

Indian Standard
**EXTERNAL HYDRANT SYSTEMS — PROVISION AND
MAINTENANCE — CODE OF PRACTICE**
(*First Revision*)

1 SCOPE

This standard covers provision of installation inspection and maintenance of hydrant systems in medium and large scale industrial risks (other than petroleum refining and petrochemical plants which are governed by OISD standards).

2 REFERENCES

The standards listed at Annex A contain provisions which through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated at Annex A.

ANNEX A

(*Clause 2*)

LIST OF REFERRED INDIAN STANDARDS

IS No. Title

5 : 2007 Colours for ready mixed paints and enamels (<i>fifth revision</i>)	1536: 2001 Specification for centrifugally cast (spun) iron pressure pipes for water gas and sewage (<i>fourth revision</i>)
636 : 1988 Specification for non-percolating flexible fire fighting delivery hose (<i>third revision</i>)	1537 : 1976 Specification for vertically cast iron pressure pipes for water, gas and sewage (<i>first revision</i>)
780 : 1984 Sluice valves for water works purposes (50 to 300 mm size)	1538 : 1993 Specification for cast iron fittings for pressure pipes for water, gas and sewage (<i>third revision</i>)
903 : 1993 Specification for fire hose delivery couplings, branch pipe, nozzles and nozzle spanner (<i>fourth revision</i>)	1641 : 2013 Code of practice for fire safety of buildings(general): general principles of fire grading and classification (<i>second revision</i>)
908 : 1975 Specification for fire hydrant stand post type (<i>second revision</i>)	1646 : 1997 Code of practice for fire safety of buildings (general): Electrical installations
909 : 1992 Specification for underground fire hydrant sluice valve type (<i>third revision</i>)	1879 : 2010 Malleable cast iron pipe fittings _ Specification
1239 Specification for steel tubes, tubular and other wrought steel fittings : (Part 1) : 2004 Steel tubes (<i>sixth revision</i>)	2745 : 1983 Specification for Non-metal helmet for firemen and civil defence personnel (<i>second revision</i>)
(Part 2) : 2011 Steel pipe fittings (<i>fifth revision</i>)	2871 : 2012 Specification for branch pipe,

(PREVIEW)

universal for fire fighting purposes (*second revision*)

2925 : 1984 Specification for Industrial Safety Helmets

3844 : 1989 Code of practice for installation and maintenance of internal fire hydrants and hose reels on premises (*first revision*)

3589 : 2001 Specification for steel pipes for water and sewage (168.3 to 2 540mm outside diameter) (*third revision*)

3950 : 1979 Specification for surface boxes for sluice valves (*first revision*)

4927 : 1992 Specification for unlined flax canvas hose for fire fighting (*first revision*)

4989 (Part 4) : Specification for multipurpose 2003 aqueous film forming foam liquid concentrate for extinguishing hydrocarbon and polar solvent fires.

4984 : 1995 Specification for high density polyethylene pipes for potable water supplies (*fourth revision*)

4985 : 2000 Specification for unplasticized PVC pipes for potable water supplies (*third revision*)

5290 : 1993 Specification for landing valves (*third revision*)

5822 : 1994 Code of practice for laying of electrically welded steel pipes for water supply (*second revision*)

7181 : 1986 Specification for horizontally cast iron double flanged pipes for water, gas and sewage (*first revision*)

8329: 2000 Specification for centrifugally cast (spun) ductile iron pressure pipes for water, gas and sewage (*third revision*)

8423 : 1994 Specification for controlled percolating hose for fire fighting (*first revision*)

8442 : 2008 Stand post type water and foam monitor for fire fighting — Specification

10221 : 2008 Code of practice for coating and wrapping of underground mild steel pipelines (*first revision*)

12469 : 1988 Specification for pumps for fire fighting system

12835 Code of practice for design and installation of fixed fire extinguishing system

(Part 1) : 1989 Low expansion foam

14846: 2000 Specification for sluice valves for water works purposes (50 to 1 200 mm size)

15105 : 2002 Design and Installation of Fixed Automatic Sprinkler Fire Extinguishing Systems — Code of Practice 18

15325: 2003 Code of practice for design and installation of fixed automatic high and medium velocity water spray system

16088 : 2012 Specification for chlorinated polyvinyl chloride (CPVC) pipes for automatic sprinkler fire extinguishing system

SP 7: 2005 National Building Code of India