

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

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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:

- Introduction has been added to explain the addition of Annex A;
- Scope has been amended to include installation of fuel tanks;
- Some definitions have been updated;
- Clause 4 has been updated, in particular 4.2, 4.3.9 and 4.4.1;
- Sub-clause 5.2 has been updated and Table 2 has been introduced for tests;
- 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:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
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:

<i>International Standard/ Other Publication</i>	<i>Title</i>
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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