



Government of Maharashtra

Water Supply & Sanitation Department

REGIONAL WATER TESTING LABORATORY

Office of Deputy Director,

Ground Water Surveys & Development Agency, Amravati Region, Amravati

At GSDA Workshop, Near Mahabij, Tapowan Road, Camp Amravati 444 602 (Phone No - +91 75075 20319, E Mail - ddamtwq@gmail.com)

WATER ANALYSIS TESTING REPORT

Name of Customer	-	Principal, Deepshikha Gurukul Sainik School & Chikhaldara			
Address of Customer	-	Mouje - Chikhaldara, Tk- Chikhaldara, Dist- Amravati			
Order / Reference	-	Your Letter No - 07/2025-26 Dated 23 / 07 / 2025			
Nature of Sample	-	Potable water / Groundwater / Surface Water / Treated Water / Tap Water			
Sample Collected & Submitted by	-	Mr Sameer Pathak			
Date of Sample Collection	-	23 / 07 / 2025	Date of Sample Receipt	-	23 / 07 / 2025
Date of Analysis (Start & Completion)	-	23 / 07 / 2025 & 24 / 07 / 2025	Date of Report Issue	-	29 / 07 / 2025
Discipline	-	Chemical Testing	Group	-	Water
Temperature & Humidity	-	25 °C ± 2°C & 60 ± 10	Sample Container	-	Glass / Plastic

Parameters	APHA Test Method (23 rd Edition)	BIS IS 10500:2012 (2 nd Revision)		Unit	Water Sample Result
		Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source		
pH	Electrometric Method 4500-H ⁺ B	6.5-8.5	No Relaxation	-	7.4
Total Dissolved Solid	TDS Dried at 180°C 2540 C	500	2000	mg/l	246
Total Hardness	EDTA Titrimetric Method 2340 C	200	600	mg/l	48
Fluoride	SPANDS Method 4500-F ⁻ D	1	1.5	mg/l	0.46
Nitrate	Ultraviolet Spectrophotometric Screening Method 4500-NO ₃ ⁻ B	45	No Relaxation	mg/l	18
Iron	Phenanthroline Method 3500-Fe B	1.0	No Relaxation	mg/l	0.02
Colour	Visual Comparison Method 2120 B	5	15	Hazen	BDL
Odour	Odour 2150 A	Agreeable	Agreeable	-	Agreeable
Taste	Taste 2160 A	Agreeable	Agreeable	-	Agreeable
Total Alkalinity	Titration Method 2320 B	200	600	mg/l	22
Chloride	Argentometric Method 4500-Cl ⁻ B	250	1000	mg/l	44
Sulphate	Turbidimetric Method 4500-SO ₄ ²⁻ E	200	400	mg/l	46
Turbidity	Nephelometric Method 2130 B	1	5	NTU	0.10
E. Coliform	-	0	0	MPN/100ml	-
Total Coliform	-	0	0	MPN/100ml	-

Note

1. This report is referring only to the tested sample and for applicable parameter. The results relate only to the samples tested.
2. This report is not to be reproduce wholly or in part and can't be used as evidence in court of law
3. The analysis is done on sample submitted by customer themselves. Abbreviations: **BDL** = Below Detection Limit, **ADL** = Above Detection Limit

WATER SAMPLE DETAILS

Sr. No.	Sample Code No.	District	Taluka	Village	Particulars / Location	Source
1.	RWTL/GSDA/07-03/25-26	Amravati	Chikhaldara	Chikhaldara	In Premises of School	Tap Water


Mrs Deepa A Dhoke
Analyst
RWTL GSDA Amravati




Mr Ganesh Amarsingh Thakur
Junior Chemist
Office of Deputy Director,
RWTL GSDA Amravati

-- End of the report --

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Dr. K. M. Kulkarni
Director
Navjeevan Society's
Deepshikha Gurukul Sainik School
Chikhaldara, Dist. Amravati-444807


PRINCIPAL
Deepshikha Gurukul Sainik School
Chikhaldara

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Name of Customer	- Principal, Deepshikha Gurukul Sainik School Chikhaldara	
Address of Customer	- Mouje - Chikhaldara, Tk- Chikhaldara, Dist- Amravati	
Order / Reference	- Your Letter No - 07 / 2025-26 Dated 23 / 07 / 2025	
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Sample Collected & Submitted by	- Mr Sameer Pathak	
Date of Sample Collection	- 23 / 07 / 2025	Date of Sample Receipt - 23 / 07 / 2025
Date of Analysis (Start & Completion)	- 23 / 07 / 2025 & 24 / 07 / 2025	Date of Report Issue - 29 / 07 / 2025
Discipline	- Chemical Testing	Group - Water
Temperature & Humidity	25 °C ± 2°C & 60 ± 10	Sample Container - Glass / Plastic

