undertaken to harmonize it with ISO 12217-1:2022. The changes compared to the previous edition are as follows:

a) The Normative references have been updated;

b) The "allowance for the maximum mass of optional equipment and fittings not included in the manufacturer's basic outfit" has been moved from 3.5.4 (maximum load) to 3.5.5 (maximum load condition);

c) In Clause F.1, the first paragraph has been slightly reworded as a Note, so as to clearly make an informative reference to ISO 10240, which has been moved from Clause 2 to the Bibliography;

d) In Annex J, the calculation worksheet No. 1 has been corrected to reflect the changes in 3.5.4 and 3.5.5;

e) Minor editorial changes throughout the document.

This draft standard has been issued in several parts. Other parts in this series are:

Part 1 Non-sailing boats of hull length greater than or equal to 6 m

Part 3 Boats of hull length less than 6 m

The text of ISO Standard may be approved for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.

b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this draft standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the edition indicated:

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
ISO 2896:2001 Rigid cellular plastics — Determination of water absorption	IS 11239 (Part 9):1988 Methods of test for rigid cellular thermal insulation materials: Part 9 water absorption	Technically Equivalent to ISO 2896:1987

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
ISO 3864-1:2011 Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings	IS 16449 (Part 1):2018 Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings	Identical
ISO 8666:2020 Small craft — Principal data	IS 17469 Small craft — Principal data (*Under Revision*).	Identical
ISO 9094 Small craft — Fire protection	ISO 17470 Small craft — Fire protection (*Under Revision*)	Identical
ISO 12217-1:2022 Small craft — Stability and buoyancy assessment and categorization — Part 1: Non-sailing boats of hull length greater than or equal to 6 m	IS 17884 (Part 1) Small craft — Stability and buoyancy assessment and categorization — Part 1: Non-sailing boats of hull length greater than or equal to 6 m (*Under Revision*)	Identical

The technical committee may also review the provisions of following International Standards referred in this draft standard and decide if these are acceptable for use in conjunction with this standard:

International Standard	*Title*
ISO 9093	Small craft — Seacocks and through-hull fittings
ISO 11812	Small craft — Watertight cockpits and quick-draining cockpits
ISO 12216	Small craft — Windows, port lights, hatches, deadlights and doors — Strength and water tightness requirements
ISO 14946	Small craft — Maximum load capacity
ISO 15083	Small craft — Bilge-pumping systems

Attention is drawn to the possibility that some of the elements of this draft standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

Annex A, B, C, D, E, F, G and Annex H form a normative part of this draft standard. Annex I, J and Annex K are for information only.

In reporting the result of a test or analysis made in accordance with this draft standard, if the final value, observed or calculated, is to be rounded off it shall be done in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (*second revision*)’.

INTRODUCTION

This document enables the determination of limiting environmental conditions for which an individual boat has been designed.

It enables the boat to be assigned to a design category appropriate to its design and maximum load. The design categories used align with those in the Recreational Craft Directive of the European Union, EU Directive 2013/53/EU.

Annex J provides worksheets to assist in the systematic assessment of a boat according to this part of ISO 12217.

SCOPE

This document specifies methods for evaluating the stability and buoyancy of intact (i.e. undamaged) boats. The flotation characteristics of boats susceptible to swamping are also encompassed.

The evaluation of stability and buoyancy properties using this document will enable the boat to be assigned to a design category (A, B, C or D) appropriate to its design and maximum load.

This document is principally applicable to boats propelled primarily by sail (even if fitted with an auxiliary engine) of 6 m up to and including 24 m hull length. However, it can also be applied to boats less than 6 m if they are habitable multihulls or may be applied if they do not attain the desired design category specified in ISO 12217-3 and they are decked and have quick-draining recesses which comply with ISO 11812.

In relation to habitable multihulls, this document includes assessment of susceptibility to inversion, definition of viable means of escape and requirements for inverted flotation.

This document excludes:

— Inflatable and rigid-inflatable boats covered by ISO 6185 series, except for references made in ISO 6185 series to specific clauses of ISO 12217 series;
— Gondolas and pedalos;
— Surfboards including sailing surfboards; and
— Hydrofoils and foil stabilized boats when not operating in the displacement mode.

NOTE Displacement mode means that the boat is only supported by hydrostatic forces.

It does not include or evaluate the effects on stability of towing, fishing, dredging or lifting operations, which need to be separately considered if appropriate.

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 12217-2: 2022 or CONTACT:

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ANNEX 7
(Item 12.4)

Doc: TED 18 (23949) W
IS 17884 (Part 3)
ISO 12217-3: 2022

For comments only

भारतीय मानक का मसौदा

लघु जलयान - स्थिरता तथा उत्प्लावकता मूल्यांकन और वर्गीकरण - भाग 3: 6 मीटर से कम पेटे की लंबाई वाली नौकाएं

[IS 17884 (भाग 3) का प्रथम पुनरीक्षण]

Draft *Indian Standard*
SMALL CRAFT — STABILITY AND BUOYANCY ASSESSMENT AND CATEGORIZTION PART 3: BOATS OF HULL ENGTH LESS THAN 6 M
[First Revision of IS 17884 (Part 3)]

ICS 47.080

Not to be reproduced or used as a Standard without the permission of BIS	Last Date for comments **24 12 2023**

Inland Harbour Crafts and Fishing Vessels Sectional Committee, TED 18

NATIONAL FOREWORD

This draft Indian Standard which is identical with ISO 12217-3: 2022 ‘Small craft — Stability and buoyancy assessment and categorization — Part 3: Boats of hull length less than 6 m’ issued by International Organization for Standardization (ISO), will be adopted by the Bureau of Indian Standards on the recommendations of the Inland Harbour Crafts and Fishing Vessels Sectional Committee and approval of the Transport Engineering Division Council.

This draft standard was first published in 2022 which was identical adoption of ISO 12217-3:2015. This first revision of the standard has been undertaken to harmonize it with ISO 12217-3:2022. The changes compared to the previous edition are as follows:

a) The Normative references have been updated;

b) The "allowance for the maximum mass of optional equipment and fittings not included in the manufacturer's basic outfit" has been moved from 3.3.3 (maximum load) to 3.3.4 (maximum load condition);

c) In Clause F.1, the first paragraph has been slightly reworded as a Note, so as to clearly make an informative reference to ISO 10240, which has been moved from Clause 2 to the Bibliography;

d) In Annex H, the calculation worksheet No. 1 has been corrected to reflect the changes in 3.3.3 and 3.3.4;

e) Minor editorial changes throughout the document.

This draft standard has been issued in several parts. Other parts in this series are:

Part 1 Non-sailing boats of hull length greater than or equal to 6 m

Part 2 Sailing boats of hull length greater than or equal to 6 m

The text of ISO Standard may be approved for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.

b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this draft standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the edition indicated:

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
ISO 2896:2001 Rigid cellular plastics — Determination of water absorption	IS 11239 (Part 9):1988 Methods of test for rigid cellular thermal insulation materials: Part 9 water absorption	Technically Equivalent to ISO 2896:1987

ISO 3864-1:2011 Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings	IS 16449 (Part 1):2018 Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings	Identical
ISO 8666:2020 Small craft — Principal data	IS 17469 Small craft — Principal data (*Under Revision*).	Identical
ISO 12217-1:2022 Small craft — Stability and buoyancy assessment and categorization — Part 1: Non-sailing boats of hull length greater than or equal to 6 m	IS 17884 (Part 1) Small craft — Stability and buoyancy assessment and categorization — Part 1: Non-sailing boats of hull length greater than or equal to 6 m (*Under Revision*)	Identical
ISO 12217-2:2022 Small craft — Stability and buoyancy assessment and categorization — Part 2: Sailing boats of hull length greater than or equal to 6 m	IS 17884 (Part 2) Small craft — Stability and buoyancy assessment and categorization — Part 2: Sailing boats of hull length greater than or equal to 6 m (*Under Revision*)	Identical

The technical committee may also review the provisions of following International Standards referred in this draft standard and decide if these are acceptable for use in conjunction with this standard:

International Standard	*Title*
ISO 9093	Small craft — Seacocks and through-hull fittings
ISO 11812	Small craft — Watertight cockpits and quick-draining cockpits
ISO 12216	Small craft — Windows, port lights, hatches, deadlights and doors — Strength and water tightness requirements
ISO 14946	Small craft — Maximum load capacity
ISO 15083	Small craft — Bilge-pumping systems
ISO 15085	Small craft — Man-overboard prevention and recovery

Attention is drawn to the possibility that some of the elements of this draft standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

Annex A, B, C, D, E and Annex F form a normative part of this standard. Annex G, H and Annex I are for information only.

