



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 : MTD26/T-33

Date : 25 November 2024

TECHNICAL COMMITTEE : Industrial Fuel-Fired Furnaces Sectional Committee, MTD 26

To,

All concerned

Dear Madam/Sir,

The following document has been prepared by the Industrial Fuel-Fired Furnaces Sectional Committee Sectional Committee, MTD 26. Please [click here](#) to view the document.

Document Number : MTD 26 (26884) WC

Title of the document : Industrial furnaces and associated processing equipment -- Safety -- Part 2: Combustion and fuel handling systems First Revision

Document Type : Revision of Indian Standard (IS 17984 : Part 2 : 2024)

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

- 1) This document specifies the safety requirements for combustion and fuel handling systems that are part of industrial furnaces and associated processing equipment (TPE), including single and multiple burner systems in thermoprocessing equipment and machines. NOTE The general safety requirements common to TPE are provided in ISO 13577-1:2016. ISO 13577-1:2016, Annex B also includes a list of processes for which industrial furnaces and heating systems covered by the ISO 13577 series are used. This document deals with significant hazards, hazardous situations and events relevant to combustion and fuel handling systems as listed in Annex A, when used as intended and under the conditions for use as described in the instruction handbook. This document covers: — fuel pipework downstream of and including the manual isolating valve; — combustion air supply (including oxygen and oxygen enriched combustion air) and flue gas system; — burner(s), burner system and ignition device;*
- 2) functional requirements for safety related control system. This document applies to any oxidation of gaseous and liquid fuels with air or other gases containing free oxygen to release thermal energy in TPE. Annex B includes examples of gaseous and liquid fuels. For thermal or catalytic post combustion and waste incineration, this document applies only to auxiliary burners designed to start-up and/or support the process. The pressure hazard of the piping and components covered by this document is within the maximum pressure/size relationship of category I as specified in Annex C. This document also gives the necessary requirements regarding information for use. This document does not cover hazards from heating generated by electricity. This document does not deal with the hazards created by the release of flammable substances from the products processed in the TPE.*
- 3) This document is not applicable to combustion and fuel handling systems: — of gas welding and allied processes; — up-stream of the TPE manual isolating valve. This document is not applicable to industrial furnaces and associated processing equipment (TPE), including single and multiple burner systems in thermoprocessing equipment and machines*

manufactured before the date of its publication. This document is not applicable to blast furnaces, converters (in steel plants), boilers, fired heaters (including reformer furnaces) in the petrochemical and chemical industries. This document is not applicable to electrical cabling and power cabling upstream of the TPE control panel/protective system.

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

Last date for sharing the comments is : 25 December 2024

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 mtd@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,
(SANJIV MAINI)
Head (Metallurgical Engineering Department)
Email: mtd@bis.gov.in



व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : MTD26/T-33

दिनांक : 25-11-2024

तकनीकी समिति : Industrial Fuel-Fired Furnaces Sectional Committee Sectional Committee, MTD 26

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : MTD 26 (26884) 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 : 25 December 2024

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 पर भी उपलब्ध है/हैं।

धन्यवाद।

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