National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GEO GLOBE CONSULTANTS (TESTING LABORATORY), PLOT NO. 777, FIRST FLOOR, SECTOR-82, JLPL INDUSTRIAL AREA, MOHALI, S.A.S NAGAR, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 18/08/2022 to 17/08/2024 **Last Amended on** 08/09/2022

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- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide (NO2)	IS 5182 (Part-6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone (O3)	IS-5182 (Part-9)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM10)	IS 5182 (Part-23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO2)	IS 5182 (Part-2)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Emission from Stationary Sources (From Stack/ Ducts)	Oxides of Nitrogen (NO2)	IS 11255 (Part-7)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Emission from Stationary Sources (From Stack/ Ducts)	Particulate Matter (PM)	IS 11255 (Part-1)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Emission from Stationary Sources (From Stack/ Ducts)	Sulphur Dioxide(SO2)	IS 11255 (Part-2)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Emission from Stationary Sources (From Stack/ Ducts)	Temperature	IS -11255 (Part -2)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Emission from Stationary Sources (From Stack/ Ducts)	Velocity & flow	IS -11255 (Part-3)
10	CHEMICAL- BUILDING MATERIAL	(OPC&PPC)	Insoluble Residue	IS-4032
11	CHEMICAL- BUILDING MATERIAL	(OPC&PPC)	Iron Oxide	IS-4032
12	CHEMICAL- BUILDING MATERIAL	(OPC&PPC)	Loss on Ignition	IS-4032
13	CHEMICAL- BUILDING MATERIAL	(OPC&PPC)	Magnesia (Mgo)	IS_4032
14	CHEMICAL- BUILDING MATERIAL	(OPC&PPC)	Silica(as Sio2)	IS-4032
15	CHEMICAL- BUILDING MATERIAL	(OPC&PPC)	Sulphuric Anhydride (So3)	IS-4032
16	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Water soluble Chloride	IS-14959 (Part-2)
17	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Total Sulphate Content (SO3)	IS:4032
18	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Total Sulphate Content (SO3)	IS 4032

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19	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Water soluble Chloride	IS-14959 (Part-2)
20	CHEMICAL- BUILDING MATERIAL	OPC & PPC	Alumina (as Al2O3)	IS_4032
21	CHEMICAL- BUILDING MATERIAL	OPC&PPC	Calcium Oxide(As CaO)	IS-4032
22	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Matter& Organic Carbon	IS 2720 (P-22)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH	IS 2720 (P-26)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Specific Gravity	IS 2720 (P-3)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Soluble Solid	IS 2720 (P-21)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammonical Nitrogen	IS 3025(P-34)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrite (NO2)	IS 3025 (P-34)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	IS-3025 (Part-39)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Bio- Chemical Oxygen Demand (BOD)	IS-3025 (P-44)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium	IS-3025(Part-40)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Chemical Oxygen Demand (COD)	APHA 22nd Edition (P-5-17) (Open Refluxing Method)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Chloride (Cl)	IS-3025 (P-32)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron(Fe)	APHA 22nd Edition (P-3111)-
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Magnesium(Mg)	IS-3025 (Part-24)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrate (NO3)	IS-3025 (P-34), APHA 23 edition
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Odour	IS-3025(Part-5)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	IS-3025(P-11)

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38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium (K)	IS-3025 (Part-45)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium (Na)	IS-3025(P-45) (Flame photometer method)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Specific Conductivity	IS-3025 (P-14)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Sulphate (SO3)	IS-3025 (P-24)
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Hardness	IS-3025(P-21)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Alkalinity (as Caco3)	IS-3025(Part-23
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total dissolved solids	IS-3025 (Part-16)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended solids	IS-3025 (P-17)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Turbidity	IS-3025 (Part-10)
47	CHEMICAL- WATER	Construction water	Inorganic solids	IS- 3025(Part 18) (Gravimetric Method)
48	CHEMICAL- WATER	Construction Water	Neutralisation of 100 ml of water sample with mixed indicator using 0.02 N , H2SO4	IS 3025 (Part 23)
49	CHEMICAL- WATER	Construction Water	Neutralisation of 100 ml of water sample with phenolphthalein indicator using 0. 02 N , NaOH	IS 3025 (Part 22)
50	CHEMICAL- WATER	Construction Water	Organic solids	IS -3025(Part 18) (Gravimetric Method)
51	CHEMICAL- WATER	Construction Water	Sulphate(So3)	IS 3025(Part24)
52	CHEMICAL- WATER	Construction water	Suspended matter	IS 3025(Part17) (Gravimetric Method)
53	CHEMICAL- WATER	Drinking Water	Colour	IS-3025 (P-4)
54	CHEMICAL- WATER	Drinking Water	Odour	IS-3025 (P-5)
55	CHEMICAL- WATER	Drinking Water	Specific Conductivity	IS-3025 (P-14)
56	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	Calcium (Ca)	IS-3025 (P-40)
57	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	Calcium Hardness	IS-3025 (P-40)