In reporting the result of a test or analysis made in accordance with this draft standard, if the final value, observed or calculated, is to be rounded off it shall be done in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (*second revision*)’.

INTRODUCTION

This document enables the determination of the limiting environmental conditions to be determined for which an individual boat has been designed.

It enables the boat to be assigned to a design category appropriate to its design and maximum load. The design categories used align with those in the Recreational Craft Directive of the European Union, EU Directive 2013/53/EU.

Annex H provides worksheets to assist in the systematic assessment of a boat according to this document.

SCOPE

This document specifies methods for evaluating the stability and buoyancy of intact (i.e. undamaged) boats. The flotation characteristics of craft susceptible to swamping are also encompassed.

The evaluation of stability and buoyancy properties using this document will enable the boat to be assigned to a design category (C or D) appropriate to its design and maximum load.

This document is applicable to boats of hull length less than 6 m, whether propelled by human or mechanical power, except habitable sailing multihulls. Boats of hull length less than 6 m which are fitted with a full deck and quick-draining cockpit(s) complying with ISO 11812 may alternatively be assessed using ISO 12217-1 or ISO 12217-2 (for non-sailing and sailing boats, respectively), in which case higher design categories may be assigned.

In relation to habitable multihulls, this document includes assessment of susceptibility to inversion, definition of viable means of escape and requirements for inverted flotation.

This document excludes:

— Inflatable and rigid-inflatable boats covered by ISO 6185 series, except for references made

in ISO 6185 series to specific clauses of ISO 12217 series;

— Personal watercraft covered by ISO 13590 and other similar powered craft;
— Aquatic toys;
— Canoes and kayaks;
— Gondolas and pedalos;
— Sailing surfboards;
— Surfboards, including powered surfboards;
— Hydrofoils, foil stabilized boats and hovercraft when not operating in the displacement mode; and
— Submersibles.

NOTE Displacement mode means that the boat is only supported by hydrostatic forces.

It does not include or evaluate the effects on stability of towing, fishing, dredging or lifting operations, which need to be separately considered if appropriate.

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 12217-3:2022 or CONTACT:

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ANNEX 8
(Item 12.5)

Doc No.: TED 18 (23956) W
IS 17470 : XXXX/
ISO 9094: 2022

For comments only

भारतीय मानक का मसौदा

लघु पोत – अग्नि सुरक्षा

(IS 17470 का प्रथम पुनरीक्षण)

Draft *Indian Standard*

Small Craft — Fire Protection

(First Revision of IS 17470)

ICS 47.080

Not to be reproduced or used as a Standard without the permission of BIS	Last Date for comments **24 Dec 2023**

Inland Harbour Crafts and Fishing Vessels Sectional Committee, TED 18

NATIONAL FOREWORD

This draft Indian Standard (First Revision) which is identical with ISO 9094 : 2022 'Small craft — Fire protection' issued by the International Organization for Standardization (ISO), will be adopted by the Bureau of Indian Standards on recommendation of the Inland Harbour Crafts and Fishing Vessels Sectional Committee and approval of the Transport Engineering Divisional Council.

This draft standard was first published in 2020 which was identical adoption of ISO 9094:2015. This first revision of the standard has been undertaken to harmonize it with ISO 9094:2022. The changes compared to the previous edition are as follows:

a) 'Engine compartment' definition (3.3) has been updated;

b) 'Fire resistant' definition (3.21) has been added;

c) Pitch angle up to 15° for all craft to prevent cooking devices from sliding off the stove, in 4.1.1, has been updated;

d) Pitch and heel angles in 4.2.1 have been updated;

e) Requirements for protection from open flame in 4.2.2 have been updated;

f) Table 1 to expand the understanding of zone protection has been updated;

g) Clarification for fire escape routes in 6.1 has been added;

h) Table 2, 'Protection of the engine(s) and engine compartments', has been updated;

j) The requirements for portable fire extinguisher locations have been updated (see 7.5);

k) The asphyxiant medium from fixed fire extinguishing systems has been removed (see 7.6);

m) Clause 8, "Displayed information", has been updated;

n) The Bibliography has been updated.

The text of ISO Standard may be approved as suitable for publication as an Indian Standard without deviations. Certain conventions and terminologies are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.

b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this draft standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the edition indicated:

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
ISO 4589-3:2017 Plastics — Determination of burning behaviour by oxygen index — Part 3: Elevated temperature test	IS 13360 (Part 6/ Sec 20) : 2019 Plastics — Method of testing: Part 6 Thermal properties, Section 20 Flammability of oxygen index — Elevated temperature test (First Revision)	Identical
ISO 7165:2017 Firefighting Portable fire extinguishers — Performance and construction	IS 15683 : 2018 Portable fire extinguishers — Performance and construction — Specification (First Revision	Technically Modified to 2009 version
ISO 21487 Small Craft - Permanently Installed Petrol and Diesel Fuel Tanks	IS 17471 Small Craft - Permanently Installed Petrol and Diesel Fuel Tanks (*Under Revision*)	Identical

The technical committee may also review the provisions of following International Standards referred in this draft standard and decide if these are acceptable for use in conjunction with this draft standard:

International Standard/ Other Publication	*Title*
ISO 8846:1990	Small craft — Electrical devices — Protection against ignition of surrounding flammable gases
ISO 10088	Small craft — Permanently installed fuel systems
ISO 10239:2014	Small craft — Liquefied Petroleum gas (LPG) systems
ISO 11105:2020	Ventilation of petrol engine and/ or petrol tank compartments
ISO 12216	Small craft — Windows, portlights, hatches, deadlights and doors — Strength and water-tightness requirements
ISO 13297	Small craft — Electrical systems — Alternating and direct current installations

ISO 14895:2016	Small craft — Liquid-fuelled galley stoves and heating appliances
ISO 16315	Small craft ─ Electric propulsion system
IEC 60092-507:2014	Electrical installations in ships — Part 507: Small vessels
EN 3-7: 2004+A1: 2007	Portable fire extinguishers – Part 7: Characteristics, performance requirements and test methods
EN 1869: 2019	Fire blankets
EN 15609:2021	LPG equipment and accessories — LPG propulsion systems for boats, yachts and other craft

Attention is drawn to the possibility that some of the elements of this draft standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

Annex A forms normative part of this draft standard. Annex B and Annex C is for information only.

In reporting the result of a test or analysis made in accordance with this draft standard, if the final value, observed or calculated, is to be rounded off it shall be done in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'.

INTRODUCTION

This document covers the prevention of fire and the protection of life in case of fire on small craft.

It is intended to ensure that the design and layout of the craft and the type of equipment installed minimize the risk and spread of fire and that every habitable craft is provided with viable means of escape in the event of fire.

The requirements in this document may not be effective against some battery chemistries (for example Lithium based products). Battery manufacturers should be consulted for appropriate methods of fire suppression.

SCOPE

This document defines a practical degree of fire prevention and protection intended to provide enough time for occupants to escape a fire on board small craft.

It applies to all small craft having a length of the hull (L_H) of up to 24 m except for personal watercraft.

This document does not cover:

— The design and installation of permanently installed galley stoves and heating appliances (including components used to distribute the heat) using fuels that are liquid at atmospheric pressure on small craft, which are covered by ISO 14895:2016;

— Carbon monoxide detecting systems, which are covered by ISO 12133.

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 9094 : 2022 OR CONTACT:

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ANNEX 9
(Item 12.6)

Doc No.: TED 18 (23959) W
IS 17471: XXXX/
ISO 21487: 2022

For comments only

भारतीय मानक का मसौदा

लघु पोत – स्थायी रूप से संस्थापित पेट्रोल एवं डीजल ईंधन टैंक

(IS 17471 का प्रथम पुनरीक्षण**)**

Draft *Indian Standard*

Small Craft — Permanently installed petrol and diesel fuel tank

(First Revision of IS 17471)

ICS 47.080

Not to be reproduced or used as a Standard without the permission of BIS	Last Date for comments **24 Dec 2023**

Inland Harbour Crafts and Fishing Vessels Sectional Committee, TED 18

NATIONAL FOREWORD

This draft Indian Standard (First Revision) which is identical with ISO 21487 : 2022 'Small craft — Permanently installed petrol and diesel fuel tank' issued by the International Organization for Standardization (ISO), will be adopted by the Bureau of Indian Standards on recommendation of the Inland Harbour Crafts and Fishing Vessels Sectional Committee and approval of the Transport Engineering Divisional Council.

