National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GEO MEDIA ENGINEERING AND CONSULTANCY SERVICES PVT. LTD., # 23609-A, MANSA ROAD, BATHINDA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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- BUILDING MATERIAL	Ordinary Portland Cement	Aluminium Oxide (Al2O3)	IS 4032
2	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Calcium Oxide (CaO)	IS 4032
3	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Insoluble Residue	IS 4032
4	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Iron Oxide (Fe2O3)	IS 4032
5	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	loss on Ignition	IS 4032-1985
6	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Magnesium Oxide (MgO)	IS 4032
7	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Silicon Dioxide (SiO2)	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement	Sulphuric Anhydride (SO3)	IS 4032
9	CHEMICAL- METALS & ALLOYS	Steel Reinforcement/Structural Steel	Carbon	IS: 228 (P-1)
10	CHEMICAL- METALS & ALLOYS	Steel Reinforcement/Structural Steel	Phosphorous	IS:228 (P-3)
11	CHEMICAL- METALS & ALLOYS	Steel Reinforcement/Structural Steel	Sulphur	IS: 228 (P-9)
12	CHEMICAL- SOIL AND ROCK	Soil	pH	IS 2720 (P-26)
13	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Solids (By gravimetric Method)	IS: 2720 (P-21)
14	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphate as SO3 (By Precipitation Method)	IS: 2720 (P-27)
15	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (P 40)
16	CHEMICAL- WATER	Drinking Water	Chloride as CL	IS 3025 (Part 32)
17	CHEMICAL- WATER	Drinking Water	Fluoride	IS 3025 (Part 60)
18	CHEMICAL- WATER	Drinking Water	Magnesium	IS 3025 (Part 46)
19	CHEMICAL- WATER	Drinking Water	Nitrate (as NO3)	IS 3025 (Part 34)
20	CHEMICAL- WATER	Drinking Water	Sulphate as SO4	IS 3025 (P 24 S 1)
21	CHEMICAL- WATER	Drinking Water	Taste	IS 3025 (Part 7 & 8)

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22	CHEMICAL- WATER	Drinking Water	Total Alkalinity	IS 3025 (Part 23)
23	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids (mg/l)	IS 3025 (P 18)
24	CHEMICAL- WATER	Drinking Water	Total Hardness	IS 3025 (P 21)
25	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	IS 3025 (Part 21)
26	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
27	CHEMICAL- WATER	Water for construction purpose	Acidity (Quantity of 0.02N NaOH required to neutralize 100ml of sample using phenolphthalein indicator)	IS 3025 (P 22)
28	CHEMICAL- WATER	Water for construction purpose	Alkalinity (Quantity of 0.02N H2SO4 required to neutralize 100ml of sample using mixed indicator)	IS 3025 (P 23)
29	CHEMICAL- WATER	Water for construction purpose	Chloride as CL	IS 3025 (P 32)
30	CHEMICAL- WATER	Water for construction purpose	Inorganic Solids	IS 3025 (P 18)
31	CHEMICAL- WATER	Water for construction purpose	Organic Solids	IS 3025 (P 18)
32	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 (Part 11)
33	CHEMICAL- WATER	Water for construction purpose	Sulphate as SO3	IS 3025 (P 24 S 1)
34	CHEMICAL- WATER	Water for construction purpose	Total Suspended Matter	IS 3025 (P 17)
35	MECHANICAL- BUILDINGS MATERIALS	Bituminous Courses	Bitumen Extraction	IRC SP 11
36	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Compressive Strength	IS 3495 (Part 1)
37	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions (Breadth)	IS 1077
38	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions (Length)	IS 1077
39	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions (Thickness)	IS 1077
40	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Efflorescence	IS 3495 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Water Absorption	IS 3495 (Part 2)
42	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value	IS 2386 (Part 4)

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43	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Compacted Bulk Density	IS 2386 (Part 3)
44	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
45	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material - Clay Lumps	IS 2386 (Part-2)
46	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material - Organic Impurities	IS 2386 (Part-2)
47	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Loose bulk density	IS 2386 (Part3)
48	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness (with Magnesium Sulphate)	IS 2386 (Part-5)
49	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness (with Sodium Sulphate)	IS 2386 (Part-5)
50	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Abrasion Value	IS 2386 (Part 4)
51	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
52	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
53	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
54	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (80mm to 2.36mm)	IS 2386 (Part 1)
55	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
56	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
57	MECHANICAL- BUILDINGS MATERIALS	Concrete Cores	Compressive Strength	IS 516 (Part-4)
58	MECHANICAL- BUILDINGS MATERIALS	Concrete Cubes	Compressive Strength	IS 516 (Part1, Sec-1)
59	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Abrasion Resistance	IS 15658
60	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Compressive Strength	IS 15658
61	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Deviation from squareness	IS 15658