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58	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	Chloride (Cl)	IS-3025 (P-32
59	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	Flouride	APHA 23nd Edition
60	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	Iron(Fe)	APHA 23nd Edition (P-3111)
61	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	Magnesium (Mg)	IS-3025 (P-46)
62	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	Magnesium Hardness	IS-3025 (P-46)
63	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	Nitrate (NO3)	IS-3025 (P-34)
64	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	pH	IS-3025(P-11)
65	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	Potassium (K)	IS-3025 (P-45)
66	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	Sodium (Na)	IS-3025(P-45)
67	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	Sulphate (SO4)	IS-3025 (P-24)
68	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	Taste	IS-3025(Part-7)
69	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	TDS (Total Dissolved solids)	IS-3025(P-16)
70	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	Total Alkalinity	IS-3025 (P-23)
71	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	Total Hardness	IS-3025 (Part-21)
72	CHEMICAL- WATER	Drinking Water, Ground Water, Bore-well water	Turbidity	IS-3025 (P-10)
73	CHEMICAL- WATER	Water for construction purpose	Chloride	IS-3025 (Part-32)
74	MECHANICAL- BUILDINGS MATERIALS	Bitumen & Bitumen Products	Flash & Fire point	IS 1209
75	MECHANICAL- BUILDINGS MATERIALS	Bricks	Height (Dimension)	IS 1077
76	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2):
77	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1)
78	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
79	MECHANICAL- BUILDINGS MATERIALS	Bricks	Length (Dimension)	IS 1077
80	MECHANICAL- BUILDINGS MATERIALS	Bricks	Width(Dimension)	IS 1077
81	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (P-6)
82	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (P-11)

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83	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Specific Surface area	IS 4031 (P-2)
84	MECHANICAL- BUILDINGS MATERIALS	Cement	Setting Time Final	IS 4031(P-5)
85	MECHANICAL- BUILDINGS MATERIALS	Cement	Setting Time Initial	IS 4031(P-5)
86	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier Method	IS 4031 (P-3)
87	MECHANICAL- BUILDINGS MATERIALS	Cement	Standard Consistency	IS 4031 (P-4)
88	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS:2386 (Part-4)
89	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS:2386 (Part-4)
90	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angles, Abrasion	IS:2386 (P-4)
91	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS:2386 (P-3)
92	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS:2386 (P-3)
93	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS:2386 (P-3)
94	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation & Flakiness Index	IS:383
95	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis(80,63,40,20,16,12.5, 10.0,4.75,2.36mm)	IS:2386 (P-1
96	MECHANICAL- BUILDINGS MATERIALS	Concrete cubes	Compressive Strength	IS:516
97	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS:2386 (P-3)
98	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS:2386 (P-3)
99	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Organic Impurities	IS:2386 (P-2)
100	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve analysis (10.0,4.75,2.36,1.18.0.600,0.300,0.150,0.075mm)	IS:2386 (P-1)

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101	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS:2386 (P-3)
102	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Pavers	Abrasion value	IS 15658
103	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Pavers	Compressive Strength	IS 15658:
104	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Pavers	Water Absorption	IS 15658
105	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ration (CBR) Soaked	IS 2720 (P-16)
106	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Angle of IF)	IS 2720(Part13)
107	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion)	IS 2720(Part13)
108	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part40):
109	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (2 mm to 75 micron)	IS 2720 (P- 4)
110	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5):
111	MECHANICAL- SOIL AND ROCK	Soil	Maximum dry density Light Compaction	IS 2720 (P- 7):
112	MECHANICAL- SOIL AND ROCK	Soil	Maximum dry density Heavy Compaction	IS 2720(P-8):
113	MECHANICAL- SOIL AND ROCK	Soil	Optimum moisture content	IS 2720 (P-8):
114	MECHANICAL- SOIL AND ROCK	Soil	Optimum moisture content	IS 2720(P- 7):
115	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5):
116	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720(Part3/Sec-1
117	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (P-2)