This draft standard was first published in 2020 which was identical adoption of ISO 21487:2012. This first revision of the standard has been undertaken to harmonize it with ISO 21487:2022. The changes compared to the previous edition are as follows:

a) Introduction has been added to explain the addition of Annex A;

b) Scope has been amended to include installation of fuel tanks;

c) Some definitions have been updated;

d) Clause 4 has been updated, in particular 4.2, 4.3.9 and 4.4.1;

e) Sub-clause 5.2 has been updated and Table 2 has been introduced for tests;

f) Sub-clause 6.2 has been redrafted;

g) Clause 7 has been revised;

h) Annex A has been added, which provides a permeation test to determine the evaporative emissions from non-metallic tanks; and

j) Hindi title of the standard has been updated.

The text of ISO Standard may be approved as suitable for publication as an Indian Standard without deviations. Certain conventions and terminologies are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.

b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice
is to use a point (.) as the decimal marker.

In this draft standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the edition indicated:

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
ISO 12215-6:2008 Small craft — Hull construction and scantlings — Part 6: Structural arrangements and details	IS 16183 (Part 6):2020 Small craft — Hull construction and scantlings — Part 6: Structural arrangements and details	Identical

The technical committee may also review the provisions of following International Standards referred in this draft standard and decide if these are acceptable for use in conjunction with this draft standard:

International Standard/	*Title*

Other Publication	
ISO 10088	Small craft — Permanently installed fuel systems
ISO 12215-5:2019	Small craft — Hull construction and scantlings — Part 5: Design pressures for monohulls, design stresses, scantlings determination

Attention is drawn to the possibility that some of the elements of this draft standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

Annex A is for information only.

The draft standard also makes a reference to BIS Certification Marking of the product. Details of which are given in National Annex A.

In reporting the result of a test or analysis made in accordance with this draft standard, if the final value, observed or calculated, is to be rounded off it shall be done in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

INTRODUCTION

This document provides requirements for the design, installation and testing of permanently installed fuel tanks for small craft.

Some countries have environmental controls for evaporative emissions from petrol fuel systems.
Annex A describes the limits and test procedures for the control of evaporative emissions from permanently installed petrol fuel tanks. The details in Annex A allow for future standardization and application of evaporative emissions on small craft.

As the international community further restricts fuel system emissions, it is anticipated that Annex A will have increased global acceptance.

SCOPE

This document specifies requirements for the design, installation and testing of petrol and diesel fuel tanks for internal combustion engines, that are intended to be permanently installed in small craft.

NATIONAL ANNEX A
(*National Foreword*)

A-1 BIS CERTIFICATION MARKING

The product may also be marked with the Standard Mark.

A-1.1 The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act*, 2016 and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 21487: 2022 OR CONTACT:

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ANNEX 10
(Item 14, Sl no 1)

COMMENTS RECEIVED ON **IS 5269 : 1987 'SPECIFICATION FOR ACCESS HATCHES FOR INLAND VESSELS (FIRST REVISION)'**

1. IS 2-1960 should be referred to as IS2: 2022 RULES FOR ROUNDING OFF NUMERICAL VALUES (Second Revision).

2. ISO 9203-2:1989 for Topology of ship hull structure elements to been reviewed for any points ISO 15401:2000 This International Standard specifies the quality requirements for the hull construction of steel bulk carriers. Refer to https:intlreg.orgwp-contentuploads201904Part-03-Hull-Structures.pdf in this regard.

ANNEX 11
(Item 14, sl no 2)

COMMENTS RECEIVED ON IS 7363: 1993 INLAND VESSELS - TESTS AND TRIALS FOR HARBOUR TUGS (FIRST REVISION)

NAME OF THE COMMENTATOR/ORGANIZATION: _BINOD KUMAR SAH / SHOFT SHIPYARD PVT LTD

Sl. No.	Clause/ Sub-clause/ para/ table/ fig. No. commented	Type of Comments (General/ Editorial/ Technical)	Justification	Proposed change
1	7.1 (a)	Technical	The subject standard specifies that **sea trials for Main Engine is to be carried out for six hours at continuous rated BHP complete with fluid couplings, gear boxes and controls**. The sea trials for main engine is normally carried out for four hours by shipyards at continuous rated BHP and same is acceptable to Classification Societies. IRS main rule Jul-2022, part-4 , chapter-4, Table 4.12.5.1 refers in this regard.	Hence it is proposed that this clause may be changed as follows to bring it in line with acceptable practice being followed in shipyard. "**Sea trials for Main Engine is to be carried out for at least four hours at continuous rated BHP complete with fluid couplings, gear boxes and controls.**
2	7.1 (b)	Technical	The subject standard specifies that **sea trials for Main Engine is to be carried out for one hour at 10 percent overload immediately following eight hours test**. The sea trials for main engine is normally aimed to carry out for half an hour at 10 percent overload condition	Hence it is proposed it may be changed as follows to bring it in line with acceptable practice being followed in shipyard. **Sea trials for main Engine is to be carried out for half an hour at 10 percent overload immediately following four hours test if engine adjustment permits**.

Sl. No.	Clause/ Sub-clause/ para/ table/ fig. No. commented	Type of Comments (General/ Editorial/ Technical)	Justification	Proposed change
			if engine adjustment permits. This is acceptable to class. IRS main rule Jul-2022, part-4 chapter-4, Table 4.12.5.1 refers in this regard.	
3	7.6(a)	Technical	The subject standard specifies as follows:- a) Lower starboard anchor to water line and let go four lengths of cables (110 m) using the hand brake. Normally minimum three length of cables (82.5 m) in stead of four lengths are acceptable to classification societies and trial is done accordingly. IRS main rule Jul-2022, part-3 , chapter-15, Para 7.5.2.4 refers in this regard.	Hence it is proposed to modify it as follows to bring it in line with Class and practice being followed in shipyard. a) Lower starboard anchor to water line and let go at least three lengths of cables (82.5 m) using the hand brake with anchor submerged and hanging free using the hand brake.
4	7.6(b)	Technical	The subject standard specifies as follows:- b) Lower port anchor to water line and let go four lengths of cables (110 m) using the hand brake. Normally minimum three length of cables (82.5 m) in stead of four lengths are acceptable to classification societies and trial is done accordingly. IRS main rule Jul-2022, part-3 , chapter-	Hence it is proposed to modify it as follows to bring it in line with Class and practice being followed in shipyard. b) Lower port anchor to water line and let go at least three lengths of cables (82.5 m) with anchor submerged and hanging free using the hand brake.

Sl. No.	Clause/ Sub-clause/ para/ table/ fig. No. commented	Type of Comments (General/ Editorial/ Technical)	Justification	Proposed change
			15, Para 7.5.2.4 refers in this regard.	
5	7.4 Manoeuvring and Turning Trials	Technical	The subject para specifies that **Turning circle diameter shall not exceed two and a half lengths**. It is noted neither any international rule / guidance nor in general tug building specification specifies such requirement of achieving turning circle diameter of less than two and a half lengths. IMO guidelines specifies in general for bigger ships a tactical diameter requirement of less than five ship lengths.	Hence it is opined to remove this line of "**Turning circle diameter shall not exceed two and a half lengths"** from this para.

ANNEX 12
(Item 14, sl no 3)

COMMENTS RECEIVED ON IS 8013: 1985 SPECIFICATION FOR PERFORMANCE REQUIREMENTS AND TESTING OF MARINE DIESEL ENGINES FOR FISHING VESSELS (FIRST REVISION)

1. ISO 8528: 2018 ISO 3046-1 Reciprocating internal combustion engines- Performance - Part 1: Declarations of power, fuel and lubricating oil consumptions, and test Methods- Additional Requirements for Engines for General Use.

2. ISO 8528-2 Reciprocating internal combustion engine driven alternating current generator sets - Part 2: Engine

ANNEX 13
(Item 14, sl no 4)

COMMENTS RECEIVED ON IS 10529:1983 GUIDELINES FOR ESTIMATION OF ENGINE POWER FOR SMALL MECHANIZED FISHING BOATS

Sir,

This standard can be accepted without any modification

Actually the marine engines need standard and not the power estimation method.

Dr. Baiju.M.V
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ANNEX 14
(Item 14, sl no 5)

COMMENTS RECEIVED ON 10530- 1983 GUIDELINES FOR SELECTION OF FISH HOLD INSULATION

NAME OF THE COMMENTATOR/ ORGANIZATION: Dr. Baiju. M.V Senior Scientist & Naval Architect ICAR-CIFT

Sl. No.	Clause/ Sub-clause/ para/ table/ fig. No. commented	Type of Comments (General/ Editorial/ Technical)	Justification	Proposed change
3.1	The Cork, mineral wool, glass wool, expanded ebonite and expanded synthetic foams –the materials described in this standards are very old and no one is using them	Presently Poly Urethene Foam (PUF) is used as insulant	This standard is very old. Needs upgradation	Insulation using PUF needs to be prepared.

