



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

**BUREAU OF INDIAN STANDARDS**

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

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## DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : FAD 17/T

Date : 10 December 2024

**TECHNICAL COMMITTEE : Farm Irrigation And Drainage Systems Sectional Committee, FAD 17**

To,

All concerned

Dear Madam/Sir,

The following document has been prepared by the Farm Irrigation And Drainage Systems Sectional Committee, FAD 17. Please [click here](#) to view the document.

**Document Number : FAD 17 (27076) WC**

**Title of the document : Irrigation equipment - Quick coupled polyethylene pipes and fittings for sprinkler irrigation systems - Specification first revision of IS 17425**

**Document Type : Revision of Indian Standard (IS 17425 : 2020)**

*This document has following salient features which may require specific attention for your valuable comments:*

1) *Sprinkler irrigation system is one of the modern techniques being used for irrigation purpose. With the extensive use of quick coupled polyethylene pipes with sprinkler irrigation system, a need was felt to formulate this standard to include specifications of complete range of quick coupled pipes and fittings designed for use in sprinkler irrigation systems.*

2) *The standard was published in 2020 as an amalgamation of IS 14151 (Part 1) : 1999 and IS 14151 (Part 2) : 2016*

3) *The current revision of the standard has been undertaken to incorporate following modifications:*

a) Option of plastic riser pipe has been provided. b) The thickness of Class-3 (PN 4) pipes with a diameter of 40 mm has been specified as 2 mm to 2.4 mm, in line with current manufacturing practices. c) The test pressure in hydraulic proof test (see 7.2.2.1) has been changed from twice to 1.5 times of the recommended working pressure

for Class 3 and Class 4 pipes. d) The requirements for PE resin listed in Table 1 have been revised in accordance with IS 4984. e) The requirements for the tensile test specified in 7.1.4 have been revised in accordance with IS 4984. f) Necessary editorial changes have been made including updating of referred Indian Standards and schematic diagrams given in the standard.

*Option of plastic riser pipe has been provided. b) Thickness of Class-3 (PN 4) pipe of Dia. 40 mm as 2 mm to 2.4 mm has been provided as per current manufacturing practices. c) The test pressure in hydraulic proof test (see 7.2.2.1) has been changed from twice to 1.5 times of the recommended working pressure for Class 3 and Class 4 pipes. d) Requirements of PE Resin given in Table 1 have been modified in conjunction with IS 4984. e) Requirements of Tensile Test given in 7.1.4 have been modified in conjunction with IS 4984. f) Necessary editorial changes have been made including updating of referred Indian Standards and schematic diagrams given in the standard.*

Please examine the document and share your comments regarding further improvement in the document.

**Last date for sharing the comments is : 10 February 2025**

The comments should be shared in the prescribed template through this portal only; and the comments so received shall be taken up by the Sectional Committee for necessary action. For any other query, please write an email at fad@bis.gov.in to the undersigned at Bureau of Indian Standard, Manak Bhawan, 9, Bahadur Shah Zafar Marg, New Delhi.

In case no comments are received, we would presume your approval of the documents. However, in case we receive any comments on the document, the same shall be put up to the Sectional Committee for necessary action.

Thanking You,

**Yours faithfully,  
(SUNEETI TOTEJA)  
Head (Food and Agriculture Department)  
Email: fad@bis.gov.in**



## व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : FAD 17/T

दिनांक : 10-12-2024

**तकनीकी समिति : Farm Irrigation And Drainage Systems Sectional Committee, FAD 17**

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : FAD 17 (27076) WC

शीर्षक :

कृपया इस/इन मानक(को)/संशोधन(नो) के मसौदे(दो) का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि यदि ये मानक(को) के संशोधन(नो) के रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयां आ सकती हैं।

**सम्मतियाँ भेजने की अंतिम तिथि : 10 February 2025**

सम्मतियाँ, यदि कोई हों तो, कृपया यहाँ क्लिक करके ऑनलाइन पोर्टल के माध्यम से ऊपर दी गयी अंतिम तिथि तक दर्ज कराएं।

यह/ये प्रलेख भारतीय मानक ब्यूरो की वेबसाइट [www.bis.gov.in](http://www.bis.gov.in) पर भी उपलब्ध है/हैं।

धन्यवाद।

भवदीय/भवदिया,  
विभाग प्रमुख का नाम : SUNEETI TOTEJA  
(Food and Agriculture Department)  
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