

STANDARD PENETRATION TEST

BE 26

The Standard Penetration Test (SPT) is a widely used in-situ test to evaluate soil properties. It measures penetration resistance by counting the number of blows (N-value) needed to drive a split spoon sampler 300 mm into the ground using a 65 kg hammer falling from 750 mm. The N-value indicates the degree of compactness for cohesionless soils (e.g., sand) and consistency for cohesive soils (e.g., clay), aiding in foundation design and assessing liquefaction potential under dynamic forces like earthquakes. Measures undisturbed soil strength and liquefaction resistance. A 65 kg weight drops 750 mm to drive a sampler 300 mm; blow count (N) is recorded. Foundation design, soil classification, and seismic risk assessment.

STANDARD FOLLOWING

IS 2131, IS 9640, ASTM D-1586

DESCRIPTION

BE 26-01	Split Spoon Sampler	50.8 mm Outer Dia and 38 mm Inner Dia
BE 26-02	Body	split lengthwise
BE 26-03	Shoe	hardened with an inside cutting edge
BE 26-04	Head	fitted with a ball check valve and adapter to connect 'A' type drill rod
BE 26-05	Drive Weight	Cast Iron, 63.5 kg, 78 mm bore ID approx.
BE 26-06	Guide Pipe Assembly	Bore 73 mm OD approx.
BE 26-07	Tripod	with Pulley and built-in Ladder & Rope

