National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GEOSYSTEMS RESEARCH & CONSULTANTS (I) PVT. LTD., 6-B, SHAHU LAYOUT, KHADGAON ROAD, WADI, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7942 **Page No** 1 of 16

Validity 06/01/2022 to 05/01/2024 **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- BUILDING MATERIAL	Cement OPC 33,43,43S, 53, 53S Grade Slag Cement, SRC Cement ,PPC Cement	Alumina	IS 4032 (Clause 4.5.1)
2	CHEMICAL- BUILDING MATERIAL	Cement OPC 33,43,43S, 53, 53S Grade Slag Cement, SRC Cement ,PPC Cement	Calcium Oxide	IS 4032 (Clause 4.7.2)
3	CHEMICAL- BUILDING MATERIAL	Cement OPC 33,43,43S, 53, 53S Grade Slag Cement, SRC Cement ,PPC Cement	Chloride	IS 4032 (Amendment No.2)
4	CHEMICAL- BUILDING MATERIAL	Cement OPC 33,43,43S, 53, 53S Grade Slag Cement, SRC Cement ,PPC Cement	Ferric Oxide	IS 4032 (Clause 4.5.2)
5	CHEMICAL- BUILDING MATERIAL	Cement OPC 33,43,43S, 53, 53S Grade Slag Cement, SRC Cement ,PPC Cement	Insoluble Residue	Is 4032 (Clause 4.10)
6	CHEMICAL- BUILDING MATERIAL	Cement OPC 33,43,43S, 53, 53S Grade Slag Cement, SRC Cement ,PPC Cement	Loss on ignition	IS:4032 (Clause 4.2)
7	CHEMICAL- BUILDING MATERIAL	Cement OPC 33,43,43S, 53, 53S Grade Slag Cement, SRC Cement ,PPC Cement	Silica	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Cement OPC 33,43,43S, 53, 53S Grade Slag Cement, SRC Cement ,PPC Cement	Sulphuric Anhydride (SO3)	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Chloride	IS:14959 (Part 2) Cl 4.3.1
10	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	pH Value	DOTD TR 122- 11
11	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Sulphate	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Ash Content	IS:9103 (Annex: E-2)
13	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Chloride ion Content	IS 6925
14	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Dry Material Content	IS:9103 (Annex: E-1)
15	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	pH Value	IS:9103 (Annex: E-5)
16	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Relative Density	IS 9103 (Annex: E-3)
17	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Chloride	IS 14959 (Part 2)
18	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	pH Value	DOTD TR 122- 11

SCOPE OF ACCREDITATION

Laboratory Name : GEOSYSTEMS RESEARCH & CONSULTANTS (I) PVT. LTD., 6-B, SHAHU LAYOUT, KHADGAON ROAD, WADI, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7942 **Page No** 2 of 16

Validity 06/01/2022 to 05/01/2024 **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- BUILDING MATERIAL	Fine Aggregate	Sulphate	IS 4032
20	CHEMICAL- BUILDING MATERIAL	Fly ash	Calcium Oxide	IS 1727
21	CHEMICAL- BUILDING MATERIAL	Fly ash	Loss on Ignition	IS 1727 (Clause 5.3)
22	CHEMICAL- BUILDING MATERIAL	Fly ash	Sulphuric Anhydride	IS 1727 (Clause 5.10)
23	CHEMICAL- BUILDING MATERIAL	Fly ash	Total Chloride	IS 1727
24	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Chloride	IS 4032
25	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Insoluble Residue	IS 4032
26	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Moisture Content	IS 16714
27	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Silica	IS 4032
28	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Sulphide Sulphur	IS 4032
29	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Sulphuric Anhydride	IS 4032
30	CHEMICAL- BUILDING MATERIAL	Silica Fume	Loss on Ignition	IS 1727
31	CHEMICAL- BUILDING MATERIAL	Silica Fume	Moisture Content	IS 15388
32	CHEMICAL- METALS & ALLOYS	Steel Plain Carbon Low Alloy Steel	Manganese	IS 228(Part 2)
33	CHEMICAL- METALS & ALLOYS	Steel Plain Carbon Low Alloy Steel	Phosphorus	IS 228 (Part 3)
34	CHEMICAL- METALS & ALLOYS	Steel Plain Carbon Low Alloy Steel	Silicon	IS 228 (Part 8)
35	CHEMICAL- METALS & ALLOYS	Steel Plain Carbon Low Alloy Steel	Sulphur	IS 228 (Part 9)
36	CHEMICAL- SOIL AND ROCK	Soil / Muroom	pH Value	IS 2720 (Part- 26) (Clause 2.0)
37	CHEMICAL- SOIL AND ROCK	Soil / Muroom	Calcium Carbonate	IS:2720 (Part- 23)