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62	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Length	IS 15658
63	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Plan area and wearing surface area	IS 15658
64	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver blocks	Thickness	IS 15658
65	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver blocks	Water Absorption	IS 15658
66	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Width	IS 15658
67	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Compacted bulk density	IS 2386 (Part 3)
68	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material - Clay Lumps	IS 2386 (Part-2)
69	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material - Organic Impurities	IS 2386 (Part-2)
70	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Loose Bulk density	IS 2386 (Part 3)
71	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 mic	IS 2386 (Part-1)
72	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (10mm to 0.075mm)	IS2386 (Part1)
73	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness (with Magnesium Sulphate)	IS 2386 (Part-5)
74	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness (with Sodium Sulphate)	IS 2386 (Part-5)
75	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386(Part-3)
76	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part-3)
77	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Compressive Strength	IS 3495 (Part-1)
78	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Dimensions (Breadth)	IS 1077
79	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Dimensions (Length)	IS 1077
80	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Dimensions (Thickness)	IS 1077

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81	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Efflorescence	IS 3495 (Part-3)
82	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Water Absorption	IS 3495 (Part-2)
83	MECHANICAL- BUILDINGS MATERIALS	Fresh Cement Concrete	Slump Test	IS 1199 (Part - 2)
84	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base	Impact Value	IS 2386 (Part-4)
85	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base	Sieve Analysis (75mm to 0.075mm)	IS 2386(Part-1)
86	MECHANICAL- BUILDINGS MATERIALS	Hardened Cement Concrete	Compressive Strength by Accelerated curing Method	IS 9013
87	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Compressive Strength	IS 4031 (Part 6)
88	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Final Setting Time	IS 4031 (Part 5)
89	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Fineness (Dry Sieving)	IS 4031 (Part 1)
90	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Initial Setting Time	IS 4031 (Part 5)
91	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Soundness (Le-Chatelier)	IS 4031 (Part 3)
92	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement	Standard Consistency	IS 4031 (Part 4)
93	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement	Compressive Strength	IS 4031 (Part-6)
94	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement	Final Setting Time	IS 4031 (Part-5)
95	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement	Fineness (Dry Sieving)	iS 4031 (Part-1)
96	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement	Initial Setting Time	IS 4031 (Part-5)
97	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement	Soundness (Le-Chatelier)	IS 4031 (Part-3)
98	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement	Standard Consistency	IS 4031 (Part-4)
99	MECHANICAL- BUILDINGS MATERIALS	Precast Hollow and solid concrete blocks	Compressive Strength	IS 2185 (Part1) Annex D

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100	MECHANICAL- BUILDINGS MATERIALS	Precast Hollow and Solid Concrete Blocks	Density	IS 2185 (Part-1) Annex C
101	MECHANICAL- BUILDINGS MATERIALS	Precast Hollow and Solid Concrete Blocks	Dimensions (Height)	IS 2185 (Part-1) Annex B
102	MECHANICAL- BUILDINGS MATERIALS	Precast Hollow and Solid concrete blocks	Dimensions (Length)	IS 2185 (Part-1) Anex B
103	MECHANICAL- BUILDINGS MATERIALS	Precast Hollow and Solid Concrete Blocks	Dimensions (Width)	IS 2185 (Part-1) Annex B
104	MECHANICAL- BUILDINGS MATERIALS	Precast Hollow and Solid Concrete Blocks	Water Absorption	IS 2185 (Part1) Annex E
105	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Combined Flakiness & Elongation	IS 2386 (Part-1)
106	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Impact Value	IS 2386 (Part-4)
107	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Los Angeles Abrasion value	IS 2386 (Part-4)
108	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Sieve Analysis (53mm to 0.075mm)	IS 2386 (Part-1)
109	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement/Structural Steel	Bend Test (Mandrel Dia - 32mm)	IS 1599
110	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement/Structural Steel	Elongation	IS 1608 (Part 1)
111	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement/Structural Steel	Mass per meter	IS 1786
112	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement/Structural Steel	Re-bend test (Mandrel Dia - 32mm)	IS 1786
113	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement/Structural Steel	Tensile Strength	IS 1608 (Part 1)
114	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Reinforcement/Structural Steel	Yield Strength	IS 1608 (Part 1)
115	MECHANICAL- SOIL AND ROCK	Granular Sub Base	Plastic Limit	IS 2720 (Part-5)
116	MECHANICAL- SOIL AND ROCK	Cohesionless Soil	Relative Density (Max & Min)	IS 2720 (Part-14)

