National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : S & R GEOTECHNIQUES PVT. LTD., SHOP NO-5 TO 9, BHAKATI ORNET, PLOT NO-71, SECTOR-35, KAMOTHE, NAVI MUMBAI, THANE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8156 **Page No** 1 of 14

Validity 27/01/2022 to 26/01/2024 **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 Facility				
1	CHEMICAL- SOIL AND ROCK	Clays & Soils	Carbonate (as CaCO3)	IS 2720 (Part 23)
2	CHEMICAL- SOIL AND ROCK	Clays & Soils	Carbonate (as CO2)	BS 1377 (Part 3 Clause 6)
3	CHEMICAL- SOIL AND ROCK	Clays & Soils	Chloride Content	BS 1377 (Part 3 Clause 7)
4	CHEMICAL- SOIL AND ROCK	Clays & Soils	Mass Loss on Ignition LOI (organic content)	BS 1377 (Part 3 Clause 4)
5	CHEMICAL- SOIL AND ROCK	Clays & Soils	Organic matter	IS 2720 (PART 22)
6	CHEMICAL- SOIL AND ROCK	Clays & Soils	pH Value	IS 2720 (PART 26)
7	CHEMICAL- SOIL AND ROCK	Clays & Soils	pH Value	BS 1377 (Part 3 Clause 9)
8	CHEMICAL- SOIL AND ROCK	Clays & Soils	Total Soluble Solids	IS 2720 (Part 21)
9	CHEMICAL- SOIL AND ROCK	Clays & Soils	Total Soluble Sulphates	BS 1377 (Part 3 Clause 5)
10	CHEMICAL- SOIL AND ROCK	Clays & Soils	Total Soluble Sulphates	IS 2720 (Part 27)
11	CHEMICAL- WATER	Construction Water	Acidity (ml of 0.02 N NaOH required to neutralize 100 ml sample using Phenolpthalein indicator)	IS 3025 (PART 22)
12	CHEMICAL- WATER	Construction Water	Alkalinity (ml of 0.02 N H2SO4 required to neutralize 100 ml sample using mixed indicator)	IS 3025 (PART 23)
13	CHEMICAL- WATER	Construction Water	Chloride Content	IS 3025(PART 32)
14	CHEMICAL- WATER	Construction Water	Organic & Inorganic content	IS 3025 (PART 18)
15	CHEMICAL- WATER	Construction Water	pH	IS 3025 (PART 11)
16	CHEMICAL- WATER	Construction Water	Sulphate Content	IS 3025(PART 24)
17	CHEMICAL- WATER	Construction Water	Total Dissolved Solids	BS 1377 (Part 3)
18	CHEMICAL- WATER	Ground water	Acidity (ml of 0.02 N NaOH required to neutralize 100 ml sample using Phenolpthalein indicator)	IS 3025 (Part 22)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8156 **Page No** 2 of 14

Validity 27/01/2022 to 26/01/2024 **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
19	CHEMICAL- WATER	Ground water	Alkalinity (ml of 0.02 N H2SO4 required to neutralize 100 ml sample using mixed indicator)	IS 3025 (Part 23)
20	CHEMICAL- WATER	Ground water	Chloride Content	IS 3025 (Part 32)
21	CHEMICAL- WATER	Ground water	Organic & Inorganic content	IS 3025 (Part 18)
22	CHEMICAL- WATER	Ground water	pH Value	IS 3025 (Part 11)
23	CHEMICAL- WATER	Ground water	Sulphate Content	IS 3025 (Part 24)
24	CHEMICAL- WATER	Ground water	Total Dissolved Solids	BS 1377 (Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
26	MECHANICAL- BUILDINGS MATERIALS	Agreegate	Petrographic Analysis	IS 2386 (Part 8)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Deleterious Materials	IS 2386 (Part 1 & 2)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness by Na2SO4/ MgSO4	IS 2386 (Part 5)
29	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive strength Cube	IS 516
30	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength Core	IS 516
31	MECHANICAL- BUILDINGS MATERIALS	Concrete	Dynamic modulus of Elasticity	BS 1881-209
32	MECHANICAL- BUILDINGS MATERIALS	Concrete	Longitudinal, Flexural and Torsional Resonance Testing	ASTM C 666-15
33	MECHANICAL- BUILDINGS MATERIALS	Concrete	Longitudinal, Flexural and Torsional Resonance Testing	ASTM C215-19
34	MECHANICAL- BUILDINGS MATERIALS	Concrete	Petrographic Analysis	ASTM C 856 /C856 M - 20
35	MECHANICAL- BUILDINGS MATERIALS	Concrete	Pull Out Test -Reinforced Concrete	IS 2770 (PART-1)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Materials	IS 2386 (PART 2)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulking of sand	IS 2386 (Part 3)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8156 **Page No** 3 of 14

