National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENT LABORATORY, CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED, REGIONAL INSTITUTE-V, 1ST FLOOR, CMPDI OFFICE, BILASPUR, CHHATTISGARH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 22/03/2023 to 21/03/2025 **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	Aluminium	USEPA Method IO-5
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	IS 5182 (Part 25)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Arsenic	USEPA Method IO-3.5
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Arsenic	USEPA Method IO-3.5
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Cadmium	USEPA Method IO-3.2
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Cadmium	USEPA Method IO-3.5
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Copper	USEPA Method IO-3.2
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Copper	USEPA Method IO-3.5
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	FPM (PM2.5)	IS 5182 (Part 24)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Iron	USEPA Method IO-3.2
11	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Iron	USEPA Method IO-3.5
12	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead	IS 5182 (Part 22)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead	USEPA Method IO-3.5
14	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Manganese	USEPA Method IO-3.2
15	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Manganese	USEPA Method IO-3.5
16	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Mercury	USEPA Method IO-5
17	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel	USEPA Method IO-3.2
18	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel	USEPA Method IO-3.5

SCOPE OF ACCREDITATION

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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
19	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen	IS 5182 (Part 6)
20	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone	IS 5182 (Part IX)
21	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	RSPM (PM10)	IS 5182 (Part 23)
22	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Selenium	USEPA Method IO-3.5
23	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Selenium	USEPA Method IO-3.5
24	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	SPM (PM100)	IS 5182 (Part 4)
25	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide	IS 5182 (Part 2)
26	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Total Chromium	USEPA Method IO-3.2
27	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Total Chromium	USEPA Method IO-3.5
28	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Zinc	USEPA Method IO-3.2
29	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Zinc	USEPA Method IO-3.5
30	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Level	Ambient Noise Level	IS 9989
31	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Ammonical Nitrogen	APHA 4500-NH3 F (Phenate Method)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	BOD	IS 3025 (Part 44)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Boron	APHA 4500 B (Carmine Method)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	COD	APHA 5220
35	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Color	APHA 2120 C
36	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Dissolved Phosphate	APHA 4500- P C (Vanadomolybdophosphoric Acid, Colorimetric Method)

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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
37	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Free Ammonia	APHA 4500-NH3 F (Phenate Method)
38	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, leachate	Nitrate Nitrogen	APHA 4500-B (UV Spectrophotometric Method)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Oil & Grease	IS 3025 (Part 39) (Partition Gravimetric Method)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	pH	IS 3025 (Part 11)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Phenolic Compounds	APHA 5530 C (Chloroform Extraction Method)
42	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Sulfide	APHA 4500-S2 D,F (Iodometric Method)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Temperature	IS 3025 (Part 9)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Total Dissolved Solids	IS 3025 (Part 16)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Total Kjeldahl Nitrogen	APHA 4500 B (Macro Kjeldahl Method)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Total Residual Chlorine	APHA 4500 G (DPD Method)
47	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Total Suspended Solids	IS 3025 (Part 17) Gravimetric Method
48	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater- Effluents, Sewage & Leachate	Aluminium	APHA 3125
49	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater- Effluents, Sewage & Leachate	Arsenic	APHA 3125
50	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater- Effluents, Sewage & Leachate	Arsenic	IS 3025 (Part 37)
51	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater- Effluents, Sewage & Leachate	Manganese	IS 3025 (Part 59)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent & Sewage	Mercury	APHA 3125
53	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent & Sewage	Nickel	APHA 3125
54	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent & Sewage	Nickel	IS 3025 (Part 54)
55	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent & Sewage	Selenium	APHA 3125

