



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NEW GREEN ENVIRONMENTAL LABS PRIVATE LIMITED, PLOT NO. 576/4502, ANANTA NIWAS, JAGANNATH VIHAR, PS - AIRFIELD, SUNDARPADA, BHUBANESWAR, KHORDHA, ODISHA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-11880 **Page No** 1 of 12

**Validity** 05/07/2023 to 04/07/2025 **Last Amended on** 04/08/2023

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- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia as NH <sub>3</sub>	NGEL/SOP/A/01, Issue No. 01, Issue Date: 04.10.2022
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead as Pb	NGEL/SOP/A/T/01, Issue No. 01, Issue Date: 04.10.2022
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel as Ni	NGEL/SOP/A/01, Issue No. 01, Issue Date: 04.10.2022
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide as NO <sub>x</sub>	IS 5182 (Part 06)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone (Oxidant)	IS 5182 (Part 09)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM <sub>10</sub> (Particulate Matter less than 10µm)	IS 5182 (Part 23)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM <sub>2.5</sub> (Particulate Matter less than 2.5µm)	IS 5182 (Part 24)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Relative Humidity	NGEL/SOP/A/RH/01, Issue No. 01, Issue Date: 04.10.2022
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide as SO <sub>2</sub>	IS 5182 (Part 02)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Temperature	NGEL/SOP/A/T/01, Issue No. 01, Issue Date: 04.10.2022
11	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels	Sound Pressure Level	IS 9989
12	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise Levels	Sound Pressure Level	IS 9989
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Ammonia	IS 11255 (Part 6)
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Dioxide	IS 13270
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Monoxide	IS 13270
16	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxygen	IS 13270
17	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter as PM	IS 11255 (Part 01)
18	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide as SO <sub>2</sub>	IS 11255 (Part 02)



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**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

TC-11880

**Page No**

2 of 12

**Validity**

05/07/2023 to 04/07/2025

**Last Amended on**

04/08/2023

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19	CHEMICAL- ORES & MINERALS	Alumino Silicates	Recovery Test	NGEL/SOP/OM/RV/03, Issue No.1, Issue Date: 04.10.2022
20	CHEMICAL- ORES & MINERALS	Bauxite	Alumina as Al <sub>2</sub> O <sub>3</sub>	IS 2000 (Part 03)
21	CHEMICAL- ORES & MINERALS	Bauxite	Bulk Density	NGEL/SOP/OM/B/03, Issue No. 01, Issue Date: 04.10.2022
22	CHEMICAL- ORES & MINERALS	Bauxite	Calcium Oxide as CaO	Manual of Procedure for Chemical and Instrumental Analysis of Ores, Minerals, Ore Dressing Products and Environmental Samples (by Indian Bureau of Mines, Sl. No. 1.2.1.3, Page 06)
23	CHEMICAL- ORES & MINERALS	Bauxite	Ferric oxide as Fe <sub>2</sub> O <sub>3</sub>	IS 2000 (Part 04)
24	CHEMICAL- ORES & MINERALS	Bauxite	LOI	IS 2000 (Part 01)
25	CHEMICAL- ORES & MINERALS	Bauxite	Magnesium Oxide as MgO	Manual of Procedure for Chemical and Instrumental Analysis of Ores, Minerals, Ore Dressing Products and Environmental Samples (by Indian Bureau of Mines, Sl. No. 1.2.1.3, Page 06)
26	CHEMICAL- ORES & MINERALS	Bauxite	Phosphorous pentoxide as P <sub>2</sub> O <sub>5</sub>	IS 2000 (Part 07)
27	CHEMICAL- ORES & MINERALS	Bauxite	Recovery Test	NGEL/SOP/OM/RV/03, Issue No. 1, Issue Date: 04.10.2022
28	CHEMICAL- ORES & MINERALS	Bauxite	Silica as SiO <sub>2</sub>	IS 2000 (Part 02)
29	CHEMICAL- ORES & MINERALS	Bauxite	Titania as TiO <sub>2</sub>	IS 2000 (Part 05)
30	CHEMICAL- ORES & MINERALS	Chromite	Alumina	IS 4737
31	CHEMICAL- ORES & MINERALS	Chromite	Bulk Density	NGEL/SOP/OM/CR/03, Issue No. 01, Issue Date: 04.10.2022
32	CHEMICAL- ORES & MINERALS	Chromite	Calcium oxide	IS 4737
33	CHEMICAL- ORES & MINERALS	Chromite	Chromium oxide	IS 4737



