

**भारतीय मानक ब्यूरो
(केंद्रीय मुहर विभाग III)**

हमारा संदर्भ : सी एम डी - III/16 : IS 9972

19 मई 2023

विषय : पुनरीक्षित आई एस 9972:2023 के अनुपालन के लिए दिशानिर्देश ।

इसमें ऊपर उल्लिखित विषय का संदर्भ है।

सभी शाखा कार्यालय से आग्रह है कि गाइडलाईन का अनुपालन तत्काल प्रभाव से सुनिश्चित करें।

(ऐ के कअंर)
वैज्ञानिक-सी (सी एम् डी-III)

प्रमुख (सी एम डी- III)

सभी क्षेत्रीय /शाखा कार्यालय

**BUREAU OF INDIAN STANDARDS
(Central Marks Department-III)**

Our Ref: CMD-III/16 : 9972

19 May 2023

Subject: Guidelines for implementation of revised IS 9972:2023 - 'Automatic Sprinkler Heads for Fire Protection Service'

This has reference to the subject mentioned above.

BOs may kindly ensure implementation of the guidelines with immediate effect.

(A K Kanar)
Sc-C (CMD-III)

Head (CMD-III)

Circulated to: All ROs/BOs

CENTRAL MARKS DEPARTMENT III

Our Ref: CMD-III/16 : 9972

19 May 2023

Subject: Guidelines for implementation of revised IS 9972:2023 - 'Automatic Sprinkler Heads for Fire Protection Service'

1. IS 9972:2002 has been revised as IS 9972:2023 and has been published. The last date for implementation of the revised Standard is **31 Jan 2024** after which the old Standard shall stand withdrawn.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 is 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	Requirement
4	New types of special sprinklers, such as cut off sprinkler and rack storage sprinkler, have been included
5.2	Information regarding identification marks of each sprinkler complying with the requirements of this standard have been included in detail.
5.3.1 & 5.3.2	Colour coding of sprinklers and bulbs have been updated with respect to modified nominal release temperature
5.3.3 & 5.3.4	Testing conditions for sprinkler have been included and examination of sprinklers have been updated
6	Existing tests in the standard for the performance of the sprinklers have been modified
6	Various tests on performance of sprinklers [such as hydrostatic strength test, operating temperature (liquid bath) test, operating temperature (air bath) test, high temperature exposure test, freezing test, minimum operating pressure test, moist air test, vacuum test, drop and tumble test, test for discharge coefficient (K-factor), salt spray corrosion test, carbon dioxide and sulphur dioxide corrosion test, hydrogen sulphide corrosion test and test for conductivity (C-factor)] have been included in detail.
10	Fire test for sprinklers has been added and its test method for all types of sprinklers has also been explained.

4. Consequent upon the issuance of the revised Standard, existing Product Manual has been revised as Doc: **PM/IS 9972/2/May 2023**.
5. The guidelines for implementation of the revised Standard is given below:

A. LICENSEES:

- (i) All Licensees shall implement the revised Standard by **31 Jan 2024**. Any difficulty in the implementation shall be brought to the notice of CMD III within 30 days of issuance of these guidelines. BOs shall ensure that no licences are under operation as per the old Standard after **31 Jan 2024**. The status of implementation of the revised Standard shall be confirmed by Head (BO) to CMD-III within two weeks of the last date of concurrent running.
- (ii) Licensees shall submit the evidence of conformity to the additional/modified requirements through In-house/Independent Test Reports. Licensee shall also to submit the declaration of additional manufacturing and testing capabilities as per the new version of the Standard. Verification of implementation of the revised Standard shall be done through a surveillance visit, which shall be completed within three months from the last date of implementation. During such visit, additional test facilities and manufacturing capabilities, if applicable, shall be verified and reported.
- (iii) If the Licensee fails to complete all actions by **31 Jan 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 also be obtained from such Applicants that if the sample fails in new test requirements, 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 upto **31 Jan 2024** and for such cases, Applicant shall give a declaration that they will implement the revised Standard by **31 Jan 2024**.
- (iii) Beyond **31 Jan 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 upto the date of implementation of the revised Standard or upto **31 Jan 2024** whichever is earlier.

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

Ashish K Kanar
Sc-D/Jt Dir, CMD-III

Head (CMD III)
DDG (Certification)