SCOPE OF ACCREDITATION

Laboratory Name : GEOSYSTEMS RESEARCH & CONSULTANTS (I) PVT. LTD., 6-B, SHAHU LAYOUT, KHADGAON ROAD, WADI, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7942 **Page No** 3 of 16

Validity 06/01/2022 to 05/01/2024 **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
38	CHEMICAL- SOIL AND ROCK	Soil / Muroom	Chloride	BS 1377 (Part 3, Clause 7)
39	CHEMICAL- SOIL AND ROCK	Soil / Muroom	Organic Matter	IS:2720 (Part- 22)
40	CHEMICAL- SOIL AND ROCK	Soil / Muroom	Total Soluble Solids	IS:2720 (Part- 21)
41	CHEMICAL- SOIL AND ROCK	Soil / Muroom	Total Soluble Sulphates	IS:2720 (Part- 27)
42	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (PART- 4)
43	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025 -PART-32
44	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (PART- 4)
45	CHEMICAL- WATER	Drinking Water	Magnesium	IS 3025 -PART-46
46	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (PART- 5)
47	CHEMICAL- WATER	Drinking Water	pH value	IS 3025 (Part-11 Clause 2.0)
48	CHEMICAL- WATER	Drinking Water	Sulphates	IS 3025 -PART-24
49	CHEMICAL- WATER	Drinking Water	Total Hardness CaCO3	IS 3025 -PART-21
50	CHEMICAL- WATER	Drinking Water	Total Solids - Dissolved	IS 3025 -PART-15
51	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 -PART-10
52	CHEMICAL- WATER	Water for construction purpose	Acidity	IS 3025 (Part-22)
53	CHEMICAL- WATER	Water for construction purpose	Alkalinity	IS 3025 (Part-23)
54	CHEMICAL- WATER	Water for construction purpose	Chloride	IS 3025 (Part-32)
55	CHEMICAL- WATER	Water for construction purpose	Inorganic Matter	IS 3025 (Part-18)
56	CHEMICAL- WATER	Water for construction purpose	Organic Matter	IS 3025 (Part-18)
57	CHEMICAL- WATER	Water for construction purpose	pH value	IS 3025 (Part-11)
58	CHEMICAL- WATER	Water for construction purpose	Sulphate	IS 3025 (Part-24)
59	MECHANICAL- BUILDINGS MATERIALS	Accelerated Cured Concrete	Compressive Strength	IS 9013
60	MECHANICAL- BUILDINGS MATERIALS	Acid Resistant Bricks	Acid Resistance	IS 4860
61	MECHANICAL- BUILDINGS MATERIALS	Acid Resistant Bricks	Compressive Strength	IS 4860
62	MECHANICAL- BUILDINGS MATERIALS	Acid Resistant Bricks	Flexural Strength	IS 4860

SCOPE OF ACCREDITATION

Laboratory Name : GEOSYSTEMS RESEARCH & CONSULTANTS (I) PVT. LTD., 6-B, SHAHU LAYOUT, KHADGAON ROAD, WADI, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7942 **Page No** 4 of 16

Validity 06/01/2022 to 05/01/2024 **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
63	MECHANICAL- BUILDINGS MATERIALS	Acid Resistant Bricks	Resistance to Wear	IS 1237
64	MECHANICAL- BUILDINGS MATERIALS	Acid Resistant Bricks	Water Absorption	IS 4860
65	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Areated Concrete Block	Compressive Strength	IS:6441 (Part 5)
66	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Areated Concrete Block	Density	IS 6441 (Part 1)
67	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Areated Concrete Block	Dimensions	IS 6441 (Part 3)
68	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Areated Concrete Block	Moisture Content	IS 6441 (Part 1)
69	MECHANICAL- BUILDINGS MATERIALS	Bitumen (Modified)	Elastic Recovery	IS 15462
70	MECHANICAL- BUILDINGS MATERIALS	Bitumen (Modified)	Penetration of Residue	IS 1203
71	MECHANICAL- BUILDINGS MATERIALS	Bitumen (Paving / Industrial / Modified)	Absolute Viscosity	IS 1206 (Part 2)
72	MECHANICAL- BUILDINGS MATERIALS	Bitumen (Paving / Industrial / Modified)	Flash And Fire Points	IS 1209
73	MECHANICAL- BUILDINGS MATERIALS	Bitumen (Paving / Industrial / Modified)	Penetration	IS 1203
74	MECHANICAL- BUILDINGS MATERIALS	Bitumen (Paving / Industrial / Modified)	Ductility	IS 1208
75	MECHANICAL- BUILDINGS MATERIALS	Bitumen (Paving / Industrial / Modified)	Softening Point	IS 1205
76	MECHANICAL- BUILDINGS MATERIALS	Bitumen (Paving / Industrial / Modified)	Solubility in Carbon disulphate	IS 1216
77	MECHANICAL- BUILDINGS MATERIALS	Bitumen (Paving / Industrial / Modified)	Specific Gravity	IS 1202
78	MECHANICAL- BUILDINGS MATERIALS	Bitumen (Paving / Industrial / Modified)	Viscosity Ratio	IS 1206 (Part 2)
79	MECHANICAL- BUILDINGS MATERIALS	Bitumen (Paving)	Kinematic Viscosity	IS 1206 (Part 3)
80	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Absolute Viscosity	IS 3117
81	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coagulation Of Emulsion	IS 8887 (Annexure C)

