National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CENTRE FOR INDUSTRIAL TESTING AND RESEARCH ORGANIZATION, VILLAGE: JAWAHARPUR, DERA BASSI, S.A.S NAGAR, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 17/11/2022 to 16/11/2024 **Last Amended on** 31/01/2023

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 (as NH3)	IS 5182 (Part 25)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide (NO2)	IS 5182 (Part 6)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone	IS 5182 (Part 9)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM2.5)	IS 5182 (Part 24)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Respirable Suspended Particulate Matter (PM10)	IS 5182 (Part 23)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO2)	IS 5182 (Part 2)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels	Ambient Noise Monitoring Leq dB (A)	IS 9989
8	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise Levels DG Sets	Insertion Loss	IS 4758
9	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise levels DG Sets	Leq dB (A)	IS/ ISO 8528 (Part 10)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Ammonia (NH3)	IS 11255 (Part 6) (Titrimetric)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen (NO2)	IS 11255 (Part 7) (Colorimetric)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter (PM)	IS 11255 (Part 1) (Gravimetric) & IS: 11255 (Part 3)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide (SO2)	IS 11255 (Part 2)
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Total Fluoride (F)	IS 11255 (Part 5)
15	CHEMICAL- PLASTIC & RESINS	Food Packaging Materials	Colour Migration	IS 9845
16	CHEMICAL- PLASTIC & RESINS	Food Packaging Materials	Over all Migration in Food stimulant 'B' (3% Acetic Acid)	IS 9845
17	CHEMICAL- PLASTIC & RESINS	Food Packaging Materials	Over all Migration in Food stimulant 'B' (3% Acetic Acid)	IS 9845
18	CHEMICAL- PLASTIC & RESINS	Food Packaging Materials	Over all Migration in Food stimulant 'C-2' (50% Ethanol)	IS 9845

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19	CHEMICAL- PLASTIC & RESINS	Food Packaging Materials	Over all Migration in Food stimulant 'C-2' (50% Ethanol)	IS 9845
20	CHEMICAL- PLASTIC & RESINS	Food Packaging Materials	Overall Migration in Simulant 'D' (n- Heptane)	IS 9845
21	CHEMICAL- PLASTIC & RESINS	Food Packaging Materials	Overall Migration in Simulant 'D' (n- Heptane)	IS 9845
22	CHEMICAL- PLASTIC & RESINS	Food Packaging Materials	Overall Migration in Simulant 'A' (Double Distilled Water)	IS 9845
23	CHEMICAL- PLASTIC & RESINS	Food Packaging Materials	Overall Migration in Simulant 'A' (Double Distilled Water)	IS 9845
24	CHEMICAL- PLASTIC & RESINS	Food Packaging Materials	Overall Migration in Simulant 'C-1' (10% Ethanol)	IS 9845
25	CHEMICAL- PLASTIC & RESINS	Food Packaging Materials	Overall Migration in Simulant 'C-1' (10% Ethanol)	IS 9845
26	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Phosphorus	"Method Manual-Soil Testing in India", Department of Agriculture & Cooperation, Ministry of Agriculture, GOI Jan 2011
27	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Potassium	"Method Manual-Soil Testing in India", Department of Agriculture & Cooperation, Ministry of Agriculture, GOI Jan 2011
28	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Calcium	"Method Manual-Soil Testing in India", Department of Agriculture & Cooperation, Ministry of Agriculture, GOI, Jan 2011
29	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Conductivity	IS 14767
30	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	LOI	CITRO/QC/STP/009 Issue No. 01 September 28
31	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Magnesium	"Method Manual-Soil Testing in India", Department of Agriculture & Cooperation, Ministry of Agriculture, GOI Jan 2011

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32	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Moisture	"Method Manual-Soil Testing in India", Department of Agriculture & Cooperation, Ministry of Agriculture, GOI Jan 2011
33	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Nitrogen	IS 14684
34	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Carbon	IS 2720
35	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Matter	IS 2720
36	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	pH (1:2.5)	IS 2720 (Part 26)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Soluble Sulphate	IS 2720 (Part 27)
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Residual Chlorine	IS: 3025 (Part 26) Titrimetric
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Acidity (as CaCO3)	APHA 23rd Edition - 2310 B
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Acidity (as CaCO3)	IS 3025 (Part 22)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Alkalinity (as HCO3)	IS 3025 (Part 23) (Titrimetric)
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Aluminium	APHA 23rd Edition 3500-A1 B
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Aluminium	IS 3025 (Part 55)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ammonical Nitrogen (as NH3-N)	APHA 23rd Edition (Titrimetric) 4500NH3 C
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ammonical Nitrogen (as NH3-N)	IS 3025 (Part 34)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Barium	IS 13428 Annexure F
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Bio Chemical Oxygen Demand for 3 days at 27°C	IS 3025 (Part 44)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Calcium	IS 3025 (Part 40) (Titrimetric)
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chemical Oxygen Demand	APHA 23rd Edition (Open Reflux Method)-5220 B

