National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : KSR GEOTECHNICAL TESTING AND RESEARCH SOLUTIONS PRIVATE LIMITED, PLOT NO. 1276, SECTOR-38, PHASE-I, HSIIDC INDUSTRIAL ESTATE, RAI, SONIPAT, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-14802 **Page No** 1 of 4

Validity 04/11/2024 to 03/11/2028 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Testing				
1	MECHANICAL- SOIL AND ROCK	Natural Stone	Apparent Porosity	IS 1124
2	MECHANICAL- SOIL AND ROCK	Natural Stone	Apparent Specific Gravity	IS 1124
3	MECHANICAL- SOIL AND ROCK	Natural Stone	Water Absorption	IS 1124
4	MECHANICAL- SOIL AND ROCKS	Natural Stone	Compressive Strength	IS 1121 (Part 1)
5	MECHANICAL- SOIL AND ROCKS	Natural Stone	Permeability	IS 4348
6	MECHANICAL- SOIL AND ROCKS	Natural Stone	True Specific Gravity	IS 1122
7	MECHANICAL- SOIL AND ROCKS	Rock	Dry Density	IS 13030
8	MECHANICAL- SOIL AND ROCKS	Rock	Modulus of Elasticity	IS 9221
9	MECHANICAL- SOIL AND ROCKS	Rock	Point Load Strength Index	IS 8764
10	MECHANICAL- SOIL AND ROCKS	Rock	Poisson's Ratio	IS 9221
11	MECHANICAL- SOIL AND ROCKS	Rock	Porosity	IS 13030
12	MECHANICAL- SOIL AND ROCKS	Rock	Rock Triaxial Compression Test (Cohesion)	IS 13047
13	MECHANICAL- SOIL AND ROCKS	Rock	Saturated Density	IS 13030
14	MECHANICAL- SOIL AND ROCKS	Rock	Tensile Strength - Brazilian Test	IS 10082
15	MECHANICAL- SOIL AND ROCKS	Rock	Triaxial Compression Test (Angle of Internal Friction)	IS 13047
16	MECHANICAL- SOIL AND ROCKS	Rock	Uniaxial Compressive Strength	IS 9143

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Certificate Number TC-14802 **Page No** 2 of 4

Validity 04/11/2024 to 03/11/2028 **Last Amended on** -

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17	MECHANICAL- SOIL AND ROCKS	Rock	Water Content	IS 13030
18	MECHANICAL- SOIL AND ROCKS	Soil	California Bearing Ratio - Soaked	IS 2720 (Part 16)
19	MECHANICAL- SOIL AND ROCKS	Soil	California Bearing Ratio - Unsoaked	IS 2720 (Part 16)
20	MECHANICAL- SOIL AND ROCKS	Soil	Compression Index using Consolidation Test (Cc)	IS 2720 (Part 15)
21	MECHANICAL- SOIL AND ROCKS	Soil	Constant Head Permeability Test	IS 2720 (Part 17)
22	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear (Consolidated Drained) (Angle of Internal Friction, phi)	IS 2720 (Part 13)
23	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear (Consolidated Drained) (Cohesion Value, c)	IS 2720 (Part 13)
24	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear (Consolidated Undrained) (Angle of Internal Friction, phi)	IS 2720 (Part 13)
25	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear (Consolidated Undrained) (Cohesion Value, c)	IS 2720 (Part 13)
26	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear (Unconsolidated Undrained) (Angle of Internal Friction, phi)	IS 2720 (Part 13)
27	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear (Unconsolidated Undrained) (Cohesion Value, c)	IS 2720 (Part 13)
28	MECHANICAL- SOIL AND ROCKS	Soil	Free Swell Index	IS 2720 (Part 40)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-14802 **Page No** 3 of 4

Validity 04/11/2024 to 03/11/2028 **Last Amended on** -

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29	MECHANICAL- SOIL AND ROCKS	Soil	Grain Size Analysis (Dry Sieve) (Sieve Size: 10 mm to 75 micron)	IS 2720 (Part 4)
30	MECHANICAL- SOIL AND ROCKS	Soil	Grain Size Analysis (Wet Sieve) (Sieve Size: 4.75 mm to 75 micron)	IS 2720 (Part 4)
31	MECHANICAL- SOIL AND ROCKS	Soil	Grain Size Analysis by Hydrometer	IS 2720 (Part 4)
32	MECHANICAL- SOIL AND ROCKS	Soil	Heavy Compaction (Maximum Dry Density)	IS 2720 (Part 8)
33	MECHANICAL- SOIL AND ROCKS	Soil	Heavy Compaction (Optimum Moisture Content)	IS 2720 (Part 8)
34	MECHANICAL- SOIL AND ROCKS	Soil	Light Compaction (Maximum Dry Density)	IS 2720 (Part 7)
35	MECHANICAL- SOIL AND ROCKS	Soil	Light Compaction (Optimum Moisture Content)	IS 2720 (Part 7)
36	MECHANICAL- SOIL AND ROCKS	Soil	Liquid Limit	IS 2720 (Part 5)
37	MECHANICAL- SOIL AND ROCKS	Soil	Plastic Limit	IS 2720 (Part 5)
38	MECHANICAL- SOIL AND ROCKS	Soil	Shrinkage Limit	IS 2720 (Part 6)
39	MECHANICAL- SOIL AND ROCKS	Soil	Specific Gravity	IS 2720 (Part 3/ Sec 1)
40	MECHANICAL- SOIL AND ROCKS	Soil	Triaxial Test (Consolidated Drained) (Angle of Internal Friction, phi)	IS 2720 (Part 12)
41	MECHANICAL- SOIL AND ROCKS	Soil	Triaxial Test (Consolidated Undrained) (Angle of Internal Friction, phi)	IS 2720 (Part 12)

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Certificate Number TC-14802 **Page No** 4 of 4

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42	MECHANICAL- SOIL AND ROCKS	Soil	Triaxial Test (Consolidated Undrained) (Cohesion Value, c)	IS 2720 (Part 12)
43	MECHANICAL- SOIL AND ROCKS	Soil	Triaxial Test (Unconsolidated Drained) (Cohesion Value, c)	IS 2720 (Part 12)
44	MECHANICAL- SOIL AND ROCKS	Soil	Triaxial Test (Unconsolidated Undrained) (Angle of Internal Friction, phi)	IS 2720 (Part 11)
45	MECHANICAL- SOIL AND ROCKS	Soil	Triaxial Test (Unconsolidated Undrained) (Cohesion Value, c)	IS 2720 (Part 11)
46	MECHANICAL- SOIL AND ROCKS	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)
47	MECHANICAL- SOIL AND ROCKS	Soil	Variable Head Permeability Test	IS 2720 (Part 17)
48	MECHANICAL- SOIL AND ROCKS	Soil	Water Content	IS 2720 (Part 2)