SCOPE OF ACCREDITATION

Laboratory Name : GEOSYSTEMS RESEARCH & CONSULTANTS (I) PVT. LTD., 6-B, SHAHU LAYOUT, KHADGAON ROAD, WADI, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7942 **Page No** 5 of 16

Validity 06/01/2022 to 05/01/2024 **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
82	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coating ability and water resistance	IS 8887 (Annexure F)
83	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Ductility Of Residue	IS 1208
84	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Miscibility with water	IS 8887 (Annex- H)
85	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Particle charge	8887 (Annex- E)
86	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Penetration On Residue	IS 1203
87	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by Evaporation	IS 8887 (Annex- J)
88	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 600 micron IS Sieve	IS 8887 (Annex- B)
89	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Solubility in Trichloroethylene	IS 8887
90	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Stability to mixing with cement	IS 8887 (Annex- G)
91	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Storage stability	IS 8887 (Annex- D)
92	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Water Content	IS 1211
93	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Bitumen Content	IRC SP 112
94	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Density	ASTM D 2726
95	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Marshall Stability and Flow of Asphalt Mixtures	ASTM D 6927
96	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Particle Size (Sieve Analysis)	IS 2386 (Part 1)
97	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Specific Gravity	ASTM D 2041
98	MECHANICAL- BUILDINGS MATERIALS	Bricks/Heavy Duty Burnt Clay Building Bricks / Pulverized Fuel Ash-Lime Bricks	Compressive Strength	IS 3495 (Part 1)
99	MECHANICAL- BUILDINGS MATERIALS	Bricks/Heavy Duty Burnt Clay Building Bricks / Pulverized Fuel Ash-Lime Bricks	Efflorescence Test	IS 3495 (Part-3)
100	MECHANICAL- BUILDINGS MATERIALS	Bricks/Heavy Duty Burnt Clay Building Bricks / Pulverized Fuel Ash-Lime Bricks	Water Absorption	IS 3495 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name : GEOSYSTEMS RESEARCH & CONSULTANTS (I) PVT. LTD., 6-B, SHAHU LAYOUT, KHADGAON ROAD, WADI, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7942 **Page No** 6 of 16

Validity 06/01/2022 to 05/01/2024 **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
101	MECHANICAL- BUILDINGS MATERIALS	Building Lime	Ball Test	IS 1624
102	MECHANICAL- BUILDINGS MATERIALS	Building Lime	Compressive And Transverse Strength	IS 6932 (Part- 7)
103	MECHANICAL- BUILDINGS MATERIALS	Building Lime	Fineness Of Hydrated Lime	IS 6932 (Part- 4)
104	MECHANICAL- BUILDINGS MATERIALS	Building Lime	Hydrochloric Acid	IS 1624
105	MECHANICAL- BUILDINGS MATERIALS	Building Lime	Impurity Test	IS 1624
106	MECHANICAL- BUILDINGS MATERIALS	Building Lime	Plasticity Test on Blotting paper	IS 1624
107	MECHANICAL- BUILDINGS MATERIALS	Building Lime	Popping And Pitting Of Hydrated Lime	IS 6932 (Part- 10)
108	MECHANICAL- BUILDINGS MATERIALS	Building Lime	Setting Time Of Hydrated Lime Final Setting time	IS 6932 (Part- 11)
109	MECHANICAL- BUILDINGS MATERIALS	Building Lime	Setting Time Of Hydrated Lime Initial Setting time	IS 6932 (Part- 11)
110	MECHANICAL- BUILDINGS MATERIALS	Building Lime	Soundness	IS 6932 (Part- 9)
111	MECHANICAL- BUILDINGS MATERIALS	Building Lime	Visual Examination Test	IS 1624
112	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Resistance To Wear	IS 1237 (ANNEX - G)
113	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Water Absorption	IS 1237 (ANNEX - E)
114	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Wet Transverse Strength	IS 1237 (ANNEX - F)
115	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 33,43, 43S, 53, 53S Grade Slag Cement, SRC Cement ,PPC Cement	Drying Shrinkage	IS 4031 (Part 10)
116	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 33,43,43S, 53, 53S Grade Slag Cement, SRC Cement ,PPC Cement	Fineness By Sieving (Dry)	IS:4031 (Part 1)
117	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 33,43,43S, 53, 53S Grade Slag Cement, SRC Cement ,PPC Cement	Fineness By Specific Surface By Blaine Air Permeability Method	IS 4031 (Part 2)
118	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 33,43,43S, 53, 53S Grade Slag Cement, SRCCement ,PPC Cement	Consistency	IS 4031 (Part 4)

