

STATE WATER TESTING LABORATORY, R.W.S.&S., ODISHA
KHANDAGIRI, BHUBANESWAR

Phone – (0674) 2951880; E-mail. – rwssentrallabodisha@gmail.com



WATER ANALYSIS REPORT

TEST REPORT NO. - SWTL-TR/1893/2024/S1-S1
 ULR - TC609424000001069F
 DATE OF ISSUE - 27.12.2024



TC -6094

Sample Particulars		Details of Sample	
Name of the Customer :-	M/s Hindustan Steel Works Construction Ltd. Ekalabya Model Residential School, Baripada, Mayurbhanj, Odisha.	Type of Source: -	Ground Water/ Tap
		Date of Sampling: -	23.12.2024
Sample Package Condition:- a) Quantity of Sample Received- 1ltr b) Type of Container - pp		Sample receive date:- Vide letter No.	23.12.2024/ Vide letter No. Nil/ Dated /23.12.2024
		Sample Registration Date	23.12.2024
		Sampling Protocol:-	Samples are not collected by this laboratory
		Sample Collected by:-	M/s Hindustan Steel Works Construction Ltd.
		Sample Location:-	Ekalabya Model Residential School, Baripada, Mayurbhanj, Odisha.

TEST RESULT

Test Started on-		27.12.2024		Test Completed on-		27.12.2024	
Sl.	Test Parameters	Units	Results	Requirements IS 10500 : 2012		Test Method	
				Acceptable Limit	Permissible Limit in absence of alternate source		
1	pH	pH Unit	1- 7.07	6.5 to 8.5	No relaxation	APHA 23 rd Ed 4500-H ⁺ B (Electrometric Method)	
2	Elect Conductivity	µmho/cm	1- 271.0	---	---	APHA 23 rd Ed 2510 B (Instrumental Method)	
3	Chloride	mg/l	1- 12.0	250	1000	APHA 23 rd Ed 4500 - Cl- B (Argentometric Method)	
4	Total Hardness (as CaCO ₃)	mg/l	1- 120.0	200	600	APHA 23 rd Ed 2340 C (EDTA Titrimetric Method)	
5	Total Alkalinity (as CaCO ₃)	mg/l	1- 136.0	200	600	APHA 23 rd Ed. - 2320 B (Titration Method)	
6	Iron	mg/l	1- 0.196	1.0	No relaxation	APHA 23 rd Ed 3500 - Fe B (Phenanthroline Method)	
7	Turbidity	NTU	1- 3.48	1.0	5.0	APHA 23 rd Ed. - 2130. B (Nephelometric Method)	
8	Calcium (as Ca)	mg/l	1- 33.67	75	200	EDTA Titration Method (APHA 23 rd Ed. - 3500 Ca B)	
9	Magnesium (as Mg)	mg/l	1- 8.75	30	100	Calculation Method (APHA 23 rd Ed. - 3500 Mg B)	

Note :- The samples were tested with dilution.

Information on Test Report :

Results relates only to samples received in the Laboratory.

The test report shall not be reproduced except in full without written approval of SWTL.

APHA - American Public Health Association

Reviewed by

Technical Manager

W. S. S. S. S.
 Analyst (Chemist) & Quality Manager.
 State Water Testing Laboratory
 Authorised Signatory

***** End of Report*****

**STATE WATER TESTING LABORATORY, R.W.S.&S., ODISHA
KHANDAGIRI, BHUBANESWAR**

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WATER ANALYSIS REPORT

TEST REPORT NO.- SWTL-TR/1893/2024/S1-S1

DATE OF ISSUE - 27.12.2024

Sample Particulars		Details of Sampling	
Name of the Customer :-	M/s Hindustan Steel Works Construction Ltd. Ekalabya Model Residential School, Baripada, Mayurbhanj, Odisha.	Type of Source:-	Ground Water/ Tap
		Date of Sampling:-	23 12 2024
Sample Package Condition:- a) Quantity of Sample Received - 1Ltr b) Type of Container - pp		Sample receive date:- Vide letter No.	23 12 2024/ Vide letter No. Nil Dated 23 12 2024
		Sample Registration Date	23 12 2024
		Sampling Protocol:-	Samples are not collected by this laboratory
		Sample Collected by:-	M/s Hindustan Steel Works Construction Ltd.
		Sample Location:-	Ekalabya Model Residential School, Baripada, Mayurbhanj, Odisha.

