



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** GOOD EARTH ENVIRO CARE, 306,S.D.PARK, KOLKATA, 24 PARAGANAS SOUTH, WEST BENGAL, INDIA

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

**Certificate Number** TC-8080

**Validity** 27/10/2023 to 26/10/2025

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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 Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	Ammonia	GEEC/SOP/03 ( Issue No.: 04 ) ( Issue Month : 06 ) ( Issue Date : 14 )
2	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	Arsenic	GEEC/SOP/03 ( Issue No : 04 ) (Issue Month : 06) (Issue Date : 14 )
3	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	Benzene	GEEC/SOP/03 ( Issue No.: 04 ) ( Issue Month : 06) (Issue date : 14 )
4	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	Benzo(a)pyrene	GEEC/SOP/03 ( Issue No.: 04 ) (Issue Month:06) (Issue Date : 14)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	Lead	GEEC/SOP/03 ( Issue No.: 04 ) (Issue Month : 06 ) (Issue Date : 14 )
6	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	Nickel	GEEC/SOP/03 (Issue No : 04 ) (Issue Month : 06) (Issue Date : 14 )
7	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	Nitrogen dioxide (NO2)	IS 5182 (Part-6)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	Ozone	IS 5182 (Part-9)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	PM 2.5	GEEC/SOP/03 (Issue No.:04) (issue month :06) (Date : 14 )
10	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	PM-10	IS 5182 ( Part -23 )
11	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	Sulphur dioxide ( SO2)	IS 5182 ( Part-2)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Noise Monitoring	Noise Emitted by Machines	IS 4758
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Carbon dioxide	IS 13270
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Carbon monoxide	IS 13270
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Oxides of Nitrogen	IS 11255-7
16	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Oxygen	IS 13270



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17	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Particulate Matter	IS 11255 (Part-1)
18	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Sulphur dioxide	IS 11255 (Part -2)
19	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Acidity as CaCO <sub>3</sub>	APHA (24th Edition) ( 2310 B )
20	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Ammonical Nitrogen	APHA (24th Edition) ( 4500 NH <sub>3</sub> - C )
21	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Arsenic ( As )	APHA (24th Edition) ( 3030 E & 3114 )
22	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Biochemical Oxygen Demand (BOD )	IS 3025 ( Part -44 )
23	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Boron ( B )	APHA (24th Edition) ( 3030E&4500B.C )
24	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Cadmium ( Cd )	APHA ( 24th Edition) ( 3030E&3111B )
25	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Calcium ( Ca )	APHA (24th Edition) ( 3500 Ca - B )
26	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Chemical Oxygen Demand ( COD )	IS 3025 ( Part -58 )
27	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Chloride	APHA (24th Edition) ( 4500 Cl- B )
28	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Chromium ( Cr +6 )	APHA (24th Edition)( 3500 Cr, B )
29	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Chromium (Cr) Total	APHA (24th Edition) (3111B )
30	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Conductivity	APHA (24th Edition) ( 2510 B )
31	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Copper ( Cu )	APHA (24th Edition) ( 3111 B )
32	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Cyanide ( Colorimetric)	APHA (24th Edition) ( 4500 CN- E )
33	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Dissolved Oxygen	APHA (24th Edition) ( 4500- O - C )
34	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Fixed Solids	APHA (24th Edition) ( 2540 E )
35	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Flouride	APHA (24th Edition)(4500F-D )



