



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



TEST REPORT

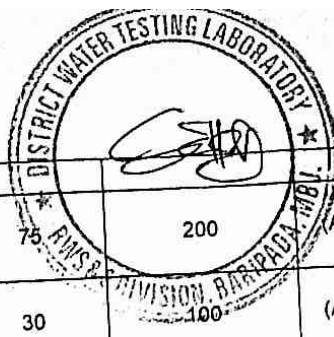
TEST REPORT NO.- DWTLB-TR/174/2024/S-1/01
ULR - TC1108424000000032F
DATE OF ISSUE 11.09.2024



Sample Particulars		Details of Sampling	
Name of the Customer :- Eklavya Model Residential School (EMRS) Phase-I, At-Dimogadia, Block-Udala, Mayurbhanj, Odisha.	Sample Package Condition:- a) Quantity of Sample Received – 1000ml (Each) b) Type of Container - pp	Type of Source:-	Drinking Water
		Date of Sampling:-	Not Specified
		Sample receive date:- Vide letter No.	10.09.2024/ Vide letter No. HSCL/BBSR/EMRS/Mayurbhanj/Udala/Phase-II/2023-24/15 Dated – 10.09.2024
		Sample Registration Date:-	10.09.2024
		Sampling Protocol:-	Samples are not collected by this laboratory.
		Sample Collected by:-	Hindustan Steelworks Construction Ltd., Jr Engineer (Civil) EMRS Udala/ HSCL/Mayurbhanj/Odisha
		Sample Location:-	As per letter under reference(above)

TEST RESULT

Test Started on-		10.09.2024		Test Completed on-		11.09.2024
Sl.	Test Parameters	Units	Results	Requirements IS 10500 : 2012		Test Method
				Acceptable Limit	Permissible Limit in absence of alternate source	
1	Temperature	°C	25.7°C for each Sample	----	-----	Instrumental Method
2	pH	----	6.59	6.5 to 8.5	No relaxation	Electrometric Method, (APHA 23 rd Ed 4500-H* B)
3	Elect. Conductivity	µmho/cm	339.0	----	----	Laboratory Method (APHA 23 rd Ed 2510 B)
4	Chloride	mg/l	32.0	250	1000	Argentometric Method (APHA 23 rd Ed 4500 – Cl- B)
5	Total Hardness (as CaCO ₃)	mg/l	164.0	200	600	EDTA Titrimetric Method (APHA 23 rd Ed 2340 C)
6	Total Alkalinity (as CaCO ₃)	mg/l	188.0	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	2.0	1.0	5.0	Nephelometric Method (APHA 23 rd Ed. - 2130. B)
9	TDS	mg/l	220.0	500	2000	APHA 23 rd Ed. -2540 C (TDS Method (Dried at 180 degree C)



							EDTA Titration Method (APHA 23 rd Ed. - 3500 Ca B)
10	Calcium (as Ca)	mg/l	46.49	75	200		
11	Magnesium (as Mg)	mg/l	11.66	30			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 11.09.2024
Technical Manager
District Water Testing Laboratory
RWS & S Division, Baripada, M.B.J.


Quality Manager, 10/9/2024
District Water Testing Laboratory,
RWS&S Divison, Baripada.
Authorised Signatory
Quality Manager
District Water Testing Laboratory
RWS & S Division, Baripada, M.B.J.

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

Page - 2/2

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TEST REPORT

TEST REPORT NO.- DWTLB-TR/174/2024/S-1/1
DATE OF ISSUE-11.09.2024

Sample Particulars

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

Sample Package Condition:-
a) Quantity of Sample Received – 1000ml (Each)
b) Type of Container - pp

Details of Sampling

Type of Source:-	Surface Water
Date of Sampling:-	Not Specified
Sample receive date:- Vide letter No.	10.09.2024/ Vide letter No. HSCL/BBSR/EMRS/Mayurbhanj/Udala/Phase-II/2023-24/15 Dated – 10.09.2024
Sample Registration Date:-	10.09.2024
Sampling Protocol:-	Samples are not collected by this laboratory.
Sample Collected by:-	Hindustan Steelworks Construction Ltd., Jr Engineer (Civil) EMRS Udala/ HSCL/Mayurbhanj/Odisha
Sample Location:-	As per letter under reference(above)

TEST RESULT

Test Started on-		10.09.2024		Test Completed on-		11.09.2024
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	0.31	1.0	1.5	Ion selective Electrode Method (APHA 23 rd Ed. 4500-F C)
2	Nitrate (NO ₃)	mg/l	4.6	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 (APHA 23 rd Ed 9223 -B)
4	E Coli	MPN/100ml	0			


Note :- The samples were tested with dilution.

Information on Test Report :

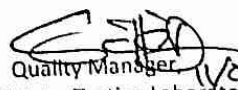
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11.09.2024
Technical Manager
District Water Testing Laboratory
RWS & S Division, Baripada, MBJ.

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


Quality Manager
10/09/2024
District Water Testing Laboratory,
RWS&S Division, Baripada.
Authorised Signatory
Quality Manager
District Water Testing Laboratory
RWS & S Division, Baripada, MBJ.