



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name NOBLE GEO-STRUCTS, DR. R.P. ROAD, 6 SATYAM, MULUND WEST, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5428 Page No. : 1 / 3

Validity 31/03/2019 to 30/03/2021 Last Amended on 29/04/2019

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	MECHANICAL- SOIL AND ROCK	Rock	Dry Density	IS 13030: 2016	1.5 g/cc to 3.30 g/cc
2	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index	IS 8764: 2014	70 kg/cm ² to 150 kg/cm ²
3	MECHANICAL- SOIL AND ROCK	Rock	Poissons Ratio	IS 9221: 2016	0.1 to 0.4
4	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030: 2016	0.02 % to 20 %
5	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS 13030: 2016	2.2 to 3.2
6	MECHANICAL- SOIL AND ROCK	Rock	Tensile strength	IS 10082: 2016	90 kg/cm ² to 300 kg/cm ²
7	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143: 2016	100 kg/cm ² to 1500 kg/cm ²
8	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 13030: 2016	0.1 % to 10 %
9	MECHANICAL- SOIL AND ROCK	Rock	Young Modulus	IS 9221: 2016	100 MPa to 8500 MPa
10	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720, P16: 2016	0.1 % to 80 %
11	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test	IS 2720, P 15: 2016	0.02 MPa to 0.8 MPa
12	MECHANICAL- SOIL AND ROCK	Soil	Direct shear	IS 2720 part- 13: 2011	0.02 to 1
13	MECHANICAL- SOIL AND ROCK	Soil	Field Dry density & Field moisture content	IS 2720 part -29: 2015	1.3 g/cc to 2.00 g/cc



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14	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 part -40: 2016	0.1 % to 350 %
15	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720, Part-4: 2015	0 % to 100 %
16	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis - Hydrometer method	IS 2720, Part-4: 2015	0 % to 100 %
17	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720, Part- 5: 2015	6 % to 100 %
18	MECHANICAL- SOIL AND ROCK	Soil	Modified Proctor Compaction Test MDD	IS 2720, Part-8: 2016	1.2 g/cc to 2.4 g/cc
19	MECHANICAL- SOIL AND ROCK	Soil	Modified Proctor Compaction Test OMC	IS 2720 Part 8: 2016	5 % to 25 %
20	MECHANICAL- SOIL AND ROCK	soil	Natural moisture content	IS 2720, Part-2: 2016	1 % to 150 %
21	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720, Part-5: 2015	6 % to 50 %
22	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720, Part-6: 2016	1 % to 25 %
23	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720, Part-3: 2016	2 to 3
24	MECHANICAL- SOIL AND ROCK	Soil	Standard Proctor Compaction Test	IS 2720, Part-7: 2016	1.2 g/cc to 2.4 g/cc
25	MECHANICAL- SOIL AND ROCK	soil	Standard Proctor Compaction Test	IS 2720 Part-7: 2016	6 % to 26 %
26	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Consolidated Drained- Angle	IS 2720 part-11: 2016	0 ° to 40 °
27	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Consolidated Drained-C	IS 2720 Part-11: 2016	0.01 MPa to 2 MPa



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28	MECHANICAL- SOIL AND ROCK	Soil	Triaxial consolidated undrained- Angle	IS 2720 Part-11: 2016	0 ° to 40 °
29	MECHANICAL- SOIL AND ROCK	Soil	Triaxial consolidated undrained -C	IS 2720, Part-11: 2016	0.01 MPa to 2 MPa
30	MECHANICAL- SOIL AND ROCK	Soil	Triaxial test(Unconsolidated Undrained Test)-Angle	IS 2720 part-11: 2016	0 ° to 40 °
31	MECHANICAL- SOIL AND ROCK	Soil	Triaxial test(Unconsolidated Undrained Test)-C	IS 2720 Part 11: 2016	0.02 MPa to 1 MPa
32	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 Part 10: 2015	0.01 kg/cm ² to 2 kg/cm ²
33	MECHANICAL- SOIL AND ROCK	Soil	Vane shear Test	IS 2720, Part-30: 2016	0.1 kg/cm ² to 2 kg/cm ²