

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

हमारा संदर्भ : सी एम डी - III/16 : IS 8360

29 दिसंबर 2022

विषय : पुनरीक्षित आई एस 8360:2022 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।

(ए 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 : 8360

29 Dec 2022

**Subject: Guidelines for implementation of revised IS 8360:2022 - 'Fabricated Polyethylene Fittings for Water Supply'**

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 : 8360**

**29 Dec 2022**

**Subject: Guidelines for implementation of revised IS 8360:2022 - 'Fabricated Polyethylene Fittings for Water Supply'**

1. IS 8360 (Part 1 to 3):1977 has been revised as IS 8360:2022 and has been published. The last date for implementation of the revised Standard is **02 March 2023** after which the old Standard shall stand withdrawn.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
Title	As polyethylene fittings are designated by their minimum required strength (MRS), the earlier nomenclature of high-density polyethylene fittings has been renamed as polyethylene fittings. Further, the standard now covers fittings for all water supplies including potable water supply. Accordingly, the title of the standard has been modified
7.1	As per IS 4984, wall thicknesses have been specified based on standard dimension ratios (SDR).
10.1	Additional markings (material grade, SDR, lot/batch number) on the product have been specified
10.1.1	Details to be mentioned under batch number has been specified
6	Visual Appearance test has been added
1	Scope of the Standard has been revised
7.2.1 & 7.2.2	Fittings of sizes-16mm and 560 to 2500mm have been added.
7.2.1 & 7.2.2	Z- length for various sizes of 90° Tee and all sizes of 90° Bends have been modified
7.2.1	Tolerance on nominal angle of fitting ( $\alpha$ ) has been incorporated.
7.2.2	Cut angle ( $\beta$ ) is added for fabricated bends.
8.1	Testing condition (i.e. hoop stress and duration) of hydraulic characteristics have been modified.
8.2	A new test, Tensile Strength for Butt-Fusion test is added.
7.2.1 & 7.2.2	Requirements for 45° tees (Y tee), 90° cross tees (4 way tee), reducing tees, 30° bends, 45° bends and 60° bends have been added.
7.3	Performance derating factors for fabricated fittings have been added.

4. Consequent upon the issuance of the revised Standard, existing SIT in the Product Manuals has been revised and included in the revised Product Manual as Doc: **PM/IS 8360/2/Dec 2022**.

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

**A. LICENSEES:**

- (i) All Licensees shall implement the revised Standard by **02 March 2023**. Any difficulty in implementation shall be brought to the notice of CMD III at the earliest but in any case, at least 30 days before the last date of implementation. BOs shall ensure that no Licences are under operation as per the old Standard after **02 March 2023**. 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) As all parts of IS 8360 (Part 1 to 3):1977 have been merged as IS 8360, endorsements may be issued accordingly.
- (iii) 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 one month from the date of confirmation of implementation by the manufacturer. During such visit, additional test facilities and manufacturing capabilities, if applicable, shall be verified and reported.
- (iv) If the Licensee fails to complete all actions by **02 March 2023**, 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 **02 March 2023** and for such cases, Applicant shall give a declaration that they will implement the revised Standard by **02 March 2023**.
- (iii) Beyond **02 March 2023** 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 **02 March 2023** whichever is earlier.

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

Ashish K Kanar  
Sc-C/Dy Dir, CMD-III

Head (CMD III)  
**DDG (Certification)**