

Under PPP Mode, Govt. of Odisha.

## TEST REPORT

<b>Customer Name &amp; Address:</b> M/s Office of the General Manager WATCO Division, Cuttack, Odisha.	<b>Test Report No.:</b> CTK27092025/10471	
<b>Contact Person:</b> Mr. Omprakash Sahoo.	<b>Contact No.:</b> 9438300004	
<b>E.mail ID:</b> omsahoo1966@gmail.com	<b>Date of Sample Receipt:</b> 27.09.2025	
<b>Type of Sample (Source) :</b> Drinking Water (Distribution Source)	<b>Sample Quantity (Received):</b> 2 Ltr.	
<b>Sampling Location:</b> KENDRIYA VIDYALAYA NO-1 DIRECT LINE, CUTTACK	<b>Date of Start of Testing:</b> 27.09.2025	
<b>Sample Condition:</b> Good	<b>Date of Completion of Test:</b> 30.09.2025	
<b>Sample Submitted at Laboratory By:</b> Sample Collector	<b>Test Report Issue Date:</b> 01.10.2025	
<b>Special Instruction (If Any):</b> No	<b>Sample ID:</b> CTK250927/10471	
<b>Customer reference No. &amp; Date:</b> As per Contract.	<b>Total No. Pages</b>	<b>Page No.:</b>
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### 1. (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	7.64	6.5 - 8.5	No relaxation
2	Conductivity (µS/cm), at 25 °C	IS 3025 (Pt-14) 2013, RA-2019	247.8	NA	NA
3	Turbidity (NTU)	IS 3025 (Pt-10) ,2023	4.5	1 NTU	5 NTU
4	Total Dissolved Solids (mg/l), at 180 °C	IS 3025 (Pt-16), 2023	167	500 mg/l	2000 mg/l
5	Total Suspended Solids (mg/l), at 104 °C	IS 3025 (Pt-17), 2022	2	NA	NA
6	Dissolve Oxygen, (mg/l)	IS 3025 (Pt-38) 1989,(Cl. 4.2),RA -2019	4.9	NA	NA
7	Total Alkalinity (as CaCO <sub>3</sub> ), mg/l	IS 3025 (Pt-23) ,2023	60	200 mg/l	600 mg/l
8	Total Hardness (as CaCO <sub>3</sub> ), mg/l	IS 3025 (Pt-21) 2009, RA - 2019	80	200 mg/l	600 mg/l
9	Calcium (as Ca), mg/l	IS 3025 (Pt-40) 2024, (Cl-5)	20.04	75mg/l	200 mg/l
10	Magnesium (as Mg), mg/l	APHA 24 <sup>th</sup> Edition 3500-Mg (B), 2023	7.29	30 mg/l	100 mg/l
11	Chlorides (as Cl) ,mg/l	IS 3025 (Pt-32) 1988, (Cl. 2) , RA -2019	16.49	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	8.3	NA	NA
15	Potassium (as K), mg/l	IS 3025 (Pt-45) 1993,(Cl.5), 2024	2.2	NA	NA
16	Colour, (CU)	APHA 24 <sup>th</sup> Edition 2120 (C) ,2023	4.51	5 HU	15 HU
17	Ammonical Nitrogen(as NH <sub>3</sub> -N), mg/l	IS 3025 (Pt-34/Sec-1) 2023, (Cl-5.4)	0.053	0.5 mg/l	No relaxation
18	Iron (as Fe), mg/l	IS 3025 (Pt-53) 2024, (Cl. 6)	0.091	1.0 mg/l	No relaxation
19	Nitrate (as NO <sub>3</sub> ), mg/l	APHA 24 <sup>th</sup> Edition 4500 N-NO <sub>3</sub> <sup>-</sup> (B), 2023	9.36	45 mg/l	No relaxation
20	Nitrite (as NO <sub>2</sub> ), mg/l	IS 3025 (Pt-34/Sec1) (Cl. 7),2023	0.067	NA	NA
21	Fluoride (as F <sup>-</sup> ), mg/l	APHA 24 <sup>th</sup> Edition 4500 F <sup>-</sup> (D),2023	0.052	1.0 mg/l	1.5 mg/l
22	Sulphate (as SO <sub>4</sub> <sup>2-</sup> ), mg/l	IS 3025 (Pt-24/Sec1) (Cl.5), 2022	6.15	200 mg/l	400 mg/l
23	Phosphate (as PO <sub>4</sub> <sup>3-</sup> ), mg/l	APHA 24 <sup>th</sup> Edition 4500- P (C),2023	0.074	NA	NA
24	Silica(as SiO <sub>2</sub> ), mg/l	IS 3025 (Pt-35) 2024, (Cl. 6)	9.41	NA	NA
25	Sulphide (as H <sub>2</sub> S), mg/l	IS 3025 (Pt-29) ,2022(Cl. 7)	0.018	0.05 mg/l	No relaxation