SCOPE OF ACCREDITATION

Laboratory Name : GEOSYSTEMS RESEARCH & CONSULTANTS (I) PVT. LTD., 6-B, SHAHU LAYOUT, KHADGAON ROAD, WADI, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7942 **Page No** 7 of 16

Validity 06/01/2022 to 05/01/2024 **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
119	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 33,43,43S, 53, 53S Grade Slag Cement, SRC Cement ,PPC Cement	Air Content Of Hydraulic Cement Mortar	IS:4031 (Part 12)
120	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 33,43,43S, 53, 53S Grade Slag Cement, SRC Cement ,PPC Cement	Density/ Specific Gravity	IS 4031 (Part 11)
121	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 33,43,43S, 53, 53S GradeSlag Cement, SRC Cement ,PPC Cement	Compressive Strength Of Hydraulic Cement	IS 4031 (Part 6)
122	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 33,43,43S, 53, 53S GradeSlag Cement, SRC Cement ,PPC Cement	Compressive Strength Of Masonry Cement	IS 4031 (Part 7)
123	MECHANICAL- BUILDINGS MATERIALS	Cement OPC 33,43,43S, 53, 53S GradeSlag Cement, SRC Cement ,PPC Cement	Soundness (Autoclave)	IS 4031 (Part 3)
124	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Crazing Resistance	IS 13630 (Part 9)
125	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Vitrified Tiles	Breaking Strength	IS 13630 (Part 6)
126	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Vitrified Tiles	Modulus Of Rupture	IS 13630 (Part 6)
127	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Vitrified Tiles	Scartch Hardness	IS 13630 (Part 13)
128	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles / Vitrified Tiles	Water Absorption	IS 13630 (Part 2)
129	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Water Absorption	IS 13801 (ANNEX - E)
130	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Wet Transverse Strength	IS 13801 (ANNEX - F)
131	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value	IS 2386 (Part 4)
132	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value (Los Angeles)	IS 2386 (Part 4)
133	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Alkali Aggregate Reactivity	IS 2386 (Part 7)
134	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Angularity Number	IS 2386 (Part 1)
135	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
136	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
137	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : GEOSYSTEMS RESEARCH & CONSULTANTS (I) PVT. LTD., 6-B, SHAHU LAYOUT, KHADGAON ROAD, WADI, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7942 **Page No** 8 of 16

Validity 06/01/2022 to 05/01/2024 **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
138	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Estimation Of Deleterious Materials And Organic Impurities	IS-2386 (Part 2)
139	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part1)
140	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
141	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Percentage of Fractured Particles	ASTM D 5821
142	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1)
143	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Magnesium Sulphate	IS 2386 (Part 5)
144	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Sodium Sulphate	IS 2386 (Part 5)
145	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
146	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Value Test	IS 6241
147	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
148	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (Soft)	Impact Value	is 5640
149	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Dimensions	IS 1077
150	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516
151	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 4)
152	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube & Cylinder	Density of Hardened Concrete	IS 516 (Part 2)
153	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube 150 mm	Compressive Strength	IS 516
154	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube150mm and 200 mm	Compressive Strength	IS 516
155	MECHANICAL- BUILDINGS MATERIALS	Concrete Reinforcement Steel	% Elongation Upto 36mm Dia	IS 1608 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : GEOSYSTEMS RESEARCH & CONSULTANTS (I) PVT. LTD., 6-B, SHAHU LAYOUT, KHADGAON ROAD, WADI, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7942 **Page No** 9 of 16