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**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

TC-11880

**Page No**

3 of 12

**Validity**

05/07/2023 to 04/07/2025

**Last Amended on**

04/08/2023

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34	CHEMICAL- ORES & MINERALS	Chromite	Magnesium oxide	IS 4737
35	CHEMICAL- ORES & MINERALS	Chromite	Recovery Test	NGEL/SOP/OM/RV/03, Issue No. 1, Issue Date: 04.10.2022
36	CHEMICAL- ORES & MINERALS	Chromite	Silica	IS 4737
37	CHEMICAL- ORES & MINERALS	Chromite	Total iron	IS 4737
38	CHEMICAL- ORES & MINERALS	Graphite	Ash	IS 11321
39	CHEMICAL- ORES & MINERALS	Graphite	Bulk Density	NGEL/SOP/OM/GR/03, Issue No. 01, Issue Date: 04.10.2022
40	CHEMICAL- ORES & MINERALS	Graphite	Moisture	IS 11321
41	CHEMICAL- ORES & MINERALS	Graphite	Recovery Test	NGEL/SOP/OM/RV/03, Issue No. 1, Issue Date: 04.10.2022
42	CHEMICAL- ORES & MINERALS	Graphite	Volatile Matter	IS 11321
43	CHEMICAL- ORES & MINERALS	Iron Ore	Alumina as Al <sub>2</sub> O <sub>3</sub>	IS 1493 (Part 01)
44	CHEMICAL- ORES & MINERALS	Iron Ore	Bulk Density	NGEL/SOP/OM/I/03, Issue No. 01, Issue Date: 04.10.2022
45	CHEMICAL- ORES & MINERALS	Iron Ore	Iron as Fe	IS 1493 (Part 01)
46	CHEMICAL- ORES & MINERALS	Iron Ore	Moisture	IS 1493 (Part 01)
47	CHEMICAL- ORES & MINERALS	Iron Ore	Phosphorous as P	IS 1493 (Part 01)
48	CHEMICAL- ORES & MINERALS	Iron Ore	Recovery Test	NGEL/SOP/OM/RV/03, Issue No. 1, Issue Date: 04.10.2022
49	CHEMICAL- ORES & MINERALS	Iron Ore	Silica as SiO <sub>2</sub>	IS 1493 (Part 01)
50	CHEMICAL- ORES & MINERALS	Iron Ore	Sulphur	IS 1493 (Part 01)
51	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Alumina as Al <sub>2</sub> O <sub>3</sub>	IS 1760 (Part 03)
52	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Magnesium Oxide as MgO	IS 1760 (Part 03)



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INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

TC-11880

**Page No**

4 of 12

**Validity**

05/07/2023 to 04/07/2025

**Last Amended on**

04/08/2023

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53	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Silica as SiO <sub>2</sub>	IS 1760 (Part 02)
54	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Bulk Density	NGEL/SOP/OM/LD/03, Issue No. 01, Issue Date: 04.10.2022
55	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Calcium Oxide as CaO	IS 1760 (Part 03)
56	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Chlorides	IS 1760 (Part 05)
57	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Iron Oxide as Fe <sub>2</sub> O <sub>3</sub>	IS 1760 (Part 03)
58	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Loss on Ignition (LOI)	IS 1760 (Part 01)
59	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Recovery Test	NGEL/SOP/OM/RV/03, Issue No.1, Issue Date: 04.10.2022
60	CHEMICAL- ORES & MINERALS	Manganese ore	Alumina	IS 1473
61	CHEMICAL- ORES & MINERALS	Manganese ore	Bulk Density	NGEL/SOP/OM/I/03, Issue No. 01, Issue Date: 04.10.2022
62	CHEMICAL- ORES & MINERALS	Manganese ore	Calcium Oxide as CaO	Manual of Procedure for Chemical and Instrumental Analysis of Ores, Minerals, Ore Dressing Products and Environmental Samples (by Indian Bureau of Mines, SI. No. 1.2.1.3, Page 06)
63	CHEMICAL- ORES & MINERALS	Manganese ore	Iron	IS 1473
64	CHEMICAL- ORES & MINERALS	Manganese ore	Magnesium Oxide as MgO	Manual of Procedure for Chemical and Instrumental Analysis of Ores, Minerals, Ore Dressing Products and Environmental Samples (by Indian Bureau of Mines, SI. No. 1.2.1.3, Page 06)
65	CHEMICAL- ORES & MINERALS	Manganese ore	Manganese	IS 1473
66	CHEMICAL- ORES & MINERALS	Manganese ore	Phosphorous	IS 1473
67	CHEMICAL- ORES & MINERALS	Manganese ore	Potassium	IS 9497



