

**केन्द्रीय मुहर विभाग-2**

संदर्भ -: केमूवी-2/16:12585

16 11 2023

**विषय: संशोधित IS 12585:2023 के अनुपालन के दिशा निर्देश**

यह उपरोक्त विषय के संदर्भ में है।

सक्षम अधिकारी द्वारा अनुमोदित दिशानिर्देश अनुपालन हेतु संलग्न है।

सभी क्षेत्रीय/शाखा कार्यालयों से अनुरोध है की दिशानिर्देशों का तत्काल प्रभाव से अनुपालन सुनिश्चित करें।

**आदित्य दास  
वैज्ञानिक D**

**प्रमुख (केमूवी 2)**

**सभी क्षेत्रीय/शाखाकार्यालय/प्रयोगशालाएँ/PCD/LRMD**

**CENTRAL MARKS DEPARTMENT-2**

Our Ref: CMD-2/16:12585

16 11 2023

**Subject: Guidelines for implementation of Revised IS 12585:2023**

This has reference to the subject mentioned above.

The Competent Authority has approved the enclosed Guidelines for implementation.

All ROs/BOs are requested to ensure the implementation of the above Guidelines with immediate effect.

**(Aditya Das)  
Scientist D**

**Head (CMD-2)**

**All ROs/BOs/Labs/PCD/LRMD**

## CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: 12585

16 11 2023

### **Subject: Guidelines for implementation of Revised IS 12585:2023 (Specification for Thermoplastic Hoses (Textile Reinforced) for Water – General Purpose)**

1. IS 12585:1988 has been revised as IS 12585:2023 and has been published. The last date for implementation of the revised Standard is **10 May 2024** after which the old Standard shall stand withdrawn.
2. All BOs shall inform the Applicants and Licensees under their jurisdiction about implementation of the revised Standard within a week of issuance of these guidelines.
3. The significant changes in the revised Standard as listed in the Table are given for the purpose of general guidance. BOs shall ensure that the product conforms to all the requirements, as applicable, as per the revised Standard.

Clause No. of IS 12585:2023/ISO 6224:2011	Changes
	The revised version of IS 12585:2023 has been aligned with latest published ISO 6224 : 2011 Thermoplastics hoses, textile-reinforced, for general- purpose water applications — Specification
4 (Classification)	<p>In IS 12585:1988 version, the product was differentiated into following 3 types, based on working pressure:</p> <p>Type 1 —for a working pressure of 0.6 MPa</p> <p>Type 2—for a working pressure of 1.0 MPa</p> <p>Type 3—for a working pressure of 2.5 MPa</p> <p>Now, as per revised IS 12585:2023/ISO 6224:2011, hoses are designated depending on their pressure rating:</p> <p>a) Type 1: Low pressure — Designed for a maximum working pressure of 0.6 MPa (6 bar) at 23 °C and 0,36 MPa (3,6 bar) at 60 °C.</p> <p>b) Type 2: Medium pressure — Designed for a maximum working pressure of 1.0 MPa (10 bar) at 23 °C and 0,65 MPa (6,5 bar) at 60 °C.</p> <p>b) Type 3: High pressure — Designed for a maximum working pressure of 2.5 MPa (25 bar) at 23 °C and 1,6 MPa (16 bar) at 60 °C</p>
Cl. 6	Dimensional requirements have been modified Requirement for determination of Concentricity has been introduced
Cl. 7.1, Table 2	Test requirement for Physical properties of Thermoplastic materials have been modified to ISO methods and following requirements have been introduced: <ul style="list-style-type: none"><li>• Minimum tensile strength</li><li>• Minimum elongation at break</li></ul>