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36	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Iron ( Fe )	APHA (24th Edition) ( 3500 Fe , B )
37	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Lead ( Pb )	APHA (24th Edition) ( 3111 B )
38	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Magnesium ( Mg)	APHA (24th Edition) ( 3500-Mg, B )
39	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Mercury (Hg )	APHA (24th Edition) (3030E ,3112 B )
40	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Nickle ( Ni )	APHA (24TH Edition) ( 3030E,3111 B )
41	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Nitrate - Nitrogen	APHA (24th Edition) ( 4500 NO3 - E )
42	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Nitrite -Nitrogen	APHA (24th Edition) ( 4500 NO2 -B )
43	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Oil and Grease	APHA (24th Edition) ( 5520 B )
44	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	pH	APHA (24th Edition) (4500H+B)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Phenol	APHA (24th Edition) ( 5530 D )
46	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Phosphate	APHA (24th Edition) ( 4500 P ,D )
47	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Potassium ( K )	APHA (24th Edition)( 3500 K ,B)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Silica	APHA (24th Edition) ( 4500 SiO2 -C)
49	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Sodium ( Na)	APHA (24th Edition) ( 3500 Na - B )
50	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Sulphate	APHA (24th Edition) ( 4500 SO4- E )
51	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Sulphide	APHA ( 24th Edition) ( 4500 S - F )
52	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Temperature	APHA (24th Edition) ( 2550 B )
53	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Total Alkalinity	APHA (24th Edition) ( 2320 B )
54	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Total Dissolved Solids	APHA (24th Edition) ( 2540 C )





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55	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Total Hardness	APHA (24th Edition) ( 2340 C )
56	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Total Kjeldhal Nitrogen ( TKN)	APHA (24th Edition) ( 4500 N org -B )
57	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Total Suspended Solids	APHA (24th Edition) ( 2540 D )
58	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Turbidity	APHA (24th Edition) ( 2130 B )
59	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Volatile Solids	APHA (24th Edition) (2540E)
60	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Zinc (Zn)	APHA (24th Edition) (3030E, 3111 B )
61	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Arsenic	USEPA 3050B
62	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Boron ( B )	USEPA 3050B
63	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Cadmium	USEPA 3050B
64	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Chromium ( Total)	USEPA 3050B
65	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Copper	USEPA 3050B
66	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Lead	USEPA 3050B
67	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Mercury ( Hg )	USEPA 3050B
68	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Nickle	USEPA 3050B
69	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Carbon / Matter	IS 2720 (Part -22 )
70	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH	IS 2720 ( Part -26 )
71	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Potassium	USEPA 3050B
72	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Sodium	USEPA 3050B
73	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Specific Electrical Conductivity	IS 14767



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74	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Kheldhal Nitrogen ( TKN )	IS 14684
75	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Water Content	IS 2720 ( Part -2 )
76	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Zinc	USEPA 3050B
77	CHEMICAL- RESIDUES IN WATER	Potable ,Domestic, Bore Well ,Drinking Water and Irrigation Water.	Aldrin	APHA, (24th Edition), 6630B,C
78	CHEMICAL- RESIDUES IN WATER	Potable, Domestic and Bore Well Water	Boron (B)	APHA, (24th Edition), 4500-B,C
79	CHEMICAL- RESIDUES IN WATER	Potable, Domestic and Bore Well Water	Cadmium (Cd)	APHA, (24th Edition), 3030E, 3111B.
80	CHEMICAL- RESIDUES IN WATER	Potable, Domestic and Bore Well Water	Chromium ( Cr+6)	APHA, (24th Edition), 3500-Cr-B.
81	CHEMICAL- RESIDUES IN WATER	Potable, Domestic and Bore Well Water	Lead (Pb)	APHA , (24th Edition), 3030E, 3111B.
82	CHEMICAL- RESIDUES IN WATER	Potable, Domestic and Bore Well Water	Nickle ( Ni)	APHA , (24th Edition), 3111B.
83	CHEMICAL- RESIDUES IN WATER	Potable, Domestic and Bore Well Water	Potassium (K)	APHA, (24th Edition), 3500 K,B.
84	CHEMICAL- RESIDUES IN WATER	Potable, Domestic and Bore Well Water	Sodium (Na)	APHA, (24th Edition), M3500 Na, B.
85	CHEMICAL- RESIDUES IN WATER	Potable, Domestic and Bore Well Water	Zinc (Zn)	APHA, (24th Edition), 3030E, 3111B.
86	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, and Bore Well Water	Copper (Cu)	APHA , (24th Edition), 3030E, 3111-B
87	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, and Bore Well Water	Arsenic (As)	APHA , (24th Edition), 3114, 2023
88	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, and Bore Well Water	Iron (Fe)	APHA, (24th Edition), 3500 Fe, B
89	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, and Bore Well Water	Mercury (Hg)	APHA, (24th Edition), 3112 B .
90	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, Bore Well ,Drinking Water and Irrigation Water.	Butachlore	APHA, (24th Edition), 6630B,C
91	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, Bore Well ,Drinking Water and Irrigation Water.	Parathion Methyl	APHA, (24th Edition), 6630B,C
92	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, Bore Well, Drinking Water and Irrigation Water.	4,4,DDT	APHA, (24th Edition), 6630B,C



