National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : J.P. TEST & RESEARCH CENTRE, 4/54, SITE IV, SAHIBABAD INDUSTRIAL AREA, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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
Permanent Facility				
1	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Effluents / Waste Water	E.coli	IS 1622
2	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Effluents/ Waste Water	Faecal coliform	IS 1622
3	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Effluents/Waste Water	Total Coliform	IS 1622
4	BIOLOGICAL- WATER	Drinking Water	E.coli	IS 1622
5	BIOLOGICAL- WATER	Drinking Water	Faecal coliform	IS 1622
6	BIOLOGICAL- WATER	Drinking Water	Standard Plate Count	IS 1622
7	BIOLOGICAL- WATER	Drinking Water	Total Coliform	IS 1622
8	BIOLOGICAL- WATER	Ground Water	Standard Plate Count	IS 1622
9	BIOLOGICAL- WATER	Ground water / Surface Water	E.coli	IS 1622
10	BIOLOGICAL- WATER	Ground water / Surface Water	Total Coliform	IS 1622
11	BIOLOGICAL- WATER	Ground Water/ Surface Water	Faecal coliform	IS 1622
12	BIOLOGICAL- WATER	Water	Coliform	IS: 15185
13	BIOLOGICAL- WATER	water	E.coli	IS 15185
14	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Ammonia (NH_3)	IS 5182 Pt 25
15	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead(Pb)	IS 5182 (Part 22)
16	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel (Ni)	JPT/CH/SOP/AIR 08 (issue 01.10.2015)
17	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxides (NO_2)	IS 5182 (Part 6)
18	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone (O_3)	IS 5182 (Part 9)
19	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matters, PM 2.5	IS 5182 Pt 24
20	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Respirable Suspended Particulate Matter, PM10	IS 5182 (Part 23)
21	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO_2)	IS 5182 (Part 2)

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22	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Level	Ambient Noise Level	IS 9989
23	CHEMICAL- ATMOSPHERIC POLLUTION	Machine Noise	DG Set Noise	IS 4758
24	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Dioxide (CO2)	IS 13270
25	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Monoxide (CO)	IS 13270
26	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen (NOX as NO2)	IS 11255 (Part 7)
27	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxygen (O2)	IS 13270
28	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter (PM)	IS 11255 (Part 1)
29	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide (SO2)	IS 11255 (Part 2)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Nickel	JPT/CH/SOP/SIL 20
31	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Cadmium as cd	JPT/CH/SOP/SIL 20
32	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Conductivity	IS 14767
33	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Copper	JPT/CH/SOP/SIL 20
34	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	DTPA Extractable Copper	JPT/CH/SOP/SIL 19
35	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	DTPA Extractable Iron	JPT/CH/SOP/SIL 19
36	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	DTPA extractable Manganese	JPT/CH/SOP/SIL 19
37	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	DTPA Extractable Zinc	JPT/CH/SOP/SIL 19
38	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Exchangeable Calcium	JPT/CH/SOP/SIL 05
39	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Exchangeable Magnesium	JPT/CH/SOP/SIL 06
40	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Exchangeable Potassium	JPT/CH/SOP/SIL 07

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41	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Exchangeable Sodium	JPT/CH/SOP/SIL 08
42	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Iron	JPT/CH/SOP/SIL 20
43	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Manganese	JPT/CH/SOP/SIL 20
44	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Moisture	IS 2720 (Part 2)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Matter	IS 2720 (Part 22)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	pH	IS 2720 (Part 26)
47	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Phosphorous (Olsen	JPT/CH/SOP/SIL 09
48	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Zinc	JPT/CH/SOP/SIL 20
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Alkalinity (phenolphthalein & Methyl Orange)	IS: 3025 (Part-23)
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Cadmium(Cd)	APHA 23rd Ed.,3111
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Chemical Oxygen Demand	IS 3025 (Part 58)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Copper (as Cu)	APHA 23rd Ed., 3111
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Dissolved Oxygen	IS 3025 (Part 38)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Iron (as Fe)	APHA 23rd Ed., 3111
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Lead as Pb	APHA 23rd Ed.,3111
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Manganese (as Mn)	APHA 23rd Ed., 3111
57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Nickel (as Ni)	APHA 23rd Ed., 3111
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Nitrite	IS 3025 (Part 34) sec4
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Oil and Grease	IS 3025 (Part 39)

