National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CHITRADURGA DISTRICT WATER QUALITY TESTING LABORATORY, RURAL DRNKING WATER AND SANITATION DEPARTMENT, ZILLA PANCHAYATH PREMISES, STADIUM ROAD, CHITRADURGA, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10414 **Page No** 1 of 4

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- WATER	Drinking Water	Calcium as Ca	IS 3025 (Part40) (EDTA Titrimetric method)
2	CHEMICAL- WATER	Drinking Water	Chloride as Cl	IS 3025 (Part 32) Argentometric method
3	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part 4) Visual comparision method
4	CHEMICAL- WATER	Drinking Water	Electrical conductivity	IS 3025 (Part 14)
5	CHEMICAL- WATER	Drinking Water	Fluoride as F	APHA 23rd Edition 4500-F: D (SPADNS Method) :
6	CHEMICAL- WATER	Drinking Water	Iron as Fe	IS 3025(Part 53) (1,10 Phenanthroline method)
7	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	APHA 23rd Ed. 3500 Mg+2
8	CHEMICAL- WATER	Drinking Water	Nitrate as NO3	APHA 23rd Edition 4500-NO3 -B (UV Spectrophotometric Screening method) :
9	CHEMICAL- WATER	Drinking Water	Odour	IS3025(Part5)
10	CHEMICAL- WATER	Drinking Water	pH	IS3025(part 14) Electrometric method
11	CHEMICAL- WATER	Drinking Water	Sulphate as SO4	IS 3025(Part 24) Turbidity method
12	CHEMICAL- WATER	Drinking Water	Taste	IS 3025(Part7&8)
13	CHEMICAL- WATER	Drinking Water	Total alkalinity as CaCO3	IS 3025(Part 23) (Indicator method)
14	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025(Part 16) Gravimetric method
15	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	IS 3025(Part 21) (EDTA method)
16	CHEMICAL- WATER	Drinking Water	Turbidity	IS3025(part 10) Nephelometric method
17	CHEMICAL- WATER	Ground Water/Borewell water	Calcium as Ca	IS 3025 (Part40) (EDTA Titrimetric method)
18	CHEMICAL- WATER	Ground water/Borewell water	Chloride as Cl	IS 3025(Part 32) (Argentometric method)
19	CHEMICAL- WATER	Ground water/Borewell water	Colour	IS 3025 (Part 4) (Visual comparision method)
20	CHEMICAL- WATER	Ground water/Borewell water	Electrical conductivity	IS 3025 (Part 14)

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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
21	CHEMICAL- WATER	Ground Water/Borewell Water	Fluoride as F	APHA 23rd Edition 4500-F: D (SPADNS Method)
22	CHEMICAL- WATER	Ground Water/Borewell Water	Iron as Fe	IS 3025(Part 53) (1,10 Phenanthroline method)
23	CHEMICAL- WATER	Ground water/Borewell Water	Magnesium as Mg	APHA 23rd Ed. 3500 Mg+2
24	CHEMICAL- WATER	Ground Water/Borewell water	Nitrate as NO3	APHA 23rd Edition 4500-NO3 -B (UV Spectrophotometric Screening method)
25	CHEMICAL- WATER	Ground Water/Borewell water	Odour	IS 3025 (Part 5)
26	CHEMICAL- WATER	Ground water/Borewell water	pH	IS3025(part 14) (Electrometric method)
27	CHEMICAL- WATER	Ground Water/Borewell Water	Sulphate as SO4	IS 3025(Part 24) (Turbidity method)
28	CHEMICAL- WATER	Ground Water/Borewell Water	Total alkalinity as CaCO3	IS 3025(Part 23) (Indicator method)
29	CHEMICAL- WATER	Ground Water/Borewell Water	Total Dissolved Solids	IS 3025(Part 16) (Gravimetric method)
30	CHEMICAL- WATER	Ground Water/Borewell Water	Total Hardness as CaCO3	IS 3025(Part 21) (EDTA Method)
31	CHEMICAL- WATER	Ground Water/Borewell water	Turbidity	IS 3025 (Part 10) (Nephelometric method)
32	CHEMICAL- WATER	Surface Water	Calcium as Ca	IS 3025 (Part40) (EDTA Titrimetric method)
33	CHEMICAL- WATER	Surface Water	Chloride as Cl	IS 3025(Part 32) (Argentometric method)
34	CHEMICAL- WATER	Surface Water	Colour	IS 3025 (Part 4) (Visual comparision method)
35	CHEMICAL- WATER	Surface Water	Electrical conductivity	IS 3025 (Part 14)
36	CHEMICAL- WATER	Surface Water	Fluoride as F	APHA 23rd Edition 4500-F: D (SPADNS Method)
37	CHEMICAL- WATER	Surface Water	Iron as Fe	IS 3025(Part 53) (1,10 Phenanthroline method)
38	CHEMICAL- WATER	Surface Water	Magnesium as Mg	APHA 23rd Ed. 3500 Mg+2
39	CHEMICAL- WATER	Surface Water	Nitrate as NO3	APHA 23rd Edition 4500-NO3 -B (UV Spectrophotometric Screening method)
40	CHEMICAL- WATER	Surface Water	Odour	IS 3025 (Part 5):

