

District / Sub Division Laboratory

Public Health Engineering Department Niwari

Report No. : N/0330

ANALYSIS REPORT		
Type Of Sample <u>Water Analysis Chemical test</u>		
PARTICULARS OF SENDER		
PARTICULARS OF SAMPLE		Collected/ Not Collected by PHED
Sample No.	Place of Collection and details Of Sample	Date
<u>1</u>	<u>Christ Tyote school niwari</u>	<u>4-6-24</u>
PARTICULARS TO BE FILLED IN THE LABORATORY		
Date of Receipt :-		Time Of Receipt :
Lab Reference No.		Tested On :

NATURE OF STUDY - CHEMICAL & BACTERIOLOGICAL ANALYSIS								
Characteristic	Unit.	As per BIS 10500:2012			Result			
		Requirement (Desirable)	Permissible Limit in the absence of Alternate Source	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
PHYSICAL								
1. Temperature	Dc	-----	-----	---	---	---	---	---
2. Turbidity	NTU	1.0	5.0	<u>2.0</u>	---	---	---	---
3. Colour	Hazen Units	5	15	---	---	---	---	---
4. Odour		Unobjectionable	Objectionable	---	---	---	---	---
CHEMICAL TESTS								
5. pH		pH Scale	6.5 to 8.5	No Relaxation	<u>6.0</u>	---	---	---
6. Total Hardness as CaCO ₃		Mg/l	200		<u>272</u>	---	---	---
7. Calcium as CA		Mg/l	75	200	---	---	---	---
8. Magnesium as Mg		Mg/l	30	100	---	---	---	---
9. Total Alkalinity as CaCO ₃		Mg/l	200	600	<u>184</u>	---	---	---
10. Chloride as Cl		Mg/l	250	1000	<u>10</u>	---	---	---
11. Nitrate as NO ₃		Mg/l	45	45	---	---	---	---
12. Total Dissolved Solids		Mg/l	500	2000	---	---	---	---
13. Iron as Fe		Mg/l	0.3	0.3	---	---	---	---
14. Sulphate as SO ₄		Mg/l	200	400	---	---	---	---
15. Fluoride as F		Mg/l	1.0	1.5	---	---	---	---
16. Manganese as Mn		Mg/l	0.1	0.3	---	---	---	---
17. Residual Chlorine as Cl ₂		Mg/l	0.3	1.0	---	---	---	---
18. Conductivity		U mhos/cm			---	---	---	---

BACTERIOLOGICAL TEST

Characteristic	Unit.	As per BIS 10500:2012		Result				
		Requirement (Desirable Limit)	Permissible limit in the absence of Alternate Source	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
19. M.P.N Of Coliform	Per 100ml		NIL	---	---	---	---	---
20. Faecal Coliform (TTC)	Per 100ml			---	---	---	---	---

Notes :- The figures indicated under the column Requirement (Desirable Limit) the limits upto which Water is the generally acceptable to the Consumers figures in excess to those mentioned under Requirement (Desirable Limit) the water not acceptable but still may be tolerated in the absence of an alternative and better source but upto the limits indicated under Column "Permissible limit in the absence of alternative source" above which the source will have to be rejected (Guideline Values for drinking water as per bis : 10500)

In all water intended for drinking E Coli or thermo tolerant coli form bacteria must not be detectable in any 100ml sample Treated water entering in/In distribution system E-coli or thermo tolerant Coli or thermo tolerant coli form bacteria and total coli form bacteria must not be detectable in any 100ml sample in case of large supplies, where sufficient sample are examined must not be present in 95% of sample taken through out any 24 month period.

This report should not be produced partly or full with out approval of signatory authority for legal purpose the result refer only to tested samples are parameters tested.

This lab does not hold any responsibility for variation in result for sample kept on hold for want of clarification.

Signature Of Analyst

[Signature]

Remarks of Analyst

[Signature]
Lab Incharge
(Authorised Signatory)
District/ Sub Division Laboratory,
Public Health Engineering Division,
Niwari (M.P.)

No.

To,

[Signature]
Assistant Engineer
Public Health Engineering
Sub division Niwari