

ATIRA Environmental Testing Lab

Sr. No.	Type of testing	Testing facility available		Standards	Applicable testing charges	
		Laboratory	Instrument detail			
Water and waste water						
1	pH	Yes	pH meter	APHA 23rd Edition and IS 3025	100	
2	Temperature	Yes	Thermo meter		100	
3	Turbidity	Yes	Turbidity Meter		150	
4	Colour	Yes	Spectro Photometer		250	
5	Total Dissolved Solids	Yes	Oven and Weigh Balance		150	
6	Total Suspended Solids	Yes	Oven and Weigh Balance		150	
7	Dissolved Oxygen	Yes	--		150	
8	Chemical Oxygen Demand - COD	Yes	COD Digestor		400	
9	Biochemical Oxygen Demand - BOD	Yes	BOD Incubator		600	
10	Oil & Grease	Yes	--		150	
11	Ammonical Nitrogen	Yes	Glassware (Ammonical Assembly)		400	
12	Free Ammonia	Yes	--		400	
13	Total Kjeldahl Nitrogen	Yes	--		400	
14	Total Nitrogen	Yes	--		400	
15	Nitrate (NO ₃ ⁻)	Yes	Spectro Photometer		300	
16	Nitrite (NO ₂ ⁻)	Yes	Spectro Photometer		300	
17	Phenolic Compound	Yes	--		500	
18	Sulphates	Yes	Spectro Photometer		250	
19	Sulphides	Yes	--		150	
20	Chlorides	Yes	--		150	
21	Conductivity	Yes	Conductivity meter		150	
22	Alkalinity	Yes	--		150	
23	Acidity	Yes	--		150	
24	Total Hardness as CaCO ₃	Yes	--		150	
25	Calcium	Yes	--		150	
26	Magnesium	Yes	--		150	
27	Sodium	Yes	Flame Photometer		400	
28	Potassium	Yes	Flame Photometer		400	
29	Residual Free Chlorine	Yes	Spectro Photometer		250	
30	Fluoride	Yes	Spectro Photometer		250	
31	Percentage Sodium	Yes	--		600	
32	Reactive Silica	Yes	Spectro Photometer		250	
33	MLSS	Yes	Muffle Furncess		250	
34	MLVSS	Yes	Muffle Furncess		250	
35	Phosphate	Yes	Spectro Photometer		300	
36	Moisture	Yes	Oven and Weigh Balance		150	
37	SDI-Sludge Drying index	Yes	--		150	
38	Specific Gravity	Yes	--		300	
39	SAR(Sodium Absorbance Ratio)	Yes	Flame Photometer		600	
40	Surfactants	Yes	CTD Dept.		Not Applicable	300
41	TOC	No	Out Side		Not Applicable	3000
42	Free Carbon Dioxide	No	Out Side		Not Applicable	150

Heavy Metal of Effluent					
43	Barium				400
44	Copper				400
45	Iron				400
46	Manganese				400
47	Zinc				400
48	Silver				400
49	Aluminum				400
50	Selenium				400
51	Calcium				400
52	Magnesium	No	Out Side	Not Applicable	400
53	Sodium				400
54	Antimony				400
55	Borates				400
56	Mercury				400
57	Cadmium				400
58	Arsenic				400
59	Lead				400
60	Chromium				400
61	Nickel				400
Ambient Sampling and Analysis					
62	Sampling Charges for 24 hr (Sox, Nox, SPM)	Yes	RDS Sample and Combo PM 10 and PM 2.5 PM 2.5 mini Sampler	IS 5182	6000
63	Sampling Charges for 08 hr ((Sox, Nox, SPM)	Yes		IS 5182	2000
Analysis charges for individual parameter					
64	SPM	Yes	Five digit Weigh Balance	IS 5182	600
65	PM _{2.5}	Yes	Five digit Weigh Balance		1000
66	PM ₁₀	Yes	Five digit Weigh Balance		600
67	NO ₂	Yes	Spectro Photometer		600
68	SO ₂	Yes	Spectro Photometer		600
69	Cl ₂	Yes	--		600
70	HCl	Yes	--		600
71	NH ₃	Yes	--		600
72	H ₂ S	Yes	--		600
73	CO	Yes	--		600
74	Volatile Organic Carbon	No	Out Side	Not Applicable	2000
Source Emission Monitoring/Sampling Charges					
75	Sampling/measurement of Velocity. Flow rate, temperature and molecular weight of Flue Gas (each specific location/each sample in duplicate for the mentioned parameter)	Yes	Stack Monitoring Kit	IS 11255	5500/-
76	Sampling of SO ₂ /NO ₂	Yes			2000/-
77	Sampling of PAHs	Yes			3000/-
78	Sampling of VOCs/BTX	Yes			3500/-
Analysis charges for individual parameter					
79	SPM	Yes	Five digit Weigh Balance	IS 11255	600
80	NO _x	Yes	Spectro Photometer		600
81	SO ₂	Yes	Spectro Photometer		600
82	Cl ₂	Yes	--		600
83	HCl	Yes	--		600
84	NH ₃	Yes	--		600
85	Volatile Organic Compounds (VOCs)	No	Out Side	Not Applicable	3000
Noise Monitoring					
86	10 location	Yes	Noise Meter	IS 11702	1000
Sludge Sample Analysis					
87	pH	Yes	pH meter	Reference Book	100
88	Total Dissolved Solids	Yes	Oven and Weigh Balance		150
89	Total Suspended Solids	Yes	Oven and Weigh Balance		150
90	Chemical Oxygen Demand - COD	Yes	COD Digestor		400
91	Biochemical Oxygen Demand - BOD	Yes	BOD Incubator		600
92	Oil & Grease	Yes	--		150
93	Chlorides	Yes	--		150
94	Sulphates	Yes	Spectro Photometer		250
95	Moisture	Yes	Oven		150

