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

E-MAIL : rwssdistlabbaripada@gmail.com

TEST REPORT

No. 367 Date. 25/09/2026

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

To,

The Principal,
PM Shri Kendriya Vidyalaya, No.1 Baripada,
At/PO-Laxmiposi, Pin-757107, Baripada, Dist-Mayurbhanj, Odisha.

Type of Source:- Ground Water
Sample receive date : 23.09.2026
Samples Submitted By:- Tapan Kumar Sahu (Staff)
Sample Location:- PM Shri Kendriya Vidyalaya, No.1 Baripada. (Bore Well-1 Near Quarter)

TEST RESULT

Test started on-24/09/2026				Test completed on-25/09/2026		
Sl. No.	Parameters tested	Unit of measurement	Test result (Bore Well-1 Near Quarter)	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 24th Ed. - 2150 B)
3	pH (at 25.0^{0}C)	.....	6.53	6.5-8.5	No relaxation	Electrometric Method, (APHA 24th Ed. 4500-H+ B)
4	Turbidity	NTU	0.5	1.0	5.0	Nephelometric Method (APHA 24th Ed. 2130. B)
5	Conductivity	µS/cm	117.0	.....	.....	Laboratory Method (APHA 24th Ed. 2510 B)
6	TDS	mg/l	76.0	500	2000	APHA 24th Ed. 2540 C (Total Dissolved Solids Dried at 180^0 C)
7	Iron	mg/l	0.192	1.0	No relaxation	Phenanthroline Method (APHA 24th Ed. 3500 – Fe B)
8	Fluoride	mg/l	0.23	1.0	1.5	Ion selective Electrode Method (APHA 24th Ed. 4500-F- C)
9	Chloride	mg/l	16.0	250	1000	Argentometric Method (APHA 24th Ed. 4500 – Cl- B)
10	Alkalinity as CaCo3	mg/l	68.0	200	600	Titration Method (APHA 24th Ed. 2320 B)
11	Hardness as CaCo3	mg/l	68.0	200	600	EDTA Titrimetric Method (APHA 24th Ed. 2340 C)
12	Calcium as Ca	mg/l	12.83	75	200	EDTA Titration Method (APHA 24th Ed. - 3500 Ca B)
13	Magnesium as Mg	mg/l	8.75	30	100	Calculation Method (APHA 24th Ed. - 3500 Mg B)
14	Nitrate	mg/l	0.4	45	No relaxation	Nitrate Electrode Method, (APHA 24th Ed 4500-NO3- 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

Laboratory Chemist, 25/09/2026
Dist. Water Testing Laboratory,
RWS&S Division, Baripada

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

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

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

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TEST REPORT

No. 368 Date. 25/09/2026

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

To,

The Principal,
PM Shri Kendriya Vidyalaya, No.1 Baripada,
At/PO-Laxmiposi, Pin-757107, Baripada, Dist-Mayurbhanj, Odisha.

Type of Source:- Ground Water
Sample receive date : 23.09.2026
Samples Submitted By:- Tapan Kumar Sahu (Staff)
Sample Location:- PM Shri Kendriya Vidyalaya, No.1 Baripada. (Bore Well-2 fitted with hand pump -School Boundary)

TEST RESULT

Test started on-24/09/2026				Test completed on-25/09/2026		
Sl. No.	Parameters tested	Unit of measurement	Test result (Bore Well-2 School Boundary)	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 24th Ed. - 2150 B)
3	pH (at 25.0^{0}C)	.....	6.61	6.5-8.5	No relaxation	Electrometric Method, (APHA 24th Ed. 4500-H+ B)
4	Turbidity	NTU	27.3	1.0	5.0	Nephelometric Method (APHA 24th Ed. 2130. B)
5	Conductivity	µS/cm	169.0	.....	.....	Laboratory Method (APHA 24th Ed. 2510 B)
6	TDS	mg/l	109.0	500	2000	APHA 24th Ed. 2540 C (Total Dissolved Solids Dried at 180^0 C)
7	Iron	mg/l	3.152	1.0	No relaxation	Phenanthroline Method (APHA 24th Ed. 3500 – Fe B)
8	Fluoride	mg/l	0.26	1.0	1.5	Ion selective Electrode Method (APHA 24th Ed. 4500-F- C)
9	Chloride	mg/l	24.0	250	1000	Argentometric Method (APHA 24th Ed. 4500 – Cl- B)
10	Alkalinity as CaCo3	mg/l	32.0	200	600	Titration Method (APHA 24th Ed. 2320 B)
11	Hardness as CaCo3	mg/l	84.0	200	600	EDTA Titrimetric Method (APHA 24th Ed. 2340 C)
12	Calcium as Ca	mg/l	12.83	75	200	EDTA Titration Method (APHA 24th Ed. - 3500 Ca B)
13	Magnesium as Mg	mg/l	12.64	30	100	Calculation Method (APHA 24th Ed. - 3500 Mg B)
14	Nitrate	mg/l	0.6	45	No relaxation	Nitrate Electrode Method, (APHA 24th Ed 4500-NO3- 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- Excess Iron & Turbidity content found in hand pump tube well.

Information on Test Report:

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#APHA- American Public Health Association

Laboratory Chemist, 25/09/2026
Dist. Water Testing Laboratory,
RWS&S Division, Baripada

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

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