

1.4 CODE OF PRACTICES AND SPECIFICATIONS

A code is a set of technical specifications intended to control the design and construction. The code can be legally adopted to see that sound structure is designed and constructed code specifies acceptable methods of design and construction to produce safe structures.

National building code have been formulated in different countries to lay down guidelines for the design and construction of structures. International code council located in USA has published international building code. National building code (NBC - 2005) published in India describes the specification and design procedure for buildings.

For designing reinforced concrete following codes of different countries are available

- India - IS456 - 2000 - Plain and reinforced concrete code practice.
- USA - ACI 318-2011 - Building code requirements for Structural concrete (American concrete institute)
- UK - BS8110 -part1 - structural use of concrete -code of practice for design and construction. (British standard Institute)
- Europe - EN 1992(Euro code 2) - Design of concrete structures
- Canada - CAN/CSA - A23.3-04 - Design of concrete structures (Reaffirmed in 2010),
- Australia - As 3600 -2001 - concrete structures.
- Germany - Din 1045 - Design of concrete structures
- Russia - SNIP
- China - GB 50010 -2002 code for design of concrete structures to help the designers, each country has produced 'handbook'. In India following hand books called special publication are available.
- SP - 16-1980- Design Aid for Reinforced concrete to IS456-1978
- SP - 23-1982- Hand book on concrete mixes
- SP - 24 -1983 - Explanatory hand book on IS456 - 1978
- SP - 34-1987 - Hand book on concrete reinforcement and detailing.