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50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chemical Oxygen Demand	IS 3025 (Part 58)
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chloride	IS 3025 (Part 32) (Argentometric)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chromium (as Cr+6)	APHA 23rd Edition (Colorimetric) 3500Cr B.
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Colour	IS 3025 (Part 4)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Conductivity	IS 3025 (Part 14)
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Cyanide (as CN)	APHA 23rd Edition (Colorimetric) 4500 CN -C & E
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Cyanide (as CN)	IS 3025 (Part 27) (Distillation)
57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Oxygen	APHA 23rd Edition (Azide Modification Method) 4500- O C
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Oxygen	IS 3025 (Part 38)
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fixed Solids	IS 3025 (Part 18) (Gravimetric)
60	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fluoride	APHA- 4500 F D (Colorimetric)
61	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fluoride	IS 3025 (Part 60) (Visual)
62	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Iron (as Fe)	IS 3025 (Part 53) (Colorimetric)
63	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Magnesium (as Mg)	IS 3025 (Part 46) (By Calculation)
64	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Mixed Liquor Suspended Solids (MLSS)	APHA 23rd Edition 2540 B
65	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Mixed Liquor Volatile Suspended Solids (MLVSS)	APHA 23rd edition 2540 E
66	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrate	IS 3025 (Part 34)
67	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrite	IS 3025 (Part 34) (Colorimetric)
68	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Odour	IS 3025 (Part 5)

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69	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Oil & Grease	APHA 23rd Edition (Partition Gravimetric Method)- 5520 B
70	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Oil & Grease	IS 3025 (Part 39) (Partition Gravimetric Method)
71	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH	IS 3025 (Part 11)
72	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phenolic Compounds (as C6H5OH)	IS 3025 : Part 43 : Sec 1
73	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phosphorous	IS 3025 : Part 31 : Sec 1
74	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phosphorus	APHA 23rd Edition (Colorimetric) 4500 - P D
75	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Potassium (as K)	APHA 23rd Edition- 3500K B
76	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Potassium (as K)	IS 3025 (Part 45)
77	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Settleable solids	IS 3025 (Part 17) (Gravimetric)
78	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Silica (as SiO2)	APHA 23rd Edition 4500-Sio2 D
79	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Silica (as SiO2)	IS 3025 (part 35) (Hetropoly Blue Method)
80	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sodium (as Na)	IS 3025 (Part 45) (By Flame Photometer)
81	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sodium Absorption Ratio (SAR)	IS 11624 (By Calculation)
82	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphate	IS 3025 : Part 24 : Sec 1
83	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphide (as H2S)	IS 3025 (Part 29) (Methylene Blue Method)
84	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphite (as SO3)	APHA 23rd Edition - 4500 SO3 B
85	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphite (as SO3)	IS 3025 (Part 28) (Titrimetric)
86	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Temperature	IS 3025 (Part 9)
87	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Dissolved Solids	IS 3025 (Part 16) (Gravimetric)

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88	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Kjeldahl Nitrogen	IS 3025 (Part 34)
89	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Solids	IS 3025 (Part 15) (Gravimetric)
90	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Suspended Solids	IS 3025 (Part 17) (Gravimetric)
91	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Volatile Solids	APHA 23rd Edition- 2540 E
92	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Volatile Solids	IS 3025 (Part 18)
93	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid/Lechate)	LOI	APHA 23rd Edition 2540G
94	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid/Lechate)	Moisture	CPCB/LATS/16/2002-03
95	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid/Lechate)	pH	CPCB/LATS/16/2002-03
96	CHEMICAL- WATER	Construction Water	Amount of 0.02 N H2SO4 Required to Neutralize 100 ml Sample of Water using mixed indicator	IS 456 (Titrimetric)
97	CHEMICAL- WATER	Construction Water	Amount of 0.02 N NaOH Required to Neutralize 100ml Sample of Water using Phenolphthalein as Indicator	IS 456 (Titrimetric)
98	CHEMICAL- WATER	Construction Water	Chloride (as Cl)	IS 3025 (Part 32) (Argentometric)
99	CHEMICAL- WATER	Construction Water	Inorganic Solids	IS 3025 (Part 18) (Gravimetric)
100	CHEMICAL- WATER	Construction Water	Organic Solids	IS 3025 (Part 18) (Gravimetric)
101	CHEMICAL- WATER	Construction Water	pH Value	IS 3025 (Part 11)
102	CHEMICAL- WATER	Construction Water	Sulphate (as SO3)	IS 3025 : Part 24 : Sec 1
103	CHEMICAL- WATER	Construction Water	Total Suspended Solids	IS 3025 (Part 17) (Gravimetric)
104	CHEMICAL- WATER	Drinking Water	Aluminium (as Al)	IS 3025 (Part 55) (Erichrome Cyanine R Method)
105	CHEMICAL- WATER	Drinking Water	Ammonia as N	IS 3025 (Part 34) (Titrimetric)
106	CHEMICAL- WATER	Drinking Water	Barium (as Ba)	Anx F IS 13428
107	CHEMICAL- WATER	Drinking Water	Boron (as B)	APHA 23rd Edition (Colorimetric) 4500B B.

