



(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name SHREE RAM TESTING LABORATORIES, A-2/103, SITE V, UPSIDC INDL. AREA,

GREATER NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8513 Page No.: 1/9

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection			
Permanent Facility								
1	CHEMICAL- WATER	Construction water	0.02 N NaOH used to nutralize 100 ml of water sample (Acidity)	IS456/IS:3025 P-22: 1986	0.1 ml to 25 ml			
2	CHEMICAL- WATER	Construction water	Alkalinity	IS:3025 (P-23): 1986	0.1 ml to 50 ml			
3	CHEMICAL- WATER	Construction Water	Chloride	IS 456/IS 3025 (P-32): 1989	10.0 mg/l to 2000.0 mg/l			
4	CHEMICAL- WATER	Construction Water	Inorganic Solids	IS 3025 (P-18): 1984	10.0 mg/l to 5000.0 mg/l			
5	CHEMICAL- WATER	Construction Water	Organic Solids	IS 456/IS 3025 (P-18): 1984	10.0 mg/l to 500.0 mg/l			
6	CHEMICAL- WATER	Construction Water	pH Value	IS 3025 (P-11): 1983	2.0 to 12.0			
7	CHEMICAL- WATER	Construction Water	Sulphate	IS456/IS 3025 (P-24): 1986	5.0 mg/l to 500.0 mg/l			
8	CHEMICAL- WATER	Drinking Water	Acidity	IS 3025 (P-22): 1986	1.0 mg/l to 5.0 mg/l			
9	CHEMICAL- WATER	Drinking Water	Alkalinity	IS 3025 (P-23): 1986	1.0 mg/l to 1000.0 mg/l			
10	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (Part-40): 1991	1.0 mg/l to 500.0 mg/l			
11	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025 (Part-32): 1989	0.5 mg/l to 1000.0 mg/l			
12	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part-4): 1983	1.0 hazen to 500.0 hazen			
13	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	IS 3025 (P-14): 2013	0.2 us/cm to 4000.0 us/cm			
14	CHEMICAL- WATER	Drinking Water	Fluoride	IS 3025 (P-60): 2008	0.2 mg/l to 20.0 mg/l			
15	CHEMICAL- WATER	Drinking Water	Hexavalent Chromium	IS 3025 (P-52): 2003	0.01 mg/l to 0.5 mg/l			
16	CHEMICAL- WATER	Drinking Water	Iron	IS 3025 (Part-53): 2003	0.01 mg/l to 2.0 mg/l			
17	CHEMICAL- WATER	Drinking Water	Magnesium	IS 3025 (Part-46): 1994	1.0 mg/l to 200.0 mg/l			





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18	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part-5): 1983	Qualitative
19	CHEMICAL- WATER	Drinking Water	pH Value	IS 3025 (Part-11): 1983	1.5 to 12.0
20	CHEMICAL- WATER	Drinking Water	Residual Free Chlorine	IS 3025 (P-26): 1986	0.1 mg/l to 10.0 mg/l
21	CHEMICAL- WATER	Drinking Water	Sodium	IS 3025 (P-45): 1993	0.01 mg/l to 2000.0 mg/l
22	CHEMICAL- WATER	Drinking Water	Sulphide	IS 3025 (P-29): 1985	0.01 mg/l to 100.0 mg/l
23	CHEMICAL- WATER	Drinking Water	Temperature	IS 3025 (p-9): 1986	Qualitative
24	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part-16): 1984	3.0 mg/l to 20000.0 mg/l
25	CHEMICAL- WATER	Drinking Water	Total Hardness	IS 3025 (Part-21): 2009	1.0 mg/l to 15000.0 mg/l
26	CHEMICAL- WATER	Ground Water	Ammonia	IS 3025 (P-34): 1988	1.0 mg/l to 500.0 mg/l
27	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen	IS 3025 (P-34): 1988	0.05 mg/l to 700.0 mg/l
28	CHEMICAL- WATER	Ground Water	Anionic Surface Active Agent	IS 13428 ann-K: 1986	0.01 mg/l to 10.0 mg/l
29	CHEMICAL- WATER	Ground Water	COD	IS 3025 (P-58): 2006	1.0 mg/l to 10000.0 mg/l
30	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	IS 3025 (P-38): 1989	1.0 mg/l to 10.0 mg/l
31	CHEMICAL- WATER	Ground Water	Hexavalent Chromium	IS 3025 (P-52): 2003	0.3 mg/l to 2.0 mg/l
32	CHEMICAL- WATER	Ground Water	Nitrite Nitrogen	IS 3025 (P-34): 1991	0.05 mg/l to 1000.0 mg/l
33	CHEMICAL- WATER	Ground Water	pH Value	IS 3025 (P-11): 1983	1.5 to 12.0
34	CHEMICAL- WATER	Ground Water	Phosphate	IS 3025 (P-31): 1988	0.01 mg/l to 500.0 mg/l
35	CHEMICAL- WATER	Ground Water	Potassium	IS 3025 (P-45): 1993	0.2 mg/l to 2000.0 mg/l
36	CHEMICAL- WATER	Ground Water	Sodium	IS 3025 (P-45): 1993	0.2 mg/l to 2000.0 mg/l
37	CHEMICAL- WATER	Ground Water	Sulphite	IS 3025 (P-28): 1986	0.1 mg/l to 25.0 mg/l





