National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENTAL CHEMICAL LABORATORY (E&S DEPT), CSIR -INSTITUTE OF MINERALS & MATERIALS TECHNOLOGY, CSIR-IMMT, BHUBANESWAR, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8091 **Page No** 1 of 4

Validity 25/03/2021 to 24/03/2023 **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	Oxides of Nitrogen (NO2)	IS 5182 (Part 6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM10	IS 5182 (Part 23)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM2.5	IS 5182 (Part 24)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulfur dioxide (SO2)	IS 5182(Part 2)
5	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	available Pottasium	SOP 04, Issue No 01, February 27
6	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Electrical Conductivity	IS 14767
7	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Heavy Metal Chromium (as Cr)	SOP No 08, Issue No 01, February 27: 2019
8	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Heavy Metal Copper (as Cu)	SOP No 05, Issue No 01, February 27: 2019
9	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Heavy Metal Lead (as Pb)	SOP No 07, Issue No 01, February 27: 2019
10	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Heavy Metal Zinc (as Zn)	SOP No 06, Issue No 01, February 27: 2019
11	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Matter	IS 2720 (Part 22)
12	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH	IS 2720 (Part 26)
13	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Soluble Solid	IS 2720 (Part 21)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Water content	IS 2720 (Part 2)
15	CHEMICAL- WATER	Drinking Water	Cadmium (as Cd)	IS 3025 (Part 41)
16	CHEMICAL- WATER	Drinking Water	Calcium (as Ca)	IS 3025 (Part 40)
17	CHEMICAL- WATER	Drinking Water	Chloride (as Cl)	IS 3025 (Part 32)
18	CHEMICAL- WATER	Drinking Water	Copper (as Cu)	IS 3025 (Part 42)
19	CHEMICAL- WATER	Drinking Water	Fluoride (as F)	IS 3025 (Part 60)
20	CHEMICAL- WATER	Drinking Water	Iron (as Fe)	IS 3025 (Part 53)
21	CHEMICAL- WATER	Drinking Water	Lead (as Pb)	IS 3025 (Part 47)

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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
22	CHEMICAL- WATER	Drinking Water	Manganese (as Mn)	APHA (Part 3111B), 23rd Edition
23	CHEMICAL- WATER	Drinking Water	Mangnesium (as Mg)	IS 3025 (Part 46)
24	CHEMICAL- WATER	Drinking Water	Nickel (as Ni)	IS 3025 (Part 54)
25	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
26	CHEMICAL- WATER	Drinking Water	Sulphate (as SO4)	IS 3025 (Part 24)
27	CHEMICAL- WATER	Drinking Water	Total Alkalinity (as Calcium Carbonate)	IS 3025 (Part 23)
28	CHEMICAL- WATER	Drinking Water	Total Chromium	IS 3025 (Part 52)
29	CHEMICAL- WATER	Drinking Water	Total Dissolved Solid	IS 3025 (Part 16)
30	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	IS 3025 (Part 21)
31	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
32	CHEMICAL- WATER	Drinking Water	Zinc (as Zn)	IS 3025 (Part 49)
33	CHEMICAL- WATER	Ground Water	Cadmium (as Cd)	IS 3025 (Part 41)
34	CHEMICAL- WATER	Ground water	Calcium (as Ca)	IS 3025 (Part 40)
35	CHEMICAL- WATER	Ground water	Chloride (as Cl)	IS 3025 (Part 32)
36	CHEMICAL- WATER	Ground water	Copper (as Cu)	IS 3025 (Part 42)
37	CHEMICAL- WATER	Ground water	Fluoride (as F)	IS 3025 (Part 60)
38	CHEMICAL- WATER	Ground water	Iron (as Fe)	IS 3025 (Part 53)
39	CHEMICAL- WATER	Ground water	Lead (as Pb)	IS 3025 (Part 47)
40	CHEMICAL- WATER	Ground water	Magnesium (as Mg)	IS 3025 (Part 46)
41	CHEMICAL- WATER	Ground water	Manganese (as Mn)	APHA (Part 3111B), 23rd Edition
42	CHEMICAL- WATER	Ground water	Nickel (as Ni)	IS 3025 (Part 54)
43	CHEMICAL- WATER	Ground water	pH	IS 3025 (Part 11)
44	CHEMICAL- WATER	Ground water	Sulphate (as SO4)	IS 3025 (Part 24)
45	CHEMICAL- WATER	Ground water	Total alkalinity as Calcium carbonate	IS 3025 (Part 23)
46	CHEMICAL- WATER	Ground water	Total Chromium	IS 3025 (Part 52)
47	CHEMICAL- WATER	Ground water	Total Dissolved Solid	IS 3025 (Part 16)
48	CHEMICAL- WATER	Ground Water	Total Hardness (as CaCO3)	IS 3025 (Part 21)
49	CHEMICAL- WATER	Ground water	Turbidity	IS 3025 (Part 10)

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50	CHEMICAL- WATER	Ground Water	Zinc (as Zn)	IS 3025 (Part 49)
51	CHEMICAL- WATER	surface water	Cadmium (as Cd)	IS 3025 (Part 41)
52	CHEMICAL- WATER	Surface water	Calcium (as Ca)	IS 3025 (Part 40)
53	CHEMICAL- WATER	Surface water	Chloride (as Cl)	IS 3025 (Part 32)
54	CHEMICAL- WATER	Surface Water	Copper (as Cu)	IS 3025 (Part 42)
55	CHEMICAL- WATER	Surface Water	Fluoride (as F)	IS 3025 (Part 60)
56	CHEMICAL- WATER	Surface water	Iron (as Fe)	IS 3025 (Part 53)
57	CHEMICAL- WATER	Surface Water	Lead (as Pb)	IS 3025 (Part 47)
58	CHEMICAL- WATER	Surface Water	Magnesium (as Mg)	IS 3025 (Part 46)
59	CHEMICAL- WATER	Surface Water	Manganese (as Mn)	APHA (Part 3111B), 23rd Edition
60	CHEMICAL- WATER	Surface Water	Nickel (as Ni)	IS 3025 (Part 54)
61	CHEMICAL- WATER	Surface water	pH	IS 3025 (Part 11)
62	CHEMICAL- WATER	Surface Water	Sulphate (as SO4)	IS 3025 (Part 24)
63	CHEMICAL- WATER	Surface Water	Total Alkalinity as Calcium Carbonate	IS 3025 (Part 23)
64	CHEMICAL- WATER	Surface Water	Total Chromium	IS 3025 (Part 52)
65	CHEMICAL- WATER	Surface Water	Total Dissolved Solid	IS 3025 (Part 16)
66	CHEMICAL- WATER	Surface water	Total Hardness (as CaCO3)	IS 3025 (Part 21)
67	CHEMICAL- WATER	Surface water	Turbidity	IS 3025 (Part 10)
68	CHEMICAL- WATER	Surface water	Zinc (as Zn)	IS 3025 (Part 49)

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8091	**Page No**	4 of 4
Validity	25/03/2021 to 24/03/2023	**Last Amended on**	-

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Site Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia (NH3)	IS 5182 (Part 25)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Equivalent Noise Level (Leq)	IS 9989