Validity 27/01/2022 to 26/01/2024 **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
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer than 75 microns	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Organic Impurities	IS 2386 (Part 2)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sand Equivalent Test	IS 2720 (Part 37)
42	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (Sieve Size: 150µm to 10 mm)	IS 2386 (Part 1)
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Silt Content	CPWD Specification 91- 92 - Appendix D
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness by Na2SO4/ MgSO4	IS 2386 (PART 5)
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
46	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid Limit	IS 12446
47	MECHANICAL- SOIL AND ROCK	Bentonite	Natural Moisture Content	IS 12446
48	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186
49	MECHANICAL- SOIL AND ROCK	Building Stone	Compressive Strength of Natural Building Stones	IS 1121 (Part 1)
50	MECHANICAL- SOIL AND ROCK	Building Stone	Tensile Strength of Natural Building Stones	IS 1121 (Part 3)
51	MECHANICAL- SOIL AND ROCK	Building stone	Transverse Strength of Natural Building Stones	IS 1121 (Part 2)
52	MECHANICAL- SOIL AND ROCK	Clays & Soils	California Bearing Ratio (Lab CBR) Soak & Unsoak	ASTM D 1883
53	MECHANICAL- SOIL AND ROCK	Clays & Soils	Consolidation test- Compression Index, Cc	ASTM D2435M-11
54	MECHANICAL- SOIL AND ROCK	Clays & Soils	Consolidation test Initial Void Ratio, eo	ASTM2435-11
55	MECHANICAL- SOIL AND ROCK	Clays & Soils	Free Swell Index	IS 12446
56	MECHANICAL- SOIL AND ROCK	Clays & Soils	Grain Size Analysis	ASTMD6913
57	MECHANICAL- SOIL AND ROCK	Clays & Soils	Heavy Compaction - Maximum Dry Density	ASTM D 1557

SCOPE OF ACCREDITATION

Laboratory Name : S & R GEOTECHNIQUES PVT. LTD., SHOP NO-5 TO 9, BHAKATI ORNET, PLOT NO-71, SECTOR-35, KAMOTHE, NAVI MUMBAI, THANE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8156 **Page No** 4 of 14

