



Valid until 18 April 2016  
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As an accredited laboratory, this laboratory is entitled to use the following accreditation symbol.



ISO/ IEC 17025  
TL 035-01

## Schedule of Accreditation

Accreditation Scheme for Testing Laboratories  
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: TL 035-01

**Geotechnical and Laboratory Services Division**  
**Access Engineering PLC**  
**No. 336/1, Jalthara**  
**Ranala**

**Scope of Accreditation:** Performing Mechanical Testing on Building Material (Soil, Aggregate and Concrete).

The laboratory is accredited for the following tests.

| SI | Product(s) / Material of test | Specific tests performed  | Test Method / Standard against which tests are performed | Range of testing/ Limits of detection  | Uncertainty (±)                 |
|----|-------------------------------|---|--|--|---------------------------------|
| 01 | Soil                          | Compaction – related tests (CBR - California Bearing Ratio)                 | BS 1377 Part 4: 1990                                     | 1 -80 %  | 1.6%                            |
|    |                               | Compaction- related tests (Proctor Compaction)                              | BS 1377 Part 4 : 1990                                    | Moisture content 0 to 50 %<br>Density 1 g/cm <sup>3</sup> to 3 g/cm <sup>3</sup> | 0.3 %<br>0.01 g/cm <sup>3</sup> |
|    |                               | Index Properties ( Plastic limit and plasticity index and liquidity Index ) | BS 1377 Part 2 & 4:1990                                  | LL – 10 % to 80 %<br>PL 1% to 40 %   | 0.3 – 1.5 %<br>0.2 – 0.9 %      |
|    |                               | Determination of Particle Size Distribution – Sieve Analysis                | BS 1377 Part 2 :1990 ( Section 9)                        | 75 µm to 50 mm   | 2 %                             |

| Sl | Product(s) / Material of test | Specific tests performed                            | Test Method / Standard against which tests are performed   | Range of testing/ Limits of detection | Uncertainty (±)           |
|----|-------------------------------|---|--|---------------------------------------|---------------------------|
| 01 | Soil                          | Moisture Content                                    | BS 1377 Part 2: 1990 ( Section 3.2, Oven – drying method ) | 0.1 – 40 %                            | 0.5 %                     |
|    |                               | Determination of Particle Density                   | BS 1377 Part 2.: 1990 ( Section 8 )                        | 1.5 to 3.0                            | 0.01                      |
|    |                               | Linear Shrinkage                                    | BS 1377 Part 2.:1990 ( Section 6 )                         | 0 to 50 %                             | 0.4 %                     |
| 02 | Rock/ Aggregate               | Determination of Particle Shape ( Flakiness Index ) | BS 812 Part 105.1 1989                                     | 1 – 50 %                              | 0.1 %                     |
|    |                               | Determination of Density (Particle Density)         | BS 812 Part 2: 1995  | 2 to 3.5                              | 0.01                      |
|    |                               | Determination of Density ( Water Absorption )       | BS 812 Part 2: 1995  | 1 -10 %                               | 0.1                       |
|    |                               | Aggregate Impact Value ( AIV)                       | BS 812 Part 112:1990                                       | 1 -50 %                               | 0.5 %                     |
|    |                               | Ten Percent Fines Value ( TFV)                      | BS 812 Part 111:1990                                       | 1 - 300 kN                            | 0.9 kN                    |
|    |                               | Determination of Particle Shape - Elongation Index  | BS 812 Part 105.2 1990                                     | 1 – 50 %                              | 0.1 %                     |
|    |                               | Aggregate Crushing Value (ACV)                      | BS 812 Part 110 1990                                       | 1 – 50 %                              | 0.5 %                     |
| 03 | Concrete                      | Concrete, Cube Compressive Strength (only crushing) | SLS 1144 Part 2 :1996                                      | 8.9-80 N/mm <sup>2</sup>              | 0.1-0.4 N/mm <sup>2</sup> |

Director /CEO  
Sri Lanka Accreditation Board for Conformity Assessment