National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INSTITUTE FOR ENVIRONMENTAL MANAGEMENT, A-13, SAKET VIHAR, HARMU HOUSING COLONY, RANCHI, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 29/03/2023 to 28/03/2025 **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	IS 5182 (Part -25)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Arsenic	USEPA IO 3.2
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead	IS 5182 (Part -22)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel	IS 5182 (Part -26)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Nitrogen Dioxide	IS 5182 (Part -06)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone	IS 5182 (Part -09)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM 10)	IS 5182 (Part -23)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM 2.5)	IS 5182 (Part -24)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphure Dioxide	IS 5182 (Part -02)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Suspended Particulate Matter	IS 5182 (Part -4)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels (Excluding vibration)	Leq	IS 9989
12	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise Level (Excluding Vibration) DG Noise	Leq	ISO 8528 (Part-10)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise Level (Excluding Vibration) Machine	Leq	IS 4758
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Dioxide	IS 13270
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Monoxide	IS 13270
16	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Nitrogen Dioxide	IS 11255 (Part- 07)
17	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxygen	IS 13270
18	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS 11255 (Part -01)

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19	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide	IS 11255 (Part- 02)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Potassium	IS 3025 (Part-45)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Available Phosphorus	IEM/SOP/Soil/01-Issue No. 01 Date 08-08-2022
22	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Available Potassium	IEM/SOP/Soil/01- Issue No. 01 Date 08-08-2022
23	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Calcium	IEM/SOP/Soil/01-Issue No. 01 Date 08-08-2022
24	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Calcium Plus Magnesium	IEM/Sop/Soil/01 -Issue No. 01 Date 08-08-2022
25	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Electrical Conductivity	IEM/Sop/Soil/01-Issue No 01 Date 08-08-2022
26	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Carbon	IEM/Sop/Soil/01 -Issue No 01 Date 08-08-2022
27	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Matter	IEM/Sop/Soil/01- Issue No 01 Date 08-08-2022
28	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	pH	IEM/Sop/Soil/01/-Issue No 01 Date 08-08-2022
29	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Soil Moisture	IEM/Sop/Soil/01-Issue No 01 Date 08-08-2022
30	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Nitrogen	IEM/Sop/Soil/01-Issue No 01 Date 08-08-2022
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Ammonia	IS 3025 (Part-34)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Nickel	APHA 3111 B.
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Zinc	APHA 3111 B.
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Arsenic	APHA 3114 C.
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Biological Oxygen Demand	IS 3025 (Part-44)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Calcium	IS 3025 (Part-40)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chemical Oxygen Demand	IS 3025 (Part-58)

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38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Chloride	IS 3025 (Part 32)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chromium	APHA 3111 B.
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Cobalt	APHA 3111 B.
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Colour	IS 3025 (Part-4)
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Copper	APHA 3111 B.
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Dissolved Oxygen	IS 3025 (Part-38)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Free Residual Chlorine	IS 3025 (Part 26)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Lead	APHA 3111 B.
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Magnesium	APHA 3500 Mg B
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Manganese	APHA 3111 B.
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Mercury	APHA 3112 B.
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Nitrite Nitrogen	IS 3025 (Part-34)
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Odour	IS 3025 (Part-5)
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	pH	IS 3025 (Part-11)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Phosphate	IS 3025 (Part 31) Sec-1
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Sodium	IS 3025 (Part 45)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphate	IS 3025 (Part-24) Sec-1
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Total Dissolved Solid	IS 3025 (Part 16)
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Total Suspended Solid	IS 3025 (Part 17)

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57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Turbidity	IS 3025 (Part-10)
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Effluents/Sewage)	Conductivity	IS 3025 (Part-14)
59	CHEMICAL- RESIDUES IN WATER	Drinking Water	Arsenic	APHA 3114 C
60	CHEMICAL- RESIDUES IN WATER	Drinking Water	Chromium	APHA 3111 B
61	CHEMICAL- RESIDUES IN WATER	Drinking Water	Cobalt	APHA 3111 B
62	CHEMICAL- RESIDUES IN WATER	Drinking Water	Copper	APHA 3111 B
63	CHEMICAL- RESIDUES IN WATER	Drinking Water	Lead	APHA 3111 B
64	CHEMICAL- RESIDUES IN WATER	Drinking Water	Manganese	APHA 3111 B
65	CHEMICAL- RESIDUES IN WATER	Drinking Water	Mercury	APHA 3112 B
66	CHEMICAL- RESIDUES IN WATER	Drinking Water	Nickel	APHA 3111 B
67	CHEMICAL- RESIDUES IN WATER	Drinking Water	Zinc	APHA 3111 B
68	CHEMICAL- WATER	Drinking Water	Ammoniacal Nitrogen	IS 3025 (Part -34)
69	CHEMICAL- WATER	Drinking Water	Biological Oxygen Demand	IS 3025 (Part - 44)
70	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (Part -40)
71	CHEMICAL- WATER	Drinking Water	Chemical oxygen demand	IS 3025 (Part - 58)
72	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025 (Part -32)
73	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part-04)
74	CHEMICAL- WATER	Drinking Water	Conductivity	IS 3025 (Part-14)
75	CHEMICAL- WATER	Drinking Water	Dissolved oxygen	IS 3025 (Part -38)
76	CHEMICAL- WATER	Drinking Water	Free residual chlorine	IS 3025 (Part -26)
77	CHEMICAL- WATER	Drinking Water	Magnesium	APHA 3500 Mg B
78	CHEMICAL- WATER	Drinking Water	Nitrite Nitrogen	IS 3025 (Part -34)
79	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part-5)
80	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part -11)

