



Valid from 07 April 2021
to 06 April 2024
Issued on 07 April 2021

As an accredited laboratory, this laboratory is entitled to
use the following accreditation symbol.



ISO/ IEC 17025
TL 064-03

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity Assessment
Accreditation Number: TL 064-03

Geotechnical Engineering Division
National Building Research Organization
No.99/1, Jawattha Road
Colombo 05

Scope of Accreditation: Performing Geo-Mechanical testing on Soil as per BS methods

The laboratory is accredited for the following tests.

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
01	Soil	Atterberg Limits using Casagrande Apparatus		
		1. Liquid limit	BS 1377: Part2:1990: Clause 4.5 (Determination of liquid limit),	0-600%
		2. Plastic limit	BS 1377: Part2:1990: Clause 5 (Determination of the plastic limit and plasticity index)	0-600%
		3. Plasticity index	BS 1377: Part2:1990: Clause 5 (Determination of the plastic limit and plasticity index),	0-300%
02	Soil	Atterberg Limits using Cone Penetrometer		
		1. Liquid limit	BS1377: Part2:1990: Clause 4.3 (Determination of liquid limit),	0-600%
		2. Plastic limit	BS1377:Part2:1990: Clause 5 (Determination of the plastic limit and plasticity index),	0-600%
		3. Plasticity index	BS1377:Part2:1990: Clause 5 (Determination of the plastic limit and plasticity index),	0-300%
03	Soil	Direct Shear test		
		1. Friction angle	BS1377:Part7:1990 (Determination of shear strength by direct shear –small shear box apparatus),	$26^{\circ} \leq 50^{\circ}$
		2. Cohesion		$0\text{kPa} \leq 400\text{kPa}$

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
04	Soil	Consolidation test		
		1. Pre consolidation pressure	BS1377:Part5:1990: Clause 3 (Determination of one-dimensional consolidation properties),	0-500 kPa
		2. Compression index		0 - 5
		3. Swelling index		0 - 5
05	Soil	Triaxial test		
		1. Undrained shear strength	BS1377:Part7:1990: Clause 8 (Determination of the undrained shear strength in triaxial compression without measurement of pore pressure)	0-500 kPa

C.N. Gnan

Director / CEO

Sri Lanka Accreditation Board for Conformity Assessment