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38	CHEMICAL- WATER	Ground Water	T. Kjheldhal Nitrogen	IS 3025 (P-34): 1988	0.2 mg/l to 1000.0 mg/l
39	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025 (P-16): 1984	10.0 mg/l to 20000.0 mg/l
40	CHEMICAL- WATER	Ground Water	Total Suspended Solids	IS 3025 (P-17): 1984	1.0 mg/l to 10000.0 mg/l
41	CHEMICAL- WATER	Industrial Water	Acidity	IS 3025 (P-22): 1986	1.0 mg/l to 5.0 mg/l
42	CHEMICAL- WATER	Industrial Water	Alkalinity	IS 3025 (P-23): 1986	1.0 mg/l to 1000.0 mg/l
43	CHEMICAL- WATER	Industrial Water	Anionic Surface Active Agent	IS 13428 Ann-K: 1986	0.01 mg/l to 100.0 mg/l
44	CHEMICAL- WATER	Industrial Water	Calcium	IS 3025 (P-40): 1991	1.0 mg/l to 500.0 mg/l
45	CHEMICAL- WATER	Industrial Water	Chloride	IS 3025 (P-32): 1989	0.5 mg/l to 1000.0 mg/l
46	CHEMICAL- WATER	Industrial Water	Colour	IS 3025 (P-4): 1983	1.0 Hazen to 500.0 Hazen
47	CHEMICAL- WATER	Industrial Water	Electrical Conductivity	IS 3025 (P-14): 2013	Qualitative
48	CHEMICAL- WATER	Industrial Water	Fluoride	IS 3025 (P-60): 2008	0.2 mg/l to 20.0 mg/l
49	CHEMICAL- WATER	Industrial Water	Hexavalent Chromium	IS 3025 (p-52): 2003	0.01 mg/l to 0.5 mg/l
50	CHEMICAL- WATER	Industrial Water	Iron	IS 3025 (P-53): 2003	0.01 mg/l to 2.0 mg/l
51	CHEMICAL- WATER	Industrial Water	Magnesium	IS 3025 (P-46): 1994	1.0 mg/l to 200.0 mg/l
52	CHEMICAL- WATER	Industrial Water	Nitrate	IS 3025 (P-34): 1988	0.01 mg/l to 100.0 mg/l
53	CHEMICAL- WATER	Industrial Water	Nitrite	IS 3025 (P-34): 1988	0.01 mg/l to 1000.0 mg/l
54	CHEMICAL- WATER	Industrial Water	Odour	IS 3025 (P-5): 1983	Qualitative
55	CHEMICAL- WATER	Industrial Water	pH Value	IS 3025 (P-11): 1983	1.5 to 12.0
56	CHEMICAL- WATER	Industrial Water	Phosphate	IS 3025 (P-31): 1988	0.05 mg/l to 50.0 mg/l
57	CHEMICAL- WATER	Industrial Water	Potassium	IS 3025 (P-45): 1993	0.01 mg/l to 2000.0 mg/l





