



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)

मानक भवन, 9 बहादुरशाह जफर मार्ग नई, दिल्ली-110002

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi-110002

Phones: 23230131 / 23233375 / 23239402

Website: www.bis.org.in, www.bis.gov.in

Review Document

Basic Details

| | | |
|----|----------------------------------|--|
| 1. | Sectional Committee No. & Title: | MED 17 - Chemical Engineering Plants And Related Equipment |
| 2. | IS No : | IS 2379 : 1990 |
| 3. | Title : | Pipelines - Identification - Colour code (First Revision) |
| 4. | Date of Previous Review: | July, 2020 |

Review Analysis

5.1 Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.

| S.No. | Standard (No.) | Standard (Title) | Whether the standard has since been revised | Major changes | Action proposed |
|-------|------------------|--|---|---|---|
| 1 | BS 1710:1984 | Specification for Identification of Pipelines and Services | BS 1710:2014 | The new revision: • Refines the labelling system to aid identification • the water systems section has been amended and the labelling for water services expanded; • colour coding and sizing of markings reviewed and amended • Removes ship systems | BS 1710:2014 Specification for Identification of Pipelines and Services may be referred for assistance. |
| 2 | ASME A13.1: 1981 | Scheme for the Identification of Piping Systems | ASME A13.1: 2020 | Definition for "piping" was added, and other existing definitions—"combustible," "fire quenching," "flammable," "oxidizing," "piping systems," and "toxic and corrosive"—were reworded and moved to single section for definitions. • Paragraph 3.3 from ASME A13.1-2015, which is now 4.3, was expanded to specify that legends should be applied close to valves or flanges, along with provisions for this and for when applying in this manner is impractical. To reflect this alteration, the paragraph, formerly "Visibility," was renamed "Placement." • Former paragraph 3.5, "Unusual or Extreme Situations," was revised in its entirety and replaced by 4.5, "Abandoned Piping." This new section details identification for piping that has been abandoned, including the recommended color scheme and border | ASME A13.1: 2020 – Scheme for the Identification of Piping Systems may be referred for assistance. |

5.2 Status of standard referred in the IS.

| S.No. | Referred standards (No.) | Referred standards (Title) | Since revised IS no. of the corresponding IS | Changes in the referred Standards since last review of IS | Changes in the referred standard which are affecting the standard under review | Action proposed |
|-------|--------------------------|---|--|---|--|-----------------|
| 1 | IS 2339 : 1963 | Aluminium paint for general purposes, in dual container | IS 2339:2013 | Restriction of lead content | NA | NA |
| 2 | IS 5 : 1978 | Colours for ready mixed paints and enamels (third revision) | IS 5 : 2007 | Colour values revised | NA | NA |

5.3 Any other standards available related to the subject & scope of the standard being reviewed (International/regional/other national/association/consortia, etc or of new or revision of existing Indian Standard).

| S.No. | Standard (No.) | Standard (Title) | Provisions that could be relevant while reviewing the IS | Action proposed |
|-----------------------------|----------------|------------------|--|-----------------|
| No entry made in this table | | | | |

5.4 Technical comments on the standard received, if any.

| S.No. | Source | Clause of IS | Comment | Action proposed |
|-----------------------------|--------|--------------|---------|-----------------|
| No entry made in this table | | | | |

5.5 Information available on relevant technical developments

| S.No. | Source | Development | Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.) | Action proposed |
|-----------------------------|--------|-------------|--|-----------------|
| No entry made in this table | | | | |

5.6 Issues arising out of changes in any related IS or due to formulation of new Indian Standard.

| S.No. | Related IS (revised or new) | Related IS Title | Provision in the IS under review that would be impacted & the clause no. or addition of new clause/provision | Changes that may be necessary in the Standards under review | Action proposed |
|-----------------------------|-----------------------------|------------------|--|---|-----------------|
| No entry made in this table | | | | | |

5.7 Any consequential changes to be considered in other IS.

| S.No. | Related IS to get impacted | Related IS Title | Requirements to be impacted |
|-------|----------------------------|---|-------------------------------------|
| 1 | IS 2065-1983 | Code of practice for water supply in buildings (Second Revision) | Reference to IS 2379 to be updated. |
| 2 | IS 6044 : Part 1-2018 | Liquefied petroleum gas storage installations - Code of practice: Part 1 residential, commercial and industrial cylinder installations (Third Revision) | Reference to IS 2379 to be updated. |
| 3 | IS 15461-2004 | Performance guidelines for quality assurance in hospital services up to 100 - Bedded hospitals | Reference to IS 2379 to be updated. |
| 4 | IS 660-1963 | Safety code for mechanical refrigeration | Reference to IS 2379 to be updated. |
| 5 | IS 15190 : Part 1-2002 | Acetylene pipelines - Code of practice: Part 1 for pressures up to 155 kPa (G) | Reference to IS 2379 to be updated. |
| 6 | IS 15190 : Part 2-2002 | Acetylene pipelines - Code of practice: Part 2 for pressures from 155 kPa (G) to 2550 kPa (G) | Reference to IS 2379 to be updated. |
| 7 | IS 4209-2013 | Chemical laboratories - Code of safety (Second Revision) | Reference to IS 2379 to be updated. |

Other Details

| | | |
|----|--|--|
| 6. | Any other observation: | |
| 7. | Upload Supporting Document(s) | |
| | 7.1 ARP Report | 68_2203061646577241_ARP_Report.docx |
| | 7.2 Draft Document | 68_2203061646577275_Draft_Document.docx |
| 8. | Recommendations - On the basis of the analysis of the info available as mentioned above consideration of sectional committee is solicited on the following aspects of the IS under review: | The draft for the purpose of revision of Indian standard is attached herewith for consideration. |