National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MIN MEC R & D LABORATORY, A- 121, PARYAVARAN COMPLEX, IGNOU ROAD, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6337 **Page No** 1 of 6

Validity 17/03/2022 to 16/03/2024 **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	Lab SOP/09/8, Issue 03
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Fine Particulate Matter (PM 2.5)	Lab SOP/09/6,Issue 03
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Di-Oxide (NO2)	IS 5182 (Part 6)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone	Lab SOP/09/7,Issue 03
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Respirable Particulate Matter (PM10)	IS 5182 (Part 23)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Di Oxide (SO2)	IS 5182 (Part 2)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Suspended Particulate Matter (SPM)	IS 5182 (Part – 4)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Level	Ambient Noise Level	Lab SOP/14, Issue 03
9	CHEMICAL- ATMOSPHERIC POLLUTION	Micro-Meteorology	Relative Humidity	Lab SOP/14, Issue 03
10	CHEMICAL- ATMOSPHERIC POLLUTION	Micro-Meteorology	Temperature	Lab SOP/14, Issue 03
11	CHEMICAL- ATMOSPHERIC POLLUTION	Micro-Meteorology	Wind Direction	Lab SOP/14, Issue 03
12	CHEMICAL- ATMOSPHERIC POLLUTION	Micro-Meteorology	Wind Speed	Lab SOP/14, Issue 03
13	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise Level	Source Noise Level	Lab SOP/14, Issue 03
14	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/sediments	Calcium carbonate	IS 2720 (Part 23)
15	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Electrical Conductivity (EC)	IS 14767
16	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	pH	IS 2720 (Part 26)
17	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/sediments	Potassium, available	Lab SOP/12/8, Issue 03
18	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/sediments	Sodium, available	Lab SOP/12/7, Issue 03

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Soil moisture	IS 2720 (Part 2)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/sediments	Specific gravity	IS 2720 (Part 3/ Sec 2)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Acidity	IS 3025 (Part 22)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Alkalinity	APHA 23rd Ed. 2320 B
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammoniacal nitrogen-NH3	APHA 23rd Ed. 4500-NH3 C.
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Biochemical oxygen demand	IS 3025 (Part 44)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium as Ca	IS 3025 (Part 40)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Carbonate and Bicarbonate	IS 3025 (Part 51)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand (COD)	APHA 23rd Ed. 5220 D
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride as Cl	IS 3025 (Part 32)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved oxygen	IS 3025 (Part 38)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluoride as F	APHA 23rd Ed. 4500-F^- D.
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Hexavalent chromium	APHA 23rd Ed. 3500-Cr B.
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium as Mg	IS 3025 (Part 46)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrate as NO3	APHA 23rd Ed. 4500 – $NO3^-$ B.
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrite	APHA 23rd Ed. 4500-$NO2^-$ B.
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	IS 3025 (Part 39)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH value	IS 3025 (Part 11)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphate, PO4	IS 3025 (Part 31)

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38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphorous as P	IS 3025 (Part 31)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium	IS 3025 (Part 45)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Settleable solids	APHA 23rd Ed. 2540 F.
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium	IS 3025 (Part 45)
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Specific conductance	IS 3025 (Part 14)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate	IS 3025 (Part 24)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphide	APHA 23rd Ed. 4500-S2- F
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphite	IS 3025 (Part 28)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Temperature	IS 3025 (Part 9)
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total dissolved solids	IS 3025 (Part 16)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Hardness as CaCO3	IS 3025 (Part 21)
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Kjeldhal Nitrogen	APHA 23rd Ed. 4500-Norg C.
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total residue (Total solids – Dissolved and Suspended)	IS 3025 (Part 15)
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total suspended solids	IS 3025 (Part 17)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Volatile and fixed residue (Total filterable and non filterable)	IS 3025 (Part 18)
53	CHEMICAL- WATER	Drinking Water	Acidity	IS 3025 (Part 22)
54	CHEMICAL- WATER	Drinking Water	Alkalinity	APHA 23rd Ed. 2320 B.
55	CHEMICAL- WATER	Drinking Water	Ammoniacal nitrogen-NH3	APHA 23rd Ed. 4500-NH3 C.
56	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS 3025 (Part 40)
57	CHEMICAL- WATER	Drinking Water	Carbonate and Bicarbonate	IS 3025 (Part 51)
58	CHEMICAL- WATER	Drinking Water	Chloride as Cl	IS 3025 (Part 32)