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INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

TC-11880

**Page No**

5 of 12

**Validity**

05/07/2023 to 04/07/2025

**Last Amended on**

04/08/2023

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68	CHEMICAL- ORES & MINERALS	Manganese Ore	Recovery Test	NGEL/SOP/OM/RV/03, Issue No. 1, Issue Date: 04.10.2022
69	CHEMICAL- ORES & MINERALS	Manganese ore	Silica	IS 1473
70	CHEMICAL- ORES & MINERALS	Manganese ore	Sodium	IS 9497
71	CHEMICAL- ORES & MINERALS	Manganese ore	Sulphur	IS 1473
72	CHEMICAL- ORES & MINERALS	Quartz	Bulk Density	NGEL/SOP/OM/QZ/03, Issue No. 01, Issue Date: 04.10.2022
73	CHEMICAL- ORES & MINERALS	Quartz	Loss on Ignition (LOI)	IS 1917 (Part 01)
74	CHEMICAL- ORES & MINERALS	Quartz	Potassium as K <sub>2</sub> O	IS 1917 (Part 02)
75	CHEMICAL- ORES & MINERALS	Quartz	Recovery Test	NGEL/SOP/OM/RV/03, Issue No. 1, Issue Date: 04.10.2022
76	CHEMICAL- ORES & MINERALS	Quartz	Silica	IS 1917 (Part 03)
77	CHEMICAL- ORES & MINERALS	Quartz	Sodium as Na <sub>2</sub> O	IS 1917 (Part 02)
78	CHEMICAL- ORES & MINERALS	Quartz	Titania	IS 1917 (Part 07)
79	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Aluminum as Al	APHA 23rd Edition 3120 B
80	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammonical Nitrogen as NH <sub>3</sub> -N	IS 3025 (Part 34)
81	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Cadmium as Cd	APHA 23rd Edition 3120 B
82	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium as Ca	APHA 23rd Edition 3500-Ca B
83	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium Hardness as CaCO <sub>3</sub>	APHA 23rd Edition 3500-Ca B
84	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	APHA 23rd Edition 5220 B
85	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride as Cl	IS 3025 (Part 32)
86	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Copper as Cu	APHA 23rd Edition 3120 B



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<b>Accreditation Standard</b>	ISO/IEC 17025:2017	<b>Page No</b>	6 of 12
<b>Certificate Number</b>	TC-11880	<b>Last Amended on</b>	04/08/2023
<b>Validity</b>	05/07/2023 to 04/07/2025		

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87	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen	APHA 23rd Edition 4500-O B & C
88	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Electrical Conductivity at 25 °C	APHA 23rd Edition 2510 B
89	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluoride as F	APHA 23rd Edition 4500-F D
90	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Hexavalent Chromium as Cr+6	APHA 23rd Edition 3500-Cr B
91	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron as Fe	APHA 23rd Edition 3120 B
92	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Lead as Pb	APHA 23rd Edition 3120 B
93	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium as Mg	APHA 23rd Edition 3500-Mg B
94	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Manganese as Mn	APHA 23rd Edition 3120 B
95	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nickel as Ni	APHA 23rd Edition 3120 B
96	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrate as NO <sub>2</sub>	APHA 23rd Edition 4500-NO <sub>3</sub> B
97	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	APHA 23rd Edition 5520 B
98	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	IS 3025 (Part 11)
99	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phenolic Compound as C <sub>6</sub> H <sub>5</sub> OH	APHA 23rd Edition 5530 D
100	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphate as PO <sub>4</sub>	APHA 23rd Edition 4500-P C
101	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate as SO <sub>4</sub>	IS 3025 (Part 24)
102	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphide as S	IS 3025 (Part 29)
103	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Temperature	APHA 23rd Edition 2550
104	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23)
105	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Chromium as Cr	APHA 23rd Edition 3120 B