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108	CHEMICAL- WATER	Drinking Water	Calcium (as Ca)	IS 3025 (Part 40) (Titrimetric)
109	CHEMICAL- WATER	Drinking Water	Chloramines (as Cl2)	IS 3025 (Part 26)
110	CHEMICAL- WATER	Drinking Water	Chloride (as Cl)	IS 3025 (Part 32) (Argentometric)
111	CHEMICAL- WATER	Drinking Water	Colour	IS 5182 (Part 4)
112	CHEMICAL- WATER	Drinking Water	Cyanide (as CN)	IS 3025 (Part 27) (Colorimetric)
113	CHEMICAL- WATER	Drinking Water	Fluoride (as F)	APHA 4500F - D (Colorimetric)
114	CHEMICAL- WATER	Drinking Water	Fluoride (as F)	IS 3025 (Part 60) (Visual)
115	CHEMICAL- WATER	Drinking Water	Iron (as Fe)	IS 3025 (Part 53) (Phenanthroline Method)
116	CHEMICAL- WATER	Drinking Water	Magnesium (as Mg)	IS 3025 (Part 46) By Calculation
117	CHEMICAL- WATER	Drinking Water	Nitrate (as NO3)	IS 3025 (Part 34) (Chromotropic Acid Method)
118	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
119	CHEMICAL- WATER	Drinking Water	pH Value	IS 3025 (Part 11)
120	CHEMICAL- WATER	Drinking Water	Phenolic Compounds (as C6H5OH)	IS 3025 : Part 43 : Sec 1
121	CHEMICAL- WATER	Drinking Water	Residual Free Chlorine	IS 3025 (Part 26) (Colorimetric)
122	CHEMICAL- WATER	Drinking Water	Sulphate (as SO4)	IS 3025 : Part 24 : Sec 1
123	CHEMICAL- WATER	Drinking Water	Sulphide (as H2S)	IS 3025 (Part 29) (Methylene Blue Method)
124	CHEMICAL- WATER	Drinking Water	Total Alkalinity (as CaCO3)	IS 3025 (Part 23) (Titrimetric)
125	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16) (Gravimetric)
126	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	IS 3025 (Part 21) (Titrimetric)
127	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
128	CHEMICAL- WATER	Feed water/ Boiler Water/ Condensate water	Caustic Alkalinity (as CaCO3)	IS 3025 (Part 23) (Titrimetric)
129	CHEMICAL- WATER	Feed water/ Boiler Water/ Condensate water	Chloride (as Cl)	IS 3025 (Part 32) (Argentometric)
130	CHEMICAL- WATER	Feed water/ Boiler Water/ Condensate water	Iron as (Fe)	IS 3025 (Part 53)
131	CHEMICAL- WATER	Feed water/ Boiler Water/ Condensate water	Oxygen Consumed in 4 hours at 27°C	IS 3025 (Part 63)
132	CHEMICAL- WATER	Feed water/ Boiler Water/ Condensate water	pH Value	IS 3025 (Part 11)
133	CHEMICAL- WATER	Feed water/ Boiler Water/ Condensate water	Phosphate (as PO4)	IS 3025 : Part 31 : Sec 1

