

(PREVIEW)

Indian Standard**PROVISION AND MAINTENANCE OF WATER
SUPPLIES FOR FIRE FIGHTING — CODE OF
PRACTICE****FOREWORD**

This Indian Standard was adopted by the Bureau of Indian Standards on 24 January 1990, after the draft finalized by the Fire Fighting Sectional Committee had been approved by the Civil Engineering Division Council.

Water has been the main fire extinguisher media used to contain and extinguish fires from times immemorial. Water and foam in which water is used in large quantities also continue to be most commonly used extinguish media. For adequate fire fighting appliances are normally used with the water. Water is also used for the internal hydrants system, sprinkler systems and external hydrants therefore suitable guidelines for the provision of water supply so as to cover various fire risk areas are being covered in this standard. The requirements in this code have been kept minimum possible level in view of the shortage of water (was in some areas water for drinking is also not sufficiently available) however where circumstances need considering the safety aspects the requirements may be suitably increased.

This standard covering provision and maintenance of water supply and external hydrant systems, (covering installation inspection and maintenance) issued in year 1980. In this revision the provision of external hydrant system etc, have been separated and are being covered in detail in a separate new Indian Standard aligning with the provision of internal type fire hydrant systems covered in IS 3844 : 1989 'Code of practice for installation and internal hydrants and hose-reel on premises (*First revision*)' on the experience gained in the use of this standard, the requirements in respect of the provision of water supply has been up-dated keeping in line with the TAC requirements. The provision in respect of water supply requirements for sprinkler systems are being covered in a separate Indian Standard.

1 SCOPE

1.1 This standard covers guidelines for the provision and maintenance of water supply for fire fighting.