

भारतीय मानक ब्यूरो
(केंद्रीय मुहर विभाग III)

हमारा संदर्भ : सी एम डी - III/16 : IS 14885

30 दिसंबर 2022

विषय : पुनरीक्षित आई एस 14885:2022 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 : 14885

30 Dec 2022

Subject: Guidelines for implementation of revised IS 14885:2022 - 'Polyethylene Pipes for the Supply of Gaseous Fuels'

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 : 14885

30 Dec 2022

Subject: Guidelines for implementation of revised IS 14885:2022 - ‘Polyethylene Pipes for the Supply of Gaseous Fuels’

1. IS 14885:2001 has been revised as IS 14885:2022 and has been published. The last date for implementation of the revised Standard is **02 June 2023** after which the old Standard shall stand withdrawn.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
3	Existing terms and definitions have been modified and various new terms and definitions have been added considering current internationally accepted definitions.
1	SDR 17 pipes have been included and SDR 17.6 pipes have been removed considering the current manufacturing practice
4.2.2	Information regarding overall service (design) coefficient of 2.2 for LPG has been added so that gaseous pipes for LPG applications may also be designed as per this standard by applying suitable derating
5.1 & 5.7	Requirement of volatile matter content and water content for PE compound in granules form have been added
	Resistance to rapid crack propagation test as per the ISO Standard has been added, the conformity to which is to be provided by the raw material (PE compound) supplier
	Resistance to weathering test, tensile properties (tensile yield strength and elongation at break) and resistance to slow crack growth rate test has now been specified for the raw material as well, which is to be provided by the PE compound supplier. The weathering period has been increased from 6 months to 2 years and the test duration has been increased from 165 h to 1 000 h
8.2.2	Circumferential reversion test for the pipe has been added
8.10	Slow crack growth rate test for notched pipes for 500 h has been included as per the corresponding International Standard
8.11	Testing procedure for squeeze-off test has been modified in line with the current practice by the industry
10.4	Marking by inkjet printing has been permitted and details to be included in lot number/batch number has been specified
Table-2	Conventional density of base polymer at 23°C has been modified.

	Specified requirement of MFR of PE compound has been additionally specified
Table-4	Tolerance on outside diameter has been specified
Table-5	Ovality for SDR 9 and SDR 13.6 has been specified
Table-6	Wall thickness for SDR 17 has been specified
Table-9	Specified requirements of Internal Pressure Creep Rupture test for induced stress has been modified
8.5	Pigment Dispersion test for pipes has been included

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 14885/2/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 June 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 June 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 SDR 17 pipes have been included and SDR 17.6 pipes have been removed, the scope of existing licensees may be reviewed and endorsements may be issued accordingly, if any.
- (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 June 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 June 2023** and for such cases, Applicant shall give a declaration that they will implement the revised Standard by **02 June 2023**.
- (iii) Beyond **02 June 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 June 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)