Validity 06/01/2022 to 05/01/2024 **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
156	MECHANICAL- BUILDINGS MATERIALS	Concrete Reinforcement Steel	Bend Test (180°C) upto 36 mm Dia	IS 1786
157	MECHANICAL- BUILDINGS MATERIALS	Concrete Reinforcement Steel	Nominal Unit weights upto 40 mm Dia	IS 1786
158	MECHANICAL- BUILDINGS MATERIALS	Concrete Reinforcement Steel	Rebend upto 36 mm Dia of Steel at 157.5° & 135	IS 1786
159	MECHANICAL- BUILDINGS MATERIALS	Concrete Reinforcement Steel	Ultimate Tensile Strength upto 36 mm Dia	IS1608 (Part-1)
160	MECHANICAL- BUILDINGS MATERIALS	Concrete Reinforcement Steel	Yield Stress upto 36 mm Dia	IS 1608 (Part-1)
161	MECHANICAL- BUILDINGS MATERIALS	Door Shutter	End Immersion Test	IS 4020 (Part- 13)
162	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking	2386 (Part 3)
163	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Estimation Of Deleterious Materials And Organic Impurities (Organic Impurities)	IS-2386 (Part 2)
164	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Fineness Modulus	IS 2386 (Part 1)
165	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Moisture Content	IS:2386 (Part 3)
166	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Particle Size And Shape (Materials Finer than 75 micron)	IS 2386 (Part 1)
167	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1)
168	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Magnesium Sulphate	IS 2386 (Part 5)
169	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Sodium Sulphate	IS 2386 (Part 5)
170	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	2386 (Part 3)
171	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Unit Weight (Bulk Density) and Percentage Voids	2386 (Part 3)
172	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Compressive Strength	IS 1727 (Clause 10)
173	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Consistency	IS 4031 (Part 4)

SCOPE OF ACCREDITATION

Laboratory Name : GEOSYSTEMS RESEARCH & CONSULTANTS (I) PVT. LTD., 6-B, SHAHU LAYOUT, KHADGAON ROAD, WADI, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7942 **Page No** 10 of 16

Validity 06/01/2022 to 05/01/2024 **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
174	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Drying Shrinkage	IS 1727 (Clause 12)
175	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by Sieving	IS 1727 (Clause 6)
176	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Initial And Final Setting Times	IS 4031 (Part 5)
177	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Moisture Content	IS 1727
178	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness by Autoclave Method	IS 4031 (Part 3)
179	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness by Le-Chateliers Method	IS 4031 (Part 3)
180	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	IS 1727 (Clause 7.1)
181	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Surface by Blaine's Air Permeability	IS 1727 (Clause 6.1)
182	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Wet Sieving (Particles retained on 45 micron IS sieve)	IS 1727 (Clause 6.2.5)
183	MECHANICAL- BUILDINGS MATERIALS	Foam Cellular Concrete Block	Block Density	IS 2185 (Part 4)
184	MECHANICAL- BUILDINGS MATERIALS	Foam Cellular Concrete Block	Compressive Strength	IS 2185 (Part 4)
185	MECHANICAL- BUILDINGS MATERIALS	Foam Cellular Concrete Block	Water Absorption	IS 2185 (Part 4)
186	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Compaction Factor	IS 1199 Part 2 (Clause 5.2)
187	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Setting Time	IS 1199 (Part 7)
188	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199 Part 2 (Clause 5.1)
189	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Fineness By Specific Surface By Blaine Air Permeability Method	IS 4031 (Part 2)
190	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Slag Activity Index	IS 4031 (Part 6)
191	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube	Compressive Strength	IS 516

SCOPE OF ACCREDITATION

Laboratory Name : GEOSYSTEMS RESEARCH & CONSULTANTS (I) PVT. LTD., 6-B, SHAHU LAYOUT, KHADGAON ROAD, WADI, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7942 **Page No** 11 of 16

