



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

GOOD EARTH ENVIRO CARE LLP, 306, S. D. PARK, KOLKATA, 24 PARAGANAS SOUTH, WEST
BENGAL, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-8080

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Testing				
1	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	GEEC/SOP/03 (Issue No:04)
2	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Arsenic	GEEC/SOP/03 (Issue No:04)
3	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Benzene	GEEC/SOP/03 (Issue No: 04)
4	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Benzo(a)pyrene	GEEC/SOP/03 (Issue No.: 04)
5	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Lead	GEEC/SOP/03 (Issue No.: 04)
6	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Nickel	GEEC/SOP/03 (Issue No : 04)
7	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen dioxide (NO ₂)	IS 5182 (Part-6)
8	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Ozone	IS 5182 (Part-9)
9	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	PM 2.5	GEEC/SOP/03 (Issue No.:04)
10	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	PM-10	IS 5182 (Part -23)
11	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Sulphur dioxide (SO ₂)	IS 5182 (Part-2)



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12	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Particulate Matter	IS 11255 (Part-1)
13	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Sulphur dioxide	IS 11255 (Part -2)
14	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Acidity as CaCO ₃	APHA (24th Edition) (2310 B)
15	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Ammonical Nitrogen	APHA (24th Edition)(4500 NH ₃ -C)
16	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Arsenic (As)	APHA (24th Edition)(3030 E & 3114)
17	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Biochemical Oxygen Demand (BOD)	IS 3025 (Part -44)
18	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Boron (B)	APHA (24th Edition) (3030E&4500B.C)
19	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Cadmium (Cd)	APHA (24th Edition) (3030E&3111B)
20	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Calcium (Ca)	APHA (24th Edition) (3500 Ca -B)
21	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Chemical Oxygen Demand (COD)	IS 3025 (Part -58)
22	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Chloride	APHA (24th Edition) (4500 Cl- B)
23	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Chromium (Cr +6)	APHA (24th Edition)(3500 Cr,B)



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24	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Chromium (Cr) Total	APHA (24th Edition) (3111B)
25	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Conductivity	APHA (24th Edition)(2510 B)
26	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Copper (Cu)	APHA (24th Edition)(3111 B)
27	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Cyanide	APHA (24th Edition) (4500 CN- E)
28	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Dissolved Oxygen	APHA (24th Edition) (4500-O-C)
29	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Fixed Solids	APHA (24th Edition) (2540 E)
30	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Flouride	APHA (24th Edition)(4500F-D)
31	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Iron (Fe)	APHA (24th Edition) (3500 Fe,B)
32	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Lead (Pb)	APHA (24th Edition) (3111 B)
33	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Magnesium (Mg)	APHA (24th Edition) (3500- Mg, B)
34	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Mercury (Hg)	APHA (24th Edition) (3030E ,3112 B)
35	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Nickle (Ni)	APHA (24TH Edition) (3030E,3111 B)



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36	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Nitrate - Nitrogen	APHA (24th Edition) (4500 NO3 - E)
37	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Nitrite -Nitrogen	APHA (24th Edition) (4500 NO2 -B)
38	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Oil and Grease	APHA (24th Edition) (5520 B)
39	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	pH	APHA (24th Edition) (4500H+B)
40	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Phenol	APHA (24th Edition) (5530 D)
41	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Phosphorus	APHA (24th Edition) (4500 P,D)
42	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Potassium (K)	APHA (24th Edition)(3500 K,B)
43	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Silica	APHA (24th Edition)(4500 SiO2 -C)
44	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Sodium (Na)	APHA (24th Edition) (3500 Na -B)
45	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Sulphate	APHA (24th Edition) (4500 SO4- E)
46	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Sulphide	APHA (24th Edition) (4500 S -F)
47	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Temperature	APHA (24th Edition) (2550 B)



