National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ECO CARE ENGINEERING PRIVATE LIMITED, PLOT NO. 2, DOOR NO. 11, 8 TH STREET, JAI NAGAR, ARUMBAKKAM, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 22/06/2022 to 21/06/2024 **Last Amended on** -

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 (NH3)	ECE/SOP/NH3/03 ;Issue date.15.05.2019 & Issue no:4
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen	IS 5182 Part 6
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone (O3)	IS 5182 Part 9
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM 2.5	ECE/SOP/PM2.5/01 ;Issue date.15.05.2019 & Issue no:4
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	RSPM / Respirable Particulate Matter PM10	IS 5182 Part 23
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide	IS 5182 Part 2
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels	Noise Level	IS 9989
8	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise Levels(DG set)	Noise Level	IS 7194
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Gas Discharge	IS 11255 Part 3
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Carbon dioxide as CO2	IS 13270
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Monoxide	IS 13270 (by ORSAT gas analyser)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen	IS 11255 Part 7
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxygen as O2	IS 13270
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS 11255 Part 1
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur dioxide	IS 11255 Part 2
16	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Temperature	IS 11255 Part 3
17	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Velocity	IS 11255 Part 3
18	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment And Indoor Air Quality	Illumination	IS 6665

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Arsenic as As	IS 3025 Part 2
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Biochemical Oxygen Demand (BOD) @ 27°C For 3 Days	IS 3025 Part 44
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Boron as B	IS 3025 Part 2
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Cadmium as Cd	IS 3025 Part 2
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Calcium as Ca	IS 3025 Part 40
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Chemical Oxygen Demand (COD)	IS 3025 Part 58
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Chloride as Cl	IS 3025 Part 32
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Chromium as Cr+6	IS 3025 Part 52
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Conductivity @ 25°C	IS 3025 Part 14
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Copper as Cu	IS 3025 Part 2
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Lead as Pb	EEC/SOP/metals-01;Issue date: 02.08.2019;Issue no:01
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Magnesium as Mg	IS 3025 Part 46
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Mercury	USEPA :EPA 600/4-79-020 (by ICP OES)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Nickel as Ni	IS 3025 Part 2
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Oil & Grease	IS 3025 Part 39(Partition Gravimetric method)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Phenolphthalein Alkalinity as CaCO3	IS 3025 Part 23
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Phosphate as Phosphorous	IS 3025 Part 31
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Potassium as K	IS 3025 Part 2
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Selenium as Se	IS 3025 Part 2

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38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Silica as SiO2	IS 3025 Part 35
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Sodium as Na	IS 3025 Part 2
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Sulphate as SO4	IS 3025 Part 24
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Alkalinity as CaCO3	IS 3025 Part 23
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Chromium as Cr	IS 3025 Part 2
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Dissolved Solids @ 105°C/180°C	IS 3025 Part 16
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Hardness as CaCO3	IS 3025 Part 21
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Solids	IS 3025 Part 15
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Suspended Solids	IS 3025 Part 17
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Turbidity	IS 3025 Part 10
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Zinc as Zn	IS 3025 Part 2
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Acidity	IS 3025 Part 22
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Aluminium as Al	IS 3025 Part 2
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Barium as Ba	IS 3025 Part 2
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Bismuth as Bi	IS 3025 Part 2
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Cobalt as Co	IS 3025 Part 2
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fluoride as F-	IS 3025 Part 60
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Free Residual Chlorine	IS 3025 Part 26
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Iron as Fe	IS 3025 Part 2

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57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Lithium as Li	IS 3025 Part 2
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Manganese as Mn	IS 3025 Part 2
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Silver as Ag	IS 3025 Part 2
60	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Strontium as Sr	IS 3025 Part 2
61	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Temperature	IS 3025 Part 9
62	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Thallium as Tl	ECE/SOP/002 ; Issue date.28.11.2019 & Issue no:1
63	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Effluent/Sewage)	pH @ 25°C	IS 3025 Part 11
64	CHEMICAL- RESIDUES IN WATER	Surface Water / Ground Water / Drinking Water	Barium as Ba	IS 3025 Part 2
65	CHEMICAL- RESIDUES IN WATER	Surface Water / Ground Water / Drinking Water	Bismuth as Bi	IS 3025 Part 2
66	CHEMICAL- RESIDUES IN WATER	Surface Water / Ground Water / Drinking Water	Cobalt as Co	IS 3025 Part 2
67	CHEMICAL- RESIDUES IN WATER	Surface Water / Ground Water / Drinking Water	Lithium as Li	IS 3025 Part 2
68	CHEMICAL- RESIDUES IN WATER	Surface Water / Ground Water / Drinking Water	Strontium as Sr	IS 3025 Part 2
69	CHEMICAL- RESIDUES IN WATER	Surface Water / Ground Water / Drinking Water	Thallium as Tl	ECE/SOP/002; Issue date.28.11.2019 & Issue no:1
70	CHEMICAL- RESIDUES IN WATER	Surface water/Ground water/Drinking water	Aluminium as Al	EEC/SOP/metals-01;Issue date: 02.08.2019;Issue no:01
71	CHEMICAL- RESIDUES IN WATER	Surface water/Ground water/Drinking water	Arsenic as As	IS 3025 Part 2
72	CHEMICAL- RESIDUES IN WATER	Surface water/Ground water/Drinking water	Boron as B	IS 3025 Part 2
73	CHEMICAL- RESIDUES IN WATER	Surface water/Ground water/Drinking water	Cadmium as Cd	IS 3025 Part 2
74	CHEMICAL- RESIDUES IN WATER	Surface water/Ground water/Drinking water	Copper as Cu	IS 3025 Part 2
75	CHEMICAL- RESIDUES IN WATER	Surface water/Ground water/Drinking water	Iron as Fe	IS 3025 Part 2

