Laboratory	SECON Private Limited-Geotechnical Laboratory, # 147, 7B Road, EPIP Zone, Whitefield, Bangalore, Karnataka		
Accreditation Standard	ISO/IEC 17025:2005		
Discipline	Mechanical Testing	Issue Date	12.09.2015
Certificate Number	T-1279	Valid Until	11.09.2017
Last Amended on	-	Page	1 of 2

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	SOIL & ROCK			
1.	Soil	Natural Moisture Content	IS 2720 (Part 2): 1973 (RA 2010)	1 % to 99 %
		Specific Gravity	IS 2720 (Part 3): 1980 (RA 2011)	2 to 3
		Grain Size Analysis Wet Sieving Hydrometer Analysis	IS 2720 (Part 4): 1985 (RA 2010)	Nil to 99.9% 0.05 % to 99.5%
		Liquid Limit	IS 2720 (Part 5): 1985 (RA 2010)	20 % to 80 %
		Plastic Limit	IS 2720 (Part 5): 1985 (RA 2010)	7 % to 40 %
		Shrinkage Limit	IS 2720 (Part 6): 1972 (RA 2011)	1 % to 18 %
		Consolidation	IS 2720 (Part 15): 1965 (RA 2011)	C _c : 0.09 to 0.99
		Swelling Pressure	IS 2720 (Part 41): 1977 (RA 2011)	0.05 kg/cm^2 to 4.0 kg/cm^2
		Free Swell Index	IS 2720 (Part 40): 1977 (RA 2011)	1 % to 200 %
		Permeability	IS 2720 (Part 36): 1987 (RA 2011)	10^{-3} cm/s to 10^{-9} cm/s
		Light & Heavy Compaction	IS 2720 (Part 7): 1980 (RA 2011) IS 2720 (Part 8): 1983 (RA 2010)	MDD 1.04 g/cc to 2.32 g/o OMC 1% to 20%
		Laboratory Determination of CBR	IS 2720 (Part 16): 1987 (RA 2011)	2 % to 80 %
		Direct Shear	IS 2720 (Part 13): 1986 (RA 2011	c: Upto 4 kg/cm ² Φ : 25° to 36°
		Unconfined Compression Test	IS 2720 (Part 10): 1991 (RA 2010)	0.1 kg/cm ² to 4 kg/cm ²
		Triaxial Unconsolidated Un-Drained Test	IS 2720 (Part 11): 1993 (RA 2011)	c: 0.1 kg/cm ² to 4 kg/cm ² Φ: 1° to 20°

Laboratory	SECON Private Limited-Geotechnical Laboratory, # 147, 7B Road, EPIP Zone, Whitefield, Bangalore, Karnataka		
Accreditation Standard	ISO/IEC 17025:2005		
Discipline	Mechanical Testing	Issue Date	12.09.2015
Certificate Number	T-1279	Valid Until	11.09.2017
Last Amended on	-	Page	2 of 2

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection		
2.	Rock Cores or Blocks / Irregular Lumps	Point Load Strength Index	IS 8764: 1998 (RA 2008)	1 MPa to 35 MPa		
II.	BUILDING MATERIALS					
1.	Burnt Clay Building Bricks	Dimensions	IS 1077: 1992 (RA 2011)	400 mm to 5000 mm		
		Compressive Strength	IS 1077: 1992 (RA 2011) IS 3495 (Part 1): 1992 (RA 2011)	1 N/mm^2 to 25 N/mm^2		
		Water Absorption	IS 1077: 1992 (RA 2011) IS 3495 (Part 2): 1992 (RA 2011)	1 % to 20 %		
		Efflorescence	IS 1077: 1992 (RA 2011)	Qualitative		