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48	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Total Alkalinity	APHA (24th Edition) (2320 B)
49	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Total Dissolved Solids	APHA (24th Edition) (2540 C)
50	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Total Hardness	APHA (24th Edition) (2340 C)
51	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Total Kjeldhal Nitrogen (TKN)	APHA (24th Edition) (4500 N org -B)
52	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Total Suspended Solids	APHA (24th Edition) (2540 D)
53	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Turbidity	APHA (24th Edition) (2130 B)
54	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Volatile Solids	APHA (24th Edition) (2540E)
55	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Zinc (Zn)	APHA (24th Edition) (3030E, 3111 B)
56	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Arsenic	USEPA 3050B
57	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Boron (B)	USEPA 3050B
58	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Cadmium	USEPA 3050B
59	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Chromium (Total)	USEPA 3050B



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60	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Copper	USEPA 3050B
61	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Lead	USEPA 3050B
62	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Mercury (Hg)	USEPA 3050B
63	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Nickle	USEPA 3050B
64	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Organic Carbon / Matter	IS 2720 (Part -22)
65	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	pH	IS 2720 (Part -26)
66	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Phosphorus	GEEC/SOP/01,Issue No : 03
67	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Potassium	USEPA 3050B
68	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Sodium	USEPA 3050B
69	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Specific Electrical Conductivity	IS 14767
70	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Total Kheldhal Nitrogen (TKN)	IS 14684
71	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Water Content	IS 2720 (Part -2)



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72	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Zinc	USEPA 3050B
73	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	APHA 24 the Edition (5220C)
74	CHEMICAL- RESIDUES IN WATER	Potable ,Domestic, Bore Well ,Drinking Water and Irrigation Water.	Aldrin	APHA, (24th Edition), 6630B C
75	CHEMICAL- RESIDUES IN WATER	Potable, Domestic and Bore Well Water	Boron (B)	APHA, (24th Edition), 4500-B,C
76	CHEMICAL- RESIDUES IN WATER	Potable, Domestic and Bore Well Water	Cadmium (Cd)	APHA, (24th Edition), 3030E, 3111B.
77	CHEMICAL- RESIDUES IN WATER	Potable, Domestic and Bore Well Water	Chromium (Cr+6)	APHA (24th Edition),3500-Cr-B.
78	CHEMICAL- RESIDUES IN WATER	Potable, Domestic and Bore Well Water	Lead (Pb)	APHA (24th Edition),3030E,3111B.
79	CHEMICAL- RESIDUES IN WATER	Potable, Domestic and Bore Well Water	Nickle (Ni)	APHA (24th Edition),3111B
80	CHEMICAL- RESIDUES IN WATER	Potable, Domestic and Bore Well Water	Zinc (Zn)	APHA (24th Edition),3030E,3111B
81	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, and Bore Well Water	Copper (Cu)	APHA (24th Edition),3030E,3111-B
82	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, and Bore Well Water	Arsenic (As)	APHA (24th Edition),3114
83	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, Bore Well ,Drinking Water and Irrigation Water.	Butachlor	APHA (24th Edition),6630B,C
84	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, Bore Well ,Drinking Water and Irrigation Water.	Parathion Methyl	APHA (24th Edition),6630B,C
85	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, Bore Well, Drinking Water and Irrigation Water.	4,4,DDT	APHA (24th Edition),6630B,C
86	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, Bore Well, Drinking Water and Irrigation Water.	Alachlor	APHA (24th Edition),6630B,C
87	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, Bore Well, Drinking Water and Irrigation Water.	Alpha Endosulphan.	APHA (24th Edition), 6630B,C