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76	CHEMICAL- RESIDUES IN WATER	Surface water/Ground water/Drinking water	Lead as Pb	IS 3025 Part 2
77	CHEMICAL- RESIDUES IN WATER	Surface water/Ground water/Drinking water	Manganese as Mn	IS 3025 Part 2
78	CHEMICAL- RESIDUES IN WATER	Surface water/Ground water/Drinking water	Mercury	USEPA :EPA 600/4-79-020 (by ICP OES)
79	CHEMICAL- RESIDUES IN WATER	Surface water/Ground water/Drinking water	Nickel as Ni	IS 3025 Part 2
80	CHEMICAL- RESIDUES IN WATER	Surface water/Ground water/Drinking water	Selenium as Se	IS 3025 Part 2
81	CHEMICAL- RESIDUES IN WATER	Surface water/Ground water/Drinking water	Total Chromium as Cr	IS 3025 Part 2
82	CHEMICAL- RESIDUES IN WATER	Surface water/Ground water/Drinking water	Zinc as Zn	IS 3025 Part 2
83	CHEMICAL- WATER	Surface Water / Ground Water / Drinking Water	Acidity	IS 3025 Part 22
84	CHEMICAL- WATER	Surface Water / Ground Water / Drinking Water	Colour	IS 3025 Part 4
85	CHEMICAL- WATER	Surface Water / Ground Water / Drinking Water	Odour	IS 3025 Part 5
86	CHEMICAL- WATER	Surface Water / Ground Water / Drinking Water	Potassium as K	EEC/SOP/metals-01;Issue date: 02.08.2019;Issue no:01
87	CHEMICAL- WATER	Surface Water / Ground Water / Drinking Water	Silver as Ag	EEC/SOP/metals-01;Issue date: 02.08.2019;Issue no:01
88	CHEMICAL- WATER	Surface Water / Ground Water / Drinking Water	Sodium as Na	EEC/SOP/metals-01;Issue date: 02.08.2019;Issue no:01
89	CHEMICAL- WATER	Surface Water / Ground Water / Drinking Water	Taste	APHA 23rd Edn. 2160 B
90	CHEMICAL- WATER	Surface Water / Ground Water / Drinking Water	Temperature	IS 3025 Part 9
91	CHEMICAL- WATER	Surface water/Ground Water/ Drinking water	Fluoride as F-	IS 3025 Part 60
92	CHEMICAL- WATER	Surface water/Ground water/Drinking water	Calcium as Ca	IS 3025 Part 40
93	CHEMICAL- WATER	Surface water/Ground water/Drinking water	Carbonate Hardness as CaCO3	IS 3025 Part 21
94	CHEMICAL- WATER	Surface water/Ground water/Drinking water	Chloride as Cl	IS 3025 Part 32
95	CHEMICAL- WATER	Surface water/Ground water/Drinking water	Chromium as Cr+6	IS 3025 Part 52
96	CHEMICAL- WATER	Surface water/Ground water/Drinking water	Conductivity @ 25°C	IS 3025 Part 14
97	CHEMICAL- WATER	Surface water/Ground water/Drinking water	Magnesium as Mg	IS 3025 Part 46
98	CHEMICAL- WATER	Surface water/Ground water/Drinking water	pH @ 25°C	IS 3025 Part 11
99	CHEMICAL- WATER	Surface water/Ground water/Drinking water	Phenolphthalein Alkalinity as CaCO3	IS 3025 Part 23

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100	CHEMICAL- WATER	Surface water/Ground water/Drinking water	Phosphate as Phosphorous	IS 3025 Part 31
101	CHEMICAL- WATER	Surface water/Ground water/Drinking water	Silica as SiO2	IS 3025 Part 35
102	CHEMICAL- WATER	Surface water/Ground water/Drinking water	Sulphate as SO4	IS 3025 Part 24
103	CHEMICAL- WATER	Surface water/Ground water/Drinking water	Total Alkalinity as CaCO3	IS 3025 Part 23
104	CHEMICAL- WATER	Surface water/Ground water/Drinking water	Total Dissolved Solids @ 105°C/180°C	IS 3025 Part 16
105	CHEMICAL- WATER	Surface water/Ground water/Drinking water	Total Hardness as CaCO3	IS 3025 Part 21
106	CHEMICAL- WATER	Surface water/Ground water/Drinking water	Total Solids	IS 3025 Part 15
107	CHEMICAL- WATER	Surface water/Ground water/Drinking water	Total Suspended Solids	IS 3025 Part 17
108	CHEMICAL- WATER	Surface water/Ground water/Drinking water	Turbidity	IS 3025 Part 10
109	CHEMICAL- WATER	Water for construction purpose	Chloride as Cl	IS 3025 Part 32
110	CHEMICAL- WATER	Water for construction purpose	pH @ 25°C	IS 3025 Part 11
111	CHEMICAL- WATER	Water for construction purpose	Sulphate as SO4	IS 3025 Part 24
112	CHEMICAL- WATER	Water for construction purpose	Water Neutralization	IS 3025 Part 22 & 23