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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
56	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent & Sewage	Selenium	IS 3025 (Part 56)
57	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent & Sewage	Total Chromium	APHA 3125
58	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent & Sewage	Total Chromium	IS 3025 (Part 52)
59	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent & Sewage	Zinc	APHA 3125
60	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent & Sewage	Zinc	IS 3025 (Part 49)
61	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage & Leachate	Manganese	APHA 3125
62	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage & Leachate	Mercury	APHA 3112 B (Cold-Vapour AAS Method)
63	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage and Leachate	Boron	APHA 3125
64	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage and Leachate	Cadmium	APHA 3113 B
65	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage and Leachate	Cadmium	APHA 3125
66	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage and Leachate	Copper	APHA 3125
67	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage and Leachate	Copper	IS 3025 (Part 42)
68	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage and Leachate	Hexavalent Chromium	APHA 3500-Cr6+. B Colorimetric Method
69	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage and Leachate	Iron	APHA 3125
70	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage and Leachate	Iron	IS 3025 (Part 53)
71	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage and Leachate	Lead	APHA 3113 B
72	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage and Leachate	Lead	APHA 3125
73	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Aluminium	APHA 3125
74	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Arsenic	APHA 3125

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENT LABORATORY, CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED, REGIONAL INSTITUTE-V, 1ST FLOOR, CMPDI OFFICE, BILASPUR, CHHATTISGARH, INDIA

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Validity 22/03/2023 to 21/03/2025 **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
75	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Arsenic	IS 3025 (Part 37)
76	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Boron	APHA 3125
77	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Boron	APHA 4500-B (Carmine Method)
78	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Cadmium	APHA 3113
79	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Cadmium	APHA 3125
80	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Copper	APHA 3125
81	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Copper	IS 3025 (Part 42)
82	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Hexavalent Chromium	APHA 3500-Cr6+ B (Colorimetric Method)
83	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Iron	APHA 3125
84	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Iron	IS 3025 (Part 53)
85	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Lead	APHA 3113
86	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Lead	APHA 3125
87	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Magnesium	APHA 3125
88	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Manganese	APHA 3125
89	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Manganese	IS 3025 (Part 59)
90	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Mercury	APHA 3112
91	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Mercury	APHA 3125
92	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Nickel	APHA 3125
93	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Nickel	IS 3025 (Part 54)

SCOPE OF ACCREDITATION

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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
94	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Selenium	APHA 3125
95	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Selenium	IS 3025 (Part 56)
96	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Total Chromium	APHA 3125
97	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Total Chromium	IS 3025 (Part 52)
98	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Zinc	APHA 3125
99	CHEMICAL- RESIDUES IN WATER	Drinking Water, Surface Water, Ground Water	Zinc	IS 3025 (Part 49)
100	CHEMICAL- WATER	Drinking Water	Alkalinity	IS 3025 (Part 23)
101	CHEMICAL- WATER	Drinking Water	Bicarbonates	IS 3025 (Part 51)
102	CHEMICAL- WATER	Drinking Water	BOD	IS 3025 (Part 44)
103	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (Part 40)
104	CHEMICAL- WATER	Drinking Water	Carbonates	IS 3025 (Part 51)
105	CHEMICAL- WATER	Drinking Water	Chlorides	IS 3025(Part 32)
106	CHEMICAL- WATER	Drinking Water	COD	APHA 5220
107	CHEMICAL- WATER	Drinking Water	Colour	APHA 2120 C
108	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	IS 3025 (Part 38)
109	CHEMICAL- WATER	Drinking Water	Fluoride	APHA 4500-F D (SPADNS Method)
110	CHEMICAL- WATER	Drinking Water	Free Ammonia	APHA 4500-NH3 F (Phenate Method)
111	CHEMICAL- WATER	Drinking Water	Free Residual Chlorine	APHA 4500 G
112	CHEMICAL- WATER	Drinking Water	Nitrate	APHA 4500 B
113	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
114	CHEMICAL- WATER	Drinking Water	Oil & Grease	IS 3025 (Part 39)
115	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
116	CHEMICAL- WATER	Drinking Water	Phenolic Compounds	APHA 5530 C
117	CHEMICAL- WATER	Drinking Water	Sulfate	APHA 4500-SO42 E (Turbidimetric Method)
118	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)

