SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 1 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture - Concrete Admixture	Chloride ion content	IS 6925
3	CHEMICAL- BUILDING MATERIAL	Admixture - Concrete Admixture	Dry material content %	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture - Concrete Admixture	pH	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture - Concrete Admixture	Relative density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Bitumen	Wax Content	IS 10512
7	CHEMICAL- BUILDING MATERIAL	Cement-(OPC, PSC, SRPC)	Alumina Oxide (as Al2O3)	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Cement-(OPC, PSC, SRPC)	Iron Oxide (as Fe2O3)	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement-(OPC, PSC, SRPC)	Silicon Dioxide (As SiO2)	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Cement-(OPC,PPC,PSC,SRPC	Chlorides (As Cl)	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement-(OPC,PPC,PSC,SRPC	Insoluble residue	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Cement-(OPC,PPC,PSC,SRPC)	Sodium as (Na2O)	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement-(OPC,PPC,PSC,SRPC)	Loss on ignition, percent by mass	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cement-(OPC,PPC,PSC,SRPC)	Magnesium oxide (MgO)	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement-(OPC,PPC,PSC,SRPC)	Potassium as (K2O)	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cement-(OPC,PPC,PSC,SRPC)	Sulphuric anhydride as SO3	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Cement-(OPC,PSC,SRPC)	Calcium Oxide as (CaO)	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregate Reactivity	IS 2386 (Part 7)

SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 2 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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	Coarse Aggregate	Chloride	BS EN 1744 (Part 1)
20	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Sulphate	BS EN 1744 (Part 1)
21	CHEMICAL- BUILDING MATERIAL	Concrete & Mortar	Chloride	IS 14959 (Part - 1 & 2)
22	CHEMICAL- BUILDING MATERIAL	Concrete & Mortar	Sulphates	BS 1881 (Part 124)
23	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Alkali Aggregate Reactivity	IS 2386 (Part 7)
24	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Chloride	BS EN 1744 (Part 1)
25	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Clay Lumps	IS 2386 (Part 2)
26	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Light Weight Pieces (Coal & Lignite)	IS 2386 (Part 2)
27	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Organic Impurities	IS 2386 (Part 2)
28	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Shale Content	IS 2386 (Part 2)
29	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Soundness as MgSO4	IS 2386 (Part 5)
30	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Soundness as Na2SO4	IS 2386 (Part 5)
31	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Sulphate	BS EN 1744 (Part 1)
32	CHEMICAL- BUILDING MATERIAL	Flyash	Alumina Oxide (as Al2O3)	IS 1727
33	CHEMICAL- BUILDING MATERIAL	Flyash	Calcium Oxide as (CaO)	IS 1727
34	CHEMICAL- BUILDING MATERIAL	Flyash	Chlorides (As Cl)	IS 4032
35	CHEMICAL- BUILDING MATERIAL	Flyash	Iron Oxide (as Fe2O3)	IS 1727
36	CHEMICAL- BUILDING MATERIAL	Flyash	Loss on ignition, percent by mass	IS 1727
37	CHEMICAL- BUILDING MATERIAL	Flyash	Magnesium oxide (MgO)	IS 1727

SCOPE OF ACCREDITATION

Laboratory Name :	GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6166	**Page No**	3 of 25
Validity	10/08/2022 to 09/08/2024	**Last Amended on**	10/02/2023

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- BUILDING MATERIAL	Flyash	silicon Dioxide	IS 1727
39	CHEMICAL- BUILDING MATERIAL	Flyash	Sulphur Trioxide (as SO3)	IS 1727
40	CHEMICAL- BUILDING MATERIAL	GGBS - Ground granulated blast furnace slag	Insoluble Residue	IS 4032
41	CHEMICAL- BUILDING MATERIAL	GGBS- Ground granulated blast furnace slag	Alumina Oxide as (Al2O3)	IS 4032
42	CHEMICAL- BUILDING MATERIAL	GGBS- Ground granulated blast furnace slag	Calcium Oxide as (CaO)	IS 4032
43	CHEMICAL- BUILDING MATERIAL	GGBS- Ground granulated blast furnace slag	Chloride	IS 4032
44	CHEMICAL- BUILDING MATERIAL	GGBS- Ground granulated blast furnace slag	Iron Oxide	IS 4032
45	CHEMICAL- BUILDING MATERIAL	GGBS- Ground granulated blast furnace slag	Loss on ignition , percent by mass	IS 4032
46	CHEMICAL- BUILDING MATERIAL	GGBS- Ground granulated blast furnace slag	Magnesium Oxide	IS 4032
47	CHEMICAL- BUILDING MATERIAL	GGBS- Ground granulated blast furnace slag	Silicon Dioxide (As SiO2)	IS 4032
48	CHEMICAL- BUILDING MATERIAL	GGBS- Ground granulated blast furnace slag	Sulphur Trioxide as So3	IS 4032
49	CHEMICAL- BUILDING MATERIAL	Quartzite Sand / High Silica Sand	Aluminum Oxide	IS 1917 (Part 4)
50	CHEMICAL- BUILDING MATERIAL	Quartzite Sand / High Silica Sand	Calcium Oxide	IS 1917 (Part 6)
51	CHEMICAL- BUILDING MATERIAL	Quartzite Sand / High Silica Sand	Iron Oxide	IS 1917 (Part 5)
52	CHEMICAL- BUILDING MATERIAL	Quartzite Sand / High Silica Sand	Loss on Ignition	IS 1917 (Part 1)
53	CHEMICAL- BUILDING MATERIAL	Quartzite Sand / High Silica Sand	Magnesium Oxide	IS 1917 (Part 6)
54	CHEMICAL- BUILDING MATERIAL	Quartzite Sand / High Silica Sand	Potassium Oxide	IS 1917 (Part 2)
55	CHEMICAL- BUILDING MATERIAL	Quartzite Sand / High Silica Sand	Silica Oxide	IS 1917 (Part 3)
56	CHEMICAL- BUILDING MATERIAL	Quartzite Sand / High Silica Sand	Sodium Oxide	IS 1917 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 4 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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
57	CHEMICAL- BUILDING MATERIAL	Silica Fume / Micro Silica	Loss on Ignition	IS 1727
58	CHEMICAL- BUILDING MATERIAL	Silica Fume / Micro Silica	Moisture Content	IS 15388
59	CHEMICAL- BUILDING MATERIAL	Silica Fume / Micro Silica	Silica Oxide	IS 1727
60	CHEMICAL- BUILDING MATERIAL	Silica Fume / Micro Silica	Sodium Oxide	IS 4032
61	CHEMICAL- BUILDING MATERIAL	Tiles - Acid resistance / Ceramic / Vitrified Tiles	Resistance to house hold chemicals & swimming pool salts (Stain and Chemical Resistance of Glazed Tiles)	IS 13630 (Part 8)
62	CHEMICAL- BUILDING MATERIAL	Tiles - Acid resistance / Ceramic / Vitrified Tiles	Resistance to Chemicals - acids and alkalis	IS 4457
63	CHEMICAL- BUILDING MATERIAL	Tiles - Acid resistance / Ceramic / Vitrified Tiles	Resistance to house hold chemicals & swimming pool salts	IS 4457
64	CHEMICAL- BUILDING MATERIAL	Tiles - Acid resistance / Ceramic / Vitrified Tiles	Stain and Chemical Resistance of Glazed Tiles	IS 13630 (Part 8)
65	CHEMICAL- BUILDING MATERIAL	Tiles - Acid resistance / Ceramic / Vitrified Tiles	Staining Test	IS 13630 (Part 7 & 8)
66	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Chromium	ASTM E 1251
67	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Copper	ASTM E 1251
68	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Iron	ASTM E 1251
69	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Lead	ASTM E 1251
70	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Magnesium	ASTM E 1251
71	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Manganese	ASTM E 1251
72	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Nickel	ASTM E 1251
73	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Silicon	ASTM E 1251
74	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Tin	ASTM E 1251

SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 5 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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
75	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Titanium	ASTM E 1251
76	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Vanadium	ASTM E 1251
77	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Zinc	ASTM E 1251
78	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Zirconium	ASTM E 1251
79	CHEMICAL- METALS & ALLOYS	Cast Iron & its Alloys	Aluminium	IS 15338
80	CHEMICAL- METALS & ALLOYS	Cast Iron & its Alloys	Carbon	IS 15338
81	CHEMICAL- METALS & ALLOYS	Cast Iron & its Alloys	Chromium	IS 15338
82	CHEMICAL- METALS & ALLOYS	Cast Iron & its Alloys	Manganese	IS 15338
83	CHEMICAL- METALS & ALLOYS	Cast Iron & its Alloys	Molybdenum	IS 15338
84	CHEMICAL- METALS & ALLOYS	Cast Iron & its Alloys	Nickel	IS 15338
85	CHEMICAL- METALS & ALLOYS	Cast Iron & its Alloys	Phosphorous	IS 15338
86	CHEMICAL- METALS & ALLOYS	Cast Iron & its Alloys	Silicon	IS 15338
87	CHEMICAL- METALS & ALLOYS	Cast Iron & its Alloys	Sulphur	IS 15338
88	CHEMICAL- METALS & ALLOYS	Cast Iron & its Alloys	Vanadium	IS 15338
89	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Aluminium	ASTM E 415
90	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Antimony	ASTM E 415
91	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Arsenic	ASTM E 415
92	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Boron	ASTM E 415
93	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Carbon	ASTM E 415

SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 6 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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
94	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Chromium	ASTM E 415
95	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Cobalt	ASTM E 415
96	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Copper	ASTM E 415
97	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Manganese	ASTM E 415
98	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Molybdenum	ASTM E 415
99	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Nickel	ASTM E 415
100	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Niobium	ASTM E 415
101	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Nitrogen	ASTM E 415
102	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Phosphorous	ASTM E 415
103	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Silicon	ASTM E 415
104	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Sulphur	ASTM E 415
105	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Tin	ASTM E 415
106	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Titanium	ASTM E 415
107	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & its Alloys	Vanadium	ASTM E 415
108	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
109	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
110	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
111	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
112	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E-1086

SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 7 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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
113	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
114	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E-1086
115	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
116	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E-1086
117	CHEMICAL- METALS & ALLOYS	Steel castings	Carbon	ASTM E 415
118	CHEMICAL- METALS & ALLOYS	Steel castings	Chromium	ASTM E 415
119	CHEMICAL- METALS & ALLOYS	Steel castings	Manganese	ASTM E 415
120	CHEMICAL- METALS & ALLOYS	Steel castings	Nickel	ASTM E 415
121	CHEMICAL- METALS & ALLOYS	Steel castings	Phosphorous	ASTM E 415
122	CHEMICAL- METALS & ALLOYS	Steel castings	Silicon	ASTM E 415
123	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	COD	APHA 23rd Ed 5220 method B & C
124	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium (as Mg)	APHA 23rd Ed 3500 - Mg method A
125	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Manganese (as Mn)	APHA 23rd Ed 3125 method B
126	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Turbidity	IS 3025 (Part 10)
127	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Vanadium (as V)	APHA 23rd Ed. 3125 method B
128	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Acidity	IS 3025 (Part 22)
129	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Alkalinity	IS 3025 (Part 23)
130	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Aluminium (as Al)	APHA 23rd Ed 3121 method B
131	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammonia (as total ammonia - N)	IS 3025 (Part-34)

SCOPE OF ACCREDITATION

Laboratory Name :	GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6166	**Page No**	8 of 25
Validity	10/08/2022 to 09/08/2024	**Last Amended on**	10/02/2023