ANNEX 15
(Item 14 sl no 6)

COMMENTS RECEIVED ON 12267(Part 1) - 1987 GUIDELINES FOR STABILITY FOR INLAND AND HARBOUR VESSELS Part 1 DECKED VESSELS

1. Doc. No.: __ IS 12267 (Part 1) : 1987_____ TITLE: Guidelines For Stability For Inland and Harbour Vessels: Part 1 Decked Vessels

_____

LAST DATE OF COMMENTS: __ **21-03-2023**_____

NAME OF THE COMMENTATOR/ ORGANIZATION: __Binod Kumar Sah / Shoft Shipyard Pvt

Sl. No.	Clause/ Sub-clause/ para/ table/ fig. No. commented	Type of Comments (General/ Editorial/ Technical)	Justification	Proposed change
1	Para-4.2 *Metacentric Height*	Technical	Subject guidelines states that metacentric height in any case shall be not less than 0.15 m. Effect of free surface correction is not explicitly mentioned in above statement. Hence it is opined that effect of free surface correction be included in above requirement for more clarity.	It is proposed that it may be changed it as follows. Metacentric Height- The metacentric height (in meters) shall be adequate for intended services; however, it shall, in any case, be not less than 0.15 m after free surface correction. Note:- Further it may be noted that for River Sea Vessel (RSV) type vessels, in general minimum initial metacentric height (GMo) should not be less than 0.3 m according to DG Shipping order no. 18 of 2013 and for Fishing vessels initial minimum metacentric height requirement

Sl. No.	Clause/ Sub-clause/ para/ table/ fig. No. commented	Type of Comments (General/ Editorial/ Technical)	Justification	Proposed change
				as per IMO is 0.35 m. Inland vessels are also permitted to in coastal water under certain conditions. For container loading vessels (Group A vessel of subject standard) European requirement (2006/87/EC) for inland vessel metacentric height requirement is 0.5 m. In view of above it is opined that value of initial metacentric height of 0.15 m along with other parameters may be reviewed so that it is in conformity of national/international authorities requirements for such vessels or alternatively this guidelines may be withdrawn as it appears it will hardly serve any purpose when designing ships for inland or harbour vessels. It may also be noted that IRS has got a stability requirement document for inland passenger vessel (Nov-2017).

ANNEX 16
(Item 15.1)

TED 18 INLAND, HARBOUR CRAFTS AND FISHING VESSELS SECTIONAL COMMITTEE

SCOPE Standardization of hull and deck fittings for inland vessels dredgers, tugs, hopper barges, launches, water barges and constructional practices, performance requirements, trials, machinery and equipments for fishing vessels and trawlers.

Co-ordination of work with ISO/TC 188 & ISO/TC 8 and its relevant sub-committees.

STANDARDS PUBLISHED

S. No	IS Number / ISO Number	Title	Reaffirm Year	Amend No.
1.	IS 4647 : 1998	Inland vessels - Detachable steel ladder - Specification First Revision	July, 2018	-
2.	IS 4659 : 1980 | ISO 3652:1975	Specification for wire rope reel for inland vessels First Revision	March, 2018	-
3.	IS 4690 : 2013	Buoy shackles - Specification First Revision	September, 2018	-
4.	IS 5269 : 1987	Specification for access hatches for inland vessels First Revision	November, 2018	-
5.	IS 7046 : 1993	Inland vessels - Harbour tugs - Guide for selection First Revision	March, 2018	-
6.	IS 7048 : 2006 / ISO 5778:1998	Ships and marine technology - Small weathertight steel hatches Second Revision	February, 2022	-
7.	IS 7363 : 1993	Inland vessels - Tests and trials for harbour tugs FIrst Revision	March, 2018	-
8.	IS 7595 (Part 1) : 1975	General requirements for otter boards Part 1 flat rectangular otter boards	February, 2022	1
9.	IS 7595 (Part 2) : 1976	General requirements for otter boards Part 2 rectangular horizontally curved otter boards	February, 2022	-
10.	IS 7595 (Part 3) : 1977	General requirements for otter boards Part 3 oval otter boards	February, 2022	-
11.	IS 7595 (Part 4) : 1986	General requirements for otter boards Part 4 application standard	February, 2022	-
12.	IS 7595 (Part 5) : 1991	Fishing vessels - Otter boards Part 5 vee type otter boards	February, 2022	-

S. No	IS Number / ISO Number	Title	Reaffirm Year	Amend No.
13.	IS 7595 (Part 6) : 1991	Fishing vesseli - 2 otter boards Part 6 guidelines for selection	February, 2022	-
14.	IS 8013 : 1985	Specification for performance requirements and testing of marine diesel engines for fishing vessels First Revision	January, 2021	-
15.	IS 8373 (Part 1) : 1991	Steel launches - Specification Part 1 single hull passenger ferry launches First Revision	February, 2022	-
16.	IS 8509 (Part 1) : 1977	Code of practice for tests and trials of dredgers Part 1 self - Propelled trai - Ling hopper suction dredgers	March, 2018	-
17.	IS 8820 (Part 1) : 1978 | ISO 3786:1975	Specification for towing hooks Part 1 scale of tractive efforts	January, 2021	-
18.	IS 9496 (Part 1) : 1980	Specification for fishing floats Part 1 aluminium alloy and glass floats	February, 2022	-
19.	IS 9860 (Part 1) : 1981	Specification for fishing hooks Part 1 barbed hooks	February, 2022	-
20.	IS 9871 : 1993	Inland vessels - Wooden hatch covers - Specification First Revision	October, 2018	-
21.	IS 9882 (Part 1) : 1981 | ISO 4089:1979	Specification for sealing rubber for covers for cargo hatches Part 1 dry cargo hatches	March, 2018	-
22.	IS 10199 : 1982	Acceptance tests and trials for fishing vessels	March, 2018	-
23.	IS 10227 : 1997 | ISO 6115:1988	Fishing vessels - Trawl winches - Specification First Revision	March, 2018	-
24.	IS 10526 : 1996 | ISO 3935:1977	Inlandvessels - Fire - Fighting watersystem - Pressures First Revision	February, 2022	-
25.	IS 10527 : 1983 | ISO 3948:1977	Specificatcon for pressure ranges for compressed air system for inland vessels	March, 2018	-
26.	IS 10529 : 1983	Guidelines for estimation of engine power for small mechanized fishing boats	March, 2018	-
27.	IS 10530 : 1983	Guidelines for selection of fish hold insulation	March, 2018	-
28.	IS 10854 (Part 1) : 1984	Specification - For cutter suction dredge components Part 1 cutter	January, 2021	-
29.	IS 10854 (Part 2) : 1984	Spew ication for cutter suction dredge components Part 2 suction pipe	January, 2021	-
30.	IS 10854 (Part 3) : 1984	Specification for cutter suction dredge components Part 3 ladder	January, 2021	-
31.	IS 10854 (Part 4) : 1984	Specification for cutter suction dredge components Part 4 spuds	November, 2018	-
32.	IS 10854 (Part 5) : 1993	Inlandvessels - Cutter suction dredge components Part 5 cast spud point - General requirements	September, 2018	-

S. No	IS Number / ISO Number	Title	Reaffirm Year	Amend No.
33.	IS 10854 (Part 6) : 1993	Inland vessels - Cutter suction dredge components Part 6 cast spud cylinder - General requirements	July, 2018	-
34.	IS 10855 : 1984	Specification for bucket capacities for multi - Bucket dredgers	November, 2018	-
35.	IS 10858 : 1984 | ISO 6217:1982	Identification painting and inscription code for pilot craft	January, 2021	-
36.	IS 10862 : 1984	Classification and basic requirements of pilot craft	March, 2021	-
37.	IS 10868 : 1984	Data sheet for reverse direct reduction gear box for fishing vessels	November, 2018	1
38.	IS 11253 : 1985 | ISO 4085:1979	Specification for swing derricks	January, 2021	-
39.	IS 11294 (Part 1) : 1985	Specification for side scuttles for inland vessels Part 1 general requirements	January, 2021	-
40.	IS 11339 : 1985 | ISO 3926:1980	Dimensions for couplings for oil and fuel reception for inland vessels	February, 2022	-
41.	IS 11474 : 1985 | ISO 6219:1983	General requirements of power operated windlasses and anchor capstans for inland vessels	January, 2021	-
42.	IS 11693 : 2006 / ISO 21:1985	ShmwjiLdiNg - Inland navigation - Cable - Lifters for stud - Link anchor chains First Revision	February, 2022	-
43.	IS 11694 (Part 1) : 1986 | ISO 7545:1983	Specification for single - Lock automatic couplings for push tows for inland navigation Part 1 general requirements	February, 2022	-
44.	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	February, 2022	-
45.	IS 11694 (Part 3) : 1986 | ISO 7545:1983	Specification for single - Lock automatic couplings for push tows for inland navigation Part 3 type 6 couplings	February, 2022	-
46.	IS 11823 (Part 1) : 1986 | ISO 7608:1985	Specification for couplings for disposal of oily mixture for inland vessels Part 1 flange couplings	February, 2022	-
47.	IS 11823 (Part 2) : 1986 | ISO 7608:1985	Specification for couplings for disposal of oily mixture for inland vessels Part 2 quick release couplings	February, 2022	-
48.	IS 11823 (Part 3) : 1986 | ISO 7608:1985	Specification for couplings for disposal of oily mixture for inland vessels Part 3 adapters Flange end Piece	February, 2022	-

