

Format No.- DL/PHED/JDP/4.1



TC-13342

District Water Testing Laboratory
Public Health Engineering Division Jagdalpur, District.-Bastar (C.G.)
 Near Collectorate Road, Pin Code – 494001
 E-mail :- phelabjdp@gmail.com

Test Report
Group- Drinking Water

Report No. - DL/PHED/JDP/152		ULR-TC1334225000000152F		Sampled by -																																				
Sender's Name and Address :- Chavara High School Kumhali, Bhanpuri.		Sender's letter No. :		Q -	Sender's Letter Date :																																			
		DL Receipt No. :		17	DL Receipt Date :																																			
		Date of Analysis started :		17-04-2025	Date of Analysis Completed :																																			
Sample Details <table border="1"> <thead> <tr> <th>Sr.no</th> <th>Block</th> <th>Sample ID</th> <th>Village</th> <th>Location / Source</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Bastar</td> <td>17/164/April25</td> <td>Kumhali/Bhanpuri</td> <td>Chavara High School</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>						Sr.no	Block	Sample ID	Village	Location / Source	1	Bastar	17/164/April25	Kumhali/Bhanpuri	Chavara High School																									
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1	Bastar	17/164/April25	Kumhali/Bhanpuri	Chavara High School																																				
Details of parameters, their test method, units and specification as per IS 3025/APHA				Results																																				
Sr. No.	Characteristics	Unit of Measurement	Test Method	1																																				
1	Turbidity	NTU	IS 3025 Part No.-10 (2023)	1.4																																				
2	Colour	Hazen	IS 3025 Part No.-04 (2021)	5																																				
3	Odour		IS 3025 Part No.-05 (2018)	Agreeable																																				
4	pH	pH Scale	IS 3025 Part No.-11 (2022)	7.52																																				
5	Total Alkalinity as CaCO ₃	mg/L	IS 3025 Part No.-23 (2023)	168.00																																				
6	Total Dissolved Solid at 180°C ± 2°C	mg/L	IS 3025 Part No.-16 (2023)	190																																				
7	Chloride as Cl ⁻	mg/L	IS 3025 Part No.-32 (2019)	12.09																																				
8	Total Hardness as CaCO ₃	mg/L	IS 3025 Part No.-21 (2019)	158.26																																				
9	Calcium as Ca ²⁺	mg/L	IS 3025 Part No.-40 (2023)	47.96																																				
10	Magnesium as Mg ²⁺	mg/L	APHA 24 th 3500-Mg-B (2023)	9.38																																				
11	Fluoride as F ⁻	mg/L	APHA 24 th 4500-F-C (2023)	0.21																																				

- The report should not be produced partly or full without approval of signatory authority of legal purpose.
- It is recommended that acceptable limit is to be implemented. Value 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 upto 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.
- This Lab does not hold any responsibility for variation in results for samples kept on hold for wants of clarification.
- Samples will be stored for a period of 10 days from date of issue of report.

Remark:- 1. Results apply to the sample as received.
 2. Sampling not done by Laboratory's Staff.

Laboratory issue no. 152/Lab/Date:- 21-04-2025

Manager
Manager

Page no.of....
Chavara High School
Kumli, Bhanpuri, Bastar (C.G.)

Principal
Principal
Chavara High School
Kumli, Bhanpuri, Bastar (C.G.)
 (Hemant Kashyap)
 Chemist/Authorized Signatory (NABL)

No.- DL/PHED/JDP/4.1

District Water Testing Laboratory
Public Health Engineering Division Jagdalpur, District.-Bastar (C.G.)
Near Collectorate Road, Pin Code – 494001
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Test Report
Group- Drinking Water

Report No. - DL/PHED/JDP/152	Sender's letter No. :	Q	Sender's Letter Date :	15-04-2025
Sender's Name and Address :- Chavara High School Kumhali, Bhanpuri.	DL Receipt No. :	17	DL Receipt Date :	15-04-2025
	Date of Analysis started :	17-04-2025	Date of Analysis Completed :	17-04-2025

Sample Details

Sl. No.	Block	Sample ID	Village	Location / Source
1	Bastar	17/164/April25	Kumhali/Bhanpuri	Chavara High School

Details of parameters, their test method, units and specification as per IS 3025/APHA

