

1.2.18 All equipments, materials and procedure associated with the geotechnical work should comply with the latest editions of relevant standards and codes of practice as listed:

- BS 5930: 1999 British Code of Practice for site investigation.
- BS 8002-1994 British Code of Practice for Earth retaining structures
- BS 6031-1981 British Code of Practice for Earth works
- BS 8004-1986 British Code of Practice for Foundations
- ASTM Volume 4.08 “Soil & Rock”, where applicable.
- ASTM D 2938-95 for Unconfined Compressive Strength and sample comply with ASTM D 4543 – 08, Cl.3.1.
- BS 1377-1990 Methods of tests for Soils for civil engineering purposes
- BS1377-9:1990, 3.3 for standard penetration test.
- BS 1377-9:1990, 4.1 for plate load test.
- BS 1377-9:1990, 2.1 and 2.2”, Core cutter methods “BS 1377-9:1990, 2.4”, Water replacement method “BS 1377-9:1990, 2.3”, Rubber ballon method “ASTM D 2167-08” and Nuclear methods “BS 1377-9:1990, 2. For soils bulk densities, Sand replacement method “
- BS 1377:1990 Part 3 AMD 9028/96 C l.5, Cl.7 & C1.9 for Chemical Analysis of Soil and Water.
- BS 1377:1990 Part 2 AMD 9027, Method 3 for moisture content.
- BS 1377:1990 Part 1 Cl.7.3 AMD 8258/95 for Particle Size Analysis and BS 1377:1990 Part 2 Cl.9.2 AMD 9027/96 for test method.
- BS 1377:1990 Part 2 AMD 9027, Method 4.3 for liquid limit for clayey soils.
- BS 1377:1990 Part 2 AMD 9027, Method 5 for plastic limit and plasticity index for clayey soils.
- BS 1377:1990 Part 2 Cl. 6.5.4 for linear shrinkage.
- BS 1377: 1990 Part 4 Cl. 7 for CBR tests.

- BS 1377. Part 2: 1990 Method 8.3 for Specific Gravity (Particle Density). Method soil samples to be prepared according to BS 1377, Part 1 1990, clauses 7.3 & 7.4.4.
- BS 1377: Part 3: 1990 (Amd. 9028/96) Cl. 5.2(Acid Extract) / (Water Extract). For Test Method: BS 1377: Part 3: 1990 (Amd./9028) Cl. 5.5 (Water Extract / Acid Extract). Sulphate Content of Soil: For Sample Preparation.
- BS 1377: Part 3: 1990 (Amd. 9028/96) Cl. 7.2.3 (Water Extract) / 7.3.3 (Acid Extract). For Test Method: BS 1377: Part 3: 1990 (Amd. 9028/96) Cl. 7.2 (Water Extract) / 7.3 (Acid Extract). Chloride Content of Soil: For Sample Preparation.
- BS 1377: Part 3: 1990 (Amd. 9028/96) Cl. 9.4. For Test Method: BS 1377: Part 3: 1990 (Amd. 9028/96) Cl 9.5. pH of Soil: For Sample Preparation.
- BS 1377: Part 3: 1990 (Amd. 9028/96) Cl. 5.4. For Test Method: BS 1377: Part 3: 1990 (AMD. 9028/96) Cl. 5.5. Sulphate Content of Ground Water: For Sample Preparation.
- BS 1377: Part 3: 1990 (AMD. 9028/96) Cl. 5.4. For Test Method: BS 1377: Part 3 1990 (Amd. 9028/96) Cl. 7 (Mohr Method). Chloride Content of Ground Water: For Sample Preparation.
- BS 1377: Part 3: 1990. Gypsum Content.
- BS 1377: Part 3: 1990 (Amd. 9028/96) Cl.9.4. Test Method: BS 1377: Part 3: 1990 (Amd. 9028/96) Cl. 9.5. pH of Ground Water: For Sample Preparation.
- BS 1377: Part 3: 1990, Cl.6 (Amd. 9028/96) - Determination of the Carbonate Content .
- BS 1377 : Part 3 : 1990, Cl.3 (Amd. 9028/96) - Determination of the Organic Matter Content. Table (1.8) is for Carbonate Classification System
- ASTM D 5731-02 - Determination of the Point Load Strength Index of Rock
- BS 1377: Part 7: 1990, Cl.4 (Amd.8262/94) - Determination of Shear Strength by direct Shear (small shear box apparatus)
- ASTM D 2664-04 -Standard Test Method for Tri-axial Compressive Strength of Un-drained Rock Core Specimens without pore Pressure Measurements.