National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GREEN TECH ENVIRONMENTAL ENGINEER AND CONSULTANTS (ENVIRONMENTAL LABORATORY), HOUSE # 11, CHAMPAKNAGAR, NARAYAN PATH, BHETAPARA, GUWAHATI, ASSAM, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5991 **Page No** 1 of 7

Validity 21/07/2022 to 20/07/2024 **Last Amended on** 04/10/2022

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	Air Monitoring	Lead	IS: 5182 (Part 22)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Air monitoring	Nitrogen Dioxide	IS: 5182 Part-6
3	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	PM 10	IS:5182 (Part 23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	PM 2.5	USEPA FRM 40 CFR Part 50, 53 Appendix- L FEM candidate Method - I
5	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	Sulfur Dioxide	IS: 5182 Part-2
6	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Carbon dioxide (CO2)	GEEC/SOP/01/STK/CO2
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Carbon monoxide (CO)	GEEC/SOP/01/STK/CO
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Oxides of nitrogen (NOx)	IS 11255:Part –7
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Oxygen (O2)	IS 13270
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Particulate Matter	IS 11255: Part –I
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Sulphur dioxide (SO2)	IS 11255:Part –2
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Velocity	IS 11255:Part –3 Sec 2
13	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Determination of dry matter	IS 15106
14	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Determination of Electrical Conductivity	IS 14767
15	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Determination of moisture content	IS 15106
16	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Determination of pH	IS 2720 : Part 26
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phenol	IS 3025 :Part 43 (Aminoantipyrine Method)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Bioassay using Zebra Fish	IS 6582 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name : GREEN TECH ENVIRONMENTAL ENGINEER AND CONSULTANTS (ENVIRONMENTAL LABORATORY), HOUSE # 11, CHAMPAKNAGAR, NARAYAN PATH, BHETAPARA, GUWAHATI, ASSAM, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5991 **Page No** 2 of 7

Validity 21/07/2022 to 20/07/2024 **Last Amended on** 04/10/2022

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
19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	BOD	APHA 23rd 5210 B
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	BOD	IS 3025 : Part 44
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium	APHA 23rd 3111 B, 3500 Ca
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium	IS 3025:Part-40 (EDTA Titrimetric and AAS Method)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride	APHA 23rd 4500 Cl
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride	IS 3025: Part 32 (Argentometric Method)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	COD	APHA 23rd 5220 B and C
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	COD	IS 3025:Part 58
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Colour	APHA 23rd 2120 B and C
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Colour	IS 3025 : Part 4 (Visual Comparision and Spectrophotometric)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Conductivity	APHA 23rd 2510 B
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Conductivity	IS 3025 (Part 14)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluoride	APHA 23rd 4500 F D
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluoride	IS 3025: Part 60 (Zirconium Alizarin Method)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Odour	IS 3025 (Part 5)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	APHA 23rd 5520 B
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	IS 3025 (Part 39) (Liquid Liquid Partition Gravimetric Method)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	APHA 23rd 5520 B

SCOPE OF ACCREDITATION

Laboratory Name : GREEN TECH ENVIRONMENTAL ENGINEER AND CONSULTANTS (ENVIRONMENTAL LABORATORY), HOUSE # 11, CHAMPAKNAGAR, NARAYAN PATH, BHETAPARA, GUWAHATI, ASSAM, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5991 **Page No** 3 of 7

Validity 21/07/2022 to 20/07/2024 **Last Amended on** 04/10/2022

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
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	IS 3025 : Part 11
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phenol	APHA 23rd 5530 D Phenol B
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulfate	APHA 23rd 4500 SO4 E
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulfate	IS 3025 : Part 24 (Turbidity Method)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	TDS	APHA 23rd 2540 C
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	TDS	IS 3025 (Part 16)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Temperature	IS 3025 (Part 9)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	TSS	APHA 23rd 2540 D
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	TSS	IS 3025 (Part 17)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Turbidity	APHA 23rd 2130 Turbidity B
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Turbidity	IS 3025 (Part 10)
48	CHEMICAL- RESIDUES IN WATER	Waste Water	Aluminum	APHA 23rd 3500- Al B
49	CHEMICAL- RESIDUES IN WATER	Waste Water	Aluminum	IS 3025 (Part 55) (Eriochrome Cyanine R Method)
50	CHEMICAL- RESIDUES IN WATER	Waste Water	Arsenic	APHA 23rd 3114 C, 3500 -As B
51	CHEMICAL- RESIDUES IN WATER	Waste Water	Arsenic	IS 3025 (Part 37) (AAS Method and Mercuric Bromide Stain Method)
52	CHEMICAL- RESIDUES IN WATER	Waste Water	Chromium	APHA 23rd 3114 C, 3500 -Cr B
53	CHEMICAL- RESIDUES IN WATER	Waste Water	Chromium	IS 3025 (Part 52) (AAS Method)
54	CHEMICAL- RESIDUES IN WATER	Waste Water	Copper	APHA 23rd 3111 B