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134	CHEMICAL- WATER	Feed water/ Boiler Water/ Condensate water	Silica (as SiO2)	IS 10496 (Part A-3)
135	CHEMICAL- WATER	Feed water/ Boiler Water/ Condensate water	Specific Conductivity	IS 3025 (Part 14)
136	CHEMICAL- WATER	Feed water/ Boiler Water/ Condensate water	Total Dissolved Solids	IS 3025 (Part 16) (Gravimetric)
137	CHEMICAL- WATER	Feed water/ Boiler Water/ Condensate water	Total Hardness (as CaCO3)	IS 3025 (Part 21) (Titrimetric)
138	CHEMICAL- WATER	Ground Water	Alkalinity (as CaCO3)	IS 3025 (Part 23) (Titrimetric)
139	CHEMICAL- WATER	Ground Water	Aluminium (as Al)	IS 3025 (Part 55) (Erichrome Cyanine R Method)
140	CHEMICAL- WATER	Ground Water	Ammonia (as NH3 -N)	IS 3025 (Part 34) Titrimetric
141	CHEMICAL- WATER	Ground Water	Barium (as Ba)	Anx F IS 13428
142	CHEMICAL- WATER	Ground Water	Bio Chemical Oxygen demand for 3 days at 27°C	IS 3025 (Part 44)
143	CHEMICAL- WATER	Ground Water	Borate (as B)	IS 13428 Anx H (Colorimetric)
144	CHEMICAL- WATER	Ground Water	Boron (as B)	APHA 23rd Edition (Colorimetric) 4500B B
145	CHEMICAL- WATER	Ground Water	Boron (as B)	IS 3025 (Part 57) (Colorimetric)
146	CHEMICAL- WATER	Ground Water	Calcium (as Ca)	IS 3025 (Part 40) (Titrimetric)
147	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	APHA 23rd Edition (Open Reflux Method)- 5220 B
148	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	IS 3025 (Part 58)
149	CHEMICAL- WATER	Ground Water	Chloramines (as Cl2)	IS 3025 (Part 26)
150	CHEMICAL- WATER	Ground Water	Chloride (as Cl)	IS 3025 (Part 32) (Argentometric)
151	CHEMICAL- WATER	Ground Water	Chromium (as Cr+6)	APHA 23rd Edition (Colorimetric) 3500Cr B
152	CHEMICAL- WATER	Ground Water	Colour	IS 3025 (Part 4)
153	CHEMICAL- WATER	Ground Water	Cyanide (as CN)	IS 3025 (Part 27) (Colorimetric)
154	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	IS 3025 (Part 38)
155	CHEMICAL- WATER	Ground Water	Fluoride (as F)	APHA 4500 F- D (Colorimetric)
156	CHEMICAL- WATER	Ground Water	Fluoride (as F)	IS 3025 (Part 60) (Visual)
157	CHEMICAL- WATER	Ground Water	Free Residual Chlorine	IS 3025 (Part 26)
158	CHEMICAL- WATER	Ground Water	Inorganic Solids	IS 3025 (Part 18) (Gravimetric)
159	CHEMICAL- WATER	Ground Water	Iron (as Fe)	IS 3025 (Part 53)

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160	CHEMICAL- WATER	Ground Water	Magnesium (as Mg)	IS 3025 (Part 46) (By Calculation)
161	CHEMICAL- WATER	Ground Water	Nitrate (as NO3)	IS 3025 (Part 34) (Colorimetric)
162	CHEMICAL- WATER	Ground Water	Nitrite (as NO2)	IS 3025 (Part 34) (Colorimetric)
163	CHEMICAL- WATER	Ground Water	Odour	IS 3025 (Part 5)
164	CHEMICAL- WATER	Ground Water	Oil & Grease	APHA 23rd Edition (Partition Gravimetric Method) - 5520 B
165	CHEMICAL- WATER	Ground Water	Oil & Grease	IS 3025 (Part 39)
166	CHEMICAL- WATER	Ground Water	Organic Solids	IS 3025 (Part 18) (Gravimetric)
167	CHEMICAL- WATER	Ground Water	pH Value	IS 3025 (Part 11)
168	CHEMICAL- WATER	Ground Water	Phenolic Compounds (as C6H5OH)	IS 3025 : Part 43 : Sec 1
169	CHEMICAL- WATER	Ground Water	Potassium (as K)	IS 3025 (Part 45) (By Flame Photometer)
170	CHEMICAL- WATER	Ground Water	Silica (as SiO2)	APHA 23rd Edition 4500- SiO2 D
171	CHEMICAL- WATER	Ground Water	Silica (as SiO2)	IS 3025 (Part 35) (Hetropoly Blue Method)
172	CHEMICAL- WATER	Ground Water	Sodium (as Na)	IS 3025 (Part 45) (By Flame Photometer)
173	CHEMICAL- WATER	Ground Water	Specific Conductivity	IS 3025 (Part 14)
174	CHEMICAL- WATER	Ground Water	Sulphate (as SO4)	IS 3025 : Part 24 : Sec 1
175	CHEMICAL- WATER	Ground Water	Sulphide (as H2S)	IS 3025 (Part 29) (Methylene Blue Method)
176	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025 (Part 16) (Gravimetric)
177	CHEMICAL- WATER	Ground Water	Total Hardness (as CaCO3)	IS 3025 (Part 21) (Titrimetric)
178	CHEMICAL- WATER	Ground Water	Total Suspended Solids	IS 3025 (Part 17) (Gravimetric)
179	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part 10)
180	CHEMICAL- WATER	ICE Water	Alkalinity (as CaCO3)	IS 3025 (Part 23) (Titrimetric)
181	CHEMICAL- WATER	ICE Water	Chloride (as Cl)	IS 3025 (Part 32) (Argentometric)
182	CHEMICAL- WATER	ICE Water	Chromium (as Cr+6)	APHA 23rd Edition (Colorimetric) 3500Cr B
183	CHEMICAL- WATER	ICE Water	Colour	IS 3025 (Part 4)