	<ul style="list-style-type: none"> <li>Resistance to ageing</li> </ul>
Cl. 7.2, Table 3	<p>Test requirement for Physical properties of Finished Hoses have been modified to ISO methods and following requirements have been introduced:</p> <ul style="list-style-type: none"> <li>Change in length at maximum working pressure at 23 °C</li> <li>Adhesion between components</li> <li>UV resistance (xenon-arc lamp)</li> </ul>
Cl. 10 (Marking)	<p>In the revised IS 12585:2023, the following information is required to be additionally marked on each hose: the number and year of publication of this International Standard, i.e. ISO 6224:2011</p> <p>'Nominal bore size' has been changed to 'inside diameter, in millimetres'</p>
Cl.11 (Packing)	<p>Cross-reference to ISO 8331 has been drawn for Recommendations for Packaging and Storage</p>
Annex A and B	<p>Tests to be carried out for Type Testing, Routine testing and Production Testing has been mentioned</p>

4. Consequent upon the issuance of the revised Standard, the existing product manual has been revised which is being circulated separately.
5. The guidelines for implementation of the revised Standard is given below:

#### **A. LICENSEES:**

- i. The licensee shall implement the revised Standard by **10 May 2024**. Any difficulty in implementation shall be brought to the notice of CMD 2 at the earliest. BOs shall ensure that no Licences are under operation as per the old Standard after **10 May 2024**. **The status of implementation of the revised Standard shall be confirmed by Head (BO) to CMD-2 within two weeks of the last date of concurrent running.**
- ii. The licensee shall submit evidence of conformity to the additional/modified requirements through In-house/Independent Test Reports as well as declaration of additional test equipment required as per the revised standard. Verification of implementation of the revised Standard, wherever required, **shall be verified through a surveillance visit within 30 days of confirmation of implementation of the revised standard by licensee.**
- iii. Revision in the scope of licence for existing licensees shall be conducted as follows:
  - a) If scope covers Type 1 as per old standard for a given range of sizes, licensee can cover Type 1 as per revised standard for which they shall submit In-house/Independent Test Report of sample of Type 1 hose (of any of the sizes already covered) as per revised standard along with the declaration of additional test equipment. Based on the same, Type 1 as per revised standard can be covered in the scope for the same range of sizes already covered.
  - b) If scope covers Type 2 as per old standard for a given range of sizes, licensee can cover Type 2 as per revised standard for which they shall submit In-house/Independent Test Report of sample of Type 2 hose (of any of the sizes already covered) as per revised standard along with the declaration of additional test equipment. Based on the same, Type 2 as per revised standard can be covered in the scope for the same range of sizes already covered.

c) If scope covers Type 3 as per old standard for a given range of sizes, licensee can cover Type 3 as per revised standard for which they shall submit In-house/Independent Test Report of sample of Type 3 hose (of any of the sizes already covered) as per revised standard along with the declaration of additional test equipment. Based on the same, Type 3 as per revised standard can be covered in the scope for the same range of sizes already covered.

- iv. If the Licensee fails to complete all actions by **10 May 2024** it shall be dealt with as per the prevailing guidelines.

#### **B. APPLICATIONS FOR GRANT OF LICENCE:**

- i. Existing Applications where Sample has been submitted in the Laboratory/Test Report has been issued by the Laboratory may be processed as per the old Standard. However, if the Applicant is desirous of considering the Application as per the revised Standard, a declaration may be obtained from the Applicant to that effect and the Application may be processed accordingly. An undertaking shall from such Applicants also be obtained that if the sample fails while considering the provisions of the revised Standard, Licence will not be granted by BIS as per the old version.
- ii. Applications which are recorded henceforth may be processed as per the old Standard or the revised Standard. Processing of Applications as per the old Standard shall be permitted only up to **9 May 2024** and for such cases Applicant shall give a declaration that they will implement the revised Standard by **10 May 2024**.
- iii. Beyond **10 May 2024** no Licence shall be granted as per the old Standard.

#### **C. CHANGE IN SCOPE OF LICENCE:**

- i. For change in scope of licence, the relevant provisions as given above for Applicants shall apply.
- ii. However, processing of such applications for change in scope of licence as per the old Standard shall be permitted only up to the date of implementation of the revised Standard or up to **10 May 2024** whichever is earlier.

6. The above guidelines come into force with immediate effect.

**Aditya Das**  
**Sc. D**

**Head (CMD-2)**  
**DDG (Certification)**