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<b>Accreditation Standard</b>	ISO/IEC 17025:2017		
<b>Certificate Number</b>	TC-11880	<b>Page No</b>	7 of 12
<b>Validity</b>	05/07/2023 to 04/07/2025	<b>Last Amended on</b>	04/08/2023

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106	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solids	IS 3025 (Part 16)
107	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21)
108	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Kjeldahl Nitrogen as N	APHA 23rd Edition 4500-N B
109	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solid	APHA 23rd Edition 2540 D
110	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Volatile Solids	IS 3025 (Part 18)
111	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Zinc as Zn	APHA 23rd Edition 3120 B
112	CHEMICAL- RESIDUES IN WATER	Drinking Water	Cadmium as Cd	APHA 23rd Edition 3120 B
113	CHEMICAL- RESIDUES IN WATER	Drinking Water	Lead as Pb	APHA 23rd Edition 3120 B
114	CHEMICAL- RESIDUES IN WATER	Drinking Water	Nickel as Ni	APHA 23rd Edition 3120 B
115	CHEMICAL- RESIDUES IN WATER	Ground Water	Cadmium as Cd	APHA 23rd Edition 3120 B
116	CHEMICAL- RESIDUES IN WATER	Ground Water	Lead as Pb	APHA 23rd Edition 3120 B
117	CHEMICAL- RESIDUES IN WATER	Ground Water	Total Chromium as Cr	APHA 23rd Edition 3120 B
118	CHEMICAL- RESIDUES IN WATER	Surface Water	Cadmium as Cd	APHA 23rd Edition 3120 B
119	CHEMICAL- RESIDUES IN WATER	Surface Water	Lead as Pb	APHA 23rd Edition 3120 B
120	CHEMICAL- SOIL AND ROCK	Soil	pH	IS 2720 (Part 26)
121	CHEMICAL- SOIL AND ROCK	Soil	Aluminium	USEPA 3050 B
122	CHEMICAL- SOIL AND ROCK	Soil	Available Calcium	NGEL/SOP/S/04, Issue No. 01, Issue Date: 04.10.2022
123	CHEMICAL- SOIL AND ROCK	Soil	Available Potassium	NGEL/SOP/S/04, Issue No. 01, Issue Date: 04.10.2022
124	CHEMICAL- SOIL AND ROCK	Soil	Available Sodium	NGEL/SOP/S/04, Issue No. 01, Issue Date: 04.10.2022



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**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

