

DISTRICT WATER TESTING LABORATORY,

RWS&S DIVISION, BARIPADA

E-MAIL : rwssdistlabbaripada@gmail.com

TEST REPORT

TEST REPORT NO.- DWTLB-TR/177/2024/S-1/01

ULR - TC1108424000000035F

DATE OF ISSUE 19.09.2024

TC-11084

Sample Particulars

Name of the Customer :- Eklavya Model Residential School (EMRS)-Phase-I, At-Badasahi, Block-Badasahi, Mayurbhanj, Odisha.

Sample Package Condition:-

a) Quantity of Sample Received – 1000ml

b) Type of Container - pp

Details of Sampling

Type of Source:-	Drinking Water
Date of Sampling:-	Not Specified
Sample receive date:- Vide letter No.	18.09.2024/ Vide letter No. HSCL/BBSR/ZH/EMRS-Barsahi/2024/01 Dated – 18.09.2024
Sample Registration Date:-	17.09.2024
Sampling Protocol:-	Samples are not collected by this laboratory.
Sample Collected by:-	Hindustan Steelworks Construction Ltd., Tanmaya Biswal, Site Engineer (Civil), HSCL
Sample Location:-	As per letter under reference(above)

TEST RESULT

Test Started on-		18.09.2024		Test Completed on-		19.09.2024
Sl.	Test Parameters	Units	Results	Requirements IS 10500 : 2012		Test Method
				Acceptable Limit	Permissible Limit in absence of alternate source	
1	Temperature	°C	25.4°C for each Sample	-----	-----	Instrumental Method
2	pH	----	6.65	6.5 to 8.5	No relaxation	Electrometric Method. (APHA 23 rd Ed 4500-H ⁺ B)
3	Elect. Conductivity	µmho/cm	435.0	----	----	Laboratory Method (APHA 23 rd Ed 2510 B)
4	Chloride	mg/l	88	250	1000	Argentometric Method (APHA 23 rd Ed 4500 – Cl- B)
5	Total Hardness (as CaCO ₃)	mg/l	204.0	200	600	EDTA Titrimetric Method (APHA 23 rd Ed 2340 C)
6	Total Alkalinity (as CaCO ₃)	mg/l	196.0	200	600	Titration Method (APHA 23 rd Ed. - 2320 B)
7	Iron	mg/l	0.42	1.0	No relaxation	Phenanthroline Method (APHA 23 rd Ed 3500 – Fe B)
8	Turbidity	NTU	2.7	1.0	5.0	Nephelometric Method (APHA 23 rd Ed. - 2130. B)
9	TDS	mg/l	282.0	500	2000	APHA 23rd Ed. -2540 C (TDS Method (Dried at 180 degree C)

10	Calcium (as Ca)	mg/l	60.92	75	200	EDTA Titration Method (APHA 23 rd Ed. - 3500 Ca B)
11	Magnesium (as Mg)	mg/l	12.64	30	100	Calculation Method (APHA 23 rd Ed. - 3500 Mg B)
12	Colour	Hazen Unit	5	5	15	Visual Comparison Method (APHA 23 rd Ed. - 2120. B)
13	Odour		Agreeable	Agreeable	Agreeable	Threshold Odour Test (APHA 23 rd Ed. 2150 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 DWTLB .

#APHA – American Public Health Association

Checked & Reviewed by


Technical Manager
 District Water Testing Laboratory
 RWS & S Division, Baripada, MBJ.


Quality Manager
 District Water Testing Laboratory,
 RWS&S Division, Baripada.
Authorised Signatory
Quality Manager
 District Water Testing Laboratory
 RWS & S Division, Baripada, MBJ.

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

Page - 2/2

**DISTRICT WATER TESTING LABORATORY,
RWS&S DIVISION, BARIPADA**
E-MAIL : rwssdistlabbaripada@gmail.com



TEST REPORT

TEST REPORT NO.- DWTLB-TR/177/2024/S-1/1
DATE OF ISSUE-19.09.2024

Sample Particulars		Details of Sampling	
Name of the Customer :-	Eklavya Model Residential School (EMRS)-Phase-I, At-Badasahi, Block-Badasahi, Mayurbhanj, Odisha.	Type of Source:-	Surface Water
		Date of Sampling:-	Not Specified
		Sample receive date:- Vide letter No.	18.09.2024/ Vide letter No. HSCL/BBSR/ZH/EMRS-Barsahi/2024/01 Dated – 18.09.2024
Sample Package Condition:- a) Quantity of Sample Received – 1000ml (Each) b) Type of Container - pp		Sample Registration Date:-	18.09.2024
		Sampling Protocol:-	Samples are not collected by this laboratory.
		Sample Collected by:-	Hindustan Steelworks Construction Ltd., Tanmaya Biswal, Site Engineer (Civil), HSCL
		Sample Location:-	As per letter under reference(above)

TEST RESULT

Test Started on-		18.09.2024		Test Completed on-		19.09.2024
Sl.	Test Parameters	Units	Results	Requirements IS 10500 : 2012		Test Method
				Acceptable Limit	Permissible Limit in absence of alternate source	
1	Fluoride (as F ⁻)	mg/l	0.51	1.0	1.5	Ion selective Electrode Method (APHA 23 rd Ed. 4500-F ⁻ C)
2	Nitrate (NO ₃)	mg/l	4.2	45	No relaxation	Nitrate Electrode Method, (APHA 23 rd Ed 4500-NO ₃ ⁻ D)
3	Total Coliform	MPN/100ml	0	Shall not be detectable in any 100ml samples	No relaxation	Enzyme Substrate Test Method
4	E Coli	MPN/100ml	0			(APHA 23 rd Ed 9223 -B)

Note :- The samples were tested with dilution.


Information on Test Report :

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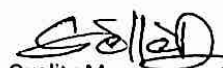
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Technical Manager 19.09.2024
Technical Manager
District Water Testing Laboratory
RWS & S Division, Baripada, MBJ.

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


Quality Manager, 19/09/24
District Water Testing Laboratory,
RWS&S Division, Baripada.
Authorised Signatory
Quality Manager
District Water Testing Laboratory
RWS & S Division, Baripada, MBJ.