S. No	IS Number / ISO Number	Title	Reaffirm Year	Amend No.
49.	IS 11823 (Part 4) : 1986 | ISO 7608:1985	Specification - For couplings for disposal of oily mixtures for inland vessels Part 4 adapters Flange bush	February, 2022	-
50.	IS 12115 (Part 1) : 1987 | ISO 7608:1985	Specification for couplings for disposal of sewage water for inland vessels Part 1 flange coupling	January, 2018	-
51.	IS 12115 (Part 2) : 1987 | ISO 7608:1985	Specification for couplings for disposal of sewage water for inland vessels Part 2 quick - Release couplings	January, 2018	-
52.	IS 12115 (Part 3) : 1987 | ISO 7608:1985	Specification for couplings for disposal of sewage water for inland vessels Part 3 adapters Flange end Piece	January, 2018	-
53.	IS 12115 (Part 4) : 1987 | ISO 7608:1985	Specification for couplings for disposal of sewage water for inland vessels Part 4 adapters Flange bush	May, 2018	-
54.	IS 12133 : 1987	Glossary of terms and definitions for dredgers	March, 2018	-
55.	IS 12134 : 1987	Classification of dredgers	March, 2018	-
56.	IS 12267 (Part 1) : 1987	Guidelines for stability for inland and harbour vessels Part 1 decked vessels	March, 2018	-
57.	IS 12963 : 1990	Inland vessels - Dredgers - Floaters - Specification	January, 2021	1
58.	IS 13004 (Part 1) : 1990 | ISO 4127(Pt 1):1979	Inland vessels - Fairleads - Specification Part 1 two - Lip fairleads	January, 2021	-
59.	IS 13004 (Part 2) : 1990 | ISO 4127(Pt 2):1980	Inland vessels - Fairleads - Specification Part 2 roller fairleads	January, 2021	1
60.	IS 13804 : 1993	Inland vessels - Sheaves for dredgers - Dimensions	March, 2018	-
61.	IS 13848 : 1993	Inland vessels - Rubber fenders - Specification	March, 2018	-
62.	IS 14171 : 1994	Inland vessels - Bellows for dredgers - Specification	November, 2018	-
63.	IS 14238 : 1995	Inland vessels - Selection of rubber fendbrs for berthing structures code of practice	February, 2020	-
64.	IS 14449 : 1997 | ISO 7606:1988	Inland vessels - Draught scale - Specification	March, 2018	-
65.	IS 14545 : 2011 ISO 6218:2005	Inland navigation vessels - Manually operated coupling devices for push tows - Safety requirements and main dimensions First Revision	October, 2019	-
66.	IS 14546 : 2009 / ISO 2922:2000	Acoustics - Measurement of airborne sound emitted by vessels on inland waterways and harbours First Revision	October, 2019	-
67.	IS 14646 : 1999	Shipbuilding - Mooring buoy - Specification	March, 2018	-

S. No	IS Number / ISO Number	Title	Reaffirm Year	Amend No.
68.	IS 14762 : 1999	Fishing vessels - Selection of propeller shafts for mechanized fishing boats - Guidelines	December, 2019	-
69.	IS 14919 : 2001 | ISO 4001:1977	Inland vessels - Raft - Type life - Saving apparatus - General requirements	February, 2022	-
70.	IS 16183 (Part 1) : 2023 / ISO 12215-1:2000	Small craft - Hull construction and scantlings Part 1 Materials: Thermosetting resins, glass-fibre reinforcement, reference laminate		
71.	IS 16183 (Part 2) : 2015 / ISO 12215-2:2002	Small craft - Hull construction and scantlings Part 2 Materials core materials for sandwich construction embedded materials	July, 2020	-
72.	IS 16183 (Part 3) : 2014 / ISO 12215-3:2002	Small craft - Hull construction and scantlings Part 3 materials steel aluminium alloys wood other materials	May, 2019	-
73.	IS 16183 (Part 4) : 2020 / ISO 12215-4:2002	Small Craft Hull Construction and Scantlings Part 4 Workshop and Manufacturing		-
74.	IS 16183 (Part 6) : 2020 / ISO 12215-6:2008	Small Craft Hull Construction and Scantlings Part 6 Structural Arrangements and Details		-
75.	IS 16183 (Part 8) : 2020 / ISO 12215-8:2009	Small Craft Hull Construction and Scantlings Part 8 Rudders		-
76.	IS 16183 (Part 9) : 2020 / ISO 12215-9:2012	Small craft Hull construction and scantlings Part 9 Sailing Craft Appendages		-
77.	IS 17469 : 2020 / ISO 8666:2016	Small Craft Principal Data		-
78.	IS 17470 : 2020 / ISO 9094:2015	Small Craft - Fire Protection		-
79.	IS 17471 : 2020 / ISO 21487:2012	Small Craft - Permanently Installed Petrol and Diesel Fuel Tanks		-
80.	IS 17884 (Part 1) : 2022 / ISO 12217-1:2015	Small craft - Stability and buoyancy assessment and categorization - Part 1 Non-sailing boats of hull length greater than or equal to 6 m		-
81.	IS 17884 (Part 2) : 2022 / ISO 12217-2:2015	Small craft - Stability and buoyancy assessment and categorization - Part 2 Sailing boats of hull length greater than or equal to 6 m		-
82.	IS 17884 (Part 3) : 2022 / ISO 12217-3:2015	Small craft - Stability and buoyancy assessment and categorization - Part 3 Boats of hull length less than 6 m		-
83.	IS 17952 (Part 1) : 2022 / ISO 6185-1:2001	Inflatable boats - Part 1 Boats with a maximum motor power rating of 4 5 kW		-
84.	IS 17952 (Part 2) : 2022 / ISO 6185-2:2001	Inflatable boats Part 2 Boats with a maximum motor power rating of 4 5 kW to 15 kW inclusive		-

S. No	IS Number / ISO Number	Title	Reaffirm Year	Amend No.
85.	IS 17952 (Part 3) : 2022 / ISO 6185-3:2014	Inflatable boats Part 3 Boats with a hull length less than 8 m with a motor rating of 15 kW and greater		-

ANNEX 17
(*Item* 15.2)

POSITION OF WORK

FINALISED DRAFTS

S. No.	Doc. Number	Title
1.	TED 18 (17087)	Towing Hooks Part 1 Scale of Tractive Efforts (Revision of IS 8820:1978)
2.	TED 18 (19336)	Acoustics - Measurement of airborne sound emitted by vessels on inland waterways and harbours (Second Revision of IS 14546) (Identical adoption of ISO 2922:2020)
3.	TED 18 (19633)	General requirements for otter boards - Part 1 Flat rectangular otter boards (Revision of: IS 7595:1975)
4.	TED 18 (19635)	General requirements for otter boards - Part 2 Rectangular horizontally curved otter boards (Revision of: IS 7595:1976)
5.	TED 18 (19636)	General requirements for otter boards - Part 3 Oval otter boards (Revision of: IS 7595:1977)
6.	TED 18 (19638)	General requirements for otter boards - Part 4 Application standard (Revision of: IS 7595:1986)
7.	TED 18 (19639)	Fishing vessels - Otter boards - Part 5 Vee type otter boards (Revision of: IS 7595:1991)
8.	TED 18 (19642)	Fishing vessels - Otter boards - Part 6 Guidelines for selection (Revision of: IS 7595:1991)

WIDE CIRCULATION DRAFTS

S. No.	Doc. Number	Title
1	TED 18 (21060)	Acceptance tests and trials for fishing vessels (First Revision of IS 10199)
2	TED 18 (21883)	Plastic Fishing Floats – Specification (First Revision of IS 9496)
3	TED 18 (23917)	Small Craft - Principal Data (First Revision of IS 17469) (Identical adoption of ISO 8666:2020)
4	TED 18 (23943)	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)
5	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)
6	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 12217-3:2022)