TC-11880

**Page No**

8 of 12

**Validity**

05/07/2023 to 04/07/2025

**Last Amended on**

04/08/2023

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125	CHEMICAL- SOIL AND ROCK	Soil	Bulk Density	IS 14767
126	CHEMICAL- SOIL AND ROCK	Soil	Cadmium	USEPA 3050 B
127	CHEMICAL- SOIL AND ROCK	Soil	Chloride	ASTM D1411
128	CHEMICAL- SOIL AND ROCK	Soil	Copper	USEPA 3050 B
129	CHEMICAL- SOIL AND ROCK	Soil	Electrical Conductivity at 25 °C	IS 14767
130	CHEMICAL- SOIL AND ROCK	Soil	Iron	USEPA 3050 B
131	CHEMICAL- SOIL AND ROCK	Soil	Lead	USEPA 3050 B
132	CHEMICAL- SOIL AND ROCK	Soil	Manganese	USEPA 3050 B
133	CHEMICAL- SOIL AND ROCK	Soil	Moisture	IS 2720 (Part 18)
134	CHEMICAL- SOIL AND ROCK	Soil	Nickel	USEPA 3050 B
135	CHEMICAL- SOIL AND ROCK	Soil	Organic Carbon	IS 2720 (Part 22)
136	CHEMICAL- SOIL AND ROCK	Soil	Phosphorous	NGEL/SOP/S/04, Issue No. 01, Issue Date: 04.10.2022
137	CHEMICAL- SOIL AND ROCK	Soil	Soluble Sulphates	IS 2720 (Part 27)
138	CHEMICAL- SOIL AND ROCK	Soil	Total Chromium	USEPA 3050 B
139	CHEMICAL- SOIL AND ROCK	Soil	Total Kjeldahl Nitrogen	NGEL/SOP/S/04, Issue No. 01, Issue Date: 04.10.2022
140	CHEMICAL- SOIL AND ROCK	Soil	Water Holding Capacity	NGEL/SOP/S/04, Issue No. 01, Issue Date: 04.10.2022
141	CHEMICAL- SOIL AND ROCK	Soil	Zinc	USEPA 3050 B
142	CHEMICAL- WATER	Drinking Water	Aluminum as Al	APHA 23rd Edition 3120 B
143	CHEMICAL- WATER	Drinking Water	Calcium as Ca	APHA 23rd Edition 3500-Ca B
144	CHEMICAL- WATER	Drinking Water	Calcium Hardness as CaCO <sub>3</sub>	APHA 23rd Edition 3500-Ca B





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**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-11880 **Page No** 9 of 12

**Validity** 05/07/2023 to 04/07/2025 **Last Amended on** 04/08/2023

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145	CHEMICAL- WATER	Drinking Water	Chloride as Cl	IS 3025 (Part 32)
146	CHEMICAL- WATER	Drinking Water	Color	APHA 23rd Edition 2120 B
147	CHEMICAL- WATER	Drinking Water	Copper as Cu	APHA 23rd Edition 3120 B
148	CHEMICAL- WATER	Drinking Water	Electrical Conductivity at 25 °C	APHA 23rd Edition 2510 B
149	CHEMICAL- WATER	Drinking Water	Fluoride as F	APHA 23rd Edition 4500-F D
150	CHEMICAL- WATER	Drinking Water	Hexavalent Chromium as Cr+6	APHA 23rd Edition 3500-Cr B
151	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	APHA 23rd Edition 3500-Mg B
152	CHEMICAL- WATER	Drinking Water	Manganese as Mn	APHA 23rd Edition 3120 B
153	CHEMICAL- WATER	Drinking Water	Nitrate as NO <sub>3</sub>	APHA 23rd Edition 4500-NO <sub>3</sub> B
154	CHEMICAL- WATER	Drinking Water	Nitrite as NO <sub>2</sub>	APHA 23rd Edition 4500-NO <sub>2</sub> B
155	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
156	CHEMICAL- WATER	Drinking Water	Phenolic Compound as C <sub>6</sub> H <sub>5</sub> OH	IS 3025 (Part 43)
157	CHEMICAL- WATER	Drinking Water	Phosphate as PO <sub>4</sub>	APHA 23rd Edition 4500-P C
158	CHEMICAL- WATER	Drinking Water	Potassium as K	APHA 23rd Edition 3500-K B
159	CHEMICAL- WATER	Drinking Water	Salinity	APHA 23rd Edition 2520
160	CHEMICAL- WATER	Drinking Water	Sodium as Na	APHA 23rd Edition 3500-Na B
161	CHEMICAL- WATER	Drinking Water	Sulphate as SO <sub>4</sub>	IS 3025 (Part 24)
162	CHEMICAL- WATER	Drinking Water	Sulphide as S	IS 3025 (Part 29)
163	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23)
164	CHEMICAL- WATER	Drinking Water	Total Chromium as Cr	APHA 23rd Edition 3500-Cr B
165	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)
166	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21)
167	CHEMICAL- WATER	Drinking Water	Total Residual Chlorine	APHA 23rd Edition 4500-Cl B
168	CHEMICAL- WATER	Drinking Water	Total Suspended Solid	APHA 23rd Edition 2540 D
169	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
170	CHEMICAL- WATER	Drinking Water	Zinc as Zn	APHA 23rd Edition 3120 B
171	CHEMICAL- WATER	Ground Water	Aluminum as Al	APHA 23rd Edition 3120 B
172	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen as NH <sub>3</sub> -N	IS 3025 (Part 34)
173	CHEMICAL- WATER	Ground Water	Biological Oxygen Demand (for 3 days at 27 degree C)	IS 3025 (Part 44)