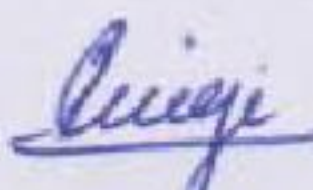
Results

Sl. No.	Characteristics	Unit of Measurement	Test Method	1					
1	Spec. Conductivity	µS/cm	IS 3025 Part No.-14	300					
2	Nitrate as NO ₃ ⁻ (Screening Method)	mg/L	APHA 24 th 4500-NO ₃ -B	-					
3	Iron as Fe	mg/L	APHA 24 th 3500-Fe-B	0.2					
4	Manganese as Mn ²⁺	mg/L	APHA 24 th 3500-Mn-B	-					
5	Sulphate as SO ₄ ²⁻	mg/L	IS 3025 Part No.-24	-					
6	Residual Chlorine	mg/L	IS 3025 Part No.-26	-					
7	E. Coli	CFU/100ml	APHA 24 th 9222 B	-					
8	Total Coliform Bacteria	CFU/100ml	APHA 24 th 9222 B	-					

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It is recommended that acceptable limit is to be implemented. Value 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 upto 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.
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This Lab does not hold any responsibility for variation in results for samples kept on hold for wants of clarification.
Samples will be stored for a period of 10 days from date of issue of report.

Remark:- 1. Results apply to the sample as received.
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Laboratory issue no. 152/Lab/Date:- 21-04-2025


Manager
Chavara High School
Kumli, Bhanpuri, Bastar (C.G.)

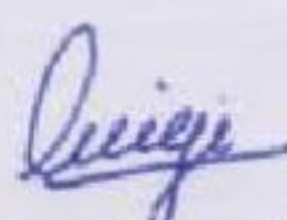

Principal
Chavara High School
Kumli, Bhanpuri, Bastar (C.G.)
(Hemant Kashyap)
Chemist

NABL Report Limit

Details of parameters, their test method, units and specification as per IS 3025/APHA				As Per IS - 10500-2012 (Second Revision) For Drinking Water	
Sr. No.	Characteristics	Unit of Measurement	Test method	Acceptable Limit	Permissible Limit in the absence of alternate source
1	Turbidity	NTU	IS 3025 Part No -10 (2023)	1	5
2	Colour	Hazen	IS 3025 Part No -04 (2021)	5-15	No Relaxation
3	Odour		IS 3025 Part No -05 (2018)	Agreeable	Agreeable
4	pH	pH Scale	IS 3025 Part No -11 (2022)	6.5-8.5	No Relaxation
5	Total Alkalinity as CaCO ₃	mg/L	IS 3025 Part No -23 (2023)	200	600
6	Total Dissolved Solid at 180°C±2°C	mg/L	IS 3025 Part No -16 (2023)	500	2000
7	Chloride as Cl ⁻	mg/L	IS 3025 Part No -32 (2019)	250	1000
8	Total Hardness as CaCO ₃	mg/L	IS 3025 Part No -21 (2019)	200	600
9	Calcium as Ca ²⁺	mg/L	IS 3025 Part No -40 (2023)	75	200
10	Magnesium as Mg ²⁺	mg/L	APHA 24 th 3500-Mg-B (2023)	30	100
11	Fluoride as F ⁻	mg/L	APHA 24 th 4500-F- C (2023)	1.0	1.5

Non - NABL Report Limit

Details of parameters, their test method, units and specification as per IS 3025/APHA				As Per IS - 10500-2012 (Second Revision) For Drinking Water	
Sr. No.	Characteristics	Unit of Measurement	Test method	Acceptable Limit	Permissible Limit in the absence of alternate source
✓ 1	Spec. Conductivity	μS/cm	IS 3025 Part No -14	500	2000
2	Nitrate as NO ₃ ⁻ (Screening Method)	mg/L	APHA 24 th 4500-NO ₃ -B	45	No Relaxation
✓ 3	Iron as Fe	mg/L	APHA 24 th 3500- Fe- B	1.0	No Relaxation
4	Manganese as Mn ⁺	mg/L	APHA 24 th 3500-Mn-B	0.1	0.3
5	Sulphate as SO ₄ ²⁻	mg/L	IS 3025 Part No -24	200	400
6	Residual Chlorine	mg/L	IS 3025 Part No -26	0.2	1
7	E. Coli	CFU/100ml	APHA 24 th 9222 B	Nil	Nil
✓ 8	Total Coliform Bacteria	CFU/100ml	APHA 24 th 9222 B	Nil	Nil


Manager
 Chavara High School
 Kumli, Bhanpuri, Bastar (C.G.)


Principal
 Chavara High School
 Kumli, Bhanpuri, Bastar (C.G.)