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60	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	pH	IS 3025 (Part 11) sec2
61	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Phosphate	IS 3025 (Part 31)
62	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Specific Conductivity	IS 3025 (Part 14)
63	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Sulphide as S	APHA 23rd Ed, 4500-S
64	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Chromium	APHA 23rd Ed, 3111 (D)
65	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Dissolved Solids	IS 3025 (Part 16)
66	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Hardness	IS: 3025 (Part-21)
67	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Suspended Solids	IS 3025 (Part 17)
68	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Zinc (as Zn)	APHA 23rd Ed., 3111
69	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/ Sewage)	Total kjeldahl Nitrogen (TKN)	IS 3025 (Part 34)
70	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chloride	IS: 3025 (Part-32)
71	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphate (as SO4)	IS 3025 (Part 24)
72	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ammonical Nitrogen	IS 3025 (P-34)
73	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chromium (Hexavalent)	IS 3025 (P-52)
74	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fluoride	APHA 23rd ED, 4500F (D)
75	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrate as NO3-N	IS 3025(P 34)
76	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effuents/Sewage)	Biological Oxygen Demand At 270C For 3 Days	IS 3025 (Part 44)
77	CHEMICAL- RESIDUES IN WATER	Drinking Water	Cadmium as Cd	APHA 23rd Ed., 3111
78	CHEMICAL- RESIDUES IN WATER	Drinking Water	Chromium (Total)	APHA 23rd Ed., 3111

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79	CHEMICAL- RESIDUES IN WATER	Drinking Water	Copper (Cu)	APHA 23rd Ed., 3111
80	CHEMICAL- RESIDUES IN WATER	Drinking Water	Iron as Fe	APHA 23rd Ed., 3111
81	CHEMICAL- RESIDUES IN WATER	Drinking Water	Lead as Pb	APHA 23rd Ed., 3111
82	CHEMICAL- RESIDUES IN WATER	Drinking Water	Manganese as Mn	APHA 23rd Ed., 3111
83	CHEMICAL- RESIDUES IN WATER	Drinking Water	Nickel as Ni	APHA 23rd Ed., 3111
84	CHEMICAL- RESIDUES IN WATER	Drinking water	Zinc as Zn	APHA 23rd Ed., 3111
85	CHEMICAL- WATER	Drinking Water	Alkalinity	IS 3025 (Part 23)
86	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS 3025 (Part 40)
87	CHEMICAL- WATER	Drinking Water	Chloride as Cl	IS 3025 (Part 32)
88	CHEMICAL- WATER	Drinking Water	Chlorine Residual	IS 3025 (Part 26)
89	CHEMICAL- WATER	Drinking Water	Chlorine Residual	IS 3025 (Part 26)
90	CHEMICAL- WATER	Drinking Water	Chromium (Hexavalent)	IS 3025 (Part 52)
91	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part 4)
92	CHEMICAL- WATER	Drinking Water	Fluoride (F)	APHA 23rd Ed, 4500F (D)
93	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	APHA 23rd Ed., 3500 Mg(B)
94	CHEMICAL- WATER	Drinking Water	Nitrate (NO3)	IS 3025 (Part 34) sec 3.4
95	CHEMICAL- WATER	Drinking Water	Nitrate (NO3)	IS 3025 (Part 34) sec3.3
96	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
97	CHEMICAL- WATER	Drinking Water	Specific Conductivity	IS 3025 (Part-14)
98	CHEMICAL- WATER	Drinking Water	Sulphate as SO4	IS 3025 (Part 24)
99	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)
100	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	IS 3025 (Part 21)
101	CHEMICAL- WATER	Drinking Water	Turbidity	IS: 3025 (Part-10)
102	CHEMICAL- WATER	Ground Water	Acidity as CaCO3	IS 3025 (Part 22)
103	CHEMICAL- WATER	Ground Water	Alkalinity (Total & Phenophthalein)	IS 3025 (Part 23)
104	CHEMICAL- WATER	Ground Water	Calcium as Ca	IS 3025 (Part 40)