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184	CHEMICAL- WATER	ICE Water	Cyanide (as CN)	IS 3025 (Part 27) (Colorimetric)
185	CHEMICAL- WATER	ICE Water	Fluoride (as F)	APHA 4500F-D (Colorimetric)
186	CHEMICAL- WATER	ICE Water	Fluoride (as F)	IS 3025 (Part 60) (Visual)
187	CHEMICAL- WATER	ICE Water	Iron as (Fe)	IS 3025 (Part 53)
188	CHEMICAL- WATER	ICE Water	Magnesium (as Mg)	IS 3025 (Part 46) (By Calculation)
189	CHEMICAL- WATER	ICE Water	Odour	IS 3025 (Part 5)
190	CHEMICAL- WATER	ICE Water	Organic Solids	IS 3025 (Part 18) (Gravimetric)
191	CHEMICAL- WATER	ICE Water	pH Value	IS 3025 (Part 11)
192	CHEMICAL- WATER	ICE Water	Phenolic Compounds (as C6H5OH)	IS 3025 : Part 43 : Sec 1
193	CHEMICAL- WATER	ICE Water	Sulphate (as SO4)	IS 3025 : Part 24 : Sec 1
194	CHEMICAL- WATER	ICE Water	Total Dissolved Solids	IS 3025 (Part 16) (Gravimetric)
195	CHEMICAL- WATER	ICE Water	Total Hardness (as CaCO3)	IS 3025 (Part 21) (Titrimetric)
196	CHEMICAL- WATER	ICE Water	Turbidity	IS 3025 (Part 10)
197	CHEMICAL- WATER	Packaged Drinking Water	Alkalinity (as HCO3)	IS 3025 (Part 23) (Titrimetric)
198	CHEMICAL- WATER	Packaged Drinking Water	Aluminium (as Al)	IS 3025 (Part 55)
199	CHEMICAL- WATER	Packaged Drinking Water	Barium (as Ba)	Anx F IS 13428
200	CHEMICAL- WATER	Packaged Drinking Water	Borate (as B)	Anx H IS 13428 (Colorimetric)
201	CHEMICAL- WATER	Packaged Drinking Water	Boron (as B)	APHA 23rd Edition (Colorimetric) 4500B B.
202	CHEMICAL- WATER	Packaged Drinking Water	Calcium (as Ca)	IS 3025 (Part 40) (Titrimetric)
203	CHEMICAL- WATER	Packaged Drinking Water	Chloride (as Cl)	IS 3025 (Part 32) (Argentometric)
204	CHEMICAL- WATER	Packaged Drinking Water	Colour	IS 3025 (Part 4)
205	CHEMICAL- WATER	Packaged Drinking Water	Cyanide (as CN)	IS 3025 (Part 27)
206	CHEMICAL- WATER	Packaged Drinking Water	Fluoride (as F)	APHA 4500F- D (Colorimetric)
207	CHEMICAL- WATER	Packaged Drinking Water	Fluoride (as F)	IS 3025 (Part 60) (Visual)
208	CHEMICAL- WATER	Packaged Drinking Water	Iron (as Fe)	IS 3025 (Part 53)
209	CHEMICAL- WATER	Packaged Drinking Water	Magnesium (as Mg)	IS 3025 (Part 46) (By Calculation)
210	CHEMICAL- WATER	Packaged Drinking Water	Nitrate (as NO3)	IS 3025 (Part 34) (Colorimetric)

