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Accreditation Standard ISO/IEC 17025: 2005
Certificate Number TC-7791 **Page 1 of 1**
Validity 30.08.2018 to 29.08.2020 **Last Amended on** --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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MECHANICAL TESTING

I.	BUILDING MATERIALS			
1.	Concrete Cube	Compressive strength	IS 516	5 N/mm ² to 80 N/mm ²
II.	SOIL AND ROCK			
1.	Soil	Water content (WC)	IS 2720 (Part 2) Section 1	0.1 % to 100 %
		Grain size analysis (GSA)	IS 2720 (Part 4) Clause 3	0.01 % to 100 % (0.075 mm to 4.75 mm)
		Liquid limit (LL)	IS 2720 (Part 5) Clause 4 and 6	0.1 % to 100 %
		Plastic limit (PL)	IS 2720 (Part 5) Clause 7	0.01 % to 50 %
		Shrinkage factors (SF)	IS 2720 (Part 6)	0.1 % to 50 %
		Specific gravity (SG)	IS 2720 (Part 3, Sec 1)	1.5 to 2.9
		Free Swell Index (FSI)	IS 2720 (Part 40)	0.01 % to 400 %
		Direct shear test	IS 2720 (Part 13)	0.01 kg/cm ² to 1.0 kg/cm ² □: 0° to 40°
		Unconfined Compressive Strength (UCC)	IS 2720 (Part 10)	0.1 kg/cm ² to 10 kg/cm ²
		Light Compaction	IS 2720 (Part 7) Clause 5.1 to 5.2 Clause 6 and 7	MDD: 1.4 g/cc to 2.5 g/cc OMC: 5 % to 30 %
		Heavy Compaction	IS 2720 (Part 8) Clause 5.1 to 5.2 Clause 6 and 7	MDD: 1.4 g/cc to 2.5 g/cc OMC: 5 % to 30 %
		California Bearing Ratio (CBR)	IS 2720 (Part 16)	1 % to 30 %