Validity 06/01/2022 to 05/01/2024 **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
192	MECHANICAL- BUILDINGS MATERIALS	Heavy Duty	Bulk Density	IS 2180
193	MECHANICAL- BUILDINGS MATERIALS	Heavy Duty	Dimensions	IS 2180
194	MECHANICAL- BUILDINGS MATERIALS	Hollow And Solid Concrete Block	Block Density	IS 2185 (Part 1)
195	MECHANICAL- BUILDINGS MATERIALS	Hollow And Solid Concrete Block	Compressive Strength	IS 2185 (Part 1)
196	MECHANICAL- BUILDINGS MATERIALS	Hollow And Solid Concrete Block	Water Absorption	IS 2185 (Part 1)
197	MECHANICAL- BUILDINGS MATERIALS	Hollow And Solid Concrete Blocks	Dimension Test	IS 2185- Part 1 (Clause- 4 9.2, Annex B)
198	MECHANICAL- BUILDINGS MATERIALS	Mild And Medium Tensile Steel Bar	Bend Test upto 36 mm Dia	IS 1599
199	MECHANICAL- BUILDINGS MATERIALS	Mild And Medium Tensile Steel Bar	Nominal Unit Weight Of Steel Upto 40 mm Dia	IS 1732
200	MECHANICAL- BUILDINGS MATERIALS	Mild And Medium Tensile Steel Bar	Ultimate Tensile Strength	IS 1608 (Part-1)
201	MECHANICAL- BUILDINGS MATERIALS	Mild And Medium Tensile Steel Bar	Yield Stress Upto 40 mm Dia	IS 1608 (Part 1)
202	MECHANICAL- BUILDINGS MATERIALS	Mild And Medium Tensile Steel Bar And HSD bars Structural Steel	Ultimate Tensile Strength Up to 40 mm	IS 1608 (Part-1)
203	MECHANICAL- BUILDINGS MATERIALS	Mild And Medium Tensile Steel Bar HSD bars Structural Steel	Elongation	IS 1608 (Part-1)
204	MECHANICAL- BUILDINGS MATERIALS	Mild And Medium Tensile Steel Bar HSD bars Structural Steel	Yield Stress	IS 1608 (Part-1)
205	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC/PSC	Setting Time (Final)	IS 4031 (Part 5)
206	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC/PSC	Setting Time (Initial)	IS 4031 (Part 5)
207	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC/PSC	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
208	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC/PSC	Standard Consistency	IS 4031 (Part 4)
209	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Blocks	Abrasive Resistance	IS 15658 (Annex E)
210	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Blocks	Compressive Strength	IS 15658 (Annex D)

SCOPE OF ACCREDITATION

Laboratory Name : GEOSYSTEMS RESEARCH & CONSULTANTS (I) PVT. LTD., 6-B, SHAHU LAYOUT, KHADGAON ROAD, WADI, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7942 **Page No** 12 of 16

Validity 06/01/2022 to 05/01/2024 **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
211	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Blocks	Flexural Strength	IS 15658 (Annex G)
212	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Blocks	Tensile Splitting Strength	IS 15658 (Annex F)
213	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Blocks	Water Absorption	IS 15658 (Annex C)
214	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash-Lime Bricks	Dimensions	IS 12894
215	MECHANICAL- BUILDINGS MATERIALS	Silica Fume	Compressive Strength	IS 1727
216	MECHANICAL- BUILDINGS MATERIALS	Silica Fume	Oversize retained on 45µ IS Sieve	IS 1727
217	MECHANICAL- BUILDINGS MATERIALS	Silica Fume	Specific Gravity	IS 1727
218	MECHANICAL- BUILDINGS MATERIALS	Structural Steel	Bend Test Thickness Upto 40 mm	IS 1599
219	MECHANICAL- BUILDINGS MATERIALS	Structural Steel	Ultimate Tensile Stress Thickness Upto 40 mm	IS 1608 (Part-1)
220	MECHANICAL- BUILDINGS MATERIALS	Structural Steel	Yield Stress Thickness Upto 40 mm	IS 1608 (Part-1)
221	MECHANICAL- BUILDINGS MATERIALS	Wooden Door Shutter	Dimension & Squareness Upto 40 mm thickness	IS 4020 (Part-2)
222	MECHANICAL- BUILDINGS MATERIALS	Wooden Door Shutter	General Flatness Upto 40 mm thickness	IS 4020 (Part-3)
223	MECHANICAL- BUILDINGS MATERIALS	Wooden Door Shutter	Glue Adhesion Upto 40 mm thickness	IS 4020 (Part-15)
224	MECHANICAL- BUILDINGS MATERIALS	Wooden Door Shutter	Impact Indentation Upto 40 mm thickness	IS 4020 (Part-5)
225	MECHANICAL- BUILDINGS MATERIALS	Wooden Door Shutter	Knife Test Upto 40 mm thickness	IS 4020 (Part-14)
226	MECHANICAL- BUILDINGS MATERIALS	Wooden Door Shutter	Local Planeness Upto 40 mm thickness	IS 4020 (Part-4)
227	MECHANICAL- SOIL AND ROCK	Natural Building Stones (Marble/Granite/Slate/Quartz)	Apparent Specific Gravity	IS 1124
228	MECHANICAL- SOIL AND ROCK	Natural Building Stones (Marble/Granite/Slate/Quartz)	Compressive Strength	IS 1121 (Part-1)
229	MECHANICAL- SOIL AND ROCK	Natural Building Stones (Marble/Granite/Slate/Quartz)	Water Absorption	IS 1124