Validity 27/01/2022 to 26/01/2024 **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
58	MECHANICAL- SOIL AND ROCK	Clays & Soils	Heavy Compaction - Optimum Moisture Content	ASTM D 1557
59	MECHANICAL- SOIL AND ROCK	Clays & Soils	Light Compaction - Maximum Dry Density	ASTM D 698
60	MECHANICAL- SOIL AND ROCK	Clays & Soils	Light Compaction - Optimum Moisture Content	ASTM D698
61	MECHANICAL- SOIL AND ROCK	Clays & Soils	Liquid Limit	ASTM D4318
62	MECHANICAL- SOIL AND ROCK	Clays & Soils	Natural Moisture Contents	ASTM D 2216
63	MECHANICAL- SOIL AND ROCK	Clays & Soils	Particle Size Analysis by Hydrometer	ASTM D 7928-17
64	MECHANICAL- SOIL AND ROCK	Clays & Soils	Plastic Limit	ASTM D 4318-17
65	MECHANICAL- SOIL AND ROCK	Clays & Soils	Silt Factor	IRC 5 (Appendix-2, Clause 110.1.3)
66	MECHANICAL- SOIL AND ROCK	Clays & Soils	Silt Factor	IRC 78
67	MECHANICAL- SOIL AND ROCK	Clays & Soils	Specific gravity	ASTM D854-14
68	MECHANICAL- SOIL AND ROCK	Clays & Soils	Triaxial Compression Test- CD – Cohesion	ASTM D 7181-20
69	MECHANICAL- SOIL AND ROCK	Clays & Soils	Triaxial Compression Test-CD– Angle of Internal Friction	ASTM D 7181-20
70	MECHANICAL- SOIL AND ROCK	Clays & Soils	Triaxial Compression Test-CU - Angle of Internal Friction	ASTM D 4767-11
71	MECHANICAL- SOIL AND ROCK	Clays & Soils	Triaxial Compression Test-CU– Cohesion	ASTM D 4767 -11
72	MECHANICAL- SOIL AND ROCK	Clays & Soils	Triaxial Compression Test-UU - Angle of Internal Friction	ASTM D 2850-15
73	MECHANICAL- SOIL AND ROCK	Clays & Soils	Triaxial Compression Test-UU– Cohesion	ASTM D 2850-15
74	MECHANICAL- SOIL AND ROCK	Clays & Soils	Unconfined Compression Strength of Soil	ASTM D2166
75	MECHANICAL- SOIL AND ROCK	Rock	Brazilian Index	IS 10082
76	MECHANICAL- SOIL AND ROCK	Rock	Cerchar Abrasiveness Index	ASTMD-7625-10

SCOPE OF ACCREDITATION

Laboratory Name : S & R GEOTECHNIQUES PVT. LTD., SHOP NO-5 TO 9, BHAKATI ORNET, PLOT NO-71, SECTOR-35, KAMOTHE, NAVI MUMBAI, THANE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8156 **Page No** 5 of 14

Validity 27/01/2022 to 26/01/2024 **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
77	MECHANICAL- SOIL AND ROCK	Rock	Dry Density, Bulk Density, Relative density	IS 13030
78	MECHANICAL- SOIL AND ROCK	Rock	Flexural Strength of Rock (Cylindrical Specimen)	ASTM -C-880
79	MECHANICAL- SOIL AND ROCK	Rock	Modulus of Elasticity	IS 9221
80	MECHANICAL- SOIL AND ROCK	Rock	Point Load Strength Index	IS 8764
81	MECHANICAL- SOIL AND ROCK	Rock	Poison's Ratio	IS 9221
82	MECHANICAL- SOIL AND ROCK	Rock	Rock Hardness	IS 12608
83	MECHANICAL- SOIL AND ROCK	Rock	Rock Hardness	IS 13630 (Part 13)
84	MECHANICAL- SOIL AND ROCK	Rock	Rock Slake Durability Index	IS 10050
85	MECHANICAL- SOIL AND ROCK	Rock	Triaxial Compression Test-UU - Angle of Internal Friction	IS 13047
86	MECHANICAL- SOIL AND ROCK	Rock	Triaxial Compression Test-UU– Cohesion	IS 13047
87	MECHANICAL- SOIL AND ROCK	Rock	Ultrasonic Wave Velocities in Rocks-Vp	ASTM D2845
88	MECHANICAL- SOIL AND ROCK	Rock	Ultrasonic Wave Velocities in Rocks-Vs	ASTM D2845
89	MECHANICAL- SOIL AND ROCK	Rock & Building Stone	Permeability Test of Rock/Stones	IS 4348
90	MECHANICAL- SOIL AND ROCK	Rock & Building Stone	Specific Gravity	IS 1122
91	MECHANICAL- SOIL AND ROCK	Rock & Building Stone	Specific Gravity	IS 1124
92	MECHANICAL- SOIL AND ROCK	Rock & Building Stone	Specific Gravity	IS 2720 (Part 3/sec 1)
93	MECHANICAL- SOIL AND ROCK	Rock & Building Stone	Unconfined Compression Strength	IS 9143
94	MECHANICAL- SOIL AND ROCK	Rock & Building Stone	Water Absorption	IS 1124
95	MECHANICAL- SOIL AND ROCK	Rock and Building Stone	Dynamic modulus of Elasticity	BS 1881-209