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88	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, Bore Well, Drinking Water and Irrigation Water.	Dieldrin	APHA (24th Edition), 6630B,C
89	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, Bore Well, Drinking Water and Irrigation Water.	Malathion	APHA (24th Edition), 6630B,C
90	CHEMICAL- WATER	Surface Water	Cyanide	APHA, (24th Edition), 4500-CN-D
91	CHEMICAL- WATER	Surface Water	Oil and Grease	APHA, (24th Edition), 5520 , B
92	CHEMICAL- WATER	Surface Water	Temperature	APHA, (24th Edition), 2550 B
93	CHEMICAL- WATER	Surface Water	Total Kjeldahl Nitrogen (TKN)	APHA, (24th Edition), 4500- N org-B
94	CHEMICAL- WATER	Surface Water	Total Suspended Solids	APHA, (24th Edition), 2540 D
95	CHEMICAL- WATER	Potable Water	Acidity as CaCO ₃	APHA, (24th Edition), 2310B
96	CHEMICAL- WATER	Potable Water	Ammonical Nitrogen	APHA, (24th Edition), 4500 NH ₃ - F
97	CHEMICAL- WATER	Potable Water	Biochemical Oxygen Demand (BOD)	IS 3025 (Part -44)
98	CHEMICAL- WATER	Potable Water	Calcium (Ca)	APHA, (24th Edition), 3500 Ca, B
99	CHEMICAL- WATER	Potable Water	Chemical Oxygen Demand	IS 3025 (Part -58)
100	CHEMICAL- WATER	Potable Water	Chloride	APHA, (24th Edition), 4500 Cl-B
101	CHEMICAL- WATER	Potable Water	Conductivity	APHA, (24th Edition), 2510 B
102	CHEMICAL- WATER	Potable Water	Cyanide	APHA, (24th Edition), 4500 CN-E
103	CHEMICAL- WATER	Potable Water	Dissolved Oxygen	APHA, (24th Edition), 4500-O-C



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104	CHEMICAL- WATER	Potable Water	Fixed Solids	APHA, (24th Edition), 2540E
105	CHEMICAL- WATER	Potable Water	Flouride	APHA, (24th Edition), 4500-F-D
106	CHEMICAL- WATER	Potable Water	Iron (Fe)	APHA (24th Edition) (3500 Fe,B)
107	CHEMICAL- WATER	Potable Water	Magnesium (Mg)	APHA, (24th Edition), 3500-Mg ,B
108	CHEMICAL- WATER	Potable Water	Mercury (Hg)	APHA (24th Edition) (3112 B)
109	CHEMICAL- WATER	Potable Water	Nitrate-Nitrogen	APHA, (24th Edition), 4500 NO3-E
110	CHEMICAL- WATER	Potable Water	Nitrite - Nitrogen	APHA, (24th Edition), 4500 -NO2-B
111	CHEMICAL- WATER	Potable Water	pH	APHA, (24th Edition), 4500-H+B
112	CHEMICAL- WATER	Potable Water	Phenol	APHA, (24th Edition), 5530 D
113	CHEMICAL- WATER	Potable Water	Phosphorus	APHA, (24th Edition), 4500 P-D
114	CHEMICAL- WATER	Potable Water	Potassium (K)	APHA (24th Edition)(3500 K, B)
115	CHEMICAL- WATER	Potable Water	Silica	APHA, (24th Edition), 4500 SiO2-C
116	CHEMICAL- WATER	Potable Water	Sodium (Na)	APHA (24th Edition)(3500 Na, B)
117	CHEMICAL- WATER	Potable Water	Sulphate	APHA, (24th Edition), 4500-SO4- E
118	CHEMICAL- WATER	Potable Water	Sulphide	APHA, (24th Edition), 4500 S-F
119	CHEMICAL- WATER	Potable Water	Total Alkalinity	APHA, (24th Edition), 2320 B