Soil Analysis Charges					
96	pH	Yes	pH meter	Reference Book	100
97	Conductivity	Yes	Conductivity meter		150
98	Alkalinity	Yes	--		150
99	Carbonates	Yes	--		150
100	Bicarbonates	Yes	--		150
101	Chlorides	Yes	--		150
102	Sulphates	Yes	Spectro Photometer		250
103	Ammonical Nitrogen	Yes	Glassware (Ammonical Assembly)		400
104	Total Nitrogen	Yes	--		400
105	Nitrate (NO ₃ ⁻)	Yes	Spectro Photometer		300
106	Hardness	Yes	--		150
107	Calcium	Yes	--		150
108	Magnesium	Yes	--		150
109	Sodium	Yes	Flame Photometer	400	
110	Potassium	Yes	Flame Photometer	400	
111	Phosphorus	Yes	Spectro Photometer	300	
112	%Moisture	Yes	Oven	150	
Drinking water Analysis charges					
113	Colour, Max	Yes	Spectro Photometer	IS 10500	250
114	Odour	Yes	--		150
115	Taste	Yes	--		150
116	Turbidity, Max	Yes	Turbidity Meter		150
117	pH Value	Yes	pH meter		100
118	Total Hardness (as CaCO ₃), Max	Yes	--		150
119	Iron (as Fe), Max	Yes	Spectro Photometer		400
120	Chlorides (as Cl), Max	Yes	--		150
121	Free Residual Chlorine, Min	Yes	--		250
122	Fluoride (as F), Max	Yes	Spectro Photometer		250
123	Total Dissolved Solids, Max	Yes	Oven and Weigh Balance		150
124	Calcium (as Ca), Max	Yes	--		150
125	Magnesium (as Mg), Max	Yes	--		150
126	Sulphate (as SO ₄), Max	Yes	Spectro Photometer		250
127	Nitrate (as NO ₃), Max	Yes	Spectro Photometer		300
128	Phenolic Compound (as C ₆ H ₅ OH), Max	Yes	--		500
129	Ammonia (as total ammonia - N), Max	Yes	Glassware (Ammonical Assembly)		400
130	Sulphide as H ₂ S, Max	Yes	Spectro Photometer	150	
131	Alkalinity, Max	Yes	--	150	
132	Molybdenum (as Mo), Max	No	Out Side	Not Applicable	400
133	Nickle (as Ni), Max	No	Out Side	Not Applicable	400
134	Copper (as Cu), Max	No	Out Side	Not Applicable	400
135	Manganese (as Mn), Max	No	Out Side	Not Applicable	400
136	Mercury (as Hg), Max	No	Out Side	Not Applicable	400
137	Cadmium (as Cd), Max	No	Out Side	Not Applicable	400
138	Selenium (as Se), Max	no	Out Side	Not Applicable	400
139	Arsenic (as As), Max	No	Out Side	Not Applicable	400
140	Lead as Pb, Max	No	Out Side	Not Applicable	400
141	Zinc as Zn, Max	No	Out Side	Not Applicable	400
142	Chromium (as Cr ⁶⁺), Max	No	Out Side	Not Applicable	400
143	Aluminium (as Al), Max	No	Out Side	Not Applicable	400
144	Boron, Max	No	Out Side	Not Applicable	400
145	Barium (as Ba), Max	No	Out Side	Not Applicable	400
146	Silver (as Ag), Max	No	Out Side	Not Applicable	400
147	Bacteriological Tests: Total coliform, Ecoli, Fecal Coliform	No	Out Side	Not Applicable	2000

Note:

Yellow Marking: Main Heading

Green Marking: Sub Heading