

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

हमारा संदर्भ : सी एम डी - III/16 : IS 4984

28 जून 2022

विषय : आईएस 4984 के संशोधन संख्या 2 के अनुपालन हेतु गाइडलाइन।

इसमें ऊपर उल्लिखित विषय का संदर्भ है।

सभी शाखा कार्यालय से आग्रह है कि गाइडलाइन 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 : IS 4984

28 June 2022

**Subject: Guidelines for implementation of Amendment No. 2 to IS 4984:2016  
'Polyethylene Pipes 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 : IS 4984**

**28 June 2022**

**Subject: Guidelines for implementation of Amendment No. 2 to IS 4984:2016 ‘Polyethylene Pipes for Water Supply’**

1. Amendment No. 2 to IS 4984:2016 has been published. The last date for implementation of the amendment is **25 Jan 2023**.
2. All BOs shall inform the Applicants and Licensees under their jurisdiction about implementation of the above amendment immediately.
3. The changes brought out in the Standard through the amendment 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 amendment.

Clause	Requirement
2	Referred Standards have been updated.
5.2	Additional requirements for polyethylene resins and pre-compounded black material have been specified
5.3(b) & 5.4	The constituent of carbon black master batch and antioxidants shall be selected from IS 16738 instead of IS 10141
Table-2	Specified requirements of Base Density & MFR of PE resins have been modified
5.5	Usage of own rework material has been restricted to maximum of 5%
Table-3	Additional sizes of 2250mm & 2500mm along with their dimensional requirements have been added
6.1.4	Pipes of Pressure Rating, PN3 has been deleted.
6.2.1	Depth of longitudinal strips has been made as a compulsory requirement (earlier it was specified as ‘preferably’)
7.4.1.2	Measurement of Ovality has been more elaborately specified
Table 4	Wall thickness requirement of numerous pipe sizes have been modified
8.7	Specific requirement of density has been modified
8.9	Yield strength requirement has been included
8.10	Non-applicability of Slow Crack Growth rate test on pipe diameters below 63 mm and thicknesses below 5mm has been mentioned. In case SDR 11 pipes are not manufactured, calculation formula of internal test pressure is given.
B-2	Sample details for OIT test of PE granules has been specified.

4. Consequent upon issuance of the amendment, existing Product Manual has been revised as Doc: **PM/IS 4984/3/June 2022**.

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

**A. LICENSEES:**

- (i) All Licensees shall implement the amendment by **25 Jan 2023**. BOs shall ensure that no Licences are under operation as per IS 4984:2016 without the Amendment No.2 after **25 Jan 2023**. The status of implementation of the amendment shall be confirmed by Head (BO) to CMD-III within two weeks of the last date of concurrent running.
- (ii) Licensees shall submit evidence of conformity to the additional/modified requirements through In-house/ Independent Test Reports and Test Certificates. Verification of implementation of the amendment shall be done through special surveillance visit, which shall be completed within six months of the date of confirmation of implementation by the manufacturer.
- (iii) As pipes of pressure rating, PN3 has been deleted, the scope of existing licensees may be reviewed and endorsements may be issued accordingly.
- (iv) If the Licensee fails to complete all actions by **25 Jan 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 without consideration of the amendment. However, if the Applicant is desirous of considering the amendment, 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 while considering the provisions of the amendment, Licence will not be granted as per the old version.
- (ii) Applications which are recorded henceforth may be processed with or without consideration of the amendment. Processing of Applications without consideration of the amendment shall be permitted only upto **25 Jan 2023** and for such cases Applicant shall give a declaration that they will implement the amendment by **25 Jan 2023**.
- (iii) Beyond **25 Jan 2023** no Licence shall be granted without consideration of the amendment.

**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 without consideration of the amendment shall be permitted only upto the date of implementation of the amendment by the licensee or upto **25 Jan 2023** whichever is earlier.

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

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

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