

(PREVIEW)

IS 15681 : 2006

Indian Standard

**GEOLOGICAL EXPLORATION BY GEOPHYSICAL
METHOD (SEISMIC REFRACTION) —
CODE OF PRACTICE**

1 SCOPE

1.1 This standard deals with seismic refraction method including the equipment, field procedures, and interpretation of data for assessment of subsurface materials. Seismic refraction measurements, as described in this standard, are applicable in mapping subsurface conditions for various uses including geological, geotechnical, hydrological, environmental, mineral and archaeological investigations. The calculated seismic wave velocity is related to the type of rock, degree of weathering, and rippability assessment on the basis of seismic velocity and other geologic information.

1.2 Interpretation of the data collected during the seismic refraction survey is referred to in this standard only in a general way. For full details of the theory, field procedure, or interpretation of the data, reference should be made to specialized texts.