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105	CHEMICAL- WATER	Ground Water	Chloride as Cl	IS 3025 (Part 32)
106	CHEMICAL- WATER	Ground Water	Chromium (Hexavalent)	IS 3025 (Part 52)
107	CHEMICAL- WATER	Ground Water	Colour	IS 3025 (Part 4)
108	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	IS 3025 (Part 38)
109	CHEMICAL- WATER	Ground Water	Fluoride as F	APHA 23rd Ed, 4500F (D)
110	CHEMICAL- WATER	Ground Water	Magnesium as Mg	APHA 23rd Ed., 3500 Mg(B)
111	CHEMICAL- WATER	Ground Water	Nitrate as NO3	IS 3025 (Part 34) sec 3.3
112	CHEMICAL- WATER	Ground Water	Nitrate as NO3	IS 3025 (Part 34) sec 3.4
113	CHEMICAL- WATER	Ground Water	pH	IS 3025 (Part 11)
114	CHEMICAL- WATER	Ground Water	Potassium as K	IS 3025 (Part 45)
115	CHEMICAL- WATER	Ground Water	Sodium as Na	IS 3025 (Part 45)
116	CHEMICAL- WATER	Ground Water	Sulphate as SO4	IS 3025 (Part 24)
117	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025 (Part 16)
118	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	IS 3025 (Part 21)
119	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part 10)
120	CHEMICAL- WATER	Surface Water	Acidity as CaCO3	IS 3025 (Part 22)
121	CHEMICAL- WATER	Surface Water	Alkalinity	IS 3025 (Part 23)
122	CHEMICAL- WATER	Surface Water	Biological Oxygen Demand At 270C For 3 Days	IS 3025 (Part 44)
123	CHEMICAL- WATER	Surface Water	Calcium as Ca	IS 3025 (Part 40)
124	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	IS 3025 (Part 58)
125	CHEMICAL- WATER	Surface Water	Chloride as Cl	IS 3025 (Part 32)
126	CHEMICAL- WATER	Surface Water	Chlorine Residual	IS 3025 (Part 26)
127	CHEMICAL- WATER	Surface Water	Chromium (Hexavalent)	IS 3025 (Part 52)
128	CHEMICAL- WATER	Surface Water	Colour	IS 3025 (Part 4)
129	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	IS 3025 (Part 38)
130	CHEMICAL- WATER	Surface Water	Fluoride as F	APHA 23rd Ed, 4500F (D)
131	CHEMICAL- WATER	Surface water	Magnesium as Mg	APHA 23rd Ed., 3500 Mg(B)
132	CHEMICAL- WATER	Surface Water	Nitrate as NO3	IS 3025 (Part 34) sec 3.3
133	CHEMICAL- WATER	Surface Water	Nitrate as NO3	IS 3025 (Part 34) sec 3.4

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134	CHEMICAL- WATER	Surface Water	Oil & Grease	IS: 3025 (Part-39) Gravimetric Method
135	CHEMICAL- WATER	Surface Water	pH	IS 3025 (Part 11)
136	CHEMICAL- WATER	Surface Water	Potassium as K	IS 3025 (Part 45)
137	CHEMICAL- WATER	Surface Water	Sodium as Na	IS 3025 (Part 45)
138	CHEMICAL- WATER	Surface Water	Sulphate as SO4	IS 3025 (Part 24)
139	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	IS 3025 (Part 16)
140	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	IS 3025 (Part 21)
141	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (Part 10)
142	CHEMICAL- WATER	Water for construction purpose	Chloride	IS 3025 (Part 32)
143	CHEMICAL- WATER	Water For Construction Purpose	Fixed (Inorganic) Solids	IS 3025 (Part 18)
144	CHEMICAL- WATER	Water For Construction Purpose	Neutralization Value With 0.02 N H2SO4	IS 3025 (Part 23)
145	CHEMICAL- WATER	Water For Construction Purpose	Neutralization Value With 0.02 N NaOH	IS 3025 (Part 22)
146	CHEMICAL- WATER	Water For Construction Purpose	pH	IS 3025 (Part 11)
147	CHEMICAL- WATER	Water For Construction Purpose	Sulphate (SO3)	IS 3025 (Part 24)
148	CHEMICAL- WATER	Water For Construction Purpose	Total Suspended Solids	IS 3025 (Part 17)
149	CHEMICAL- WATER	Water For Construction Purpose	Volatile Solids (Organic Solids)	IS 3025 (Part 18)
150	CHEMICAL- WATER	Water for Swimming Pool	Residual Free Chlorine	IS 3025 (Part 26)
151	CHEMICAL- WATER	Water for Swimming Pool	Alkalinity	IS 3025 (Part 23)
152	CHEMICAL- WATER	Water for Swimming Pool	Aluminum	APHA 23rd Ed., 3500
153	CHEMICAL- WATER	Water for Swimming Pool	Chloride	IS 3025 (Part 32)
154	CHEMICAL- WATER	Water for Swimming Pool	Color	IS 3025 (Part 4)
155	CHEMICAL- WATER	Water for Swimming Pool	Iron as Fe	APHA 23rd Ed., 3111
156	CHEMICAL- WATER	Water for Swimming Pool	Oxygen Absorbed	IS 3025 (Part 63)
157	CHEMICAL- WATER	Water for Swimming Pool	pH	IS 3025 (Part 11)
158	CHEMICAL- WATER	Water for Swimming Pool	Total Dissolved Solids	IS 3025 (Part 16)
159	CHEMICAL- WATER	Water for Swimming Pool	Turbidity	IS 3025 (Part 10)