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NEW GREEN ENVIRONMENTAL LABS PRIVATE LIMITED, PLOT NO. 576/4502, ANANTA NIWAS, JAGANNATH VIHAR, PS - AIRFIELD, SUNDARPADA, BHUBANESWAR, KHORDHA, ODISHA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-11880 **Page No** 10 of 12

**Validity** 05/07/2023 to 04/07/2025 **Last Amended on** 04/08/2023

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
174	CHEMICAL- WATER	Ground Water	Calcium as Ca	APHA 23rd Edition 3500-Ca B
175	CHEMICAL- WATER	Ground Water	Calcium Hardness as CaCO <sub>3</sub>	APHA 23rd Edition 3500-Ca B
176	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	APHA 23rd Edition 5220 B
177	CHEMICAL- WATER	Ground Water	Chloride as Cl	IS 3025 (Part 32)
178	CHEMICAL- WATER	Ground Water	Copper as Cu	APHA 23rd Edition 3120 B
179	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	IS 3025 (Part 38)
180	CHEMICAL- WATER	Ground Water	Electrical Conductivity at 25 °C	APHA 23rd Edition 2510 B
181	CHEMICAL- WATER	Ground Water	Fluoride as F	APHA 23rd Edition 4500-F D
182	CHEMICAL- WATER	Ground Water	Hexavalent Chromium as Cr+6	APHA 23rd Edition 3500-Cr B
183	CHEMICAL- WATER	Ground Water	Magnesium as Mg	APHA 23rd Edition 3500-Mg B
184	CHEMICAL- WATER	Ground Water	Manganese as Mn	APHA 23rd Edition 3120 B
185	CHEMICAL- WATER	Ground Water	Nitrate as NO <sub>3</sub>	APHA 23rd Edition 4500-NO <sub>3</sub> B
186	CHEMICAL- WATER	Ground Water	Oil & Grease	IS 3025 (Part 39)
187	CHEMICAL- WATER	Ground Water	pH	IS 3025 (Part 11)
188	CHEMICAL- WATER	Ground Water	Phenolic compound as C <sub>6</sub> H <sub>5</sub> OH	APHA 23rd Edition 5530 D
189	CHEMICAL- WATER	Ground Water	Phosphate as PO <sub>4</sub>	APHA 23rd Edition 4500-P C
190	CHEMICAL- WATER	Ground Water	Potassium as K	APHA 23rd Edition 3500-K B
191	CHEMICAL- WATER	Ground Water	Salinity	APHA 23rd Edition 2520
192	CHEMICAL- WATER	Ground Water	Sodium as Na	APHA 23rd Edition 3500-Na B
193	CHEMICAL- WATER	Ground Water	Sulphate as SO <sub>4</sub>	IS 3025 (Part 24)
194	CHEMICAL- WATER	Ground Water	Sulphide as S	IS 3025 (Part 29)
195	CHEMICAL- WATER	Ground Water	Temperature	APHA 23rd Edition 2550
196	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23)
197	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025 (Part 16)
198	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21)
199	CHEMICAL- WATER	Ground Water	Total Kjeldahl Nitrogen as N	APHA 23rd Edition 4500-N B
200	CHEMICAL- WATER	Ground Water	Total solid	IS 3025 (Part 15)
201	CHEMICAL- WATER	Ground Water	Total Suspended Solid	APHA 23rd Edition 2540 D
202	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part 10)
203	CHEMICAL- WATER	Ground Water	Zinc as Zn	APHA 23rd Edition 3120 B



