



Soil

Sr. No	Description of Test	Test Method
1	In-situ Density by Sand Replacement Method Using Large / Small Pouring Cylinder	BS 1377 Part 9
2	In-place Density Test by Sand Cone Method	ASTM D 1556
3	In-situ Density Test Using Nuclear Densitometer	BS 1377 Part 9, ASTM D 6938
4	Dry Density – Moisture Content Relationship (MDD-OMC)	BS 1377 Part 4, ASTM D 1557
5	Particle Size Distribution / Sieve Analysis	BS 1377 Part 2
6	California Bearing Ratio	BS 1377 Part 4, AASHTO T 193, ASTM D 1883
7	Liquid Limit	BS 1377 Part 2, ASTM D 4318, AASHTO T 89
8	Plastic Limit & Plasticity Index	BS 1377 Part 2 AMD 9027, ASTM D 4318, AASHTO T 90
9	In-situ CBR	BS 1377 Part 9
10	Moisture Content	BS 1377 Part 2, ASTM D 2216
11	Moisture Content by Calcium Carbide Gas Pressure Tester	ASTM D 4944

12	Sieve Analysis - Hydrometer Method	BS 1377 Part 2, ASTM D 422
13	Linear Shrinkage	BS 1377 Part 2
14	Soil Classification	ASTM D 2487, ASTM D 3282, AASHTO M 145
15	Shear Box Test	BS 1377 Part 7
16	Soil Permeability	BS 1377 Part 5
17	Coefficient of Uniformity (Cu)	ASTM D 2487
18	Plate Load Tests	ASTM D 1194, BS 1377 Part 9
19	Maximum and Minimum Density	BS 1377 Part 4
20	Bulk Density and Dry Density	BS 1377 Part 2
21	Theoretical Density (Zero Void Condition)	BS 1377 Part 4
22	Particle Density	BS 1377 Part 2
23	Determination of Moisture Content	BS 1377 Part 2
24	Percolation Test	IHTP - 02
25	Dynamic Cone Penetration Test (DCPT)	ASTM D 6951
26	In-situ Density of Soil in Place (Sleeve Method)	ASTM D 4564
27	Thermal Conductivity in Soil	ASTM D 5334

28	Electrical Resistivity	BS 1377 Part 3
29	Moisture Condition Value (MCV)	BS 1377 Part 4
30	Determination of Bulkage Factor of Natural Soil Deposits, Compaction Factor & Shrinkage Factor	IHTP-34
31	Laboratory Compaction Characteristics of Soil Using Standard Effort	ASTM D 698, AASHTO T 99
32	Triaxial Compression Test on Cohesive Soils	ASTM D 2850, ASTM D 4767