S. No.	Doc. Number	Title
7	TED 18 (23956)	Small Craft - Fire Protection (First Revision of IS 17470) (Identical adoption of ISO 9094:2022)
8	TED 18 (23959)	Small Craft - Permanently Installed Petrol and Diesel Fuel Tanks (First Revision of IS 17471) (Identical adoption of ISO 21487:2022)

PRELIMINARY DRAFT

S. No.	Doc. Number	Title
1.	TED 18 (21120)	Power operated windlasses and anchor capstans for inland vessels General requirements (Revision of: IS 11474: 1985)
2.	TED 18 (23620)	Cutter suction dredge components - Specification Part 1 Cutter [First Revision of IS 10854 (Part 1)]
3.	TED 18 (23640)	Cutter suction dredge components - Specification Part 2 Suction pipe [First Revision of IS 10854 (Part 2)]
4.	TED 18 (23644)	Cutter suction dredge components - Specification Part 3 Ladder [First Revision of IS 10854 (Part 3)]
5.	TED 18 (23656)	Cutter suction dredge components - Specification Part 4 Spuds [First Revision of IS 10854 (Part 4)]
6.	TED 18 (23660)	Cutter suction dredge components - Specification Part 5 Cast spud point - General requirements [First Revision of IS 10854 (Part 5)]
7.	TED 18 (23664)	Cutter suction dredge components - Specification Part 6 Cast spud cylinder - General requirements [First Revision of IS 10854 (Part 6)]

ANNEX 18
(*Item* 15.3)

LIST OF INDIAN STANDARDS PUBLISHED PRIOR TO YEAR 2000 WHICH ARE TO BE REVISED/ WITHDRAWN during 2023 – 2024.

S. No.	IS Number / ISO Number	Title	WORK TO PROVIDE INPUTS/ RECOMMENDATIONS ASSIGNED
1	IS 4659:1980 | ISO 3652:1975	Wire rope reel for inland vessels (First Revision)	Inputs/ recommendations to be provided by member secretary.
2	IS 5269:1987	Specification for access hatches for inland vessels (First Revision)	Shipyard Association agreed to take the Indian Standard with M/s A C Roy & Co. to provide inputs/ recommendations.
3	IS 7046:1993	Inland vessels - Harbour tugs - Guide for selection (First Revision)	Further action to be taken up in consultation with the Chairman.
4	IS 7363:1993	Inland vessels - Test and trials for harbour tugs (First Revision)	Comments received from Shoft Shipyard. Further action to be taken up in consultation with the Chairman.
5	IS 8013:1985	Specification for performance requirements and testing of marine diesel engines for fishing vessels (First Revision)	Work to provide inputs/ recommendations already assigned to panel having members from Central Institute of Fisheries Technology, Indian Diesel Engine Manufacturers Association and member secretary.
6	IS 8373 (Part 1):1991	Specification for steel launches Part 1 Single hull passenger ferry launches (First Revision)	Work to provide inputs/ recommendations already assigned to Shri Rajeev Sharma.
7	IS 8509 (Part 1):1977	Code of practice for tests and trials of dredgers Part 1 Self-propelled trailing hopper suction dredgers	Inputs/ recommendations to be provided by M/s Dredging Corporation of India
8	IS 9882 (Part 1):1981 | ISO 4089:1979	Specification for sealing rubber for covers of cargo hatches, Part 1 Dry cargo hatches	The committee assigned the Indian Standard to Shri Anand Mohan Mani M/s Institute of Marine Engineers.
9	IS 10227:1997 | ISO 6115:1988	Fishing vessels - Trawl winches – Specification (First Revision)	Inputs/ recommendations to be provided by Central Institute of Fisheries Technology

S. No.	IS Number / ISO Number	Title	WORK TO PROVIDE INPUTS/ RECOMMENDATIONS ASSIGNED
10	IS 10529:1983	Guidelines for estimation of engine power for small mechanized fishing boats	Inputs/ recommendations to be provided by Central Institute of Fisheries Technology
11	IS 10530:1983	Guidelines for selection of fish hold insulation	**Comments received from Central Institute of Fisheries Technology**
12	IS 10855:1984	Specification for bucket capacities for multi-bucket dredgers	The committee agreed that work to provide inputs may be assigned to Dredging Corporation of India.
13	IS 10868:1984	Data sheet for reverse/direct reduction gear box for fishing vessels	Inputs/ recommendations to be provided by Central Institute of Fisheries Technology
14	IS 11823 (Part 1):1986 | ISO 7608:1985	Specification for couplings for disposal of oily mixture for inland vessels Part 1 Flange couplings	The committee agreed that subject may be taken up with Inland Waterways Authority of India for inputs.
15	IS 11823 (Part 2):1986 | ISO 7608:1985	Specification for couplings for disposal of oily mixture for inland vessels Part 2 Quick release	The committee agreed that subject may be taken up with Inland Waterways Authority of India for inputs.
16	IS 11823 (Part 3):1986 | ISO 7608:1985	Specification for couplings for disposal of oily mixture for inland vessels Part 3 Adapters (Flange/ End Piece)	The committee agreed that subject may be taken up with Inland Waterways Authority of India for inputs.
17	IS 11823 (Part 4):1986 | ISO 7608:1985	Specification for couplings for disposal of oily mixture for inland vessels Part 4 Adapters (Flange/ Bush)	The committee agreed that subject may be taken up with Inland Waterways Authority of India for inputs.
18	IS 12115 (Part 1):1987 | ISO 7608:1985	Specification for couplings for disposal of sewage water for inland vessels Part 1 Flange couplings	The committee agreed that subject may be taken up with Inland Waterways Authority of India for inputs.
19	IS 12115 (Part 2):1987 | ISO 7608:1985	Specification for couplings for disposal of sewage water for inland vessels Part 2 Quick release couplings	The committee agreed that subject may be taken up with Inland Waterways Authority of India for inputs.
20	IS 12115 (Part 3):1987 | ISO 7608:1985	Specification for couplings for disposal of sewage water for inland vessels Part 3 Adapters (Flange/ End Piece)	The committee agreed that subject may be taken up with Inland Waterways Authority of India for inputs.
21	IS 12115 (Part 4):1987 | ISO 7608:1985	Specification for couplings for disposal of sewage water for inland vessels Part 4 Adapters (Flange/ Bush)	The committee agreed that subject may be taken up with Inland Waterways Authority of India for inputs.

S. No.	IS Number / ISO Number	Title	WORK TO PROVIDE INPUTS/ RECOMMENDATIONS ASSIGNED
22	IS 12133:1987	Glossary of terms and definitions for dredgers	The committee agreed that work to provide inputs may be assigned to Dredging Corporation of India
23	IS 12134:1987	Classification for dredgers	The committee agreed that work to provide inputs may be assigned to Dredging Corporation of India
24	IS 12267 (Part 1):1987	Guidelines for stability for inland and harbour vessels, Part 1 Decked vessels	**Comments received from Shoft Shipyard.**
25	IS 12963:1990	Inland vessels - Dredgers floaters - Specification	The committee agreed that work to provide inputs may be assigned to Dredging Corporation of India
26	IS14171:1994	Inland vessels - Bellows for dredgers – Specification	The committee agreed that work to provide inputs may be assigned to Dredging Corporation of India
27	IS 14762:1999	Fishing vessels - Selection of propeller shafts for mechanized fishing boats – Guidelines	Inputs/ recommendations to be provided by Central Institute of Fisheries Technology

ANNEX 19
(*Item* 15.4)

LIST OF INDIAN STANDARDS TO BE REVIEWED BY THE TECHNICAL COMMITTEE DURING THE YEAR 2023 – 2024

S. No	IS Number / ISO Number	Title	Reaffirm Year
1.	IS 4647 : 1998	Inland vessels - Detachable steel ladder - Specification First Revision	July, 2018
2.	IS 4690 : 2013	Buoy shackles - Specification First Revision	September, 2018
3.	IS 5269 : 1987	Specification for access hatches for inland vessels First Revision	November, 2018
4.	IS 9871 : 1993	Inland vessels - Wooden hatch covers - Specification First Revision	October, 2018
5.	IS 10854 (Part 4) : 1984	Specification for cutter suction dredge components Part 4 spuds	November, 2018
6.	IS 10854 (Part 5) : 1993	Inland vessels - Cutter suction dredge components Part 5 cast spud point - General requirements	September, 2018
7.	IS 10854 (Part 6) : 1993	Inland vessels - Cutter suction dredge components Part 6 cast spud cylinder - General requirements	July, 2018
8.	IS 10855 : 1984	Specification for bucket capacities for multi - Bucket dredgers	November, 2018
9.	IS 10868 : 1984	Data sheet for reverse direct reduction gear box for fishing vessels	November, 2018
10.	IS 12115 (Part 4) : 1987 | ISO 7608:1985	Specification for couplings for disposal of sewage water for inland vessels Part 4 adapters Flange bush	May, 2018
11.	IS 14171 : 1994	Inland vessels - Bellows for dredgers - Specification	November, 2018

ANNEX 20
(Item 15.5)

REVIEW ANALYSIS OF INDIAN STANDARD
(To be submitted to the Sectional Committee)

2. **Sectional Committee No. & Title:** TED 18 Inland, Harbour Crafts and Fishing Vessels

3. **IS No:** IS 4659 : 1980

4. **Title in English:** Wire Rope Reel For Inland Vessels (First Revision)

5. **Date of review:** 03-08-2021

6. **Review Analysis**

i) Amendment to be incorporated, if any:

ii) Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.