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59	CHEMICAL- WATER	Drinking Water	Fluoride as F	APHA 23rd Ed. 4500-F¯ D.
60	CHEMICAL- WATER	Drinking Water	Free residual chlorine	IS 3025 (Part 26)
61	CHEMICAL- WATER	Drinking Water	Hexavalent chromium	APHA 23rd Ed. 3500-Cr B.
62	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	IS 3025 (Part 46)
63	CHEMICAL- WATER	Drinking Water	Nitrate as NO3	APHA 23rd Ed. 4500 – NO3¯ B.
64	CHEMICAL- WATER	Drinking Water	Nitrite	APHA 23rd Ed. 4500-NO2¯ B.
65	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
66	CHEMICAL- WATER	Drinking Water	pH value	IS 3025 (Part 11)
67	CHEMICAL- WATER	Drinking Water	Phosphorous as P	IS 3025 (Part 31)
68	CHEMICAL- WATER	Drinking Water	Potassium	IS 3025 (Part 45)
69	CHEMICAL- WATER	Drinking Water	Sodium	IS 3025 (Part 45)
70	CHEMICAL- WATER	Drinking Water	Specific conductance	IS 3025 (Part 14)
71	CHEMICAL- WATER	Drinking Water	Sulphate	IS 3025 (Part 24)
72	CHEMICAL- WATER	Drinking Water	Temperature	IS 3025 (Part 9)
73	CHEMICAL- WATER	Drinking Water	Total dissolved solids	IS 3025 (Part 16)
74	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	IS 3025 (Part 21)
75	CHEMICAL- WATER	Drinking Water	Total residue (Total solids – Dissolved and Suspended)	IS 3025 (Part 15)
76	CHEMICAL- WATER	Drinking Water	Total suspended solids	IS 3025 (Part 17)
77	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
78	CHEMICAL- WATER	Drinking Water	Volatile and fixed residue (Total filterable and non filterable)	IS 3025 (Part 18)
79	CHEMICAL- WATER	Ground Water	Acidity	IS 3025 (Part 22)
80	CHEMICAL- WATER	Ground Water	Alkalinity	APHA 23rd Ed. 2320 B.
81	CHEMICAL- WATER	Ground Water	Ammoniacal nitrogen-NH3	APHA 23rd Ed. 4500-NH3 C.
82	CHEMICAL- WATER	Ground Water	Calcium as Ca	IS 3025 (Part 40)
83	CHEMICAL- WATER	Ground Water	Carbonate and Bicarbonate	IS 3025 (Part 51)
84	CHEMICAL- WATER	Ground Water	Chloride as Cl	IS 3025 (Part 32)
85	CHEMICAL- WATER	Ground Water	Fluoride as F	APHA 23rd Ed. 4500-F¯ D.
86	CHEMICAL- WATER	Ground Water	Hexavalent chromium	APHA 23rd Ed. 3500-Cr B.
87	CHEMICAL- WATER	Ground Water	Magnesium as Mg	IS 3025 (Part 46)

