

# // WATER ANALYSIS REPORT //

WATER TESTING LABORATORY, PUBLIC HEALTH ENGINEERING SUB DIVISION KHANDWA

Lab Report No:- 223, DWTL/PHE/KHANDWA

Date :- 5/12/2023

1. Particulars of Sender :

Bal Bharti Public School  
Khandwa

2. Particulars of Sample :

Place Where sample is collected -  
01. Bal Bharti Public School  
SSTPP Siwariya Township Khandwa  
- Tap Water

3. Senders Letter NO: - Nil Date :- 04.12.2023

4. MR NO :- 58/1357 Date:- 04.12.2023

5. Date of sample Receipt :- 04.12.2023

6. Date of Testing :- 04.12.2023

7. Nature of study :- Physical /Chemical/Bacteriological test

8. Water Sample Isn't Collected by Laboratory

S.No	Characteristics	Units	Appendix 23(a) as per manual on Water Supply Treatment prepared published by BIS Standard:IS 10500:2012		RESULT OBTAINED
			Requirement (Desirable Limit)	Permissible Limit in the Absence of Alternate Source	
1	2	3	4	5	6
<b>PHYSICAL - TEST</b>					
1	Turbidity	NTU	1	5	2.1
2	Colour	Hazen	5	15	-
<b>CHEMICAL - TEST</b>					
3	PH	pH Scale	6.5 to 8.5	No relaxation	7.59
4	TDS	Mg/L	500	2000	158
5	Chlorides	Mg/L	250	1000	17
6	Nitrates	Mg/L	45	45	-
7	Total Hardness (as CaCO <sub>3</sub> )	Mg/L	200	600	98
8	Calcium	Mg/L	75	200	24
9	Magnesium	Mg/L	30	100	9
10	Total Alkalinity (as CaCO <sub>3</sub> )	Mg/L	200	600	82
11	Iron (as Fe)	Mg/L	1.0	1.0	0.1
12	Fluoride (as F)	Mg/L	1.0	1.5	0.6
13	Sulphate (as SO <sub>4</sub> )	Mg/L	200	400	10
14	Residual Chlorine	PPM	0.2	1	-
<b>BACTERIOLOGICAL - TEST</b>					
15	Faecal Coliform	per/100 ml	Nil		Nil

Remark: -Please disinfection of drinking water is necessary with bleaching powder or sodium hypochloride before using .

NOTE :- The figures indicated under column "Desirable Limit" in table given above limits up to which the water is generally acceptable to the consumer.

The figures in excess of those mentioned under "Permissible Limit" render the water acceptable but still may be tolerated in the absence of alternative and better source below the limits indicated under column "Permissible Limit" above, beyond which the supply has to be rejected .

*Palve*  
**ANALYST**  
Water Testing Laboratory

**LABORATORY INCHARGE**  
Water Testing Laboratory

*[Signature]*  
**ASSISTANT ENGINEER**  
PHE SUB DIVISION KHANDWA

*[Signature]*  
**PRINCIPAL**  
BAL BHARTI PUBLIC SCHOOL  
KHANDWA