

केन्द्रीय मुहर विभाग-2

संदर्भ :- केमूवी-2/16: 447

27 07 2026

विषय: संशोधित IS 447 : 2026 / ISO 3821 : 2019 के अनुपालन के दिशानिर्देश।

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।

साई कुमार वेडुला
वैज्ञानिक-ई

प्रमुख (केमूवी 2)

BPBO & सभी क्षेत्रीय/शाखाकार्यालय/प्रयोगशालाएँ/PCD/LRMD

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: 447

27 07 2026

Subject: Guidelines for implementation of Revised IS 447: 2026 / ISO 3821: 2019.

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.

(Sai Kumar Vedula)
Scientist-E

Head (CMD-2)

BPBO & All ROs/BOs/Labs/PCD/LRMD

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: 447

27 07 2026

Subject: Guidelines for implementation of Revised IS 447: 2026 / ISO 3821: 2019 (Rubber Hoses for Welding)

1. IS 447:1988 has been revised as IS 447:2026 / ISO 3821: 2019 and has been published. The last date for implementation of the revised Standard is **17th September 2026** after which the old Standard shall stand withdrawn.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	Change
1 (Scope)	Scope covers rubber hoses (including twin hoses) for welding, cutting, allied processes. Scope covers light duty and normal duty hoses.
5 (Application)	Color coding expanded from 2 colors to a full gas-identification system. In order to identify the gas for which the hose is to be used, the hose cover shall be coloured and marked as specified in Table 5 under Cl 10.2 (Gas identification)
6 (Hose designation)	Hoses are designated by a) Inside diameter (Table 1); b) light or normal duty (pressure rating), (Table 4); c) colour and marking (gas service), (Table 5)
7.1 (Construction)	Defines minimum lining thickness, cover thickness. Additional inner plastic layer for flux hoses, and defined twin-hose construction.
8 (Dimensions)	Dimensional control is expanded as it provides separate tables for inside diameter, outside diameter, concentricity, and cut-length tolerances
9.2 (Basic Requirements)	Following tests are added: Flexibility at ambient temperature, low-temperature flexibility, ozone resistance, protection against incandescent particles and hot surfaces
9.3 (Special requirements)	Revised standard specifies requirements by gas service. Defines special requirements for oxygen hoses, acetylene hoses, propane hoses, flux fuel gas hoses, universal fuel gas hoses, and twin hoses
10.3 (Marking)	Marking Clause specifies ISO 3821 document reference, Flux (if applicable), pressure, dimensions, manufacturer mark, and year of manufacture atleast every 1000 mm.

4. Consequent upon the issuance of the revised Standard, the existing product manual has been revised which is being circulated separately (**PM/IS 447/2 July 2026**). All BOs shall align the scope of licence of the existing licences with the scope defined in the latest PM.

5. The guidelines for implementation of the revised Standard is given below:

A. LICENSEES:

- i. The licensee shall implement the revised Standard by **17th September 2026**. 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 **17th September 2026**. **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 revised list of test equipment (as per Form 2) /testing arrangement. 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. If the Licensee fails to complete all actions by **17th September 2026** 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 from such Applicants shall 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 **16th September 2026** and for such cases Applicant shall give a declaration that they will implement the revised Standard by **17th September 2026**.
- iii. Beyond **17th September 2026** 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 upto the date of implementation of the revised Standard or up to **17th September 2026** whichever is earlier.

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

Sai Kumar Vedula
Scientist-E

Head (CMD-2)
DDG (Certification)