

(PREVIEW)

*Indian Standard*

# PROTECTION OF BUILDINGS AND ALLIED STRUCTURES AGAINST LIGHTNING — CODE OF PRACTICE

## 1 SCOPE

**1.1** This Code outlines the general technical aspects of lightning, illustrating its principal electrical, thermal and mechanical effects. Guidance is given on how to assess the risk of being struck and it offers a method of compiling an index figure as an aid in deciding if a particular structure is in need of protection.

**1.2** The Code also offers guidance on good engineering practice and the selection of suitable materials. Recommendations are made for special cases such as explosives stores and temporary structures, for example, cranes, spectator stands constructed of metal scaffolding.

**1.3** Where current carrying conductors are directly associated with structures coming within the scope of this Code, certain recommendations relating to them are included; however, the protection of overhead telephone wires, radar stations, electric traction and supply lines should, on account of their special nature, be referred to the specialists.

## 2 REFERENCES

2.1 The following Indian Standards are necessary adjuncts to this standard:

| IS No.         | Title  |
|----------------|--|
| IS 732 : 1989  | Code of practice for electrical wiring installation ( third revision ) |
| IS 3043 : 1987 | Code of practice for earthing (first revision )                        |