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-8156
Page No	6 of 14
Validity	27/01/2022 to 26/01/2024
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
96	MECHANICAL- SOIL AND ROCK	Rock and Building stone	Longitudinal, Flexural and Torsional Resonance Testing	ASTM C215-19
97	MECHANICAL- SOIL AND ROCK	Rock and Building Stone	Longitudinal, Flexural and Torsional Resonance Testing	ASTMC666-15
98	MECHANICAL- SOIL AND ROCK	Rock and Building stone	Porosity	IS 1124
99	MECHANICAL- SOIL AND ROCK	Rock and Building Stone	Porosity	IS 13030
100	MECHANICAL- SOIL AND ROCK	Rock and Building Stone	Water Content	IS 13030
101	MECHANICAL- SOIL AND ROCK	Rock and Natural stone	Petrographic Analysis	BS EN 12407
102	MECHANICAL- SOIL AND ROCK	Soil	Soil & Sand Equivalent Test	IS 2720 (PART 37)
103	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (Lab CBR) Soak & Unsoak	IS 2720 (Part 16)
104	MECHANICAL- SOIL AND ROCK	Soil	Consolidation test Compression Index, Cc	IS 2720 (Part 15)
105	MECHANICAL- SOIL AND ROCK	Soil	Consolidation test Initial Void Ratio, eo	IS 2720 (Part 15)
106	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test - Angle of Internal Friction	IS 2720 (Part 13)
107	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test - Cohesion	IS 2720 (Part 13)
108	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
109	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
110	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Maximum Dry Density	IS 2720 (Part 8)
111	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Optimum Moisture Content	IS 2720 (Part 8)
112	MECHANICAL- SOIL AND ROCK	Soil	Lab Vane Shear Test	IS 2720 (Part 30)
113	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Maximum Dry Density	IS 2720 (Part 7)
114	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Optimum Moisture Content	IS 2720 (Part 7)

SCOPE OF ACCREDITATION

Laboratory Name : S & R GEOTECHNIQUES PVT. LTD., SHOP NO-5 TO 9, BHAKATI ORNET, PLOT NO-71, SECTOR-35, KAMOTHE, NAVI MUMBAI, THANE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8156 **Page No** 7 of 14

Validity 27/01/2022 to 26/01/2024 **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
115	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
116	MECHANICAL- SOIL AND ROCK	Soil	Natural Moisture Content	IS 2720 (Part 2)
117	MECHANICAL- SOIL AND ROCK	Soil	Particle Size Analysis by Hydrometer	IS 2720 (Part 4)
118	MECHANICAL- SOIL AND ROCK	Soil	Permeability by Constant head	IS 2720 (Part 17)
119	MECHANICAL- SOIL AND ROCK	Soil	Permeability by Falling Head	IS 2720 (Part 17)
120	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
121	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage limit	IS 2720 (Part 6)
122	MECHANICAL- SOIL AND ROCK	Soil	Specific gravity	IS 2720 (Part 3/Sec 1)
123	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure Test	IS 2720 (Part 41)
124	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression Test- CD – Cohesion	IS 2720 (Part 12)
125	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression Test-CD– Angle of Internal Friction	IS 2720 (Part 12)
126	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression Test-CU - Angle of Internal Friction	IS 2720 (Part 12)
127	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression Test-CU– Cohesion	IS 2720 (Part 12)
128	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression Test-UU - Angle of Internal Friction	IS 2720 (Part 11)
129	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression Test-UU– Cohesion	IS 2720 (Part 11)
130	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Strength of Soil	IS 2720 (Part 10)
131	MECHANICAL- SOIL AND ROCK	Stabilized Soil	Heavy Compaction - Maximum Dry Density	IS 4332 (Part 3)
132	MECHANICAL- SOIL AND ROCK	Stabilized Soil	Heavy Compaction - Optimum Moisture Content	IS 4332 (Part 3)
133	MECHANICAL- SOIL AND ROCK	Stabilized Soil	Light Compaction - Maximum Dry Density	IS 4332 (Part 3)