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117	MECHANICAL- SOIL AND ROCK	Granular Sub Base	California Bearing Ratio	IS 2720 (Part-16)
118	MECHANICAL- SOIL AND ROCK	Granular Sub Base	Liquid Limit (Cone Penetrometer)	IS 2720 (Part-5)
119	MECHANICAL- SOIL AND ROCK	Granular Sub base	Maximum Dry Density (Heavy Compaction)	IS 2720(Part-8)
120	MECHANICAL- SOIL AND ROCK	Granular Sub Base	Optimum Moisture Content (Heavy Compaction)	IS 2720 (Part-8)
121	MECHANICAL- SOIL AND ROCK	Soil	Bulk Density	IS 2720 (Part 8)
122	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720 (Part 16)
123	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Compression Index)	IS 2720 (Part-15)
124	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test Undrained (Angle of Friction F')	IS 2720 (Part 13)
125	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test Undrained (Cohesion c')	IS 2720(Part 13)
126	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
127	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
128	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction Test (MDD)	IS 2720 (Part 8)
129	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction Test (MDD)	IS 2720 (Part 7)
130	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction Test (OMC)	IS 2720 (Part 7)
131	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit (Casagrandes's Method)	IS 2720 (Part 5)
132	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit (Cone Penetrometer)	IS 2720 (Part 5)
133	MECHANICAL- SOIL AND ROCK	Soil	Permeability (Constant Head Method)	IS 2720 (Part 17)
134	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
135	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)

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136	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis (4.75mm to 0.075mm)	IS 2720 (Part 4)
137	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3)
138	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test Consolidated Undrained (Angle of Friction)	IS 2720 (Part-12)
139	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test Consolidated Undrained (Cohesion C')	IS 2720 (Part-12)
140	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test Unconsolidated Undrained (Angle of Friction)	IS 2720 (Part-11)
141	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test unconsolidated Undrained (Cohesion C')	IS 2720 (Part-11)
142	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)
143	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)
144	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam	Liquid Limit (Cone Penetrometer)	IS 2720 (Part-5)
145	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam	Maximum Dry Density (Heavy Compaction)	IS 2720 (Part-8)
146	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam	Optimum Moisture content (Heavy Compaction)	IS 2720(Part-8)
147	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam	Plastic Limit	IS 2720 (Part-5)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Pile Load Test	Lateral Load Test	IS 2911 (Part 4)
2	MECHANICAL- SOIL AND ROCK	Pile Load Test	Pull Out Test	IS 2911 (Part 4)
3	MECHANICAL- SOIL AND ROCK	Pile Load Test	Vertical Load Test (Compression)	IS 2911 (Part 4)
4	MECHANICAL- SOIL AND ROCK	Soil	Earth Resistivity	IS 3043
5	MECHANICAL- SOIL AND ROCK	Soil	In situ density (Core cutter method)	I 2720 (Part-29)
6	MECHANICAL- SOIL AND ROCK	Soil	Modulus of Subgrade Reaction (K-value)	IS 9214
7	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test	IS 1888
8	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test	IS 2131
9	MECHANICAL- SOIL AND ROCK	Soil	Thermal Conductivity	ASTM D 5334
10	MECHANICAL- SOIL AND ROCK	Soil/Granular Sub Base/ Wet Mix Macadam/Water Bond Macadam	In Situ Density (Sand Replacement Method)	IS 2720 (Part-28)
11	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Cement Concrete	Carbonation Test	IS 516 (Part - 5, Sec - 3)
12	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Cement Concrete	Half Cell Potential Difference Test	IS 516 (Part - 5, Sec - 2)
13	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Cement Concrete	Rebound Hammer Test	IS 516 (Part - 5, Sec - 4)
14	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Cement Concrete	Ultrasonic Pulse Velocity Test	IS 516 (Part -5, Sec - 1)