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88	CHEMICAL- WATER	Ground Water	Nitrate as NO3	APHA 23rd Ed. 4500 – NO_3^- B
89	CHEMICAL- WATER	Ground Water	Nitrite	APHA 23rd Ed. 4500-NO_2^- B.
90	CHEMICAL- WATER	Ground Water	Odour	IS 3025 (Part 5)
91	CHEMICAL- WATER	Ground Water	pH value	IS 3025 (Part 11)
92	CHEMICAL- WATER	Ground Water	Phosphate, PO4	IS 3025 (Part 31)
93	CHEMICAL- WATER	Ground Water	Phosphorous as P	IS 3025 (Part 31)
94	CHEMICAL- WATER	Ground Water	Potassium	IS 3025 (Part 45)
95	CHEMICAL- WATER	Ground Water	Sodium	IS 3025 (Part 45)
96	CHEMICAL- WATER	Ground Water	Specific conductance	IS 3025 (Part 14)
97	CHEMICAL- WATER	Ground Water	Sulphate	IS 3025 (Part 24)
98	CHEMICAL- WATER	Ground Water	Temperature	IS 3025 (Part 9)
99	CHEMICAL- WATER	Ground Water	Total dissolved solids	IS 3025 (Part 16)
100	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	IS 3025 (Part 21)
101	CHEMICAL- WATER	Ground Water	Total residue (Total solids – Dissolved and Suspended)	IS 3025 (Part 15)
102	CHEMICAL- WATER	Ground Water	Total suspended solids	IS 3025 (Part 17)
103	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part 10)
104	CHEMICAL- WATER	Ground Water	Volatile and fixed residue (Total filterable and non filterable)	IS 3025 (Part 18)
105	CHEMICAL- WATER	Surface Water	Acidity	IS 3025 (Part 22)
106	CHEMICAL- WATER	Surface Water	Alkalinity	APHA 23rd Ed. 2320 B.
107	CHEMICAL- WATER	Surface Water	Ammoniacal nitrogen-NH3	APHA 23rd Ed. 4500-NH3 C.
108	CHEMICAL- WATER	Surface Water	Biochemical oxygen demand	IS 3025 (Part 44)
109	CHEMICAL- WATER	Surface Water	Calcium as Ca	IS 3025 (Part 40)
110	CHEMICAL- WATER	Surface Water	Carbonate and Bicarbonate	IS 3025 (Part 51)
111	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand (COD)	APHA 23rd Ed. 5220 D
112	CHEMICAL- WATER	Surface Water	Chloride as Cl	IS 3025 (Part 32)
113	CHEMICAL- WATER	Surface Water	Dissolved oxygen	IS 3025 (Part 38)
114	CHEMICAL- WATER	Surface Water	Fluoride as F	APHA 23rd Ed. 4500-F^- D.
115	CHEMICAL- WATER	Surface Water	Hexavalent chromium	APHA 23rd Ed. 3500-Cr B.

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116	CHEMICAL- WATER	Surface Water	Magnesium as Mg	IS 3025 (Part 46)
117	CHEMICAL- WATER	Surface Water	Nitrate as NO3	APHA 23rd Ed. 4500 – NO_3^- B.
118	CHEMICAL- WATER	Surface Water	Nitrite	APHA 23rd Ed. 4500-NO_2^- B.
119	CHEMICAL- WATER	Surface Water	Odour	IS 3025 (Part 5)
120	CHEMICAL- WATER	Surface Water	Oil & Grease	IS 3025 (Part 39)
121	CHEMICAL- WATER	Surface Water	pH value	IS 3025 (Part 11)
122	CHEMICAL- WATER	Surface Water	Phosphate, PO4	IS 3025 (Part 31)
123	CHEMICAL- WATER	Surface Water	Phosphorous as P	IS 3025 (Part 31)
124	CHEMICAL- WATER	Surface Water	Potassium	IS 3025 (Part 45)
125	CHEMICAL- WATER	Surface Water	Settleable solids	APHA 23rd Ed. 2540 F.
126	CHEMICAL- WATER	Surface Water	Sodium	IS 3025 (Part 45)
127	CHEMICAL- WATER	Surface Water	Specific conductance	IS 3025 (Part 14)
128	CHEMICAL- WATER	Surface Water	Sulphate	IS 3025 (Part 24)
129	CHEMICAL- WATER	Surface Water	Temperature	IS 3025 (Part 9)
130	CHEMICAL- WATER	Surface Water	Total dissolved solids	IS 3025 (Part 16)
131	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	IS 3025 (Part 21)
132	CHEMICAL- WATER	Surface Water	Total residue (Total solids – Dissolved and Suspended)	IS 3025 (Part 15)
133	CHEMICAL- WATER	Surface Water	Total suspended solids	IS 3025 (Part 17)
134	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (Part 10)
135	CHEMICAL- WATER	Surface Water	Volatile and fixed residue (Total filterable and non filterable)	IS 3025 (Part 18)