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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
119	CHEMICAL- WATER	Drinking Water	Total Hardness	IS 3025 (Part 21) EDTA Method
120	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	IS 3025 (Part 17)
121	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
122	CHEMICAL- WATER	Ground Water	Alkalinity	IS 3025 (Part 23)
123	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen	APHA 4500-NH3 F
124	CHEMICAL- WATER	Ground Water	Bicarbonates	IS 3025 (Part 51)
125	CHEMICAL- WATER	Ground Water	BOD	IS 3025 (Part 44)
126	CHEMICAL- WATER	Ground Water	Calcium	IS 3025 (Part 40)
127	CHEMICAL- WATER	Ground Water	Carbonates	IS 3025 (Part 51)
128	CHEMICAL- WATER	Ground Water	Chloride	IS 3025 (Part 32)
129	CHEMICAL- WATER	Ground Water	Colour	APHA 2120 C
130	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	IS 3025 (Part 38)
131	CHEMICAL- WATER	Ground Water	Fluoride	APHA 4500-F D (SPADNS Method)
132	CHEMICAL- WATER	Ground Water	Free Ammonia	APHA 4500- NH3 F
133	CHEMICAL- WATER	Ground Water	Free Residual Chlorine	APHA 4500 G
134	CHEMICAL- WATER	Ground Water	Nitrate	APHA 4500 B
135	CHEMICAL- WATER	Ground Water	Odour	IS 3025 (Part 5)
136	CHEMICAL- WATER	Ground Water	Oil & Grease	IS 3025(Part 39)
137	CHEMICAL- WATER	Ground Water	pH	IS 3025 (Part 11)
138	CHEMICAL- WATER	Ground Water	Phenolic Compounds	APHA 5530 C
139	CHEMICAL- WATER	Ground Water	Sulfate	APHA 4500-SO42 E
140	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025 (Part 16)
141	CHEMICAL- WATER	Ground Water	Total Hardness	IS 3025 (Part 21)
142	CHEMICAL- WATER	Ground Water	Total Suspended Solids	IS 3025 (Part 17)
143	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part 10)
144	CHEMICAL- WATER	Surface Water	Alkalinity	IS 3025 (Part 23)
145	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen	APHA 4500- NH3 F
146	CHEMICAL- WATER	Surface Water	Bicarbonates	IS 3025 (Part 51)
147	CHEMICAL- WATER	Surface Water	BOD	IS 3025 (Part 44)
148	CHEMICAL- WATER	Surface Water	Calcium	IS 3025 (Part 40)

SCOPE OF ACCREDITATION

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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
149	CHEMICAL- WATER	Surface Water	Carbonates	IS 3025 (Part 51)
150	CHEMICAL- WATER	Surface Water	Chlorides	IS 3025 (Part 32)
151	CHEMICAL- WATER	Surface Water	COD	APHA 5220
152	CHEMICAL- WATER	Surface Water	Colour	APHA 2120 C
153	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	IS 3025 (Part 38)
154	CHEMICAL- WATER	Surface Water	Fluoride	APHA 4500-F D
155	CHEMICAL- WATER	Surface Water	Free Ammonia	APHA 4500- NH3 F
156	CHEMICAL- WATER	Surface Water	Nitrate	APHA 4500 B
157	CHEMICAL- WATER	Surface Water	Odour	IS 3025 (Part 5)
158	CHEMICAL- WATER	Surface Water	Oil & Grease	IS 3025 (Part 39)
159	CHEMICAL- WATER	Surface Water	pH	IS 3025 (Part 11)
160	CHEMICAL- WATER	Surface Water	Phenolic Compounds	APHA 5530 C
161	CHEMICAL- WATER	Surface Water	Sulfate	APHA 4500- SO42- E
162	CHEMICAL- WATER	Surface Water	Temperature	IS 3025 (Part 9)
163	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	IS 3025 (Part 16)
164	CHEMICAL- WATER	Surface Water	Total Hardness	IS 3025 (Part 21)
165	CHEMICAL- WATER	Surface Water	Total Residual Chlorine	APHA 4500 G
166	CHEMICAL- WATER	Surface Water	Total Suspended Solids	IS 3025 (Part 17)
167	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (Part 10)

