

Regional Public Health Laboratory Nagpur

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Principal, K.D.K. International School, Bhawapur, Dist. Nagpur

REPORT OF CHEMICAL EXAMINATION OF WATER FOR DRINKING PURPOSES

Date of Collection :- 18/04/2026 Date of Receipt :- 18/04/2026 Date of Examination 27/04/2026

(All the Analytical Results are in mg/Litre except pH, Turbidity)

Donwards

Sr. No.	TEST PARAMETER	(1)	(2)	(3)	BIS Specification 10500 : 2012 Normal Values	
					Desirable Limits	Permissible Limits
1.	Physical Appearance	Tubewell clear colourless			--	--
2.	Odour	Odourless			Aggreable	Aggreable
3.	Turbidity (as N.T.U.)	0.24			1.0	5.0
4.	pH Value	8.372			6.5 to 8.5	No relaxation
5.	Fluoride as F	0.17			1.0	1.5
6.	Nitrates (as NO ₃)	6.7			45	No relaxation
7.	Total Dissolved solid	454			500	2000
8.	Iron as F	0.369			0.3-1.0	No relaxation
9.	Chloride as Cl	102			250	1000
10.	Total Hardness as CaCo ₃	236			200	600
11.	Alklinity as CaCo ₃	180			200	600
12.	Calcium as Ca ⁺⁺	46.49			75	200
13.	magnesium as MS ⁺⁺	29.16			30	100
14.						
15.						
16.						
17.						
18.						
19.						
20.						

This report is restricted only for the Sample/s is Submitted to this Laboratory.

This Sample/s is / are not Collected by this Laboratory.

REMARKS

- A) Sample No. (s) _____ is/are potable / chemically fit for drinking purpose on the basis of analysed parameters only.

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

- B) Sample No. (s) (1) Contains Total hardness 236 ppm which is exceeding the desirable limit of 200 ppm, but the value is less than permissible limit.

However, if 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 it's bacteriological quality frequently or regularly.

- C) Sample No. (s) _____ Contains _____

Hence, this / these water source/s is /are chemically non potable / unfit for drinking purpose on the basis of analysed parameters only.

HEALTH SERVICES

No. RPHL/III/chem water/89/3325/26
Date: 04-05-2026

Forwarded to Compliments To :

Principal
K.D.K. International School
Ghiwapur, Dist. Nagpur

With reference to letter No. _____ Dated :

Fees Rs.

Receipt No. and Date :

Officer-in-charge
Regional Public Health Laboratory,
NAGPUR-440 001