DISTRICT WATER TESTING LABORATORY,
RWS&S DIVISION, BARIPADA

E-MAIL : rwssdistlabbaripada@gmail.com

DISTRICT WATER TESTING LABORATORY, RWS&S DIVISION, BARIPADA, MAYURBHANJ

TC-11084

TEST REPORT

TEST REPORT NO.- DWTLB-TR/175/2024/S-1/01
ULR - TC110824000000033F
DATE OF ISSUE 11.09.2024

Sample Particulars		Details of Sampling	
Name of the Customer :-	Eklavya Model Residential School (EMRS), At-Gopabandhunagar, Block-Gopabandhunagar, Mayurbhanj, Odisha.	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/ Gopabandhunagar/2024/103 Dated – 10.09.2024
		Sample Registration Date:-	10.09.2024
Sample Package Condition:- a) Quantity of Sample Received – 1000ml (Each) b) Type of Container - pp		Sampling Protocol:-	Samples are not collected by this laboratory.
		Sample Collected by:-	Hindustan Steelworks Construction Ltd., Site Engineer (Civil) EMRS GB Nagar/ 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	^{0}C	25.7^{0}C for each Sample	-----	------	Instrumental Method
2	pH	---	6.58	6.5 to 8.5	No relaxation	Electrometric Method, (APHA 23rd Ed 4500-H^{+} B)
3	Elect. Conductivity	µmho/cm	276.0	----	----	Laboratory Method (APHA 23rd Ed 2510 B)
4	Chloride	mg/l	20.0	250	1000	Argentometric Method (APHA 23rd Ed 4500 – Cl- B)
5	Total Hardness (as $CaCO_3$)	mg/l	136.0	200	600	EDTA Titrimetric Method (APHA 23rd Ed 2340 C)
6	Total Alkalinity (as $CaCO_3$)	mg/l	148.0	200	600	Titration Method (APHA 23rd Ed. - 2320 B)
7	Iron	mg/l	0.39	1.0	No relaxation	Phenanthroline Method (APHA 23rd Ed 3500 – Fe B)
8	Turbidity	NTU	0.4	1.0	5.0	Nephelometric Method (APHA 23rd Ed. - 2130. B)
9	TDS	mg/l	179.0	500	2000	APHA 23rd Ed. -2540 C (TDS Method (Dried at 180 degree

						C)
10	Calcium (as Ca)	mg/l	41.68	75	200	EDTA Titration Method (APHA 23rd Ed. - 3500 Ca B)
11	Magnesium (as Mg)	mg/l	7.78	30	100	Calculation Method (APHA 23rd Ed. - 3500 Mg B)
12	Colour	Hazen Unit	5	5	15	Visual Comparison Method (APHA 23rd Ed. - 2120. B)
13	Odour		Agreeable	Agreeable	Agreeable	Threshold Odour Test (APHA 23rd. Ed. 2150 B)

DISTRICT WATER TESTING LABORATORY
RWS&S DIVISION, BARIPADA, MBJ.

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, MBJ.

Quality Manager, 11/09/2024
District Water Testing Laboratory,
RWS&S Divison, Baripada.
Authorised Signatory

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

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

DISTRICT WATER TESTING LABORATORY,
RWS&S DIVISION, BARIPADA

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TEST REPORT

TEST REPORT NO.- DWTLB-TR/175/2024/S-1/1
DATE OF ISSUE-11.09.2024

Sample Particulars		Details of Sampling	
Name of the Customer :-	Eklavya Model Residential School (EMRS), At-Gopabandhunagar, Block-Gopabandhunagar, Mayurbhanj, Odisha.	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/ Gopabandhunagar/2024/103 Dated – 10.09.2024
Sample Package Condition:- a) Quantity of Sample Received – 1000ml (Each) b) Type of Container - pp		Sample Registration Date:-	10.09.2024
		Sampling Protocol:-	Samples are not collected by this laboratory.
		Sample Collected by:-	Hindustan Steelworks Construction Ltd., Site Engineer (Civil) EMRS GB Nagar/ 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	0.28	1.0	1.5	Ion selective Electrode Method (APHA 23rd Ed. 4500-F^- C)
2	Nitrate (NO3)	mg/l	1.9	45	No relaxation	Nitrate Electrode Method, (APHA 23rd 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 23rd Ed 9223 -B)
4	E Coli	MPN/100ml	0			

Note :- The samples were tested with dilution.

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Checked & Reviewed by

11.09.2024

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

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

11/09/2024

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