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58	CHEMICAL- WATER	Industrial Water	Residual Free Chlorine	IS 3025 (P-26): 1986	0.1 mg/l to 10.0 mg/l
59	CHEMICAL- WATER	Industrial Water	Silica	IS 3025 (P-35): 1989	0.01 mg/l to 50.0 mg/l
60	CHEMICAL- WATER	Industrial Water	Sodium	IS 3025 (P-45): 1993	0.01 mg/l to 2000.0 mg/l
61	CHEMICAL- WATER	Industrial Water	Sulphate	IS 3025 (P-24): 1986	0.2 mg/l to 500.0 mg/l
62	CHEMICAL- WATER	Industrial Water	Sulphide	IS 3025 (P-29): 1985	0.01 mg/l to 100.0 mg/l
63	CHEMICAL- WATER	Industrial Water	Temperature	IS 3025 (P-9): 1986	Qualitative
64	CHEMICAL- WATER	Industrial Water	Total Dissolved Solids	IS 3025 (P-16): 1984	3.0 mg/l to 20000.0 mg/l
65	CHEMICAL- WATER	Industrial Water	Total Hardness	IS 3025 (P-21): 2009	1.0 mg/l to 15000.0 mg/l
66	CHEMICAL- WATER	Industrial Water	Turbidity	IS 3025 (P-10): 1984	0.2 NTU to 5000.0 NTU
67	CHEMICAL- WATER	Surface Water	Ammonia	IS 3025 (P-34): 1988	1.0 mg/l to 500.0 mg/l
68	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen	IS 3025 (P-34): 1988	0.05 mg/l to 700.0 mg/l
69	CHEMICAL- WATER	Surface Water	Anionic Surface Active Agent	IS 13428 Ann-K: 1986	0.01 mg/l to 10.0 mg/l
70	CHEMICAL- WATER	Surface Water	BOD	IS 3025 (P-44): 1993	1.0 mg/l to 10000.0 mg/l
71	CHEMICAL- WATER	Surface Water	COD	IS 3025 (P-58): 2006	1.0 mg/l to 10000.0 mg/l
72	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	IS 3025 (P-38): 1989	1.0 mg/l to 10.0 mg/l
73	CHEMICAL- WATER	Surface Water	Hexavalent Chromium	IS 3025 (P-52): 2003	0.3 mg/l to 2.0 mg/l
74	CHEMICAL- WATER	Surface Water	Nitrite Nitrogen	IS 3025 (P-34): 1988	0.05 mg/l to 1000.0 mg/l
75	CHEMICAL- WATER	Surface Water	Oil & Grease	IS 3025 (P-39): 1991	5.0 mg/l to 5000.0 mg/l
76	CHEMICAL- WATER	Surface Water	pH value	IS 3025 (P-11): 1983	1.5 to 12.0





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77	CHEMICAL- WATER	Surface Water	Phenolic Compounds	IS 3025 (P-43): 1992	0.005 mg/l to 10.0 mg/l
78	CHEMICAL- WATER	Surface Water	Phosphate	IS 3025 (P-31): 1988	0.01 mg/l to 500.0 mg/l
79	CHEMICAL- WATER	Surface Water	Potassium	IS 3025 (P-45): 1993	0.2 mg/l to 2000.0 mg/l
80	CHEMICAL- WATER	Surface Water	Sodium	IS 3025 (P-45): 1993	0.2 mg/l to 2000.0 mg/l
81	CHEMICAL- WATER	Surface Water	Sulphite	IS 3025 (P-28): 1986	0.1 mg/l to 25.0 mg/l
82	CHEMICAL- WATER	Surface Water	T. Kjheldahl Nitrogen	IS 3025 (P-34): 1988	0.2 mg/l to 1000.0 mg/l
83	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	IS 3025 (P-16): 1984	10.0 mg/l to 20000.0 mg/l
84	CHEMICAL- WATER	Surface Water	Total Suspended Solids	IS 3025 (P-17): 1984	1.0 mg/l to 10000.0 mg/l
85	CHEMICAL- WATER	Swimming Pool Water	Acidity	IS 3025 (P-22): 1986	1.0 mg/l to 5.0 mg/l
86	CHEMICAL- WATER	Swimming Pool Water	Alkalinity	IS 3025 (P-23): 1986	1.0 mg/l to 1000.0 mg/l
87	CHEMICAL- WATER	Swimming Pool Water	Anionic Surface Active Agent	IS 13428 Ann-K: 1986	0.01 mg/l to 100.0 mg/l
88	CHEMICAL- WATER	Swimming Pool Water	Calcium	IS 3025 (P-40): 1991	1.0 mg/l to 500.0 mg/l
89	CHEMICAL- WATER	Swimming Pool Water	Chloride	IS 3025 (P-32): 1989	0.5 mg/l to 1000.0 mg/l
90	CHEMICAL- WATER	Swimming Pool Water	Colour	IS 3025 (P-4): 1983	1.0 Hazen to 500.0 Hazen
91	CHEMICAL- WATER	Swimming Pool Water	Electrical Conductivity	IS 3025 (P-14): 2013	Qualitative
92	CHEMICAL- WATER	Swimming Pool Water	Fluoride	IS 3025 (P-60): 2008	0.2 mg/l to 20.0 mg/l
93	CHEMICAL- WATER	Swimming Pool Water	Hexavalent Chromium	IS 3025 (P-52): 2003	0.01 mg/l to 0.5 mg/l
94	CHEMICAL- WATER	Swimming Pool Water	Iron	IS 3025 (P-53): 2003	0.01 mg/l to 2.0 mg/l
95	CHEMICAL- WATER	Swimming Pool Water	Magnesium	IS 3025 (P-46): 1994	1.0 mg/l to 200.0 mg/l
96	CHEMICAL- WATER	Swimming Pool Water	Nitrate	IS 3025 (P-34): 1988	0.01 mg/l to 100.0 mg/l
97	CHEMICAL- WATER	Swimming Pool Water	Nitrite	IS 3025 (P-34): 1988	0.01 mg/l to 1000.0 mg/l





