

Indian Standard

RECOMMENDATIONS FOR GROUTING OF PERVIOUS SOILS

(*First Revision*)

1 SCOPE

1.1 This standard gives recommendations for grouting of pervious soils for control of seepage. These are applicable wherever the primary purpose of grouting is to reduce the permeability of the soil. In such cases, consolidation of the soil would be a subsidiary objective.

1.2 After the width and depth of the curtain is decided as contained in IS 11293 (Part 1) : 1985 or any other relevant Indian Standard, it is necessary to choose the equipment, materials and field techniques so that the desired impermeabilization can be achieved with reasonable assurance. The principal objective of these recommendations is to set out the basic considerations governing choice of grout materials, equipment and field procedures.

2 REFERENCES

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

<i>IS No.</i>	<i>Title</i>
1892 : 1979	Code of practice for subsurface investigations for foundations (<i>first revision</i>)
2132 : 1986	Code of practice for thin walled tube sampling of soils (<i>second revision</i>)
4453 : 1989	Code of practice for subsurface exploration by pits, trenches, drifts and shafts (<i>first revision</i>)
5529(Part 1) : 1985	Code of practice for in situ permeability test: Part 1 Tests in overburden (<i>first revision</i>)
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