SCOPE OF ACCREDITATION

Laboratory Name :	S & R GEOTECHNIQUES PVT. LTD., SHOP NO-5 TO 9, BHAKATI ORNET, PLOT NO-71, SECTOR-35, KAMOTHE, NAVI MUMBAI, THANE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8156	**Page No**	8 of 14
Validity	27/01/2022 to 26/01/2024	**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
134	MECHANICAL- SOIL AND ROCK	Stabilized Soil	Light Compaction - Optimum Moisture Content	IS 4332 (Part 3)
135	MECHANICAL- SOIL AND ROCK	Stabilized Soil	Natural Moisture Contents	IS 4332
136	MECHANICAL- SOIL AND ROCK	Stabilized Soil	Unconfined Compression Strength of Soil	IS 4332 (Part 5)

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8156 **Page No** 9 of 14

Validity 27/01/2022 to 26/01/2024 **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
Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Concrete	Dynamic modulus of Elasticity	BS 1881-209
2	MECHANICAL- BUILDINGS MATERIALS	Concrete	Longitudinal, Flexural and Torsional Resonance Testing	ASTM C 666-15
3	MECHANICAL- BUILDINGS MATERIALS	Concrete	Longitudinal, Flexural and Torsional Resonance Testing	ASTM C215-19
4	MECHANICAL- SOIL AND ROCK	Clays & Soil	In Situ Density -Core Cutting Method	IS 2720 (Part 29)
5	MECHANICAL- SOIL AND ROCK	Clays & Soil	Piezocone Penetration Test (Pore Water Pressure)	ASTM D5778
6	MECHANICAL- SOIL AND ROCK	Clays & Soils	Moisture Content - Calcium Carbide Method	IS2720 (Part 2)
7	MECHANICAL- SOIL AND ROCK	Clays & Soils	Cone Penetration Test(Cone Resistance)	ASTM D5778
8	MECHANICAL- SOIL AND ROCK	Clays & Soils	Field Vane Shear Test	IS 4434
9	MECHANICAL- SOIL AND ROCK	Clays & Soils	Sand Replacement Method	IS 2720 (Part 28)
10	MECHANICAL- SOIL AND ROCK	Clays, Soil and Weathered Rock	Standard Penetration Test (Soil Investigation Test)	IS 2131
11	MECHANICAL- SOIL AND ROCK	Footing	Load Test On In-Situ Footing	IS 10042
12	MECHANICAL- SOIL AND ROCK	Pile	Bi-Directional Static Pile Load test	IRC-78 (Appendix-9, Amendment 1) ,
13	MECHANICAL- SOIL AND ROCK	Pile	Bi-Directional Static Pile Load test	ASTM D 8169-18
14	MECHANICAL- SOIL AND ROCK	Pile	Cyclic Pile Load Test	IS 2911 (Part 4)
15	MECHANICAL- SOIL AND ROCK	Pile	Dynamic Pile Load Test	IRC 78(Appendix-7 clause 709.2.4, Part-1 ,Method -2)
16	MECHANICAL- SOIL AND ROCK	Pile	High Strain Dynamic Pile Load Test	ASTM D4945
17	MECHANICAL- SOIL AND ROCK	Pile	Lateral Dynamic Load Test on Pile	IS 9716
18	MECHANICAL- SOIL AND ROCK	Pile	Lateral Pile Load Test	IS 2911 (Part 4)

