

(PREVIEW)

*Indian Standards***GUIDE FOR THE SELECTION OF
INSULATORS IN RESPECT OF
POLLUTED CONDITIONS****1 SCOPE**

1.1 This guide is mainly applicable to three-phase systems up to 52.5 kV (phase-to-phase). For higher voltages, the possible non-linear performance of insulators is still under study.

1.2 This guide is applicable to outdoor ceramic and glass insulators used in ac systems, of the following types:

- a) Long-rod and traction line insulator,
- b) Cap and pin insulator,
- c) Pedestal type post and rigid pin insulator,
- d) Substation and line post insulator,
- e) Hollow insulator, and
- f) Bushing.

1.3 This guide cannot directly be used for special types of insulators such as insulators with conductive glaze, or covered, during the manufacturing, with any insulating material, for surge arresters and also for longitudinal insulation for open circuit-breakers. This guide does not deal with radio interference voltage, television interference voltage and audible noise, the intensity of which may be increased on some polluted insulators.

2 REFERENCES

2.1 The following Indian Standards have been referred and are necessary adjuncts to this standard:

<i>IS No.</i>	<i>Title</i>
1885 (Part 54) : 1980	Electrotechnical vocabulary: Part 54 Insulators
8704 : 1978	Method for artificial pollution tests on high voltage insulators for use on ac systems
2165 : (in various Parts)	Insulation co-ordination