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211	CHEMICAL- WATER	Packaged Drinking Water	Nitrite (as NO2)	IS 3025 (Part 34) (Colorimetric)
212	CHEMICAL- WATER	Packaged Drinking Water	Odour	IS 3025 (Part 5)
213	CHEMICAL- WATER	Packaged Drinking Water	pH Value	IS 3025 (Part 11)
214	CHEMICAL- WATER	Packaged Drinking Water	Phenolic Compounds (as C6H5OH)	IS 3025 : Part 43 : Sec 1
215	CHEMICAL- WATER	Packaged Drinking Water	Residual Free Chlorine	IS 3025 (Part 26) (Colorimetric)
216	CHEMICAL- WATER	Packaged Drinking Water	Sodium (as Na)	IS 3025 (Part 45) (By Flamephotometer)
217	CHEMICAL- WATER	Packaged Drinking Water	Sulphate (as SO4)	IS 3025 : Part 24 : Sec 1
218	CHEMICAL- WATER	Packaged Drinking Water	Sulphide (as H2S)	IS 3025 (Part 29)
219	CHEMICAL- WATER	Packaged Drinking Water	Total Dissolved Solids	IS 3025 (Part 16) (Gravimetric)
220	CHEMICAL- WATER	Packaged Drinking Water	Total Hardness (as CaCO3)	IS 3025 (Part 21)
221	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	IS 3025 (Part 10)
222	CHEMICAL- WATER	Packaged Natural Mineral Water	Alkalinity (as HCO3)	IS 3025 (Part 23)
223	CHEMICAL- WATER	Packaged Natural Mineral Water	Barium (as Ba)	Anx F IS 13428
224	CHEMICAL- WATER	Packaged Natural Mineral Water	Borate (as B)	Anx H IS 13428 (Colorimetric)
225	CHEMICAL- WATER	Packaged Natural Mineral Water	Calcium(as Ca)	IS 3025(Part 40)
226	CHEMICAL- WATER	Packaged Natural Mineral Water	Chloride (as Cl)	IS 3025 (Part 32) (Argentometric)
227	CHEMICAL- WATER	Packaged Natural Mineral Water	Colour	IS 3025 (Part 4)
228	CHEMICAL- WATER	Packaged Natural Mineral Water	Cyanide (as CN)	IS 3025 (Part 27)
229	CHEMICAL- WATER	Packaged Natural Mineral Water	Fluoride (as F)	APHA 4500F ¯ D (Colorimetric)
230	CHEMICAL- WATER	Packaged Natural Mineral Water	Fluoride (as F)	IS 3025 (Part 60)
231	CHEMICAL- WATER	Packaged Natural Mineral Water	Iron (as Fe)	IS 3025 (Part 53) (Phenanthroline Method)
232	CHEMICAL- WATER	Packaged Natural Mineral Water	Magnesium (as Mg)	IS 3025(Part 46)
233	CHEMICAL- WATER	Packaged Natural Mineral Water	Nitrate (as NO3)	IS 3025 (Part 34)
234	CHEMICAL- WATER	Packaged Natural Mineral Water	Nitrite (as NO2)	IS 3025 (Part 34)
235	CHEMICAL- WATER	Packaged Natural Mineral Water	Odour	IS 3025 (Part 5)
236	CHEMICAL- WATER	Packaged Natural Mineral Water	pH value	IS 3025 (Part 11)
237	CHEMICAL- WATER	Packaged Natural Mineral Water	Phenolic Compounds (as C6H5OH)	IS 3025 : Part 43 : Sec 1

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238	CHEMICAL- WATER	Packaged Natural Mineral Water	Residual Free Chlorine	IS 3025(Part 26)
239	CHEMICAL- WATER	Packaged Natural Mineral Water	Sodium (as Na)	IS 3025 (Part 45)
240	CHEMICAL- WATER	Packaged Natural Mineral Water	Sulphate (as SO4)	IS 3025 : Part 24 : Sec 1
241	CHEMICAL- WATER	Packaged Natural Mineral Water	Sulphide (as H2S)	IS 3025(Part 29)
242	CHEMICAL- WATER	Packaged Natural Mineral Water	Total Dissolved Solids	IS 3025 (Part 16)
243	CHEMICAL- WATER	Packaged Natural Mineral Water	Total Hardness (as CaCO3)	IS 3025 (Part 21)
244	CHEMICAL- WATER	Packaged Natural Mineral Water	Turbidity	IS 3025 (Part 10)
245	CHEMICAL- WATER	Reagent Grade Water	Colour Retention of KMnO4 at 27± 2°C	IS 1070 Annexure A
246	CHEMICAL- WATER	Reagent Grade Water	pH Value at 25°C	IS 3025 (Part 11)
247	CHEMICAL- WATER	Reagent Grade Water	Silica (as SiO2)	APHA 23rd Edition 4500-SiO2 D
248	CHEMICAL- WATER	Reagent Grade Water	Silica (as SiO2)	IS 3025 (Part 35) (Hetropoly Blue Method)
249	CHEMICAL- WATER	Reagent Grade Water	Specific Conductivity	IS 3025 (Part 14)
250	CHEMICAL- WATER	Reagent Grade Water	Total Solids	IS 3025 (Part 15) (Gravimetric)
251	CHEMICAL- WATER	Surface Water	Alkalinity (as CaCO3)	IS 3025 (Part 23) (Titrimetric)
252	CHEMICAL- WATER	Surface Water	Aluminium (as Al)	IS 3025 (Part 55)
253	CHEMICAL- WATER	Surface Water	Ammonia (as NH3 - N)	IS 3025 (Part 34)
254	CHEMICAL- WATER	Surface Water	Barium (as Ba)	Anx F IS 13428
255	CHEMICAL- WATER	Surface Water	Bio Chemical Oxygen Demand for 3 days at 27°C	IS 3025 (Part 44)
256	CHEMICAL- WATER	Surface Water	Borate (as B)	IS 13428 Anx H (Colorimetric)
257	CHEMICAL- WATER	Surface Water	Boron (as B)	APHA 23rd Edition (Colorimetric) 4500B B
258	CHEMICAL- WATER	Surface Water	Boron (as B)	IS 3025 (Part 57) (Colorimetric)
259	CHEMICAL- WATER	Surface Water	Calcium (as Ca)	IS 3025 (Part 40) (Titrimetric)
260	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	APHA 23rd Edition (Open Reflux Method) - 5220 B
261	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	IS 3025 (Part 58)
262	CHEMICAL- WATER	Surface Water	Chloramines (as Cl2)	IS 3025 (Part 26)
263	CHEMICAL- WATER	Surface Water	Chloride (as Cl)	IS 3025 (Part 32) (Argentometric)