SCOPE OF ACCREDITATION

Laboratory Name : S & R GEOTECHNIQUES PVT. LTD., SHOP NO-5 TO 9, BHAKATI ORNET, PLOT NO-71, SECTOR-35, KAMOTHE, NAVI MUMBAI, THANE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8156 **Page No** 10 of 14

Validity 27/01/2022 to 26/01/2024 **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
19	MECHANICAL- SOIL AND ROCK	Pile	Pile Pull Out Test	IS 2911 (Part 4)
20	MECHANICAL- SOIL AND ROCK	Pile	Pull Out Test of Concrete (COPO) Cut & Pull Out Test	ASTM C-900
21	MECHANICAL- SOIL AND ROCK	Pile	Pull Out Test of Concrete (COPO) Cut & Pull Out Test	BS:1881-207
22	MECHANICAL- SOIL AND ROCK	Pile	Pull Out Test of Concrete (COPO) Cut & Pull Out Test	EN:12504-3
23	MECHANICAL- SOIL AND ROCK	Pile	Static Pile Load Test	IS 2911 (Part 4)
24	MECHANICAL- SOIL AND ROCK	Rock	Flexural Strength of rock (Cylindrical Rock Specimen)	EN 12372
25	MECHANICAL- SOIL AND ROCK	Rock	In-Situ Shear Test on Rock (Shear stress)	IS 7746
26	MECHANICAL- SOIL AND ROCK	Rock	In-Situ Shear Test on Rock(Normal stress)	IS 7746
27	MECHANICAL- SOIL AND ROCK	Rock	Permeability Test In Rock Single Packer & Double packer	IS 5529 (Part 2)
28	MECHANICAL- SOIL AND ROCK	Rock Anchors /Foundation Bolts	Anchor Pull out Test	IS 11309
29	MECHANICAL- SOIL AND ROCK	Rock and Building Stone	Dynamic modulus of Elasticity	BS 1881-209
30	MECHANICAL- SOIL AND ROCK	Rock and Building stone	Longitudinal, Flexural and Torsional Resonance Testing	ASTM C215-19
31	MECHANICAL- SOIL AND ROCK	Rock and Building Stone	Longitudinal, Flexural and Torsional Resonance Testing	ASTMC666-15
32	MECHANICAL- SOIL AND ROCK	Soil	Determination of Dynamic Properties of Soil by Wave Propagation Test	IS 5249 (Clause 7)
33	MECHANICAL- SOIL AND ROCK	Soil	Electric Friction (Friction Resistance)	ASTM D5778
34	MECHANICAL- SOIL AND ROCK	Soil	In-Situ Direct Shear Tests for Soils Containing Gravels - Angle of Internal Friction	IS 2720 (Part 39-2)
35	MECHANICAL- SOIL AND ROCK	Soil	In-Situ Direct Shear Tests for Soils Containing Gravels - Cohesion	IS 2720 (Part 39-2)

SCOPE OF ACCREDITATION

Laboratory Name : S & R GEOTECHNIQUES PVT. LTD., SHOP NO-5 TO 9, BHAKATI ORNET, PLOT NO-71, SECTOR-35, KAMOTHE, NAVI MUMBAI, THANE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8156 **Page No** 11 of 14