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
132	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Antimony (as Sb)	APHA 23rd Ed 3125 method B
133	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Arsenic (as As)	APHA 23rd Ed 3125 method B
134	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Barium (as Ba)	APHA 23rd Ed 3125 B
135	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	BOD	APHA 23rd Ed 5210 method B
136	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Boron (as B)	APHA 23rd Ed 4500 method B
137	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Cadmium (as Cd)	APHA 23rd Ed 3125 method B
138	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium (as Ca)	IS 3025 (Part-40)
139	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride (as Cl)	IS 3025 (Part 32)
140	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chromium (as Cr)	APHA 23rd Ed 3125 method B
141	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Cobalt (as Co)	APHA 23rd Ed 3120 method B
142	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Colour	IS 3025 (Part 4)
143	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Copper (as Cu)	APHA 23rd Ed 3125 method B
144	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved oxygen	APHA 23rd Ed. 4500 - O method G
145	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Electrical Conductivity	IS 3025 (Part 14)
146	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron (as Fe)	APHA 23rd Ed 3120 method B
147	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Lead (as Pb)	APHA 23rd Ed 3125 method B
148	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Mercury (as Hg)	APHA 23rd Ed 3500 - Hg
149	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Molybdenum (as Mo)	APHA 23rd Ed 3125
150	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nickel (as Ni)	APHA 23rd Ed 3125 method B

SCOPE OF ACCREDITATION

Laboratory Name :	GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6166	**Page No**	9 of 25
Validity	10/08/2022 to 09/08/2024	**Last Amended on**	10/02/2023

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
151	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	IS 3025 (Part 11)
152	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium (as K)	APHA 23rd Ed 3500 - K method B
153	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Silica (as Si)	IS 3025 (Part 35)
154	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium (as Na)	APHA 23rd Ed 3500 - Na method C
155	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Strontium	APHA 23rd Ed 3120 method B
156	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate (as SO4)	IS 3025 (Part 24, Sec 1))
157	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphide (as H2S)	APHA 23rd Ed. 4500 - S2- F
158	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphite (as SO3)	APHA 23rd Ed. 4500 - SO32- method B
159	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Suspended Solids	IS 3025 (Part 17)
160	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Temperature	IS 3025 (Part 9)
161	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total dissolved Solids	IS 3025 (Part 16)
162	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total hardness (as CaCO3)	IS 3025 (Part 21)
163	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Kjeldhal’s Nitrogen	APHA 23rd Ed. 4500 - N org method B & C
164	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total solids	IS 3025 (Part 15)
165	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Zinc (as Zn)	APHA 23rd Ed. 3125 method B
166	CHEMICAL- RESIDUES IN WATER	Drinking Water	Magnesium (as Mg)	APHA 23rd-Ed 3500 - Mg method B
167	CHEMICAL- RESIDUES IN WATER	Drinking Water	Manganese (as Mn)	APHA 23rd Ed 3125 method B
168	CHEMICAL- RESIDUES IN WATER	Drinking Water	Strontium	APHA 23rd Ed 3120 method B
169	CHEMICAL- RESIDUES IN WATER	Drinking Water	Aluminium (as Al)	APHA 23rd Ed 3125 method B

SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 10 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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
170	CHEMICAL- RESIDUES IN WATER	Drinking Water	Antimony (as Sb)	APHA 23rd Ed 3125 B
171	CHEMICAL- RESIDUES IN WATER	Drinking Water	Arsenic (as As)	APHA 23rd Ed 3125 method B
172	CHEMICAL- RESIDUES IN WATER	Drinking Water	Barium (as Ba)	APHA 23rd Ed 3125 method B
173	CHEMICAL- RESIDUES IN WATER	Drinking Water	Boron (as B)	APHA 23rd Ed 4500 method B
174	CHEMICAL- RESIDUES IN WATER	Drinking Water	Cadmium (as Cd)	APHA 23rd Ed 3125 method B
175	CHEMICAL- RESIDUES IN WATER	Drinking Water	Calcium (as Ca)	IS 3025 (Part 40)
176	CHEMICAL- RESIDUES IN WATER	Drinking Water	Chromium (as Cr)	APHA 23rd Ed 3125 method B
177	CHEMICAL- RESIDUES IN WATER	Drinking Water	Cobalt (as Co)	APHA 23rd Ed 3500-Co (Section 3120 B)
178	CHEMICAL- RESIDUES IN WATER	Drinking Water	Copper (as Cu)	APHA 23rd Ed 3125 method B
179	CHEMICAL- RESIDUES IN WATER	Drinking Water	Iron (as Fe)	APHA 23rd Ed 3120 method B
180	CHEMICAL- RESIDUES IN WATER	Drinking Water	Lead (as Pb)	APHA 23rd Ed 3125 method B
181	CHEMICAL- RESIDUES IN WATER	Drinking Water	Mercury (as Hg)	APHA 23rd Ed 3500 - Hg
182	CHEMICAL- RESIDUES IN WATER	Drinking Water	Molybdenum (as Mo)	APHA 23rd Ed 3500 - Mo
183	CHEMICAL- RESIDUES IN WATER	Drinking Water	Nickel (as Ni)	APHA 23rd Ed 3125 method B
184	CHEMICAL- RESIDUES IN WATER	Drinking Water	Potassium (as K)	APHA 23rd Ed 3500-K method C
185	CHEMICAL- RESIDUES IN WATER	Drinking Water	Sodium (as Na)	APHA 23rd Ed 3500 - Na method C
186	CHEMICAL- RESIDUES IN WATER	Ground Water	Aluminium (as Al)	APHA 23rd Ed 3125 method B
187	CHEMICAL- RESIDUES IN WATER	Ground Water	Antimony (as Sb)	APHA 23rd Ed 3125 B
188	CHEMICAL- RESIDUES IN WATER	Ground Water	Arsenic (as As)	APHA 23rd Ed 3125 method B

SCOPE OF ACCREDITATION

Laboratory Name :	GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6166	**Page No**	11 of 25
Validity	10/08/2022 to 09/08/2024	**Last Amended on**	10/02/2023