TEST RESULT

Test Started on-		27.12.2024		Test Completed on-		27.12.2024	
Sl.	Test Parameters	Units	Result	Requirements IS 10500 : 2012		Test Method	
				Acceptable Limit	Permissible Limit in absence of alternate source		
1	Colour	Hazen Unit	1- 5.0	5	15	Visual Comparison Method (APHA 23 rd Ed 2120 - B)	
2	Odour	---	1- Agreeable	Agreeable	Agreeable	Threshold Odour Test (APHA 23 rd Ed 2150 - B)	
3	Taste	---	1- Agreeable	Agreeable	Agreeable	---	

Bacteriological Test

Test Started on-		23.12.2024		Test Completed on-		24.12.2024	
4	Total Coliform Bacteria	CFU/100ml	1- 0.00	Shall not be detectable in any 100 ml Samples		MFT Method	
5	E. coli.	CFU/ 100ml	1- 0.00				

Note: - The samples were tested with dilution.

Information on Test Report:

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APHA – American Public Health Association

Jmishra
27.12.24
Microbiologist

Reviewed by
[Signature]
Technical Manager

[Signature]
Analyst (Chemist) & Quality Manager
State Water Testing Laboratory
Authorized Signatory

***** End of Report*****

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WATER ANALYSIS REPORT

TEST REPORT NO.- SWTL-TR/1892/2024/S1-S1
 DATE OF ISSUE – 27.12.2024

Sample Particulars		Details of Sampling	
Name of the Customer :- M/s Hindustan Steel Works Construction Ltd. Ekalabya Model Residential School, Baripada, Mayurbhanj, Odisha.	Type of Source:-	Drinking Water/ Tap	
	Date of Sampling:-	23.12.2024	
	Sample receive date:- Vide letter No.	23.12.2024/ Vide letter No. Nil/ Dated /23.12.2024	
Sample Package Condition:- a) Quantity of Sample Received - 1ltr b) Type of Container - pp	Sample Registration Date	23.12.2024	
	Sampling Protocol:-	Samples are not collected by this laboratory	
	Sample Collected by:-	M/s Hindustan Steel Works Construction Ltd.	
	Sample Location:-	Ekalabya Model Residential School, Baripada, Mayurbhanj, Odisha.	

TEST RESULT

Test Started on-		27.12.2024		Test Completed on-		27.12.2024	
Sl.	Test Parameters	Units	Result	Requirements IS 10500 : 2013		Test Method	
				Acceptable Limit	Permissible Limit in absence of alternate source		
1	Colour	Hazen Unit	1- 3.0	5	15	Visual Comparison Method (APHA 23 rd Ed 2120 - B)	
2	Odour	---	1- Agreeable	Agreeable	Agreeable	Threshold Odour Test (APHA 23 rd Ed 2150 - B)	
3	Taste	---	1- Agreeable	Agreeable	Agreeable	---	

Bacteriological Test

Test Started on-		23.12.2024		Test Completed on-		24.12.2024	
4	Total Coliform Bacteria	CFU/100ml	1- 0.00	Shall not be detectable in any 100 ml Samples		MFT Method	
5	E. coli.	CFU/ 100ml	1- 0.00				

Note: - The samples were tested with dilution.

Information on Test Report:

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J. Mishra
27.12.24
Microbiologist

Reviewed by
[Signature]
27/12/24
Technical Manager

[Signature]
Analyst (Chemist) & Quality Manager
State Water Testing Laboratory
Authorized Signatory

***** End of Report*****