Validity 27/01/2022 to 26/01/2024 **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
36	MECHANICAL- SOIL AND ROCK	Soil & Rock	Deformation (Ev) and Strength (ks)Characteristics of Soil Test - Plate Load Test	RDSO GE-14 Appendix-I
37	MECHANICAL- SOIL AND ROCK	Soil & Rock	Acoustic Logging	IS 15755
38	MECHANICAL- SOIL AND ROCK	Soil & Rock	Block Vibration Test (BVT)	IS 5249 (Clause 5)
39	MECHANICAL- SOIL AND ROCK	Soil & Rock	California Bearing Ratio (Field CBR)	IS 2720 (Part 31)
40	MECHANICAL- SOIL AND ROCK	Soil & Rock	Cyclic Plate Load	IS 5249 (Clause 6)
41	MECHANICAL- SOIL AND ROCK	Soil & Rock	Deflection Measurement of Pavement using Benkelman Beam Deflection Test	IRC 81
42	MECHANICAL- SOIL AND ROCK	Soil & Rock	Density Logging (Gamma-Gamma)	ASTM D 5195-14
43	MECHANICAL- SOIL AND ROCK	Soil & Rock	Density Logging (Gamma-Gamma)	ASTMD6274
44	MECHANICAL- SOIL AND ROCK	Soil & Rock	Density Logging (Gamma-Gamma)	IS 15755
45	MECHANICAL- SOIL AND ROCK	Soil & Rock	Dynamic Cone Penetration (DCPT) with Bentonite slurry	IS 4968 (Part 2))
46	MECHANICAL- SOIL AND ROCK	Soil & Rock	Dynamic Cone Penetration (DCPT) without Bentonite slurry	IS 4968 (Part 1)
47	MECHANICAL- SOIL AND ROCK	Soil & Rock	Electrical Resistivity Logging in Boreholes (Hydrometry)	IS 15755
48	MECHANICAL- SOIL AND ROCK	Soil & Rock	Electrical Resistivity Test	IS 15736
49	MECHANICAL- SOIL AND ROCK	Soil & Rock	Electrical Resistivity Test	IS 3043
50	MECHANICAL- SOIL AND ROCK	Soil & Rock	Electrical Resistivity Test 2D Profiling	ASTM D 6431
51	MECHANICAL- SOIL AND ROCK	Soil & Rock	Electrical Resistivity Test 2D Profiling	IS 3043
52	MECHANICAL- SOIL AND ROCK	Soil & Rock	Electrical Resistivity Test	IS 1892
53	MECHANICAL- SOIL AND ROCK	Soil & Rock	Electrical Resistivity Test-2D Profiling	IS 15736

SCOPE OF ACCREDITATION

Laboratory Name : S & R GEOTECHNIQUES PVT. LTD., SHOP NO-5 TO 9, BHAKATI ORNET, PLOT NO-71, SECTOR-35, KAMOTHE, NAVI MUMBAI, THANE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8156 **Page No** 12 of 14