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
189	CHEMICAL- RESIDUES IN WATER	Ground Water	Barium (as Ba)	APHA 23rd Ed 3125 method B
190	CHEMICAL- RESIDUES IN WATER	Ground Water	Boron (as B)	APHA 23rd Ed 4500 method B
191	CHEMICAL- RESIDUES IN WATER	Ground Water	Cadmium (as Cd)	APHA 23rd Ed 3125 method B
192	CHEMICAL- RESIDUES IN WATER	Ground Water	Chromium (as Cr)	APHA 23rd Ed 3125 method B
193	CHEMICAL- RESIDUES IN WATER	Ground Water	Cobalt (as Co)	APHA 23rd Ed 3500-Co (Section 3120 B)
194	CHEMICAL- RESIDUES IN WATER	Ground Water	Copper (as Cu)	APHA 23rd Ed 3125 method B
195	CHEMICAL- RESIDUES IN WATER	Ground Water	Iron (as Fe)	APHA 23rd Ed 3120 method B
196	CHEMICAL- RESIDUES IN WATER	Ground Water	Lead (as Pb)	APHA 23rd Ed 3125 method B
197	CHEMICAL- RESIDUES IN WATER	Ground Water	Magnesium (as Mg)	APHA 23rd Ed 3500 - Mg method B
198	CHEMICAL- RESIDUES IN WATER	Ground Water	Manganese (as Mn)	APHA 23rd Ed 3125 method B
199	CHEMICAL- RESIDUES IN WATER	Ground Water	Mercury (as Hg)	APHA 23rd Ed 3500 - Hg
200	CHEMICAL- RESIDUES IN WATER	Ground Water	Molybdenum (as Mo)	APHA 23rd Ed 3500 -Mo
201	CHEMICAL- RESIDUES IN WATER	Ground Water	Nickel (as Ni)	APHA 23rd Ed 3125 method B
202	CHEMICAL- RESIDUES IN WATER	Ground Water	Potassium (as K)	APHA 23rd Ed 3500 - K method C
203	CHEMICAL- RESIDUES IN WATER	Ground Water	Sodium (as Na)	APHA 23rd Ed 3500 - Na method C
204	CHEMICAL- RESIDUES IN WATER	Ground Water	Strontium	APHA 23rd Ed 3120 method B
205	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Aluminium (as Al)	APHA 23rd Ed 3125 method B
206	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Antimony (as Sb)	APHA 23rd Ed 3125 method B
207	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Arsenic (as As)	APHA 23rd Ed 3125 method B

SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 12 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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
208	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Barium (as Ba)	APHA 23rd Ed 3125 method B
209	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Boron (as B)	APHA 23rd Ed 4500 method B
210	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Cadmium (as Cd)	APHA 23rd ED 3125 method B
211	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Calcium (as Ca)	IS 3025 (Part 40)
212	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Chromium (as Cr)	APHA 23rd Ed 3125 method B
213	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Cobalt (as Co)	APHA 23rd Ed 3500-Co (Section 3120 B)
214	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Copper (as Cu)	APHA 23rd Ed 3125 method B
215	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Iron (as Fe)	APHA 23rd Ed 3120 method B
216	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Lead (as Pb)	APHA 23rd Ed 3125 method B
217	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Magnesium (as Mg)	APHA23rd Ed 2012 3500-Mg method B
218	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Manganese (as Mn)	APHA 22nd Ed 2012 3125 method B
219	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Mercury (as Hg)	APHA 23rd Ed 3500-Hg
220	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Molybdenum (as Mo)	APHA 23rd Ed 3500-Mo
221	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Nickel (as Ni)	APHA 23rd Ed 3125 method B
222	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Potassium (as K)	APHA 23rd Ed 3500-K method C
223	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Sodium (as Na)	APHA 23rd Ed 3500-Na method C
224	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water	Strontium	APHA 23rd Ed 3120 method B
225	CHEMICAL- RESIDUES IN WATER	Water for Irrigation Purpose	Boron (as B)	APHA 23rd Ed 4500 method B
226	CHEMICAL- RESIDUES IN WATER	Water for Irrigation Purpose	Calcium (as Ca)	IS 3025 (Part-40)

SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 13 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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
227	CHEMICAL- RESIDUES IN WATER	Water for Irrigation Purpose	Magnesium (as Mg)	APHA 23rd Ed 3500 -Mg method B
228	CHEMICAL- RESIDUES IN WATER	Water for Irrigation Purpose	Potassium (as K)	APHA 23rd Ed 3500 - K method B
229	CHEMICAL- RESIDUES IN WATER	Water for Irrigation Purpose	Sodium (as Na)	APHA 23rd Ed 3500 - Na method C
230	CHEMICAL- SOIL AND ROCK	Bentonite	Copper as CuO	IS 6186
231	CHEMICAL- SOIL AND ROCK	Bentonite	Gel Formation index	IS 6186
232	CHEMICAL- SOIL AND ROCK	Bentonite	Loss on Ignition	IS 6186
233	CHEMICAL- SOIL AND ROCK	Bentonite	Manganese as MnO	IS 6186
234	CHEMICAL- SOIL AND ROCK	Bentonite	Matter Soluble in water	IS 6186
235	CHEMICAL- SOIL AND ROCK	Bentonite	pH	IS 6186
236	CHEMICAL- SOIL AND ROCK	Soil	Calcium Carbonate	IS 2720 (Part 23)
237	CHEMICAL- SOIL AND ROCK	Soil	Chloride (as Cl)	BS 1377 (Part 3)
238	CHEMICAL- SOIL AND ROCK	Soil	Electrical Conductivity, milimhos/cm	IS 14767
239	CHEMICAL- SOIL AND ROCK	Soil	Loss on Ignition,%	BS 1377 (Part 3)
240	CHEMICAL- SOIL AND ROCK	Soil	Organic Carbon , %	BS 1377 (Part 3)
241	CHEMICAL- SOIL AND ROCK	Soil	Organic Matter, %	IS 2720 (Part 22)
242	CHEMICAL- SOIL AND ROCK	Soil	pH Value	IS 2720 (Part 26)
243	CHEMICAL- SOIL AND ROCK	Soil	Redox Potential, mv	BS 1377 (Part 3)
244	CHEMICAL- SOIL AND ROCK	Soil	Total Dissolved Solids	IS 2720 (Part 21)
245	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphate %	IS 2720 (Part 27)

SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 14 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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	CHEMICAL- WATER	Drinking Water	Acidity	IS 3025 (Part 22)
247	CHEMICAL- WATER	Drinking Water	Alkalinity	IS 3025 (Part 23)
248	CHEMICAL- WATER	Drinking Water	Ammonia (as total ammonia - N)	APHA 23rd Ed 4500-NH3 C
249	CHEMICAL- WATER	Drinking Water	Chloride (as Cl)	IS 3025 (Part 32)
250	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part 4)
251	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
252	CHEMICAL- WATER	Drinking Water	Sulphate (as SO4)	IS 3025 (Part 24, Sec 1))
253	CHEMICAL- WATER	Drinking Water	Total hardness (as CaCO3)	IS 3025 (Part 21)
254	CHEMICAL- WATER	Drinking Water	Total Solids	IS 3025 (Part 15)
255	CHEMICAL- WATER	Ground Water	Acidity	IS 3025 (Part 22)
256	CHEMICAL- WATER	Ground Water	Alkalinity	IS 3025 (Part 23)
257	CHEMICAL- WATER	Ground Water	Ammonia (as total ammonia - N)	APHA 23rd Ed 4500 - NH3 C
258	CHEMICAL- WATER	Ground Water	Calcium (as Ca)	IS 3025 (Part 40)
259	CHEMICAL- WATER	Ground Water	Chloride (as Cl)	IS 3025 (Part 32)
260	CHEMICAL- WATER	Ground Water	Colour	IS 3025 (Part 4)
261	CHEMICAL- WATER	Ground Water	pH	IS 3025 (Part 11)
262	CHEMICAL- WATER	Ground Water	Sulphate (as SO4)	IS 3025 (Part 24, Sec 1)
263	CHEMICAL- WATER	Ground Water	Total hardness (as CaCO3)	IS 3025 (Part 21)
264	CHEMICAL- WATER	Ground Water	Total solids	IS 3025 (Part 15)
265	CHEMICAL- WATER	Packaged Drinking water	Alkalinity	IS 3025 (Part 23)
266	CHEMICAL- WATER	Packaged Drinking water	Acidity	IS 3025 (Part 22)
267	CHEMICAL- WATER	Packaged Drinking water	Ammonia (as total ammonia - N)	APHA 23rd Ed 4500- NH3 C
268	CHEMICAL- WATER	Packaged Drinking water	Chloride (as Cl)	IS 3025 (Part 32)
269	CHEMICAL- WATER	Packaged Drinking water	Colour	IS 3025 (Part 4)
270	CHEMICAL- WATER	Packaged Drinking water	pH	IS 3025 (Part 11)
271	CHEMICAL- WATER	Packaged Drinking water	Sulphate (as SO4)	IS 3025 (PART 24, Sec 1)
272	CHEMICAL- WATER	Packaged Drinking water	Total hardness (as CaCO3)	IS 3025 (PART 21)
273	CHEMICAL- WATER	Packaged Drinking water	Total solids	IS 3025 (PART 15)
274	CHEMICAL- WATER	Packaged Drinking water	Turbidity	IS 3025 (Part 10)

SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 15 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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
275	CHEMICAL- WATER	Water	Turbidity	IS 3025 (Part 10)
276	CHEMICAL- WATER	Water for Construction Purpose	Chloride (as Cl)	IS 3025 (Part 32)
277	CHEMICAL- WATER	Water for Construction Purpose	Inorganic solids	IS 3025 (Part 18)
278	CHEMICAL- WATER	Water for Construction Purpose	Neutralization with 0.02 N H2SO4	IS 3025 (Part 23)
279	CHEMICAL- WATER	Water for Construction Purpose	Neutralization with 0.02 N NaOH	IS 3025 (Part 22)
280	CHEMICAL- WATER	Water for Construction Purpose	Organic solids	IS 3025 (Part 18)
281	CHEMICAL- WATER	Water for Construction Purpose	pH	IS 3025 (Part 11)
282	CHEMICAL- WATER	Water for Construction Purpose	Sulphate	IS 3025 (Part 24, Sec 1))
283	CHEMICAL- WATER	Water for Construction Purpose	Suspended Solids	IS 3025 (Part 17)
284	CHEMICAL- WATER	Water for Irrigation Purpose	Alkalinity	IS 3025 (Part 23)
285	CHEMICAL- WATER	Water for Irrigation Purpose	Electrical Conductivity	IS 3025 (Part 14)
286	CHEMICAL- WATER	Water for Irrigation Purpose	pH	IS 3025 (Part 11)
287	CHEMICAL- WATER	Water for Irrigation Purpose	Sodium adsorption ratio	IS 11624
288	CHEMICAL- WATER	Water for Irrigation Purpose	Total dissolved Solids	IS 3025 (Part 16)
289	MECHANICAL- BUILDINGS MATERIALS	Cast iron Manhole Cover	Dimension Test	IS 1726
290	MECHANICAL- BUILDINGS MATERIALS	Cast iron Manhole Cover	Load Test	IS 1726
291	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Manhole Cover	Load Test	IS 12592
292	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse & Fine)	Petrographic Examination	IS 2386 (Part 8)
293	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast)	10% Fines Value	IS 2386 (Part 4)
294	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast)	Abrasion value	IS 2386 (Part 4)
295	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast)	Bulk density	IS 2386 (Part 3)
296	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast)	Crushing value	IS 2386 (Part 4)
297	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast)	Deleterious Material	IS 2386 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6166	**Page No**	16 of 25
Validity	10/08/2022 to 09/08/2024	**Last Amended on**	10/02/2023