SCOPE OF ACCREDITATION

Laboratory Name : GREEN TECH ENVIRONMENTAL ENGINEER AND CONSULTANTS (ENVIRONMENTAL LABORATORY), HOUSE # 11, CHAMPAKNAGAR, NARAYAN PATH, BHETAPARA, GUWAHATI, ASSAM, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5991 **Page No** 4 of 7

Validity 21/07/2022 to 20/07/2024 **Last Amended on** 04/10/2022

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
55	CHEMICAL- RESIDUES IN WATER	Waste Water	Copper	IS 3025 (Part 42) (AAS Method)
56	CHEMICAL- RESIDUES IN WATER	Waste Water	Iron	APHA 23rd 3111 B, 3500-Fe B
57	CHEMICAL- RESIDUES IN WATER	Waste Water	Iron	IS 3025 (Part 53)(AAS Method and 1, 10 Phenanthroline Method)
58	CHEMICAL- RESIDUES IN WATER	Waste Water	Lead	APHA 23rd 3111 B
59	CHEMICAL- RESIDUES IN WATER	Waste Water	Lead	IS 3025 (Part 47) (AAS Method)
60	CHEMICAL- RESIDUES IN WATER	Waste Water	Zinc	APHA 23rd 3111 B
61	CHEMICAL- RESIDUES IN WATER	Waste Water	Zinc	IS 3025 (Part 49) (AAS Method)
62	CHEMICAL- RESIDUES IN WATER	Water (Ground, Surface, Potable, Domestic)	Aluminum	APHA 23rd 3500-Al B
63	CHEMICAL- RESIDUES IN WATER	Water (Ground, Surface, Potable, Domestic)	Arsenic	APHA 23rd 3114 C, 3500 -As B
64	CHEMICAL- RESIDUES IN WATER	Water (Ground, Surface, Potable, Domestic)	Copper	APHA 23rd 3111 B
65	CHEMICAL- RESIDUES IN WATER	Water (Ground, Surface, Potable, Domestic)	Iron	APHA 23rd 3111 B, 3500-Fe B
66	CHEMICAL- RESIDUES IN WATER	Water (Ground, Surface, Potable, Domestic)	Aluminum	IS 3025 (Part 55) (Eriochrome Cyanine R Method)
67	CHEMICAL- RESIDUES IN WATER	Water (Ground, Surface, Potable, Domestic)	Arsenic	IS 3025 (Part 37) (AAS Method and Mercuric Bromide Stain Method)
68	CHEMICAL- RESIDUES IN WATER	Water (Ground, Surface, Potable, Domestic)	Chromium (Total)	APHA 23rd 3114 C, 3500 -Cr B
69	CHEMICAL- RESIDUES IN WATER	Water (Ground, Surface, Potable, Domestic)	Chromium (Total)	IS 3025 (Part 52) (AAS Method)
70	CHEMICAL- RESIDUES IN WATER	Water (Ground, Surface, Potable, Domestic)	Copper	IS 3025 (Part 42) (AAS Method)
71	CHEMICAL- RESIDUES IN WATER	Water (Ground, Surface, Potable, Domestic)	Iron	IS 3025 (Part 53)(AAS Method and 1, 10 Phenanthroline Method)
72	CHEMICAL- RESIDUES IN WATER	Water (Ground, Surface, Potable, Domestic)	Lead	APHA 23rd 3111 B

SCOPE OF ACCREDITATION

Laboratory Name : GREEN TECH ENVIRONMENTAL ENGINEER AND CONSULTANTS (ENVIRONMENTAL LABORATORY), HOUSE # 11, CHAMPAKNAGAR, NARAYAN PATH, BHETAPARA, GUWAHATI, ASSAM, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5991 **Page No** 5 of 7