SCOPE OF ACCREDITATION

Laboratory Name : GEOSYSTEMS RESEARCH & CONSULTANTS (I) PVT. LTD., 6-B, SHAHU LAYOUT, KHADGAON ROAD, WADI, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7942 **Page No** 13 of 16

Validity 06/01/2022 to 05/01/2024 **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
230	MECHANICAL- SOIL AND ROCK	Rock/ Building Stone	Point Load Test On Rock Core and Rock Lumps	IS 8764
231	MECHANICAL- SOIL AND ROCK	Rock/ Building Stone	Porosity	IS 13030
232	MECHANICAL- SOIL AND ROCK	Rock/ Building Stone	Specific Gravity	IS 1122
233	MECHANICAL- SOIL AND ROCK	Rock/ Building Stone	Unconfined Compression Test	IS 9143
234	MECHANICAL- SOIL AND ROCK	Rock/ Building Stone	Water Absorption	IS 1122
235	MECHANICAL- SOIL AND ROCK	Rock/ Building Stone	Wet/Dry Density	IS 13030
236	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Free Swell Index Of Soils	IS 2720 (Part- 40)
237	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Specific Gravity (Fine Grained Soils)	IS 2720 (Part- 3, Section 1)
238	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Unconsolidated Undrained (UU) Triaxial Compression Without The Measurement Of Pore Water Pressure - Specimen Dia 38 mm,50 mm,75 mm and 100 mm	IS 2720 (Part- 11)
239	MECHANICAL- SOIL AND ROCK	Soil / Muroom	California Bearing Ratio	IS 2720 (Part- 16)
240	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Coeffcient Of Consolidation by Consolidation Test	IS 2720 (Part- 15)
241	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Compression Index By Consolidation Test (Cc)/Coefficient of Consolidation	IS 2720 (Part- 15)
242	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Direct Shear Test (By UU method Partical Size Upto 4.75 mm)	IS 2720 (Part- 13) (Clause5.1, Clause 5.2)
243	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Dry Sieve Analysis	IS 2720 (Part- 4, Clause 3)
244	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Hydrometer	IS 2720 (Part- 4, Section 5.1)
245	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Liquid Limit	IS 2720 (Part- 5)

SCOPE OF ACCREDITATION

Laboratory Name : GEOSYSTEMS RESEARCH & CONSULTANTS (I) PVT. LTD., 6-B, SHAHU LAYOUT, KHADGAON ROAD, WADI, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7942 **Page No** 14 of 16

Validity 06/01/2022 to 05/01/2024 **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
246	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Liquid Limit By Cone Penetration Method	IS 2720 (Part- 5)
247	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Maximum Dry Density-Light Compaction	IS 2720 (Part- 7)
248	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Modified Proctor Test - Maximum Dry Density	IS 2720 (Part- 8)
249	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Natural Moisture Content	IS 2720 (Part- 2)
250	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Optimum Moisture Content (Light Compaction)	IS 2720 (Part- 7)
251	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Optimum Moisture Content- Heavy compaction	IS 2720 (Part- 8)
252	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Plastic Limit	IS 2720 (Part- 5)
253	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Shrinkage Limit	IS 2720 (Part- 6)
254	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Specific Gravity (Medium And Coarse Grained Soils)	IS 2720 (Part- 3, Section 2)
255	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Swelling Pressure of Soil	IS 2720 (Part- 41)
256	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Unconfined Compressive Strength	IS 2720 (Part- 10)
257	MECHANICAL- SOIL AND ROCK	Soil / Muroom	Wet Sieve Analysis	IS 2720 (Part- 4, Clause 4)
258	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board	Crack Resistance Upto 25 mm thickness	IS 12823
259	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board	Density Upto 25 mm thickness	IS 2380 (Part 3)
260	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board	Moisture Content Upto 25 mm thickness	IS 2380 (Part 3)
261	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board	Resistance To Steam Upto 25 mm thickness	IS 12823
262	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board	Swelling in Water Upto 25 mm thickness	IS 2380 (Part 17)
263	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board	Water Absorption Upto 25 mm thickness	IS 2380 (Part 16)
264	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board Pre laminated medium density fiber board/ Without lamination medium density fiber board	Density Upto 25 mm thickness	IS 2380 (Part 3)