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264	CHEMICAL- WATER	Surface Water	Chromium (as Cr+6)	APHA 23rd Edition (Colorimetric) 3500Cr B
265	CHEMICAL- WATER	Surface Water	Colour	IS 3025 (Part 4) (CU)
266	CHEMICAL- WATER	Surface Water	Cyanide (as CN)	IS 3025 (Part 27) (Colorimetric)
267	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	IS 3025 (Part 38)
268	CHEMICAL- WATER	Surface Water	Fluoride (as F)	APHA 4500 F- D (Colorimetric)
269	CHEMICAL- WATER	Surface Water	Fluoride (as F)	IS 3025 (Part 60) (Visual)
270	CHEMICAL- WATER	Surface Water	Free Residual Chlorine	IS 3025 (Part 26)
271	CHEMICAL- WATER	Surface Water	Inorganic Solids	IS 3025 (Part 18) (Gravimetric)
272	CHEMICAL- WATER	Surface Water	Iron (as Fe)	IS 3025 (Part 53)
273	CHEMICAL- WATER	Surface Water	Magnesium (as Mg)	IS 3025 (Part 46) (By Calculation)
274	CHEMICAL- WATER	Surface Water	Nitrate (as NO3)	IS 3025 (Part 34) (Colorimetric)
275	CHEMICAL- WATER	Surface Water	Nitrite (as NO2)	IS 3025 (Part 34) (Colorimetric)
276	CHEMICAL- WATER	Surface Water	Odour	IS 3025 (Part 5)
277	CHEMICAL- WATER	Surface Water	Oil & Grease	APHA 23rd Edition (Partition Gravimetric Method) 5520 B
278	CHEMICAL- WATER	Surface Water	Oil & Grease	IS 3025 (Part 39) (Partition Gravimetric Method)
279	CHEMICAL- WATER	Surface Water	Organic solids	IS 3025 (Part 18) (Gravimetric)
280	CHEMICAL- WATER	Surface Water	pH Value	IS 3025 (Part 11)
281	CHEMICAL- WATER	Surface Water	Phenolic Compounds (as C6H5OH)	IS 3025 : Part 43 : Sec 1
282	CHEMICAL- WATER	Surface Water	Potassium (as K)	IS 3025 (Part 45) (By Flame Photometer)
283	CHEMICAL- WATER	Surface Water	Silica (as SiO2)	APHA 23rd Edition 4500- SiO2 D
284	CHEMICAL- WATER	Surface Water	Silica (as SiO2)	IS 3025 (Part 35)
285	CHEMICAL- WATER	Surface Water	Sodium (as Na)	IS 3025 (Part 45) (By Flame Photometer)
286	CHEMICAL- WATER	Surface Water	Specific Conductivity	IS 3025 (Part 14)
287	CHEMICAL- WATER	Surface water	Sulphate (as SO4)	IS 3025 : Part 24 : Sec 1
288	CHEMICAL- WATER	Surface Water	Sulphide (as H2S)	IS 3025 (Part 29) (Methylene Blue Method)