Validity 21/07/2022 to 20/07/2024 **Last Amended on** 04/10/2022

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
73	CHEMICAL- RESIDUES IN WATER	Water (Ground, Surface, Potable, Domestic)	Lead	IS 3025 (Part 47)(AAS Method)
74	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Calcium	APHA 23rd 3111 B, 3500 Ca B
75	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	COD	IS 3025 (Part 58)
76	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Colour	IS 3025 (Part 4) (Visual Comparision and Spectrophotometric)
77	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Oil & Grease	IS 3025 (Part 39) (Liquid Liquid Partition Gravimetric Method)
78	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	TDS	IS 3025 (Part 16)
79	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic	pH	APHA 23rd 4500 H B
80	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Chloride	APHA 23rd 4500 Cl B
81	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Fluoride	APHA 23rd 4500 F D
82	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Sulphate	APHA 23rd 4500 SO4 E (Turbidimetric Method)
83	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	TDS	APHA 23rd 2540 C
84	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Zinc	APHA 23rd 3111 B
85	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	pH	IS 3025 (Part 11)
86	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Alkalinity	APHA 23rd 2320 B
87	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	COD	APHA 23rd 5220 B and C
88	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Colour	APHA 23rd 2120 B and C
89	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Conductivity	APHA 23rd 2510 B
90	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Dissolved Oxygen	APHA 23rd 4500 O C
91	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Oil & Grease	APHA 23rd 5520 B
92	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	TSS	APHA 23rd 2540 D
93	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Turbidity	APHA 23rd 2130 Turbidity B
94	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Alkalinity	I.S. 3025 (Part-23)
95	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	BOD	APHA 23rd 2130 Turbidity B
96	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	BOD	IS 3025 (Part 44)
97	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Calcium	IS 3025 (Part-40)
98	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Chloride	IS 3025 (Part 32) (Argentometric Method)
99	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Conductivity	IS 3025 (Part 14)

SCOPE OF ACCREDITATION

Laboratory Name : GREEN TECH ENVIRONMENTAL ENGINEER AND CONSULTANTS (ENVIRONMENTAL LABORATORY), HOUSE # 11, CHAMPAKNAGAR, NARAYAN PATH, BHETAPARA, GUWAHATI, ASSAM, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5991 **Page No** 6 of 7

Validity 21/07/2022 to 20/07/2024 **Last Amended on** 04/10/2022

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
100	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Dissolved Oxygen	IS 3025 (Part 38) (Azide Modification and Membrane Electrode Method)
101	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Fluoride	IS 3025 (Part 60) (Zirconium Alizarin Method)
102	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Sulphate	IS 3025 (Part 24) (Turbidity Method)
103	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	TSS	IS 3025 (Part 17)
104	CHEMICAL- WATER	Water (Ground, Surface, Potable, Domestic)	Turbidity	IS 3025 (Part 10)
105	CHEMICAL- WATER	Water for construction purpose	Acidity	IS 3025 (Part 22)
106	CHEMICAL- WATER	Water for construction purpose	Basicity	IS 3025 (Part 23)
107	CHEMICAL- WATER	Water for construction purpose	Chloride	IS 3025 (Part 32) (Argentometric Method)
108	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 (Part 11)
109	CHEMICAL- WATER	Water for construction purpose	Sulphate	IS 3025 (Part 24) (Turbidity Method)
110	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	IS 3025 (Part 17)
111	CHEMICAL- WATER	Water(Ground, Surface, Potable, Domestic)	Odour	IS 3025 (Part 5)
112	CHEMICAL- WATER	Water(Ground, Surface, Potable, Domestic)	Temperature	IS 3025 (Part 9)
113	CHEMICAL- WATER	Water(Ground, Surface, Potable, Domestic)	Total Hardness as CaCO3	IS 3025 (Part 21) (EDTA Method)

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GREEN TECH ENVIRONMENTAL ENGINEER AND CONSULTANTS (ENVIRONMENTAL LABORATORY), HOUSE # 11, CHAMPAKNAGAR, NARAYAN PATH, BHETAPARA, GUWAHATI, ASSAM, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5991 **Page No** 7 of 7

Validity 21/07/2022 to 20/07/2024 **Last Amended on** 04/10/2022

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
Site Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	Lead	IS: 5182 (Part 22)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Air monitoring	Nitrogen Dioxide	IS: 5182 Part-6
3	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	PM 10	IS:5182 (Part 23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	PM 2.5	USEPA FRM 40 CFR Part 50, 53 Appendix- L FEM candidate Method - I
5	CHEMICAL- ATMOSPHERIC POLLUTION	Air Monitoring	Sulfur Dioxide	IS: 5182 Part-2
6	CHEMICAL- ATMOSPHERIC POLLUTION	Noise (Source)	Sound Level from Source	IS 4758
7	CHEMICAL- ATMOSPHERIC POLLUTION	Noise Ambient	Ambient Noise	GEEC/SOP/AN/01 Issue Date: 27/05/2017
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Carbon dioxide (CO2)	GEEC/SOP/01/STK/CO2
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Carbon monoxide (CO)	GEEC/SOP/01/STK/CO
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Oxides of nitrogen (NOx)	IS 11255:Part –7
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Oxygen (O2)	IS 13270
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Particulate Matter	IS 11255: Part –I
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Sulphur dioxide (SO2)	IS 11255:Part –2
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Velocity	IS 11255:Part –3 Sec 2
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Temperature	IS 3025 (Part 9)
16	CHEMICAL- WATER	Water(Ground, Surface, Potable, Domestic)	Temperature	IS 3025 (Part 9)