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93	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, Bore Well, Drinking Water and Irrigation Water.	Alachore	APHA , (24th Edition), 6630B,C
94	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, Bore Well, Drinking Water and Irrigation Water.	Alpha Endosulphan.	APHA , (24th Edition), 6630B,C
95	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, Bore Well, Drinking Water and Irrigation Water.	Dieldrin	APHA, (24th Edition), 6630B,C
96	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, Bore Well, Drinking Water and Irrigation Water.	Malathion	APHA , (24th Edition), 6630B,C
97	CHEMICAL- RESIDUES IN WATER	Potable, Domestic, Borewell Water	Chromium (Cr)-Total	APHA, (24th Edition), 3111B
98	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Acidity as CaCO <sub>3</sub>	APHA, (24th Edition), 2310B
99	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Ammonical Nitrogen	APHA, (24th Edition), 4500 NH <sub>3</sub> - F
100	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Biochemical Oxygen Demand ( BOD)	IS 3025 (Part -44 )
101	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Calcium (Ca)	APHA, (24th Edition), 3500 Ca, B
102	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Chemical Oxygen Demand	IS 3025 (Part -58 )
103	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Chloride	APHA, (24th Edition), 4500 Cl-B
104	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Conductivity	APHA, (24th Edition), 2510 B
105	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Cyanide ( Colorimetric )	APHA, (24th Edition), 4500 CN-E
106	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Cyanide ( Titrimetric )	APHA, (24th Edition), 4500-CN-D
107	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Dissolved Oxygen	APHA, (24th Edition), 4500-O-C
108	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Fixed Solids	APHA, (24th Edition), 2540E
109	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Flouride	APHA, (24th Edition), 4500-F-D
110	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Magnesium ( Mg)	APHA, (24th Edition), 3500-Mg ,B
111	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Nitrate-Nitrogen	APHA, (24th Edition), 4500 NO <sub>3</sub> -E
112	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Nitrite - Nitrogen	APHA, (24th Edition), 4500 - NO <sub>2</sub> -B
113	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Oil and Grease	APHA, (24th Edition), 5520 , B
114	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	pH	APHA, (24th Edition), 4500-H+B
115	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Phenol	APHA, (24th Edition), 5530 D





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116	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Phosphate	APHA, (24th Edition), 4500 P-D
117	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Silica	APHA, (24th Edition), 4500 SiO <sub>2</sub> -C
118	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Sulphate	APHA, (24th Edition), 4500-SO <sub>4</sub> - E
119	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Sulphide	APHA, (24th Edition), 4500 S-F
120	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Temperature	APHA, (24th Edition), 2550 B
121	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Total Alkalinity	APHA, (24th Edition), 2320 B
122	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Total Dissolved Solids	APHA, (24th Edition), 2540 C
123	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Total Hardness	APHA, (24th Edition), 2340 C
124	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Total Kjeldahl Nitrogen ( TKN )	APHA, (24th Edition), 4500- N org-B
125	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Total Suspended Solids	APHA, (24th Edition), 2540 D
126	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Turbidity	APHA, (24th Edition), 2130 B
127	CHEMICAL- WATER	Potable, Domestic and Bore Well Water	Volatile Solids	APHA, (24th Edition), 2540E