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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
Site Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	IS 5182 (Part 25)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Arsenic	USEPA Method IO-3.5
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Cadmium	USEPA Method IO-3.2
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Copper	USEPA Method IO-3.2
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	FPM (PM2.5)	IS 5182 (Part 24)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Iron	USEPA Method IO-3.2
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead	IS 5182 (Part 22)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Manganese	USEPA Method IO-3.2
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel	USEPA Method IO-3.2
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen	IS 5182 (Part 6)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone	IS 5182 (Part IX)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	RSPM (PM10)	IS 5182 (Part 23)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Selenium	USEPA Method IO-3.5
14	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	SPM (PM100)	IS 5182 (Part 4)
15	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide	IS 5182 (Part 2)
16	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Total Chromium	USEPA Method IO-3.2
17	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Zinc	USEPA Method IO-3.2
18	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Level	Ambient Noise Level	IS 9989

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Ammonical Nitrogen	APHA 4500-NH3 F (Phenate Method)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	BOD	IS 3025 (Part 44)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Boron	APHA 4500 B (Carmine Method)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	COD	APHA 5220
23	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Color	APHA 2120 C
24	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Dissolved Phosphate	APHA 4500- P C (Vanadomolybdophosphoric Acid, Colorimetric Method)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Free Ammonia	APHA 4500-NH3 F (Phenate Method)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, leachate	Nitrate Nitrogen	APHA 4500-B (UV Spectrophotometric Method)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Oil & Grease	IS 3025 (Part 39) (Partition Gravimetric Method)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	pH	IS 3025 (Part 11)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Phenolic Compounds	APHA 5530 C (Chloroform Extraction Method)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Sulfide	APHA 4500-S2 D,F (Iodometric Method)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Temperature	IS 3025 (Part 9)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Total Dissolved Solids	IS 3025 (Part 16)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Total Kjeldahl Nitrogen	APHA 4500 B (Macro Kjeldahl Method)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Total Residual Chlorine	APHA 4500 G (DPD Method)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Leachate	Total Suspended Solids	IS 3025 (Part 17) Gravimetric Method
36	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater- Effluents, Sewage & Leachate	Arsenic	IS 3025 (Part 37)

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENT LABORATORY, CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED, REGIONAL INSTITUTE-V, 1ST FLOOR, CMPDI OFFICE, BILASPUR, CHHATTISGARH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7401 **Page No** 11 of 11

Validity 22/03/2023 to 21/03/2025 **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
37	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater- Effluents, Sewage & Leachate	Manganese	IS 3025 (Part 59)
38	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent & Sewage	Nickel	IS 3025 (Part 54)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent & Sewage	Selenium	IS 3025 (Part 56)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent & Sewage	Total Chromium	IS 3025 (Part 52)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent & Sewage	Zinc	IS 3025 (Part 49)
42	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage & Leachate	Mercury	APHA 3112 B (Cold-Vapour AAS Method)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage and Leachate	Cadmium	APHA 3113 B
44	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage and Leachate	Copper	IS 3025 (Part 42)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage and Leachate	Hexavalent Chromium	APHA 3500-Cr6+. B Colorimetric Method
46	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage and Leachate	Iron	IS 3025 (Part 53)
47	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater-Effluent, Sewage and Leachate	Lead	APHA 3113 B
48	CHEMICAL- WATER	Drinking Water	Free Residual Chlorine	APHA 4500 G
49	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
50	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
51	CHEMICAL- WATER	Ground Water	Free Residual Chlorine	APHA 4500 G
52	CHEMICAL- WATER	Ground Water	Odour	IS 3025 (Part 5)
53	CHEMICAL- WATER	Ground Water	pH	IS 3025 (Part 11)
54	CHEMICAL- WATER	Surface Water	Odour	IS 3025 (Part 5)
55	CHEMICAL- WATER	Surface Water	pH	IS 3025 (Part 11)
56	CHEMICAL- WATER	Surface Water	Temperature	IS 3025 (Part 9)
57	CHEMICAL- WATER	Surface Water	Total Residual Chlorine	APHA 4500 G