Standard (No. & Title)	**Whether the standard has since been revised**	**Major changes**	**Action proposed**
ISO 3652-1975 Shipbuilding – Inland vessels – Rope reels	No, This version remains valid.		

iii) Status of standards referred in the IS

Referred standards **(No. & Title)**	**IS No. of this standards since revised**	**Changes that are of affecting the standard under review**	**Action proposed**
IS 1161-1968 Specification for steel tubes for structural purposes (Second Revision).	IS 1161-2014 Steel tubes for structural purposes – Specification (Fifth Revision)	Clause 3.1 to be reviewed.	Reference of latest Indian Standard to be made.
IS 226-1975 Specification for Structural steel (Standard quality) (Fifth Revision).	This standard has been withdrawn	Clause 3.1 to be reviewed.	Reference of latest Indian Standard to be made.
IS 816-1969 Code of practice for use of metal are welding for general construction in mild steel (First Revision).	No Change	NIL	The referred Indian Standard is also under review and revision.

iv) Any other standards available related to the subject & scope of the standard being reviewed (International/regional/other national/association/consortia, etc. or of new or revision of existing Indian Standard)

Standard **(No. & Title)**	**Provisions that could be relevant while reviewing the IS**	**Action proposed**
NIL		

v) Technical comments on the standard received, if any

Source	Clause of IS	Comment	Action proposed
No comments have been received on the Indian Standard.			

vi) Information available on technical developments that have taken place (on product/processes/practices/use or application/testing/input materials, etc.)

Source	Development	Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.)	Action proposed
NIL			

vii) Issues arising out of changes in any related IS or due to formulation of new Indian Standard

Related IS and its Title (revised or new)	Provision in the IS under review that would be impacted & the clause no. or addition of new clause/provision	Changes that may be necessary in the Standards under review	Action proposed
NIL			

viii) Any consequential changes to be considered in other IS

Related IS to get impacted	Requirements to be impacted
NIL	

7. Any other observation:

The revision will essentially take care of the following:

a) Publication of standards in A4 size and latest format.

b) Introduction of Hindi title on the first cover page.

c) Introduction of ICS no. in place of UDC no. on first cover page.

d) Copyright details and name/address of the institution and other details as per the latest practice.

e) Style of forward to be as per the latest practice, indicating all previous versions, and introducing a para on the current revision.

f) Introduction of Clause **2** 'References' (as per the latest format), and accordingly renumbering of all subsequent clauses.

g) Updating the details of types/classes/grades/ratings, etc. as per the latest cross-referred standards, such as in case of reference to another standard for material and its grade where the grades have since been modified in the latest revision of the cross-referred standard.

h) Use of latest style, manner and wordings, etc. such as 'Annex' for 'Appendix'.

j) Corrections of editorial/typographical mistakes in the existing standards.

Removal of informatory list of standards at the end, if any.

k) Updation of back cover page with mention of new document number, current details of information shared therein including BIS offices.

8. Recommendations: In view of above, it is recommended that IS 4659 – 1980 may be revised incorporated the above mentioned changes and other changes as deemed fit by the committee.

ANNEX 21
(Item 15.7)

PROFORMA FOR PROPOSING NEW SUBJECTS FOR NATIONAL STANDARDIZATION

1	Proposer Name & Complete Contact Details including Phone no and Email ID.	
2	Proposed Title of the standard (*Indicate whether the standard required is for product specification/methods of test/code of practice and define the subject in brief*	
3	Scope of the proposed standard *(Define the limits to be considered)*	
4	Purpose and Justification	
5	Likely users of standards and their inputs	
6	Any related standard/series of standard/system standard required to make this subject standard complete	
7	When the final Standard would be required *(any time limit)*	
8	Any specific problem being faced without this standard	
9	Bearing with Govt legislation regulation, etc	
10	Name and address of manufacturers/implementing industries/purchasing organization/component supplier/raw material supplier, if any	
11	Status of the industry in the country	
12	Availability of test facilities in the country	
13	Whether related to variety reduction, export, health, safety consumer protection, mass consumption, energy conservation, technology transfer, technology upgradation, protection of environment & other National priorities.	
14	Whether subject requires consideration to be given to women/ girl issues in line with Sustainable Goal 5 of the UN. If so, whether the issues are proposed to be addressed suitably in the proposed standard.	
15	Relevant supportive document/*other national/international standards, company standard, technical & research papers, etc* if any *(Please give reference or attach a copy)*	
16	R&D work done in India	
17	Any foreign collaboration (give details)	
18	Liaison with any organisation(s)	

19	Preparatory work: a) whether draft attached b) whether outline attached and draft can be prepared c) no draft possible, if so, why ?	
20	Whether this project can be funded by your organization or can it be sponsored by industry/ association/professional bodies/ministry? If yes, to what extent?	
21	Whether your organisation would be interested to opt for BIS Standard Mark once the standard is published?	

Dated: Signature:

Note:

i) *It is desirable that information is provided by the proposer for all items of the proforma; in any case information against item 1 to 5 must be provided.*
ii) *Write `NA' wherever not applicable.*
iii) *Add separate sheet to elaborate.*

Filled-in form may be mailed to scgt[at]bis[dot]gov[dot]in

ANNEX 22
(Item 16.4)

LIST OF WORKING GROUPS/ PANEL

ISO/ TC 8 — SHIPS AND MARINE TECHNOLOGY

Reference	Title	Name of Expert
ISO/ TC 8/AG 1	Chair's Advisory Group	
ISO/ TC 8/AG 3	Special offshore structures and support vessels	
ISO/ TC 8/ WG 4	Maritime security	
ISO/ TC 8/ WG 6	Ship recycling	
ISO/ TC 8/ WG 8	Liquid and gas fueled vessels	
ISO/ TC 8/ WG 10	Smart shipping	
ISO/ TC 8/ WG 11	Dredgers	
ISO/ TC 8/ WG 12	Aquatic nuisance species	
ISO/ TC 8/ WG 14	Maritime education and training	

ISO/ TC 8/ SC 7 INLAND NAVIGATION VESSELS

Reference	Title	Name of Expert
ISO/TC 8/SC 7/WG 1	Safety and sustainability management systems for inland waterways	

ISO/ TC 8/ SC 11 INTERMODAL AND SHORT SEA SHIPPING

Reference	Title	Name of Expert
ISO/ TC 8/ SC 11/ WG 2	Maritime operational data model	
ISO/ TC 8/ SC 11/ WG 3	Software-based PMS	

ISO/ TC 188 SMALL CRAFTS

Reference	Title	Name of Expert
ISO/ TC 188/AG 1	Convenors and Project Leaders	
ISO/TC 188/JWG 1	Joint ISO/TC 188 - IEC/TC 18 WG: Electric propulsion systems	
ISO/ TC 188/ WG 2	Inflatable and life rafts	
ISO/ TC 188/ WG 3	Cockpits: deck fittings and rigging parts	

Reference	Title	Name of Expert
ISO/ TC 188/ WG 5	Engine and propulsive systems	
ISO/ TC 188/ WG 9	Main dimensions of the craft and identification of the hull	
ISO/ TC 188/ WG 20	Windows, portlights, hatches, deadlights and doors	
ISO/ TC 188/ WG 31	Fire protection	
ISO/ TC 188/ WG 32	Lithium-Ion batteries	
ISO/ TC 188/ WG 33	Liquefied petroleum gas systems	
ISO/ TC 188/ WG 34	Field of vision (Amendment of ISO 11591:2020)	
ISO/ TC 188/ WG 35	Hull construction and scantlings	

ANNEX – 23
(Item 16.6)