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81	CHEMICAL- WATER	Drinking Water	Phosphate	IS 3025 (Part - 31) Sec-1
82	CHEMICAL- WATER	Drinking Water	Potassium	IS 3025 (part 45)
83	CHEMICAL- WATER	Drinking Water	Sodium	IS 3025 (Part - 45)
84	CHEMICAL- WATER	Drinking Water	Sulphates	IS 3025 (Part -24) Sec-1
85	CHEMICAL- WATER	Drinking Water	Total Alkalinity	IS 3025 (Part -23)
86	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part -16)
87	CHEMICAL- WATER	Drinking Water	Total Hardness	IS 3025 (Part - 21)
88	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	IS 3025 (Part -17)
89	CHEMICAL- WATER	Drinking Water	Turbidity, NTU	IS 3025 (Part 10)
90	CHEMICAL- WATER	Ground Water	Ammonia	IS 3025 (Part-34)
91	CHEMICAL- WATER	Ground Water	Biological Oxygen Demand	IS 3025 (Part-44)
92	CHEMICAL- WATER	Ground Water	Calcium	IS 3025 (Part 40)
93	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	IS 3025 (Part-58)
94	CHEMICAL- WATER	Ground Water	Chloride	IS 3025 (Part-32)
95	CHEMICAL- WATER	Ground Water	Colour	IS 3025 (Part-4)
96	CHEMICAL- WATER	Ground Water	Conductivity	IS 3025 (part -14)
97	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	IS 3025 (Part-38)
98	CHEMICAL- WATER	Ground Water	Free Residual Chlorine	IS 3025 (Part-26)
99	CHEMICAL- WATER	Ground Water	Magnesium	APHA 3500 Mg B
100	CHEMICAL- WATER	Ground Water	Nitrite Nitrogen	IS 3025 (Part-34)
101	CHEMICAL- WATER	Ground Water	Odour	IS 3025 (part-5)
102	CHEMICAL- WATER	Ground Water	pH Value	IS 3025 (Part 11)
103	CHEMICAL- WATER	Ground Water	Phosphate	IS 3025 (Part 31) Sec-1
104	CHEMICAL- WATER	Ground Water	Potassium	IS 3025 (Part-45)
105	CHEMICAL- WATER	Ground Water	Sodium	IS 3025 (Part-45)
106	CHEMICAL- WATER	Ground Water	Sulphate	IS 3025 (Part-24)Sec-1
107	CHEMICAL- WATER	Ground Water	Total Alkalinity	IS 3025 (Part-23)
108	CHEMICAL- WATER	Ground Water	Total Dissolved Solid	IS 3025 (Part-16)
109	CHEMICAL- WATER	Ground Water	Total Hardness	IS 3025 (Part 21)
110	CHEMICAL- WATER	Ground Water	Total Suspended Solid	IS 3025 (Part-17)

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111	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part-10)
112	CHEMICAL- WATER	Surface Water	Ammonia	IS 3025 (Part-34)
113	CHEMICAL- WATER	Surface Water	Biological Oxygen Demand	IS 3025 (Part-44)
114	CHEMICAL- WATER	surface Water	Calcium	IS 3025 (Part-40)
115	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	IS 3025 (part-58)
116	CHEMICAL- WATER	Surface Water	Chloride	IS 3025 (Part-32)
117	CHEMICAL- WATER	Surface Water	Colour	IS 3025 (Part-04)
118	CHEMICAL- WATER	Surface Water	Conductivity	IS 3025 (Part-14)
119	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	IS 3025 (Part-38)
120	CHEMICAL- WATER	Surface Water	Free Residual Chloride	IS 3025 (Part-26)
121	CHEMICAL- WATER	Surface Water	Magnesium	APHA 3500 Mg B
122	CHEMICAL- WATER	Surface Water	Nitrite Nitrogen	IS 3025 (Part-34)
123	CHEMICAL- WATER	Surface Water	Odour	IS 3025 (Part-05)
124	CHEMICAL- WATER	Surface Water	pH Value	IS 3025 (Part-11)
125	CHEMICAL- WATER	Surface Water	Phosphate	IS 3025 (Part-31) Sec-1
126	CHEMICAL- WATER	Surface Water	Potassium	IS 3025 (Part-45)
127	CHEMICAL- WATER	Surface Water	Sodium	IS 3025 (Part-45)
128	CHEMICAL- WATER	Surface Water	Sulphate	IS 3025 (Part-24) Sec-1
129	CHEMICAL- WATER	Surface Water	Total Alkalinity	IS 3025 (Part-21)
130	CHEMICAL- WATER	Surface Water	Total Dissolved Solid	IS 3025 (Part-16)
131	CHEMICAL- WATER	Surface Water	Total Hardness	IS 3025 (Part-21)
132	CHEMICAL- WATER	Surface Water	Total Suspended Solid	IS 3025 (Part-17)
133	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (Part-10)