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289	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	IS 3025 (Part 16) (Gravimetric)
290	CHEMICAL- WATER	Surface Water	Total Hardness (as CaCO3)	IS 3025 (Part 21) (Titrimetric)
291	CHEMICAL- WATER	Surface Water	Total Suspended Solids	IS 3025 (Part 17) (Gravimetric)
292	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (Part 10)
293	CHEMICAL- WATER	Swimming Pool Water	Aluminium (as Al)	IS 3025 (Part 55)
294	CHEMICAL- WATER	Swimming Pool Water	Chloride (as Cl)	IS 3025 (Part 32) (Argentometric)
295	CHEMICAL- WATER	Swimming Pool Water	Colour	IS 3025 (Part 4)
296	CHEMICAL- WATER	Swimming Pool Water	Iron (as Fe)	IS 3025 (Part 53) (Colorimetric)
297	CHEMICAL- WATER	Swimming Pool Water	Odour	IS 3025 (Part 5)
298	CHEMICAL- WATER	Swimming Pool Water	Oxygen absorbed in 4 hours at 27°C	IS 3025 (Part 63)
299	CHEMICAL- WATER	Swimming Pool Water	pH Value	IS 3025 (Part 11)
300	CHEMICAL- WATER	Swimming Pool Water	Total Alkalinity (as CaCO3)	IS 3025 (Part 23) (Titrimetric)
301	CHEMICAL- WATER	Swimming Pool Water	Total Dissolved Solids	IS 3025 (Part 16) (Gravimetric)
302	CHEMICAL- WATER	Swimming Pool Water	Total Residual Chlorine	IS 3025 (Part 26) (Colorimetric)
303	CHEMICAL- WATER	Swimming Pool Water	Turbidity	IS 3025 (Part 10)
304	CHEMICAL- WATER	Water from RO Purifier	Aluminium (as Al)	IS 3025 (Part 55)
305	CHEMICAL- WATER	Water from RO Purifier	Calcium (as Ca)	IS 3025 (Part 40) (Titrimetric)
306	CHEMICAL- WATER	Water from RO Purifier	Chloramines (as Cl2)	IS 3025 (Part 26)
307	CHEMICAL- WATER	Water from RO Purifier	Fluoride (as F)	IS 3025 (Part 60) (Visual Comparison)
308	CHEMICAL- WATER	Water from RO Purifier	Free Residual Chlorine	IS 3025 (Part 26)
309	CHEMICAL- WATER	Water from RO Purifier	Magnesium (as Mg)	IS 3025 (Part 46) (By Calculation)
310	CHEMICAL- WATER	Water from RO Purifier	Nitrate (as NO3)	IS 3025 (Part 34) (Colorimetric)
311	CHEMICAL- WATER	Water from RO Purifier	pH Value	IS 3025 (Part 11)
312	CHEMICAL- WATER	Water from RO Purifier	Potassium (as K)	IS 3025 (Part 45) (By Flame Photometer)
313	CHEMICAL- WATER	Water from RO Purifier	Sodium (as Na)	IS 3025 (Part 45) (By Flame Photometer)
314	CHEMICAL- WATER	Water from RO Purifier	Specific Conductivity	IS 3025 (Part 14)
315	CHEMICAL- WATER	Water from RO Purifier	Sulphate (as SO4)	IS 3025 : Part 24 : Sec 1

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316	CHEMICAL- WATER	Water used in Processed Food Industry	Chloride (as Cl)	IS 3025 (Part 32) (Argentometric)
317	CHEMICAL- WATER	Water Used in Processed Food Industry	Chromium (as Cr+6)	APHA 23rd Edition (Colorimetric) 3500Cr B
318	CHEMICAL- WATER	Water used in Processed Food Industry	Colour	APHA 23rd Edition (Colorimetric) 2120 C
319	CHEMICAL- WATER	Water used in Processed Food Industry	Colour	IS 3025 (Part 4)
320	CHEMICAL- WATER	Water used in Processed Food Industry	Cyanide (as CN)	IS 3025 (Part 27) (Colorimetric)
321	CHEMICAL- WATER	Water used in Processed Food Industry	Fluoride (as F)	APHA 4500 F- D (Colorimetric)
322	CHEMICAL- WATER	Water used in Processed Food Industry	Fluoride as (F)	IS 3025 (Part 60) (Visual)
323	CHEMICAL- WATER	Water used in Processed Food Industry	Iron (as Fe)	IS 3025 (Part 53) Phenanthriline Method
324	CHEMICAL- WATER	Water used in Processed Food Industry	Magnesium (as Mg)	IS 3025 (Part 46) (By Calculation)
325	CHEMICAL- WATER	Water used in Processed Food Industry	Nitrate (as NO3)	IS 3025 (Part 34) (Colorimetric)
326	CHEMICAL- WATER	Water used in Processed Food Industry	Odour	IS 3025 (Part 5)
327	CHEMICAL- WATER	Water used in Processed Food Industry	pH Value	IS 3025 (Part 11)
328	CHEMICAL- WATER	Water used in Processed Food Industry	Phenolic Compounds (as C6H5OH)	IS 3025 : Part 43 : Sec 1
329	CHEMICAL- WATER	Water used in Processed Food Industry	Sulphate (as SO4)	IS 3025 : Part 24 : Sec 1
330	CHEMICAL- WATER	Water used in Processed Food Industry	Total Hardness (as CaCO3)	IS 3025 (Part 21) (Titrimetric)
331	CHEMICAL- WATER	Water used in Processed Food Industry	Total Solids	IS 3025 (Part 15) (Gravimetric)
332	CHEMICAL- WATER	Water used in Processed Food Industry	Turbidity	IS 3025 (Part 10)

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Site Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone	IS 5182 (Part 9)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels	Ambient Noise Monitoring Leq dB (A)	IS 9989
3	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise Levels DG Sets	Insertion Loss	IS 4758
4	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise levels DG Sets	Leq dB (A)	IS/ ISO 8528 (Part 10)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Dioxide	IS 13270
6	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxygen	IS 13270
7	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Oxygen	APHA 23rd Edition (Azide Modification Method) 4500- O C
8	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Oxygen	IS 3025 (Part 38)
9	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Temperature	IS 3025 (Part 9)
10	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid/Lechate)	pH	CPCB/LATS/16/2002-03
11	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	IS 3025 (Part 38)
12	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	IS 3025 (Part 38)

NOTE- The Laboratory has demonstrated competence for the stated scope for WATER. This however does not fully cover the specification requirements of BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428.