

Indian Standard

**CHOICE OF GROUTING MATERIALS FOR
ALLUVIAL GROUTING – GUIDELINES**

1 SCOPE

1.1 This standard lays down guidelines to cover primarily both suspension and solution grouts with particular reference to alluvial grouting. Under suspension grouts, grout materials like cement, clays, bentonite, flyash, etc, are covered, whereas under solution grouts, chemical grout materials are covered.

1.2 This standard does not cover compaction grouting or grouting for reducing compressibility of soil which is excluded from the scope of this standard.

2 REFERENCES

The Indian Standards listed below are necessary adjuncts to this standard:

<i>IS No.</i>	<i>Title</i>
269 : 1989	Specification for 33 grade ordinary Portland cement (fourth <i>revision</i>)
383 : 1970	Specification for coarse and fine aggregates from natural sources for concrete
1344 : 1981	Specification for calcined clay pozzolana
1489 (Part 1) : 1991	Specification for Portland pozzolana cement: Part 1 Fly ash based (<i>third revision</i>)
1489 (Part 2) : 1991	Specification for Portland pozzolana cement: Part 2 Calcined clay based (<i>third revision</i>)
1892 : 1979	Code of practice for sub surface investigations for foundations (<i>first revision</i>)
3812 : 1981	Specification for fly ash for use as pozzolana and admixtures (<i>first revision</i>)
4999 : 1991	Recommendations for grouting of pervious soils (<i>first revision</i>)
5529 (Part 1) : 1985	Code of practice for <i>in-situ</i> permeability test: Part 1 Test in overburden
11293 (Part 1) : 1985	Guidelines for the design of grout curtains: Part 1 Earth and Rockfill dams
12584 : 1989	Specification for bentonite for grouting in civil engineering works