

Indian Standard

GEOTECHNICAL INVESTIGATION FOR POWER HOUSE SITES — CODE OF PRACTICE

(First Revision)

1 SCOPE	<i>IS No.</i>	<i>Title</i>
1.1 This standard gives guidance on the type, extent and details of subsurface exploration needed in connection with hydroelectric power houses both surface and underground.	5249 : 1992	Method of test for determination of dynamic properties of soil (<i>second revision</i>)
	5529	Code of practice for <i>in-situ</i> permeability test:
1.1.1 This standard provides guidelines for planning the exploratory work, through various stages of the project development. These recommendations may have to be modified for individual projects, depending upon the site conditions and other conditions peculiar to each project, such as height and importance of the power house and the heterogeneity of foundation formations.	(Part 1) : 1985	Tests in overburden (<i>first revision</i>)
	(Part 2) : 2006	Tests in bedrock (<i>second revision</i>)
	6955 : 2008	Code of practice for subsurface exploration for earth and rockfill dams (<i>first revision</i>)
1.2 The term subsurface exploration, as used herein, covers all types of exploration connected with determination of the nature and extent of surface and subsurface media at or near the power house site.	6926 : 1996	Diamonds core drilling for site investigation for river valley projects — Code of practice (<i>first revision</i>)
1.3 This standard does not, however, cover the types and methods of exploration for materials of construction for power houses, such as, aggregate and material for riprap.	7317 : 1993	Code of practice for uniaxial jacking test for deformation modulus of rock (<i>first revision</i>)
	13946	Determination of rock stress — Code of practice.
2 REFERENCES	(Part 1) : 1994	Using hydraulic fracturing technique
The standards listed below contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on these standards are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.	(Part 4) : 1994	Using flat jack technique
	<i>IS No.</i>	<i>Title</i>
	1888 : 1982	Method of load test on soils (<i>second revision</i>)
	1892 : 1979	Code of practice for subsurface investigations for foundations (<i>first revision</i>)
	1893 : 1984	Criteria for earthquake resistant design of structures (<i>fourth revision</i>)
	2131 : 1981	Method for standard penetration test for soils (<i>first revision</i>)