भारतीय मानक ब्यूरो
(केंद्रीय मुहर विभाग III)

हमारा संदर्भ : सी एम डी - III/16 : IS 8008 **29 दिसंबर 2022**

विषय : पुनरीक्षित आई एस 8008:2022 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।

(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 : 8008 **29 Dec 2022**

Subject: Guidelines for implementation of revised IS 8008:2022 - 'Injection Moulded/ Machined 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 : 8008 **29 Dec 2022**

Subject: Guidelines for implementation of revised IS 8008:2022 - 'Injection Moulded/ Machined Polyethylene Fittings for Water Supply'

1. IS 8008 (Part 1 to 9):2003 has been revised as IS 8008:2022 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The last date for implementation of the revised Standard is **02 March 2023** after which the old Standard shall stand withdrawn.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
4	Requirements of raw material including PE resin have been modified in line with IS 4984
9	As per IS 4984, wall thicknesses have been specified based on standard dimension ratios (SDR)
4.3	The maximum permitted addition of rework material has been reduced from 10 percent to 5 percent considering that with advanced mechanized manufacturing process, the wastage has now come to the order of 5 percent
10.3 to 10.6	Requirements for melt flow rate (MFR), density, oxidation induction time and overall migration of the fittings have been added
9.3.1	90° bends of sizes from 20 mm to 160 mm were covered, which have been now increased to 315 mm
9.3.2	90° tees of sizes from 20 mm to 160 mm were covered, which have been now increased to 315 mm
9.3.3	Injection moulded reducers of sizes from 20 mm to 315 mm and machined reducers of sizes from 20 mm to 630 mm were covered. Only machined reducers of sizes 355 mm and above were covered which had to be manufactured from machining process from thick walled extruded pipes or compression moulded slabs. The dimensional requirements were also different for injection moulded and machined reducers. In this revision, considering the advancements in the manufacturing of reducers which has resulted in similar quality and finish of the fittings from both machining and moulding process, the dimensional requirements for both the types of reducers of sizes 20 mm to 1 400 mm have been covered together

9.3.4	Tolerances on various dimensions of ferrule reducers have now been specified
9.3.5	Pipe ends of sizes from 20 mm to 1 000 mm were covered, which have been now increased to cover sizes up to 2 500 mm
9.3.6	Sandwich flanges of sizes from 15 mm to 600 mm were covered, which have been now increased to cover sizes from 16 mm to 2 000 mm
Fig.7	Illustrative figure for reducing tees has been modified
9.3.7	Reducing tees of sizes 90 to 140 mm were covered, which has been now changed to cover sizes from 63 to 2 500 mm
9.3.8.1 & 9.3.8.2	Moulded/machined end caps of sizes 20 to 250 mm were covered having similar requirements. In this revision, moulded end caps and machined end caps have been covered separately with different requirements of depth and laying length. Moulded end caps of sizes 20 to 250 mm are covered and machined end caps of sizes 20 to 2 500 mm have been covered
12.1	Additional markings on the product have been specified
12.1.1	Details to be mentioned under batch number has been specified

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 8008/2/Sep 2022**.

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

A. <u>LICENSEES</u>:

(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 8008 (Part 1 to 9):2003 have been merged as IS 8008, the name of product has been modified and SDR is included in the scope; the scope of existing licensees may be reviewed and endorsements may be issued accordingly.

(iii) Licensees shall submit the declaration of the varieties as per the new version of the Standard and 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. Licensees shall also submit the conformity of the modified requirements of raw materials through Test Certificates or independent test reports, as applicable. 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)