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<b>Special Instruction (If Any):</b> No	<b>Total No. Pages</b>	<b>Page No.:</b>
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**2. (Biological Testing – Water)**

### TEST RESULTS

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

- Remarks:**
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----- End of Report -----



Reviewed and Authorized By  
 (Biological)



Reviewed and Authorized By  
 (Chemical)

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## TEST REPORT

Customer Name & Address: M/s Office of the General Manager WATCO Division, Cuttack, Odisha.	Test Report No.: CTK27092025/10470	
Contact Person: Mr. Omprakash Sahoo.	Contact No.: 9438300004	
E.mail ID: omsahoo1966@gmail.com	Date of Sample Receipt: 27.09.2025	
Type of Sample (Source) : Drinking Water (Distribution Source)	Sample Quantity (Received): 2 Ltr.	
Sampling Location: KENDRIYA VIDYALAYA NO-1, CUTTACK	Date of Start of Testing: 27.09.2025	
Sample Condition: Good	Date of Completion of Test: 30.09.2025	
Sample Submitted at Laboratory By: Sample Collector	Test Report Issue Date: 01.10.2025	
Special Instruction (If Any): No	Sample ID: CTK250927/10470	
Customer reference No. & Date: As per Contract.	Total No. Pages	Page No.:
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### I. (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	7.17	6.5 - 8.5	No relaxation
2	Conductivity (µS/cm), at 25 °C	IS 3025 (Pt-14) 2013, RA-2019	45.84	NA	NA
3	Turbidity (NTU)	IS 3025 (Pt-10), 2023	2.11	1 NTU	5 NTU
4	Total Dissolved Solids (mg/l), at 180 °C	IS 3025 (Pt-16), 2023	34	500 mg/l	2000 mg/l
5	Total Suspended Solids (mg/l), at 104 °C	IS 3025 (Pt-17), 2022	1	NA	NA
6	Dissolve Oxygen, (mg/l)	IS 3025 (Pt-38) 1989, (Cl. 4.2), RA -2019	4.2	NA	NA
7	Total Alkalinity (as CaCO <sub>3</sub> ), mg/l	IS 3025 (Pt-23), 2023	15	200 mg/l	600 mg/l
8	Total Hardness (as CaCO <sub>3</sub> ), mg/l	IS 3025 (Pt-21) 2009, RA - 2019	18	200 mg/l	600 mg/l
9	Calcium (as Ca), mg/l	IS 3025 (Pt-40) 2024, (Cl-5)	4.00	75mg/l	200 mg/l
10	Magnesium (as Mg), mg/l	APHA 24 <sup>th</sup> Edition 3500-Mg (B), 2023	1.94	30 mg/l	100 mg/l
11	Chlorides (as Cl), mg/l	IS 3025 (Pt-32) 1988, (Cl. 2), RA -2019	11.99	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	6.1	NA	NA
15	Potassium (as K), mg/l	IS 3025 (Pt-45) 1993, (Cl.5), 2024	1.5	NA	NA
16	Colour, (CU)	APHA 24 <sup>th</sup> Edition 2120 (C), 2023	1.40	5 HU	15 HU
17	Ammonical Nitrogen (as NH <sub>3</sub> -N), mg/l	IS 3025 (Pt-34/Sec-1) 2023, (Cl-5.4)	0.026	0.5 mg/l	No relaxation
18	Iron (as Fe), mg/l	IS 3025 (Pt-53) 2024, (Cl. 6)	0.013	1.0 mg/l	No relaxation
19	Nitrate (as NO <sub>3</sub> ), mg/l	APHA 24 <sup>th</sup> Edition 4500 N-NO <sub>3</sub> <sup>-</sup> (B), 2023	3.86	45 mg/l	No relaxation
20	Nitrite (as NO <sub>2</sub> ), mg/l	IS 3025 (Pt-34/Sec1) (Cl. 7), 2023	0.009	NA	NA
21	Fluoride (as F <sup>-</sup> ), mg/l	APHA 24 <sup>th</sup> Edition 4500 F <sup>-</sup> (D), 2023	0.012	1.0 mg/l	1.5 mg/l
22	Sulphate (as SO <sub>4</sub> <sup>2-</sup> ), mg/l	IS 3025 (Pt-24/Sec1) (Cl.5), 2022	1.76	200 mg/l	400 mg/l
23	Phosphate (as PO <sub>4</sub> <sup>3-</sup> ), mg/l	APHA 24 <sup>th</sup> Edition 4500- P (C), 2023	0.006	NA	NA
24	Silica (as SiO <sub>2</sub> ), mg/l	IS 3025 (Pt-35) 2024, (Cl. 6)	2.45	NA	NA
25	Sulphide (as H <sub>2</sub> S), mg/l	IS 3025 (Pt-29), 2022 (Cl. 7)	0.010	0.05 mg/l	No relaxation

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### TEST RESULTS

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

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