

District Water Testing Laboratory

Public Health Engineering Department, Division - Balodabazar
Office of The Executive Engineer PHED Campus, Bhatagaon (C.G.) 493332
e- Mail Id :- bbrphelab@gmail.com

Test Report (Drinking Water)

Report no. DL/PHED/BBR- 192	Discipline- : Chemical Testing	Group- : Drinking Water		
Senders name & address :- Vinayak Academy English School Madhaibhatha, Bilaigarh Dist. Sarangarh-Bilaigarh (C.G.)	Senders Letter No./Date	04/05/2026	Sampled by	Rudra Prasad Sahu
	Sample Collection Date	04/05/2026	Sampling Plan & Procedure	Sampling Not Done by Lab Staff
	DL Receipt No.	192	DL Receipt Date	04/05/2026
	Date of Analysis Started	04/05/2026	Date of Analysis Completed	05/05/2026
	Sample Quantity	1000 ML	Environmental Condition	25±3°C

Sample Details

S.N.	Sample I.D.	District /Block	City / Village	Gram Panchayat	Location/Source ID/GPS Identification
1	05/26/192/497	Bilaigarh	Madhaibhatha	Madhaibhatha	Vinayak Academy English School, (Bor).

Details of parameters their test method units and specification as per IS/ APHA

S.N.	Parameters	Test method IS:3025/APHA 24 th ed.		Unit	As per IS- 10500-2012 drinking water		Result Of S.No.					
		method	Part no.		Acceptable Limit	Permissible Limit	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
1	Colour	APHA24 th ed.	2120-Method-B 2023	Hazen	5	15	5	-	-	-	-	-
2	Odour	IS:3025	Part-5/ 2018	-	Agreeable	Agreeable	Agreeable	-	-	-	-	-
3	Taste	IS:3025	Part-8/ 2017	-	Agreeable	Agreeable	Agreeable	-	-	-	-	-
4	Chloride as Cl ⁻	APHA24 th ed.	4500-Method-B 2023	mg/l.	250	1000	69.38	-	-	-	-	-
5	TDS	APHA24 th ed.	2540-Method-C 2023	mg/l.	500	2000	332	-	-	-	-	-
6	Alkalinity as CaCO ₃	APHA24 th ed.	2320-Method-B 2023	mg/l.	200	600	233.36	-	-	-	-	-
7	Calcium as Ca ²⁺	APHA24 th ed.	3500-Method-B 2023	mg/l.	75	200	71.86	-	-	-	-	-
8	Magnesium as Mg ²⁺	APHA24 th ed.	3500-Method-B 2023	mg/l.	30	100	18.94	-	-	-	-	-
9	pH@25 °C	IS:3025	Part-11/ 2022	pH scale	6.5-8.5	No relaxation	7.66	-	-	-	-	-
10	Turbidity	APHA24 th ed.	2130-Method-B 2023	NTU	1	5	3.08	-	-	-	-	-
11	Total Hardness as CaCO ₃	APHA24 th ed.	2340-Method-C 2023	mg/l.	200	600	257.27	-	-	-	-	-

Remark:-

- The report should not be produced partly or full without approval signatory authority of legal purpose.
- It is recommended that acceptable limit is to be implemented. Values in excess of those mentioned under "acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under the "permissible" limit in the absence of alternate source in column 7 above which the sources will have to be rejected.
- The results refer only to tested samples and parameters on Received from Customer.
- Samples will be stored for a period of 10 days from date of Analysis.
- This Lab does not hold any responsibility for variation in results for samples kept on hold for wants of clarification.
- Results apply to the sample as received/ In any Condition Statement of Conformity not Performed by Lab.
- Sampling not done by Lab staff.

Issue no.192 /Date:- 05/05/2026/ Page No. 01/03


Manager
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Madhaibhatha, Bilaigarh
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Chemist
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PHED Balodabazar (C.G)

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Test Report (Drinking Water)

Report no. DL/PHED/BBR- 192	Discipline- : Chemical Testing	Group- : Drinking Water	Sampled by	Rudra Prasad Sahu
Senders name & address :- Vinayak Academy English School Madhaibhatha, Bilalgarh Dist. Sarangarh-Bilalgarh (C.G.)	Senders Letter No./Date	04/05/2026	Sampling Plan & Procedure	Sampling Not Done by Lab Staff
	Sample Collection Date	04/05/2026	DL Receipt Date	04/05/2026
	DL Receipt No.	192	Date of Analysis Completed	05/05/2026
	Date of Analysis Started	04/05/2026	Environmental Condition	25±3°C
	Sample Quantity	1000 ML		

Sample Details

S.N.	Sample I.D.	District /Block	City / Village	Gram Panchayat	Location/Source ID/GPS Identification
1	05/26/192/497	Bilalgarh	Madhaibhatha	Madhaibhatha	Vinayak Academy English School, (Bor).

Details of parameters their test method units and specification as per IS/APHA

S.N.	Parameters	Test method IS:3025/APHA 24 th ed.		Unit	As per IS- 1500-2012 drinking water		Result Of S.No.					
		method	Part no.		Acceptable Limit	Permissible Limit	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
2	Iron as Fe ²⁺	APHA24 th ed.	3500-Fe-B 2023	mg/l.	1	NR	0.28	-	-	-	-	-
3	Nitrate as NO ₃ ⁻	APHA24 th ed.	4500-NO3-B 2023	mg/l.	45	45	-	-	-	-	-	-
4	Fluoride as F ⁻	APHA24 th ed.	4500-F-C 2023	mg/l.	1.0	1.5	0.314	-	-	-	-	-
5	Residual Chlorine	-	-	mg/l.	0.2	1.0	0.0	-	-	-	-	-
6	Sulphate as SO ₄ ²⁻	IS:3025	Part- 24	mg/l.	200	400	-	-	-	-	-	-
7	Spe. Conductivity	IS:3025	Part-14	µmho/cm	-	-	527	-	-	-	-	-

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Issue no.192 / Date:- 05/05/2026/ Page No. 02/03


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Bacteriological Test Report (Drinking Water)

Report no. DL/PHED/BBR- 192	Discipline- : Chemical Testing	Group- : Drinking Water		
Senders name & address :- Vinayak Academy English School Madhaibhata, Bitaigarh Dist. Sarangarh-Bitaigarh (C.G.)	Senders Letter No./Date	04/05/2026	Sampled by	Rudra Prasad Sahu
	Sample Collection Date	04/05/2026	Sampling Plan & Procedure	Sampling Not Done by Lab Staff
	DL Receipt No.	192	DL Receipt Date	04/05/2026
	Date of Analysis Started	04/05/2026	Date of Analysis Completed	05/05/2026
	Sample Quantity	1000 ML	Environmental Condition	25±3°C

Sample Details

S.N.	Sample I.D.	District / Block	City / Village	Gram Panchayat	Location/Source ID/GPS Identification
1	05/26/192/497	Bitaigarh	Madhaibhata	Madhaibhata	Vinayak Academy English School, (Bor).

Details of parameters their test method units and specification as per IS/APHA

S.N.	Parameters	Test method		As per IS-10500-2012		Result Of S.No.					
		IS:3025/APHA 24 th ed		drinking water							
		Method	Unit	Acceptable Limit	Permissible Limit	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
1	2	3	4	5	6	7	8	9	10	11	12
1.	E.Coli	APHA / IS	Cfu / 100 ml	NIL	NIL	NIL	-	-	-	-	-

Remark:-

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Issue No. - 192 / Date:- 05/05/2026/ Page no. 03/03

*****END OF REPORT*****


Manager

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