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120	CHEMICAL- WATER	Potable Water	Total Chromium (Cr)	APHA (24th Edition) (3111 B)
121	CHEMICAL- WATER	Potable Water	Total Dissolved Solids	APHA, (24th Edition), 2540 C
122	CHEMICAL- WATER	Potable Water	Total Hardness	APHA, (24th Edition), 2340 C
123	CHEMICAL- WATER	Potable Water	Turbidity	APHA, (24th Edition), 2130 B
124	CHEMICAL- WATER	Potable Water	Volatile Solids	APHA, (24th Edition), 2540E
125	CHEMICAL- WATER	Surface Water	Acidity as CaCO ₃	APHA (24th Edition) (2310 B)
126	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen	APHA (24th Edition) (4500 NH ₃ - F)
127	CHEMICAL- WATER	Surface Water	Biochemical Oxygen Demand (BOD)	IS 3025, Part - 44
128	CHEMICAL- WATER	Surface Water	Calcium	APHA (24th Edition) (3500 Ca, B)
129	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	IS 3025 ,Part-58
130	CHEMICAL- WATER	Surface Water	Chloride	APHA (24th Edition) (4500-Cl , B)
131	CHEMICAL- WATER	Surface Water	Conductivity	APHA (24th Edition) (2510 B)
132	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	APHA (24th Edition) (4500-O-C)
133	CHEMICAL- WATER	Surface Water	Fixed Solids	APHA (24th Edition) 2540 E
134	CHEMICAL- WATER	Surface Water	Fluoride	APHA (24th Edition) (4500 F- B)
135	CHEMICAL- WATER	Surface Water	Iron (Fe)	APHA (24th Edition) (3500 Fe, B)



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136	CHEMICAL- WATER	Surface Water	Magnesium (Mg)	APHA (24th Edition) (3500 Mg, B)
137	CHEMICAL- WATER	Surface Water	Mercury (Hg)	APHA (24th Edition) (3112 B)
138	CHEMICAL- WATER	Surface Water	Nitrate- Nitrogen	APHA (24th Edition) (4500 NO3- E)
139	CHEMICAL- WATER	Surface Water	Nitrite - Nitrogen	APHA (24th Edition) (4500 NO2 - B)
140	CHEMICAL- WATER	Surface Water	pH	APHA (24th Edition) (4500 H+ , B)
141	CHEMICAL- WATER	Surface Water	Phenol	APHA (24th Edition) (5530 D)
142	CHEMICAL- WATER	Surface Water	Phosphorus	APHA (24th Edition) (4500 P- D)
143	CHEMICAL- WATER	Surface Water	Potassium (K)	APHA (24th Edition) (3500 K ,B)
144	CHEMICAL- WATER	Surface Water	Silica	APHA (24th Edition) (4500 SiO2-C)
145	CHEMICAL- WATER	Surface Water	Sodium (Na)	APHA (24th Edition) (3500 Na, B)
146	CHEMICAL- WATER	Surface Water	Sulphide	APHA (24th Edition) (4500 S- F)
147	CHEMICAL- WATER	Surface Water	Total Alkalinity	APHA (24th Edition) (2320 B)
148	CHEMICAL- WATER	Surface Water	Total Chromium (Cr)	APHA (24th Edition) (3111 B)
149	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	APHA (24th Edition) (2540 C)
150	CHEMICAL- WATER	Surface Water	Total Hardness	APHA (24th Edition) (2340C)
151	CHEMICAL- WATER	Surface Water	Turbidity	APHA (24th Edition) (2130 B)



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152	CHEMICAL- WATER	Surface Water	Volatile Solids	APHA (24th Edition) (2540E)



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Site Testing				
1	CHEMICAL-ATMOSPHERIC POLLUTION	Noise Measurement	Ambient Noise Level	IS 9989
2	CHEMICAL-ATMOSPHERIC POLLUTION	Noise Level	Noise Emitted by Machines	IS 4758
3	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Carbon di Oxide	USEPA -Method 3A
4	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Carbon Monoxide	EPA Method -10
5	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen	EPA Method 7E
6	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Oxygen	EPA Method -3A
7	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Sulphur di Oxide	EPA Method -6 C
8	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Carbon dioxide	IS 13270
9	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Carbon monoxide	IS 13270
10	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Oxides of Nitrogen	IS 11255-7
11	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Oxygen	IS 13270