



DISTRICT WATER TESTING LABORATORY, R.W.S.&S. DIVISION, BARIPADA

E-MAIL : rwssdstlabbaripada@gmail.com

WATER ANALYSIS REPORT

No. 149 Date. 20/09/2025



To,

The Principal,
Eklavya Model Residential School (EMRS), Udala,
At-Dimogadia, Block-Udala, Dist-Mayurbhanj, Odisha.

Type of Source:- Ground Water

Sample receive date : 19.09.2025

Samples Submitted By:- Staff of Eklavya Model Residential School (EMRS), Udala

Sample Location:- Eklavya Model Residential School (EMRS), Udala, At-Dimogadia, Block-Udala, Dist-Mayurbhanj, Odisha.

TEST RESULT

Test started on-19/09/2025				Test completed on-20/09/2025		
Sl. No.	Parameters tested	Unit of measurement	Test result	Requirements BIS 10500 : 2012		
				Acceptable Limit	Permissible Limit in absence of alternate source	Test Method
1	Colour	Hazen Unit	5.0	5	15	Visual Comparison Method (APHA 24th Ed. - 2120 B)
2	Odour		Agreeable	Agreeable	Agreeable	Threshold Odour Test (APHA 24 th Ed. -2150 B)
3	pH		6.61	6.5-8.5	No relaxation	Electrometric Method, (APHA 24th Ed. 4500-H+ B)
4	Turbidity	NTU	1.8	1.0	5.0	Nephelometric Method (APHA 24th Ed. 2130. B)
5	Conductivity	µS/cm	412.0			Laboratory Method (APHA 24th Ed. 2510 B)
6	TDS	mg/l	267.0	500	2000	APHA 24 th Ed. 2540 C (Total Dissolved Solids Dried at 180° C)
7	Iron	mg/l	0.43	1.0	No relaxation	Phenanthroline Method (APHA 24th Ed. 3500 – Fe B)
8	Fluoride	mg/l	0.36	1.0	1.5	Ion selective Electrode Method (APHA 24th Ed. 4500-F- C)
9	Chloride	mg/l	40.0	250	1000	Argentometric Method (APHA 24th Ed. 4500 – Cl- B)
10	Alkalinity as CaCo ₃	mg/l	192.0	200	600	Titration Method (APHA 24th Ed. 2320 B)
11	Hardness as CaCo ₃	mg/l	180.0	200	600	EDTA Titrimetric Method (APHA 24th Ed. 2340 C)
12	Calcium as Ca	mg/l	44.89	75	200	EDTA Titration Method (APHA 24th Ed. - 3500 Ca B)
13	Magnesium as Mg	mg/l	16.52	30	100	Calculation Method (APHA 24th Ed. - 3500 Mg B)
14	Nitrate	mg/l	0.8	45	No relaxation	Nitrate Electrode Method, (APHA 24th Ed 4500-NO ₃ - D)
15	Total Coliform	MPN/100ml	0	Shall not be detectable in any 100ml samples	No relaxation	Enzyme Substrate Test Method (APHA 24th Ed 9223 -B)
16	E Coli	MPN/100ml	0			

Note- As per above parameters tested water is safe and potable.

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

The above valid for a period of (1) one year from the date of issue of Test Report

Laboratory Chemist, 20/09/25
Dist. Water Testing Laboratory,
RWS&S Division, Baripada

Asst. Executive Engineer,
RWS&S Division, Baripada.