SCOPE OF ACCREDITATION

Laboratory Name : GEOSYSTEMS RESEARCH & CONSULTANTS (I) PVT. LTD., 6-B, SHAHU LAYOUT, KHADGAON ROAD, WADI, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7942 **Page No** 15 of 16

Validity 06/01/2022 to 05/01/2024 **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
265	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board Pre laminated medium density fiber board/ Without lamination medium density fiber board	Moisture Content Upto 25mm Thickness	IS 2380 (Part- 3)
266	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board Pre laminated medium density fiber board/ Without lamination medium density fiber board	Swelling due to Surface absorption /general absorption Upto 25 mm thickness	IS 2380 (Part 17)
267	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board Pre- lamminated medium Density MDPB/LDPB/HDPB/ Veneered Particle board	Water Absorption Upto 25 mm thickness	IS 2380 (Part-16)
268	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board Pre-lamminated medium Density MDPB/LDPB/HDPB/ Veneered Particle board	Density Upto 25 mm thickness	IS 2380 (Part 3)
269	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board Pre-lamminated medium Density MDPB/LDPB/HDPB/ Veneered Particle board	Modulus of Elasticity Upto 25 mm thickness	IS 2380 (Part 4)
270	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board Pre-lamminated medium Density MDPB/LDPB/HDPB/ Veneered Particle board	Moisture Content Upto 25 mm thickness	IS 2380 (Part 3)
271	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board Pre-lamminated medium Density MDPB/LDPB/HDPB/ Veneered Particle board	Swelling due to Surface absorption /general absorption Upto 25 mm thickness	IS 2380 (Part 17)
272	MECHANICAL- WOOD AND WOOD PRODUCTS	Pre-lamminated Particle board	Resistance to cigarette Upto 25 mm thickness	IS 12823 (Annex- E)
273	MECHANICAL- WOOD AND WOOD PRODUCTS	Pre-lamminated Particle board	Resistance to Stain Upto 25 mm thickness	IS 12823 (Annex- F)
274	MECHANICAL- WOOD AND WOOD PRODUCTS	Timber	Specific Gravity	IS 1708 (Part-2)
275	MECHANICAL- WOOD AND WOOD PRODUCTS	Timber	Moisture Content	IS 1708 (Part-1)
276	MECHANICAL- WOOD AND WOOD PRODUCTS	Veneered Particle Board	Adhesion Plies Upto 25 mm thickness	IS 3097(Clause- 9 F)
277	MECHANICAL- WOOD AND WOOD PRODUCTS	Veneered Particle Board	Water Resistance Upto 25 mm thickness	IS 3097 (Clause-9 D)

SCOPE OF ACCREDITATION

Laboratory Name : GEOSYSTEMS RESEARCH & CONSULTANTS (I) PVT. LTD., 6-B, SHAHU LAYOUT, KHADGAON ROAD, WADI, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7942 **Page No** 16 of 16

Validity 06/01/2022 to 05/01/2024 **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- SOIL AND ROCK	Soil	Electrical Resistivity	IS 1892 (Clause- 3.2)
2	MECHANICAL- SOIL AND ROCK	Soil	Field California Bearing Ratio (CBR)	IS 2720 (Part-31)
3	MECHANICAL- SOIL AND ROCK	Soil	In Situ Density By Core Cutter Partical size 4.75 mm and below	IS 2720 (Part-29)
4	MECHANICAL- SOIL AND ROCK	Soil	In Situ Density By Sand Replacement On any type of soil other than boulder	IS 2720 (Part-28)
5	MECHANICAL- SOIL AND ROCK	Soil	Load Test - Static Plate Load Upto 600 x 600 mm Plate Size	IS 1888
6	MECHANICAL- SOIL AND ROCK	Soil	Modulus of Subgrade Reaction (K - Value) of soils in field	IS 9214
7	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test For Soils- N value	IS 2131
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Carbonation Test	BS EN 14630
9	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Crack depth measurement - Ultrasonic Pulse Velocity	IS 516 (Part 5 / Sec 1), Annexure B
10	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Half Cell Potential Difference	ASTM C876
11	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Rebound Hammer	IS 516 (Part 5/ Sec 4)
12	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Surface Velocity Measurement-Ultrasonic Pulse Velocity	IS 516 (Part 5 / Sec 1)