National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : LABORATORY - CENGRS GEOTECHNICA PVT. LTD, A-100, SECTOR 63, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7134 **Page No** 1 of 4

Validity 23/04/2022 to 22/04/2024 **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	MECHANICAL- SOIL AND ROCK	Clays & Soils	Consolidation Properties	IS 2720 (Part 15)
2	MECHANICAL- SOIL AND ROCK	Clays & Soils	Direct Shear - Cohesion	IS 2720 (Part XIII)
3	MECHANICAL- SOIL AND ROCK	Clays & Soils	California Bearing Ratio	IS 2720 (Part 16)
4	MECHANICAL- SOIL AND ROCK	Clays & Soils	Relative Density (Max & Min)	IS 2720 (Part 14)
5	MECHANICAL- SOIL AND ROCK	Clays & Soils	Unconsolidated undrained test (UUT) compression without the measurement of pore water pressure - Angle of Friction	IS 2720 (Part XI)
6	MECHANICAL- SOIL AND ROCK	Clays & Soils	Consolidated drained Test (CDT) - Angle of Friction	BS EN 17892 (Part 9)
7	MECHANICAL- SOIL AND ROCK	Clays & Soils	Consolidated drained Test (CDT) - Cohesion Value	BS EN 17892 (Part 9)
8	MECHANICAL- SOIL AND ROCK	Clays & Soils	Consolidated undrained test (CUT) with measurement of pore water pressure - Angle of Friction	IS 2720 (Part XII)
9	MECHANICAL- SOIL AND ROCK	clays & Soils	Consolidated undrained test (CUT) with measurement of pore water pressure - cohesion value	IS 2720 (Part XII)
10	MECHANICAL- SOIL AND ROCK	Clays & Soils	Direct Shear - Angle of Friction	IS 2720 (Part XIII)
11	MECHANICAL- SOIL AND ROCK	Clays & Soils	Free Swell Index	IS 2720 (Part 40)
12	MECHANICAL- SOIL AND ROCK	Clays & Soils	Heavy Compaction - Maximum Dry Density	IS 2720 (Part VIII)
13	MECHANICAL- SOIL AND ROCK	Clays & Soils	Heavy Compaction - Optimum Moisture Content	IS 2720 (Part VIII)
14	MECHANICAL- SOIL AND ROCK	Clays & Soils	Light Compaction - Maximum Dry Density	IS 2720 (Part VII)
15	MECHANICAL- SOIL AND ROCK	Clays & Soils	Light Compaction - Optimum Moisture Content	IS 2720 (Part VII)
16	MECHANICAL- SOIL AND ROCK	Clays & Soils	Liquid Limit	IS 2720 (Part V)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7134 **Page No** 2 of 4

Validity 23/04/2022 to 22/04/2024 **Last Amended on** -

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17	MECHANICAL- SOIL AND ROCK	Clays & Soils	Permeability by Falling Head Method	IS 2720 (Part 17)
18	MECHANICAL- SOIL AND ROCK	Clays & Soils	Permeability of Granular Soils by Constant Head Method	IS 2720 (Part 17)
19	MECHANICAL- SOIL AND ROCK	Clays & Soils	Plastic Limit	IS 2720 (Part V)
20	MECHANICAL- SOIL AND ROCK	Clays & Soils	Shrinkage Limit	IS 2720 (Part VI)
21	MECHANICAL- SOIL AND ROCK	Clays & Soils	Swelling Pressure	IS 2720 (Part 41)
22	MECHANICAL- SOIL AND ROCK	Clays & Soils	Unconfined Compressive Strength	IS 2720 (Part 10)
23	MECHANICAL- SOIL AND ROCK	Clays & Soils	Unconsolidated undrained test (UUT) Compression without measurement of pore water pressure - Cohesion Value	IS 2720 (Part 11)
24	MECHANICAL- SOIL AND ROCK	Rock	Cerchar Abrasivity Index	ASTM D 7625
25	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030
26	MECHANICAL- SOIL AND ROCK	Rock	Point Load Strength Index	IS 8764
27	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
28	MECHANICAL- SOIL AND ROCK	Rock	Tensile Strength of Rock by Brazilian Test	IS 10082
29	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
30	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 1124
31	MECHANICAL- SOIL AND ROCK	Soil	Bulk & Dry Density	IS 2720 (Part 29)
32	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (0.002 to 125 mm)	IS 2720 (Part IV)
33	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)
34	MECHANICAL- SOIL AND ROCK	Soil & Rock	Specific Gravity - fine, medium & coarse grained soils	IS 2720 (Part 3 / Sec 1)

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7134	**Page No**	3 of 4
Validity	23/04/2022 to 22/04/2024	**Last Amended on**	-

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35	MECHANICAL- SOIL AND ROCK	Soil & Rock	Specific Gravity - fine grained soil	IS 2720 (Par 3 & Sec 1)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7134 **Page No** 4 of 4

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil and Rock	Dynamic Cone Penetration-without bentonite slurry	IS 4968 (Part-I)
2	MECHANICAL- SOIL AND ROCK	Soil and Rock	Cross Hole Seismic Test	ASTM D4428M
3	MECHANICAL- SOIL AND ROCK	Soil and Rock	Down Hole Seismic Test	ASTM D4428M
4	MECHANICAL- SOIL AND ROCK	Soil and Rock	Dynamic Cone Penetration Test-using bentonite slurry	IS 4968 (Part-II)
5	MECHANICAL- SOIL AND ROCK	Soil and Rock	Earth Resistivity Test	IS 3043
6	MECHANICAL- SOIL AND ROCK	Soil and Rock	Field California Baring Ratio Test	IS 2720 (Part-31)
7	MECHANICAL- SOIL AND ROCK	Soil and Rock	Field CBR by DCP	6951D
8	MECHANICAL- SOIL AND ROCK	Soil and Rock	High Strain Dynamic Load Test	IRC 78
9	MECHANICAL- SOIL AND ROCK	Soil and Rock	Low Strain Pile Integrity Test	IRC 78
10	MECHANICAL- SOIL AND ROCK	Soil and Rock	Plate Load Test	IS 1888
11	MECHANICAL- SOIL AND ROCK	Soil and Rock	Pressuremeter test-Deformation modulus	ASTM D 4719
12	MECHANICAL- SOIL AND ROCK	Soil and Rock	Pressuremeter test-Limit pressure	ASTM D 4719
13	MECHANICAL- SOIL AND ROCK	Soil and Rock	Seismic Refraction Test	IS 15681
14	MECHANICAL- SOIL AND ROCK	Soil and Rock	STANDARD PENETRATION TEST	IS 2131
15	MECHANICAL- SOIL AND ROCK	Soil and Rock	Standard Penetration Test-Energy Measurement	ASTM 1586
16	MECHANICAL- SOIL AND ROCK	Soil and Rock	Static Cone Penetration Test-Cone Tip Resistance	IS 4968 (Part-III)
17	MECHANICAL- SOIL AND ROCK	Soil and Rock	Static Cone Penetration Test-Frictional Resistance	IS 4968 (Part-III)