LIST OF ISO STANDARDS ADOPTED AS IDENTICAL UNDER PURVIEW OF INLAND, HARBOUR CRAFTS AND FISHING VESSELS SECTIONAL COMMITTEE TED 18

S. No	IS Number / ISO Number	Title	Latest status of ISO Standard
1.	IS 7048 : 2006 / ISO 5778:1998	Ships and marine technology - Small weathertight steel hatches Second Revision	No change
2.	IS 11693 : 2006 / ISO 21:1983	ShmwjiLdiNg - Inland navigation - Cable - Lifters for stud - Link anchor chains First Revision	ISO 21:1983 withdrawn.
3.	IS 14545 : 2011 / ISO 6218:2005	Inland navigation vessels - Manually operated coupling devices for push tows - Safety requirements and main dimensions First Revision	ISO 6218:2005 revised as ISO 6218:2019.
4.	IS 14546 : 2009 / ISO 2922:2000	Acoustics - Measurement of airborne sound emitted by vessels on inland waterways and harbours First Revision	ISO 2922:2000 revised as ISO 2922:2020. **TED 18 (19336)**
5.	IS 16183 (Part 1) : 2023 / ISO 12215-1:2000	Small craft - Hull construction and scantlings Part 1 Materials: Thermosetting resins, glass-fibre reinforcement, reference laminate	No change
6.	IS 16183 (Part 2) : 2015 / ISO 12215-2:2002	Small craft - Hull construction and scantlings Part 2 Materials core materials for sandwich construction embedded materials	No change
7.	IS 16183 (Part 3) : 2014 / ISO 12215-3:2002	Small craft - Hull construction and scantlings Part 3 materials steel aluminium alloys wood other materials	No change
8.	IS 16183 (Part 4) : 2020 / ISO 12215-4:2002	Small Craft Hull Construction and Scantlings Part 4 Workshop and Manufacturing	No change
9.	IS 16183 (Part 6) : 2020 / ISO 12215-6:2008	Small Craft Hull Construction and Scantlings Part 6 Structural Arrangements and Details	No change
10.	IS 16183 (Part 8) : 2020 / ISO 12215-8:2009	Small Craft Hull Construction and Scantlings Part 8 Rudders	No change

S. No	IS Number / ISO Number	Title	Latest status of ISO Standard
11	IS 16183 (Part 9) : 2020 / ISO 12215-9:2012	Small craft Hull construction and scantlings Part 9 Sailing Craft Appendages	No change
12.	IS 17469 : 2020 / ISO 8666:2016	Small Craft Principal Data	**ISO 8666:2016 revised as ISO 8666:2020. TED 18 (23917)**
13.	IS 17470 : 2020 / ISO 9094:2015	Small Craft - Fire Protection	**ISO 9094:2015 revised as ISO 9094:2022. TED 18 (23956)**
14.	IS 17471 : 2020 / ISO 21487:2012	Small Craft - Permanently Installed Petrol and Diesel Fuel Tanks	**ISO 21487:2012 revised as ISO 21487:2022. TED 18 (23959)**
15.	IS 17884 (Part 1) : 2022 / ISO 12217-1:2015	Small craft - Stability and buoyancy assessment and categorization - Part 1 Non-sailing boats of hull length greater than or equal to 6 m	**ISO 12217-1:2015 revised as ISO 12217-1:2022. TED 18 (23943)**
16.	IS 17884 (Part 2) : 2022 / ISO 12217-2:2015	Small craft - Stability and buoyancy assessment and categorization - Part 2 Sailing boats of hull length greater than or equal to 6 m	**ISO 12217-2:2015 revised as ISO 12217-2:2022. TED 18 (23945)**
17.	IS 17884 (Part 3) : 2022 / ISO 12217-3:2015	Small craft - Stability and buoyancy assessment and categorization - Part 3 Boats of hull length less than 6 m	**ISO 12217-3:2015 revised as ISO 12217-3:2022. TED 18 (23949)**
18.	IS 17952 (Part 1) : 2022 / ISO 6185-1:2001	Inflatable boats - Part 1 Boats with a maximum motor power rating of 4 5 kW	No change
19.	IS 17952 (Part 2) : 2022 / ISO 6185-2:2001	Inflatable boats Part 2 Boats with a maximum motor power rating of 4 5 kW to 15 kW inclusive	No change
20	IS 17952 (Part 3) : 2022 / ISO 6185-3:2014	Inflatable boats Part 3 Boats with a hull length less than 8 m with a motor rating of 15 kW and greater	No change

ANNEX – 24
(Item 16.7)

LIST OF INDIAN STANDARDS BASED ON/ TAKEN CONSIDERABLE ASSISTANCE FROM ISO STANDARDS UNDER PURVIEW OF INLAND, HARBOUR CRAFTS AND FISHING VESSELS SECTIONAL COMMITTEE TED 18

S. No	IS Number / ISO Number	Title	Latest status of ISO Standard
1.	IS 4659 : 1980 | ISO 3652:1975	Specification for wire rope reel for inland vessels First Revision	No change
2.	IS 8820 (Part 1) : 1978 | ISO 3786:1975	Specification for towing hooks Part 1 scale of tractive efforts	No change
3.	IS 9882 (Part 1) : 1981 | ISO 4089:1979	Specification for sealing rubber for covers for cargo hatches Part 1 dry cargo hatches	No change
4.	IS 10227 : 1997 | ISO 6115:1988	Fishing vessels - Trawl winches - Specification First Revision	No change
5.	IS 10526: 1996 | ISO 3935: 1977	Inland Vessels - Fire Fighting Water System - Pressure (First Revision)	ISO Standard withdrawn
6.	IS 10527 : 1983 | ISO 3948:1977	Specification for pressure ranges for compressed air system for inland vessels	No change
7.	IS 10858 : 1984 | ISO 6217:1982	Identification painting and inscription code for pilot craft	No change
8.	IS 11253 : 1985 | ISO 4085:1979	Specification for swing derricks	No change
9.	IS 11339 : 1985 | ISO 3926:1980	Dimensions for couplings for oil and fuel reception for inland vessels	No change
10.	IS 11474 : 1985 | ISO 6219:1983	General requirements of power operated windlasses and anchor capstans for inland vessels	ISO Standard withdrawn
11.	IS 11694 (Part 1) : 1986 | ISO 7545:1983	Specification for single - Lock automatic couplings for push tows for inland navigation Part 1 general requirements	ISO Standard withdrawn
12.	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	ISO Standard withdrawn
13.	IS 11694 (Part 3) : 1986 | ISO 7545:1983	Specification for single - Lock automatic couplings for push tows for inland navigation Part 3 type 6 couplings	ISO Standard withdrawn

S. No	IS Number / ISO Number	Title	Latest status of ISO Standard
14.	IS 11823 (Part 1) : 1986 | ISO 7608:1985	Specification for couplings for disposal of oily mixture for inland vessels Part 1 flange couplings	No change
15.	IS 11823 (Part 2) : 1986 | ISO 7608:1985	Specification for couplings for disposal of oily mixture for inland vessels Part 2 quick release couplings	No change
16.	IS 11823 (Part 3) : 1986 | ISO 7608:1985	Specification for couplings for disposal of oily mixture for inland vessels Part 3 adapters Flange end Piece	No change
17.	IS 11823 (Part 4) : 1986 | ISO 7608:1985	Specification - For couplings for disposal of oily mixtures for inland vessels Part 4 adapters Flange bush	No change
18.	IS 12115 (Part 1) : 1987 | ISO 7608:1985	Specification for couplings for disposal of sewage water for inland vessels Part 1 flange coupling	No change
19.	IS 12115 (Part 2) : 1987 | ISO 7608:1985	Specification for couplings for disposal of sewage water for inland vessels Part 2 quick - Release couplings	No change
20.	IS 12115 (Part 3) : 1987 | ISO 7608:1985	Specification for couplings for disposal of sewage water for inland vessels Part 3 adapters Flange end Piece	No change
21.	IS 12115 (Part 4) : 1987 | ISO 7608:1985	Specification for couplings for disposal of sewage water for inland vessels Part 4 adapters Flange bush	No change
22.	IS 13004 (Part 1) : 1990 | ISO 4127(Pt 1):1979	Inland vessels - Fairleads - Specification Part 1 two - Lip fairleads	No change
23.	IS 13004 (Part 2) : 1990 | ISO 4127(Pt 2):1980	Inland vessels - Fairleads - Specification Part 2 roller fairleads	No change
24.	IS 14449 : 1997 | ISO 7606:1988	Inland vessels - Draught scale - Specification	No change
25.	IS 14919 : 2001 | ISO 4001:1977	Inland vessels - Raft - Type life - Saving apparatus - General requirements	No change