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98	CHEMICAL- WATER	Swimming Pool Water	Odour	IS 3025 (P-5): 1983	Qualitative
99	CHEMICAL- WATER	Swimming Pool Water	pH Value	IS 3025 (P-11): 1983	1.5 to 12.0
100	CHEMICAL- WATER	Swimming Pool Water	Phosphate	IS 3025 (P-31): 1988	0.05 mg/l to 50.0 mg/l
101	CHEMICAL- WATER	Swimming Pool Water	Potassium	IS 3025 (P-45): 1993	0.01 mg/l to 2000.0 mg/l
102	CHEMICAL- WATER	Swimming Pool Water	Silica	IS 3025 (P-35): 1989	0.01 mg/l to 50.0 mg/l
103	CHEMICAL- WATER	Swimming Pool Water	Sodium	IS 3025 (P-45): 1993	0.01 mg/l to 2000.0 mg/l
104	CHEMICAL- WATER	Swimming Pool Water	Sulphate	IS 3025 (P-24): 1986	0.2 mg/l to 500.0 mg/l
105	CHEMICAL- WATER	Swimming Pool Water	Sulphide	IS 3025 (P-29): 1985	0.01 mg/l to 100.0 mg/l
106	CHEMICAL- WATER	Swimming Pool Water	Temperature	IS 3025 (P-9): 1986	Qualitative
107	CHEMICAL- WATER	Swimming Pool Water	Total Dissolved Solids	IS 3025 (P-16): 1984	3.0 mg/l to 20000.0 mg/l
108	CHEMICAL- WATER	Swimming Pool Water	Total Hardness	IS 3025 (P-21): 2009	1.0 mg/l to 15000.0 mg/l
109	CHEMICAL- WATER	Swimming Pool Water	Turbidity	IS 3025 (P-10): 1984	0.2 NTU to 50.0 NTU
110	CHEMICAL- WATER	Swimming Pool Water inet	Residual Free Chlorine	IS 3025 (P-26): 1986	0.1 mg/l to 10.0 mg/l
111	CHEMICAL- WATER	Swimming Pool Water outlet	Residual Free Chlorine	IS 3025 (P-26): 1986	0.1 mg/l to 5.0 mg/l
112	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (P-1): 1992	3.5 N/mm2 to 35.0 N/mm2
113	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimensions	IS 1077: 1992	4520 mm to 4680 mm





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114	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (P-3): 1992	Qualitative
115	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (P-2): 1992	1.0 % to 30.0 %
116	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fine Value	IS 2386 (P-4): 1963	5.0 tons to 40.0 tons
117	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (P-3): 1963	1.3 kg/ltr to 2.0 kg/ltr
118	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (P-4): 1963	5.0 % to 60.0 %
119	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (P-1): 1963	5.0 % to 70.0 %
120	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (P-1): 1963	5.0 % to 70.0 %
121	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (P-4): 1963	5.0 % to 60.0 %
122	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los-Angeles Abrasion Value	IS 2386 (P-4): 1963	5.0 % to 60.0 %
123	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (P-1): 1963	6.3 mm to 40.0 mm





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124	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (P-3): 1963	1.9 to 3.0
125	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (P-3): 1963	0.1 % to 5.0 %
126	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516: 1959	5.0 N/mm2 to 70.0 N/mm2
127	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (P-3): 1963	1.2 kg/ltr to 2.0 kg/ltr
128	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 micron	IS 2386 (P-2): 1963	0.1 % to 20.0 %
129	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (P-1): 1963	75.0 micron to 4.75 mm





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	Mobile Facility						
1	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (P-1): 1963	75.0 micron to 4.75 mm		