

*Indian Standard*

**GEOLOGICAL EXPLORATION FOR GRAVITY DAMS  
AND OVERFLOW STRUCTURES –  
CODE OF PRACTICE**

**1 SCOPE**

This standard lays down guidelines for the requirement and extent of geological explorations to be carried out for gravity dams and overflow structures in order to evaluate geological and geomechanical characteristics of dam foundations and abutments, for evolving safe and economic designs for construction of these structures. For achieving this objective, guidelines have been given in this standard. However, special explorations may have to be carried out, if extraordinary geological conditions, such as landslide, subsidence, caverns major fault/shear zones, excessive spring flow, gas emanations, etc, are encountered during preliminary investigations. Significance of such adverse geological features in relation to the proposed structure is to be thoroughly understood for estimation of the magnitude of the problem and for devising appropriate treatment/remedial measures.

**2 REFERENCES**

The following standards 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 this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
6955 : 1973	Code of practice for subsurface exploration for earth and rock fill dams
6065 (Part 1) : 1985	Recommendations for the preparation of geological and geotechnical maps for river valley projects: Part 1 Scales( <i>first revision</i> )