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41	CHEMICAL- WATER	Surface Water	pH	IS 3025 (Part 11) (Electrometric method)
42	CHEMICAL- WATER	Surface Water	Sulphate as SO4	IS 3025 (part 24) (Turbidity method)
43	CHEMICAL- WATER	Surface Water	Total alkalinity as CaCO3	IS 3025(Part 23) (Indicator method)
44	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	IS 3025(Part 16) (Gravimetric method)
45	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	IS 3025(Part 21) (EDTA method)
46	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (Part 10) (Nephelometric method)
47	CHEMICAL- WATER	Water from purification plant	Calcium as Ca	IS 3025 (Part40) (EDTA Titrimetric method)
48	CHEMICAL- WATER	Water from purification plant	Chloride as Cl	IS 3025(Part 32) (Argentometric method)
49	CHEMICAL- WATER	Water from purification plant	Colour	IS 3025 (Part 4) (Visual comparision method)
50	CHEMICAL- WATER	Water from purification plant	Electrical conductivity	IS 3025 (Part 14)
51	CHEMICAL- WATER	Water from purification plant	Fluoride as F	APHA 23rd Edition 4500-F: D (SPADNS Method)
52	CHEMICAL- WATER	Water from purification plant	Iron as Fe	IS 3025(Part 53) (1,10 Phenanthroline method)
53	CHEMICAL- WATER	Water from purification plant	Magnesium as Mg	APHA 23rd Ed. 3500 Mg+2
54	CHEMICAL- WATER	Water from purification plant	Nitrate as NO3	APHA 23rd Edition 4500-NO3- B (UV Spectrophotometric Screening method)
55	CHEMICAL- WATER	Water from purification plant	Odour	IS3025(Part5)
56	CHEMICAL- WATER	Water from purification plant	pH	IS3025(part 14) (Electrometric method)
57	CHEMICAL- WATER	Water from purification plant	Sulphate as SO4	IS 3025(Part 24) (Turbidity method)
58	CHEMICAL- WATER	Water from purification plant	Taste	IS 3025(Part7&8)
59	CHEMICAL- WATER	Water from purification plant	Total alkalinity as CaCO3	IS 3025(Part 23) (Indicator method)
60	CHEMICAL- WATER	Water from purification plant	Total Dissolved Solids	IS 3025(Part 16) (Gravimetric method)

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61	CHEMICAL- WATER	Water from purification plant	Total Hardness as CaCO3	IS 3025(Part 21) (EDTA method)
62	CHEMICAL- WATER	Water from purification plant	Turbidity	IS3025(part 10) (Nephelometric method)