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
298	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast)	Elongation Index	IS 2386 (Part 1)
299	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast)	Flakiness index	IS 2386 (Part 1)
300	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast)	Impact value	IS 2386 (Part 4)
301	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast)	Sieve analysis (Gradation) (Size: 2.36 mm to 80 mm)	IS 2386 (Part 1)
302	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast)	Soundness by MgSO4	IS 2386 (Part 5)
303	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast)	Soundness by Na2SO4	IS 2386 (Part 5)
304	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast)	Specific gravity	IS 2386 (Part 3)
305	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone Metal, Ballast)	Water absorption	IS 2386 (Part 3)
306	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine, Stone dust, Sand , Crusher dust, Binding & Screening material)	Specific gravity	IS 2386 (Part 3)
307	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine, Stone dust, Sand , Crusher dust, Binding & Screening material)	Water absorption	IS 2386 (Part 3)
308	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine, Stone dust, Sand , Crusher dust, Binding & Screening material)	Bulk density	IS 2386 (Part 3)
309	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine, Stone dust, Sand , Crusher dust, Binding & Screening material)	Material Finer than 75 micron	IS 2386 (Part 1)
310	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine, Stone dust, Sand , Crusher dust, Binding & Screening material)	Sieve analysis (Gradation) (Size: 0.15 mm to 10 mm)	IS 2386 (Part 1)
311	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Cellular Block	Density	IS 6441 (Part 1)
312	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Cellular Blocks	Compressive Strength	IS 6441 (Part 5)
313	MECHANICAL- BUILDINGS MATERIALS	Autocleaved Aerated Cellular Block	Drying Shrinkage	IS 6441 (Part 2)
314	MECHANICAL- BUILDINGS MATERIALS	Autocleaved Aerated Cellular Blocks ' :	Dimensions-Height	IS 2185 (Part 3)
315	MECHANICAL- BUILDINGS MATERIALS	Autocleaved Aerated Cellular Blocks	Dimensions-Length	IS 2185 (Part 3)
316	MECHANICAL- BUILDINGS MATERIALS	Autocleaved Aerated Cellular Blocks	Dimensions-Width	IS 2185 (Part 3)

SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 17 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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
317	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
318	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
319	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
320	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS 1212
321	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Matter Soluble in Trichloroethylene	IS 1216
322	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration at 25oC (1/10mm)	IS 1203
323	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
324	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
325	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Thin Film oven test - Loss in mass	IS 9382
326	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete Mix	Binder content	IRC SP 11
327	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete Mix	Density of the mix	ASTM D2726
328	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete Mix	Marshall flow	ASTM D6927
329	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete Mix	Marshall stability	ASTM D6927
330	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive strength	IS 3495 Part 1
331	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 Part 3
332	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water absorption	IS 3495 Part 2
333	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions- Height	IS 1077
334	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions- Width	IS 1077
335	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions- Length	IS 1077

SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 18 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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
336	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, SRC, PSC)	Initial Setting Time	IS 4031 (Part 5)
337	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, SRC, PSC)	Fineness (Blains)	IS 4031 (Part 2)
338	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, SRC, PSC)	Final Setting Time	IS 4031 (Part 5)
339	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC, PPC,SRC, PSC)	Soundness (Le Chatlier)	IS 4031 (Part 3)
340	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC,PPC,SRC,PSC)	Compressive Strength	IS 4031 (Part 6)
341	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC,PPC,SRC,PSC)	Consistency	IS 4031 (Part 4)
342	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC,PPC,SRC,PSC)	Density	IS 4031 (Part 11)
343	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC,PPC,SRC,PSC)	Drying Shrinkage	IS 4031 (Part 10)
344	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC,PPC,SRC,PSC)	Fineness by Dry Sieve Sieve Size is 90 micron	IS 4031 (Part 1)
345	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC,PPC,SRC,PSC)	Soundness (Autoclave)	IS 4031 (Part 3)
346	MECHANICAL- BUILDINGS MATERIALS	Concrete (Hardened), Cube, Cylinder, Core, Beam	Modulus of Elasticity	IS 516 (Part 8, Sec 1)
347	MECHANICAL- BUILDINGS MATERIALS	Concrete (Hardened), Cube, Cylinder, Core, Beam	Compressive Strength	IS 516 (Part 1, Sec 1)
348	MECHANICAL- BUILDINGS MATERIALS	Concrete (Hardened), Cube, Cylinder, Core, Beam	Flexural Strength	IS 516 (Part 1, Sec 1)
349	MECHANICAL- BUILDINGS MATERIALS	Concrete (Hardened), Cube, Cylinder, Core, Beam	Water Penetration of Concrete	IS 516 (Part 2, Sec 1)
350	MECHANICAL- BUILDINGS MATERIALS	Concrete blocks	Compressive Strength	IS 2185 (Part 1)
351	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/ Glazed Vitrified) ' : 100 mm to	Dimensions-Thickness	IS 13630 (Part 1)
352	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/ Glazed Vitrified) ' :	Dimensions-Width	IS 13630 (Part 1)
353	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/ Glazed Vitrified)	Breaking Strength	IS 13630 (Part 6)
354	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/ Glazed Vitrified)	Modulus of Rupture	IS 13630 (Part 6)

SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 19 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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
355	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/ Glazed Vitrified)	Scratch hardness(Moh's Hardness)	IS 13630 (Part 13)
356	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/ Glazed Vitrified)	Straightness	IS 13630 (Part 1)
357	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/ Glazed Vitrified)	Rectangularity	IS 13630 (Part 1)
358	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/ Glazed Vitrified)	Surface Flatness-Centre Carvature	IS 13630 (Part 1)
359	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/ Glazed Vitrified)	Dimensions-Length	IS 13630 (Part 1)
360	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/ Glazed Vitrified)	Surface Flatness-Edge Carvature	IS 13630 (Part 1)
361	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/ Glazed Vitrified)	Surface Flatness-Warpage	IS 13630 (Part 1)
362	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/ Glazed Vitrified)	Surface Quality	IS 13630 (Part 1)
363	MECHANICAL- BUILDINGS MATERIALS	Flooring Tiles (Ceramic/Glazed Vitrified)	Water absorption	IS 13630 (Part 2)
364	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks '	Dimensions-Height	IS 13757
365	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimensions-Length	IS 13757
366	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimensions-Width	IS 13757
367	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete/ Admixtures	Air content	IS 1199 (Part 4)
368	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete/ Admixtures	Bleeding	IS 9103
369	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete/ Admixtures	Flexural Strength	IS 516 (Part-1 Sec-1)
370	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete/ Admixtures	Flow	IS 9103
371	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete/ Admixtures	Setting Time	IS 1199 (Part 7)
372	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete/ Admixtures	Slump	IS 1199 (Part-2)
373	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Drying Shrinkage	IS 516 (Part 6)

SCOPE OF ACCREDITATION

Laboratory Name :	GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6166	**Page No**	20 of 25
Validity	10/08/2022 to 09/08/2024	**Last Amended on**	10/02/2023

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
374	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Rapid Chloride Ion Penetration Resistance through Electrical Conductance	ASTM C1202
375	MECHANICAL- BUILDINGS MATERIALS	Paving Blocks	Compressive Strength	IS 15658
376	MECHANICAL- BUILDINGS MATERIALS	Pozzolana (Fly ash /GGBS, Fuel Ash , Bottom Ash, Micro silica)	Lime reactivity	IS 1727
377	MECHANICAL- BUILDINGS MATERIALS	Pozzolana (Fly ash /GGBS, Fuel Ash, Bottom Ash, Micro silica)	Soundness by Le-Chatlier	IS 1727
378	MECHANICAL- BUILDINGS MATERIALS	Pozzolana (Fly ash/GGBS, Fuel Ash , Bottom Ash, Micro silica)	Compressive strength in % of control samples	IS 1727
379	MECHANICAL- BUILDINGS MATERIALS	Pozzolana (Fly ash/GGBS, Fuel Ash , Bottom Ash, Micro silica)	Soundness by Autoclave	IS 1727
380	MECHANICAL- BUILDINGS MATERIALS	Pozzolana(Fly ash / GGBS, Fuel Ash , Bottom Ash, Micro silica)	Fineness- Specific surface (Blains)	IS 1727
381	MECHANICAL- BUILDINGS MATERIALS	Pozzolana(Fly ash /GGBS, Fuel Ash , Bottom Ash, Micro silica)	Final Setting time	IS 1727
382	MECHANICAL- BUILDINGS MATERIALS	Pozzolana(Fly ash /GGBS, Fuel Ash , Bottom Ash, Micro silica)	Initial Setting time	IS 1727
383	MECHANICAL- BUILDINGS MATERIALS	Pozzolana(Fly ash/GGBS, Fuel Ash, Bottom Ash, Micro silica)	Sieve Analysis (45 microns retained)	IS 1727
384	MECHANICAL- BUILDINGS MATERIALS	Pozzolana(Flyash/GGBS, Fuel Ash, Bottom Ash, Micro silica)	Specific Gravity	IS 1727
385	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Blocks, Paver block	Abrasion Resistance (Loss in volume)	IS 15658
386	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Blocks, Paver block	Dimensions-Height	IS 15658
387	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Blocks, Paver block	Dimensions-Length	IS 15658
388	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Blocks, Paver block	Dimensions-Width	IS 15658
389	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Blocks, Paver block	Water absorption	IS 15658
390	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Manhole Cover	Dimension Test	IS 12592
391	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Structural Steel	Bend Test	IS 1599

SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 21 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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
392	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Structural Steel	Yield Strength/ 0.2% Proof stress, N/mm2	IS 1608 (Part 1)
393	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Structural Steel	Elongation, %	IS 1608 (Part 1)
394	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Structural Steel	Mass per Meter, Kg/m	IS 1786
395	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Structural Steel	Re-bend Test	IS 1786
396	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Structural Steel	Tensile Strength	IS 1608 (Part 1)
397	MECHANICAL- BUILDINGS MATERIALS	Road Marking Material (Thermo Plastic Paint)	Binder Content	BS 3262 (Part 1)
398	MECHANICAL- BUILDINGS MATERIALS	Road Marking Material (Thermo Plastic Paint)	Glass Bead	AASHTO M 249
399	MECHANICAL- BUILDINGS MATERIALS	Road Marking Material (Thermo Plastic Paint)	Retro Reflectivity Test - White	ASTM E 1710
400	MECHANICAL- BUILDINGS MATERIALS	Road Marking Material (Thermo Plastic Paint)	Retro Reflectivity Test – Yellow	ASTM E 1710
401	MECHANICAL- BUILDINGS MATERIALS	Wire Strand	0.2% Proof Load	IS 1608 (Part 1)
402	MECHANICAL- BUILDINGS MATERIALS	Wire Strand	Breaking Strength of Strand	IS 1608 (Part 1)
403	MECHANICAL- BUILDINGS MATERIALS	Wire Strand	Elongation	IS 1608 (Part 1)
404	MECHANICAL- SOIL AND ROCK	Bentonite	Density of Slurry	ASTM D4380
405	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid Limit	IS 2720 (Part 5)
406	MECHANICAL- SOIL AND ROCK	Bentonite	Marsh Cone Viscosity	ASTM D6910
407	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture Content	IS 2720 (Part 2)
408	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content by Grain Size Analysis (0.075 to 4.75 mm)	IS 2720 (Part 4)
409	MECHANICAL- SOIL AND ROCK	Bentonite	Swelling Power	IS 6186, (Annexure A-5)
410	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030

SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 22 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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
411	MECHANICAL- SOIL AND ROCK	Rock	Modulus of Elasticity	IS 9221
412	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index	IS 8764
413	MECHANICAL- SOIL AND ROCK	Rock	Poission's Ratio	IS 9221
414	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
415	MECHANICAL- SOIL AND ROCK	Rock	Scratch Hardness (Mohs Scale)	IS 13630 (Part 13)
416	MECHANICAL- SOIL AND ROCK	Rock	Slake Durability Index	IS 10050
417	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS 1124
418	MECHANICAL- SOIL AND ROCK	Rock	Tensile Strength by Brazilian Test	IS 10082
419	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
420	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
421	MECHANICAL- SOIL AND ROCK	Soil	Consolidation - Compression Index, Cc	IS 2720 (Part 15)
422	MECHANICAL- SOIL AND ROCK	Soil	Consolidation - Pre Consolidation Pressure, Pc	IS 2720 (Part 15)
423	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test - Angle of Internal Friction	IS 2720 (Part 13)
424	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test - Cohesion	IS 2720 (Part 13)
425	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
426	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (0.075 to 4.75mm)	IS 2720 (Part 4)
427	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Maximum Dry Density (MDD)	IS 2720 (Part 8)
428	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Optimum Moisture Content (OMC)	IS 2720 (Part 8)
429	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Maximum Dry Density (MDD)	IS 2720 (Part 7)

SCOPE OF ACCREDITATION

Laboratory Name :	GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6166	**Page No**	23 of 25
Validity	10/08/2022 to 09/08/2024	**Last Amended on**	10/02/2023

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430	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Optimum Moisture Content (OMC)	IS 2720 (Part 7)
431	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit	IS 2720 (Part 5)
432	MECHANICAL- SOIL AND ROCK	Soil	Permeability - Constant Head	IS 2720 (Part 17)
433	MECHANICAL- SOIL AND ROCK	Soil	Permeability - Falling Head	IS 2720 (Part 17)
434	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit	IS 2720 (Part 5)
435	MECHANICAL- SOIL AND ROCK	Soil	Relative Density - Max Density	IS 2720 (Part 14)
436	MECHANICAL- SOIL AND ROCK	Soil	Relative Density - Min Density	IS 2720 (Part 14)
437	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
438	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3 Sec1)
439	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
440	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression - Angle of Internal Friction	IS 2720 (Part 11)
441	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression - Cohesion	IS 2720 (Part 11)
442	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Strength	IS 2720 (Part 10)

SCOPE OF ACCREDITATION

Laboratory Name : GEO TEST HOUSE - A DIVISION OF GEO DESIGNS & RESEARCH PVT. LTD., B-10, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6166 **Page No** 24 of 25

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 10/02/2023

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	Bituminous Concrete Pavement	Trailer & Vehicle Mounted Falling Weight Deflectometer Test	IRC 115
2	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete/ Cement concrete - Pavements	Network Survey Vehicle - Chainage by HRDMI Odometer	IRC 82
3	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete/ Cement concrete - Pavements	Network Survey Vehicle - Gradient	IRC 82
4	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete/ Cement concrete - Pavements	Network Survey Vehicle - Horizontal Curve length	IRC 82
5	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete/ Cement concrete - Pavements	Network Survey Vehicle - International Roughness Index	IRC 82
6	MECHANICAL- BUILDINGS MATERIALS	Cement concrete Pavement	Trailer & Vehicle Mounted Falling Weight Deflectometer Test	IRC 117
7	MECHANICAL- SOIL AND ROCK	Soil	Block Vibration by Foced Vibration - Coefficient of Elastic Uniform Compression, Cu	IS 5249
8	MECHANICAL- SOIL AND ROCK	Soil	Dry Density - Core Cutter Method	IS 2720 (Part 29)
9	MECHANICAL- SOIL AND ROCK	Soil	Dry Density - Sand Replacement Method	IS 2720 (Part 28)
10	MECHANICAL- SOIL AND ROCK	Soil	Dynamic Cone Penetration	IS 4968 (Part 1 & 2)
11	MECHANICAL- SOIL AND ROCK	Soil	Earth Resistivity by Wenner's Four Electrode method	IS 3043
12	MECHANICAL- SOIL AND ROCK	Soil	Field California Bearing Ratio	IS 2720 (Part 31)
13	MECHANICAL- SOIL AND ROCK	Soil	Field Moisture Test by Core Cutter Method	IS 2720 (Part 29)
14	MECHANICAL- SOIL AND ROCK	Soil	Field Moisture Test by Sand Replacement Method	IS 2720 (Part 28)
15	MECHANICAL- SOIL AND ROCK	Soil	Load Test on Piles 1. Compression Load Test Range 5 to 1800 MT 2. Lateral Load Test Range 1 to 200 MT 3. Pull-out Load Test Range 1 to 200 MT	IS 2911 (Part 4)
16	MECHANICAL- SOIL AND ROCK	Soil	Modulus of Subgrade Reaction (K-Value)	IS 9214

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6166	**Page No**	25 of 25
Validity	10/08/2022 to 09/08/2024	**Last Amended on**	10/02/2023

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
17	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test	IS 1888
18	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration	IS 2131
19	MECHANICAL- SOIL AND ROCK	Soil & Rock	Pull-out test on anchor bars and Rock bolts	IS 11309
20	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Pile	Low Strain Impact Integrity on Piles Range 3200 to 4500 m/s MU 50 @ 3875 m/s	IS 14893
21	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Cover Measurment	BS 1881 (Part 204)
22	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Depth of Carbonation	IS 516 (Part 5 Sec 3)
23	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Half-Cell Potentials of Uncoated Reinforcing Steel in Concrete	IS 516 (Part 5 Sec 2)
24	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer	IS 516 (Part 5 Sec 4)
25	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic Pulse Velocity	IS 516 (Part 5 Sec 1)

NOTE- The Laboratory has demonstrated competence for the stated scope for WATER. This however does not fully cover the specification requirements of BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428.