Validity 27/01/2022 to 26/01/2024 **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
54	MECHANICAL- SOIL AND ROCK	Soil & Rock	Energy Measurement of SPT	ASTM D4633-16
55	MECHANICAL- SOIL AND ROCK	Soil & Rock	Measurement of Pore/Earth Water Pressure	IRC SOR-14 Clause 6.6.4
56	MECHANICAL- SOIL AND ROCK	Soil & Rock	Measurement of Settlement & Heave	IRC SOR-14 Clause 6.7.1
57	MECHANICAL- SOIL AND ROCK	Soil & Rock	Modulus Of Subgrade Reaction (K - Value Test)	IS 9214
58	MECHANICAL- SOIL AND ROCK	Soil & Rock	Pressuremeter Test : Radial Displacement	IS 12955 (Part 2)
59	MECHANICAL- SOIL AND ROCK	Soil & Rock	Pressuremeter Test : Volume Changet (Menard Method)	IS 12955 (Part 1)
60	MECHANICAL- SOIL AND ROCK	Soil & Rock	Seismic Cross Hole and Down Hole Test	ASTM D4428 / D4428M
61	MECHANICAL- SOIL AND ROCK	Soil & Rock	Seismic Cross Hole and Down Hole Test	ASTM D7400 / D7400M
62	MECHANICAL- SOIL AND ROCK	Soil & Rock	Seismic Cross Hole and Down Hole Test	IS 13372 (Part 1 & 2)
63	MECHANICAL- SOIL AND ROCK	Soil & Rock	Seismic Refraction Test	ASTM D 5777
64	MECHANICAL- SOIL AND ROCK	Soil & Rock	Seismic Refraction Test	IS 15681
65	MECHANICAL- SOIL AND ROCK	Soil & Rock	Static Cone Penetration Test (SCPT)	IS 4968 (Part 3)
66	MECHANICAL- SOIL AND ROCK	Soil and Rock	Deformation (Ev) and Strength (ks)Characteristics of Soil Test - Plate Load Test	DIN:18134
67	MECHANICAL- SOIL AND ROCK	Soil and Rock	Dynamic Deformation Modulus(Evd) by Light Weight Deflectometer (Portable Impulses Plate Load Test)	ASTM E2835-11
68	MECHANICAL- SOIL AND ROCK	Soil and Rock	Energy Measurement of SPT	ASTM D1586-18
69	MECHANICAL- SOIL AND ROCK	Soil and Rock	Energy Measurement of SPT	ISO 22476-3
70	MECHANICAL- SOIL AND ROCK	Soil and Rock	In Situ California Bearing Ratio by using Dynamic Cone Penetrometer (DCP)	ASTM D6951-18

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8156 **Page No** 13 of 14

Validity 27/01/2022 to 26/01/2024 **Last Amended on** -

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71	MECHANICAL- SOIL AND ROCK	Soil and Rock	In Situ California Bearing Ratio by using Dynamic Cone Penetrometer (DCP)	IRC:SP-72 Appendix-C
72	MECHANICAL- SOIL AND ROCK	Soil and Rock	In-Situ Uniaxial Jacking Test for Determination of Deformation Modulus of Rock (Cyclic Lateral Load Test on Rock)	IS 7317
73	MECHANICAL- SOIL AND ROCK	Soil and Rock	Measurement of Pore/Earth Water Pressure	IS 12208
74	MECHANICAL- SOIL AND ROCK	Soil and rock	Permeability Test in soil Constant head & Falling head method	IS 5529 (Part 1)
75	MECHANICAL- SOIL AND ROCK	Soil and Rock	Plate Load Test	IS 12070
76	MECHANICAL- SOIL AND ROCK	Soil and Rock	Plate Load Test	IS 1888
77	MECHANICAL- SOIL AND ROCK	Stone Column	Stone Column Load Test	IS 15284 (Part 1)
78	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Screw/Hydraulic Jack of max. capacity 100 ton load	% Efficiency at max. 100 Ton load on Jack	SRGEO/QD/TP/03/39
79	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Bridge Span	Deflection measurement (Bridge Load Test)	IRC SP-51
80	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Bridge Span	Deflection measurement (Bridge Load Test)	IRC-CBC 2014
81	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Carbonation Depth	IS 516 (Part 5/Sec 3)
82	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Cover Meter Test	BS 1881 (Part 204)
83	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Electrical Resistivity of Concrete	IRC SR- 17

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8156	**Page No**	14 of 14
Validity	27/01/2022 to 26/01/2024	**Last Amended on**	-

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84	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Half-Cell Potential	ASTM C 876
85	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Load Test on Flexural Member	IS 456 (Clause 17.6)
86	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Rebound Hammer Test	IS 13311 (Part 2)
87	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Ultrasonic Pulse Velocity Test (UPV)	IS 516 (Part 5/ Sec.1)
88	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Pile	Pile Integrity test	IRC 78 (Appendix-7, Part-2)
89	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Pile	Pile Integrity Test	ASTM D 5882-07,
90	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Pile	Pile Integrity test	IS 14893
91	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Pile	Ultrasonic Crosshole Logging Test	ASTM D 6760