Parameters	APHA Test Method (23 rd Edition)	BIS IS 10500:2012 (2 nd Revision)		Unit	Water Sample Result
		Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source		
pH	Electrometric Method 4500-H ⁺ B	6.5-8.5	No Relaxation	-	7.2
Total Dissolved Solid	TDS Dried at 180°C 2540 C	500	2000	mg/l	144
Total Hardness	EDTA Titrimetric Method 2340 C	200	600	mg/l	46
Fluoride	SPANDS Method 4500-F ⁻ D	1	1.5	mg/l	0.48
Nitrate	Ultraviolet Spectrophotometric Screening Method 4500-NO ₃ ⁻ B	45	No Relaxation	mg/l	26
Iron	Phenanthroline Method 3500-Fe B	1.0	No Relaxation	mg/l	0.02
Colour	Visual Comparison Method 2120 B	5	15	Hazen	BDL
Odour	Odour 2150 A	Agreeable	Agreeable	-	Agreeable
Taste	Taste 2160 A	Agreeable	Agreeable	-	Agreeable
Total Alkalinity	Titration Method 2320 B	200	600	mg/l	22
Chloride	Argentometric Method 4500-Cl ⁻ B	250	1000	mg/l	46
Sulphate	Turbidimetric Method 4500-SO ₄ ²⁻ E	200	400	mg/l	44
Turbidity	Nephelometric Method 2130 B	1	5	NTU	0.20
E. Coliform	-	0	0	MPN/100ml	-
Total Coliform	-	0	0	MPN/100ml	-

Note

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WATER SAMPLE DETAILS

Sr. No.	Sample Code No.	District	Taluka	Village	Particulars / Location	Source
1.	RWTL/GSDA/07-04/25-26	Amravati	Chikhaldara	Chikhaldara	In Premises of School	Storage Water Tank

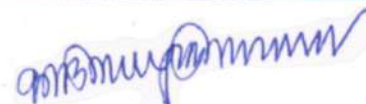

Mrs Deepa A Dhoke
Analyst
RWTL GSDA Amravati




Mr Ganesh Amarsingh Thakur
Junior Chemist
Office of Deputy Director,
RWTL GSDA Amravati

---● End of the report ●---

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Dr. K. M. Kulkarni
Director
Navjeevan Society's
Deepshikha Gurukul Sainik School
Chikhaldara, Dist. Amravati-444807


PRINCIPAL
Deepshikha Gurukul Sainik School
Chikhaldara

District Divisional Public Health Laboratory Amarvati,

Email-Id:-dpplmt@gmail.com

Phone No.: 0721-26660537

REPORT ON CHEMICAL EXAMINATION OF WATER FOR FRINKINGPURPOSES

Date: 20/01/2025 Date of Receipt:- 20/01/2025 Date of examination: 20/01/2025
(All the analytical results are in mg./Litre except pH, Turbidity) *(on words)*

Sr. No	TEST PARAMETER	(1)	(2)	(3)	BIS Specification 10500:2012 Normal Value	
		Chikhaldara Well	Chikhaldara Bore		Desirable Limits	Permissible Limits
1	Physical Appearance	Clear	Clear		Desirable Limits	Permissible Limits
2	Odour	odour free	odour free		Agreeable	Agreeable
3	Turbidity (as N.T.U.)	0.0	0.0		1.0	5.0
4	pH Value	7.5	7.0		6.5 to 8.55	No. Relaxation
5	Chlorides (as Cl)	120	140		250	100
6	Nitrates (As No ₃)	28.59	30.30		45	No. Relaxation
7	Total Hardness (as CaCO ₃)	190	198		200	600
8	Alkalinity (as CaCO ₃)	194	186		200	600
9	Total Dissolved Solids	340	370		500	2000
10	Iron (as Fe)	0.0	0.0		0.3	No. Relaxation
11	Fluoride (as F)	0.0	0.0		1.0	1.5
12	Other Tests (If Any)					
13						
14						
15						
16						
17						
18						
19						
20						

- ✓ This report is restrictantly for the sample/s is submitted to the laboratory.
- ✓ This sample/s if / are not collected by this Laboratory.

Dr. K. M. Kulkarni

Director

Navjeevan Society's

Deepshikha Gurukul Sainik School
Chikhaldara, Dist. Amravati-444807

PRINCIPAL

Deepshikha Gurukul Sainik School
Chikhaldara

REMARKS

✓ A) Sample No. (S) ① & ② are potable / Chemically for Drinking purpose on the basis of analyzed parameter only.

However this / these Water source/s can be used for drinking purpose only after proper treatment, disinfection and ascertaining its bacteriological quality frequently or regularly.

B) Sample No. (S) Contains.....

However there is no any other alternate source available nearby then this / these water source/s can be used for drinking purpose only after proper treatment, disinfection and ascertaining its bacteriological quality frequently or regularly.

C) Sample No. (S) Contains.....

Hence, this/these water Source/s is / are chemically non potable / unfit for drinking purposes on the basis of analyzed parameter only.

No. DPHL/AMT/17-18/243/0
Date: 24/01/2025

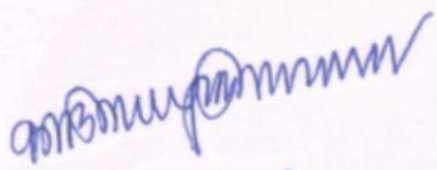
HEALTH SERVICE

Forwarded with Compliments To: Principal, Deepshikha, Gurukul.....
Sainik School, Chikhaldara, Dist. Amravati

With reference to letter No.280/2025..... Dated:- 20/01/2025

Fees: Rs. 1200/-

Receipt No. and Date: 3086666 & 20/01/2025


Dr. K. M. Kulkarni
Director
Navjeevan Society's
Deepshikha Gurukul Sainik School
Chikhaldara, Dist. Amravati-444807


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