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<b>Accreditation Standard</b>	ISO/IEC 17025:2017		
<b>Certificate Number</b>	TC-11880	<b>Page No</b>	11 of 12
<b>Validity</b>	05/07/2023 to 04/07/2025	<b>Last Amended on</b>	04/08/2023

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
204	CHEMICAL- WATER	Irrigation Water	Electrical Conductivity at 25 °C	APHA 23rd Edition 2510 B
205	CHEMICAL- WATER	Surface Waste	Phenolic Compound as C6H5OH	APHA 23rd Edition 5530 D
206	CHEMICAL- WATER	Surface Water	Calcium as Ca	APHA 23rd Edition 3500-Ca B
207	CHEMICAL- WATER	Surface Water	Chloride as Cl	APHA 23rd Edition 4500-Cl B
208	CHEMICAL- WATER	Surface Water	Colour	IS 3025 (Part 04)
209	CHEMICAL- WATER	Surface Water	Copper as Cu	APHA 23rd Edition 3120 B
210	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	APHA 23rd Edition 4500-O C
211	CHEMICAL- WATER	Surface Water	Fluoride as F	APHA 23rd Edition 4500-F D
212	CHEMICAL- WATER	Surface Water	Hexavalent Chromium as Cr+6	APHA 23rd Edition 3500-Cr B
213	CHEMICAL- WATER	Surface Water	Magnesium as Mg	APHA 23rd Ed 3500-Mg B
214	CHEMICAL- WATER	Surface Water	Nitrate as NO3	APHA 23rd Ed 4500-NO3 B
215	CHEMICAL- WATER	Surface Water	Oil and Grease	APHA 23rd Ed 5520 B
216	CHEMICAL- WATER	Surface Water	pH	APHA 23rd Edition 4500-H+ B
217	CHEMICAL- WATER	Surface Water	Sulphate as SO4	APHA 23rd Edition 4500-SO4 E
218	CHEMICAL- WATER	Surface Water	Total Dissolved Solid	APHA 23rd Edition 2540 C
219	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	APHA 23rd Edition 2340 C
220	CHEMICAL- WATER	Water for construction purpose	Chloride as Cl	APHA 23rd Edition 4500-Cl B
221	CHEMICAL- WATER	Water for construction purpose	Fixed Solid	APHA 23rd Edition 2540 G
222	CHEMICAL- WATER	Water for construction purpose	Sulphate as SO4	APHA 23rd Edition 4500-SO4
223	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solid	APHA 23rd Edition 2540 D
224	CHEMICAL- WATER	Water for construction purpose	Total Volatile Solids	IS 3025 (Part 18)



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<b>Certificate Number</b>	TC-11880	<b>Page No</b>	12 of 12
<b>Validity</b>	05/07/2023 to 04/07/2025	<b>Last Amended on</b>	04/08/2023

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	CHEMICAL- ORES & MINERALS	Alumino Silicates	Recovery Test	NGEL/SOP/OM/Ry/03, Issue No.1, Issue Date: 04.10.2022
2	CHEMICAL- ORES & MINERALS	Bauxite	Recovery Test	NGEL/SOP/OM/Ry/03, Issue No. 1, Issue Date: 04.10.2022
3	CHEMICAL- ORES & MINERALS	Chromite	Recovery Test	NGEL/SOP/OM/Ry/03, Issue No. 1, Issue Date: 04.10.2022
4	CHEMICAL- ORES & MINERALS	Graphite	Recovery Test	NGEL/SOP/OM/Ry/03, Issue No. 1, Issue Date: 04.10.2022
5	CHEMICAL- ORES & MINERALS	Iron Ore	Recovery Test	NGEL/SOP/OM/Ry/03, Issue No. 1, Issue Date: 04.10.2022
6	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Recovery Test	NGEL/SOP/OM/Ry/03, Issue No.1, Issue Date: 04.10.2022
7	CHEMICAL- ORES & MINERALS	Manganese Ore	Recovery Test	NGEL/SOP/OM/Ry/03, Issue No. 1, Issue Date: 04.10.2022
8	CHEMICAL- ORES & MINERALS	Quartz	Recovery Test	NGEL/SOP/OM/Ry/03, Issue No. 1, Issue Date: 04.10.2022