

Under PPP Mode, Govt. of Odisha.

TEST REPORT

Customer Name & Address: M/s Public Health Engineering of Odisha, Office of the General Manager WATCO Division, Cuttack, Odisha.	Test Report No.: CTK1902025/01987	
Contact Person: Mr. Omprakash Sahoo.	Contact No.: 9438300004	
E-mail ID: omsahoo1966@gmail.com	Date of Sample Receipt: 19.02.2025	
Type of Sample (Source): Tap Water	Sample Quantity (Received): 2.5 Ltr.	
Sampling Location: SRI SATHYA SAI SCHOOL K.V.K ROAD CUTTACK-I	Date of Start of Testing: 19.02.2025	
Sample Condition: Good	Date of Completion of Test: 21.02.2025	
Sample Submitted at Laboratory By: Sample Collector	Test Report Issue Date: 26.02.2025	
Special Instruction (If Any): No	Sample ID: CTK250219/01987	
Customer reference No. & Date: As per Contract.	Total No. Pages	Page No.:
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(Chemical Testing – Water)

TEST RESULTS

Sr. No.	TEST PARAMETERS	TEST METHODS	OBSERVED RESULTS	Limits Max. (as per IS 10500)	
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source
1	pH, at 25 °C	IS 3025 (Pt-11), 2022	7.59	6.5 - 8.5	No relaxation
2	Conductivity (µS/cm), at 25 °C	IS 3025 (Pt-14) 2013, RA-2019	244.4	NA	NA
3	Turbidity (NTU)	IS 3025 (Pt-10), 2023	1.71	1 NTU	5 NTU
4	Total Dissolved Solids (mg/l), at 180 °C	IS 3025 (Pt-16), 2023	165	500 mg/l	2000 mg/l
5	Total Suspended Solids (mg/l), at 104 °C	IS 3025 (Pt-17), 2022	0	NA	NA
6	Dissolve Oxygen, (mg/l)	IS 3025 (Pt-38) 1989, (Cl. 4.2), RA - 2019	6.2	NA	NA
7	Total Alkalinity (as CaCO ₃), mg/l	IS 3025 (Pt-23), 2023	80	200 mg/l	600 mg/l
8	Total Hardness (as CaCO ₃), mg/l	IS 3025 (Pt-21) 2009, RA - 2019	100	200 mg/l	600 mg/l
9	Calcium (as Ca), mg/l	IS 3025 (Pt-40) 2024, (Cl-5)	25.65	75mg/l	200 mg/l
10	Magnesium (as Mg), mg/l	APHA 24 th Edition 3500-Mg (B), 2023	8.74	30 mg/l	100 mg/l
11	Chlorides (as Cl), mg/l	IS 3025 (Pt-32) 1988, (Cl. 2), RA -2019	15.49	250 mg/l	1000 mg/l
12	Odour	IS 3025 (Pt-5) 2018	Agreeable	Agreeable	Agreeable
13	Taste	IS 3025 (Pt-8), 2023	Agreeable	Agreeable	Agreeable
14	Sodium (as Na), mg/l	IS 3025 (Pt-45) 1993, (Cl.5), 2024	9.1	NA	NA
15	Potassium (as K), mg/l	IS 3025 (Pt-45) 1993, (Cl.5), 2024	1.9	NA	NA
16	Residual Free Chlorine, (mg/l)	IS 3025 (Pt-26), (Cl.7.2), 2021	0.5	0.2 mg/l	1 mg/l
17	Colour, (CU)	APHA 24 th Edition 2120 (C), 2023	7.64	When Water is Chlorinated 5 HU 15 HU	
18	Ammonical Nitrogen (as NH ₃ -N), mg/l	IS 3025 (Pt-34/Sec-1) 2023, (Cl-5.4)	0.068	0.5 mg/l	No relaxation
19	Iron (as Fe), mg/l	IS 3025 (Pt-53) 2024, (Cl. 6)	0.35	1.0 mg/l	No relaxation
20	Nitrate (as NO ₃), mg/l	APHA 24 th Edition 4500 N-NO ₃ ⁻ (B), 2023	9.58	45 mg/l	No relaxation
21	Nitrite (as NO ₂), mg/l	IS 3025 (Pt-34/Sec1) (Cl. 7), 2023	0.071	NA	NA
22	Fluoride (as F ⁻), mg/l	APHA 24 th Edition 4500 F ⁻ (D), 2023	0.087	1.0 mg/l	1.5 mg/l
23	Sulphate (as SO ₄ ²⁻), mg/l	IS 3025 (Pt-24/Sec1) (Cl.5), 2022	6.76	200 mg/l	400 mg/l
24	Phosphate (as PO ₄ ³⁻), mg/l	APHA 24 th Edition 4500- P (C), 2023	0.069	NA	NA
25	Silica (as SiO ₂), mg/l	IS 3025 (Pt-35) 2024, (Cl. 6)	8.30	NA	NA
26	Sulphide (as H ₂ S), mg/l	IS 3025 (Pt-29), 2022 (Cl. 7)	0.020	0.05 mg/l	No relaxation

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	Sample ID No.: CTK250219/01838	
Special Instruction (If Any): No	Total No. Pages	Page No.:
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2. (Biological Testing – Water)


TEST RESULTS

Sr. No.	TEST PARAMETERS	TEST METHODS	OBSERVE D RESULTS	Limits Max. (as per IS 10500)
				Acceptable Limit
1	Coliform (CFU/100 ml)	IS: 15185	Absent (<1 CFU)	Absent/100 ml
2	E.Coli (CFU/100 ml)	IS: 15185	Absent (< 1 CFU)	Absent/100 ml
3	F. Streptococci (CFU/100 ml)	IS: 15186	Absent (< 1 CFU)	NA

NOTE-< 1: Not detected in 100ml.

- Remarks:**
1. Test results are related to the sample submitted by the customer only.
 2. Test report refers to the values obtained at the time of testing & results are related to the sample tested as above under the stated condition.
 3. The report shall not be reproduced in part / full without written consent of the laboratory.

----- End of Report -----


 Reviewed and Authorized By
 (Biological)


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