

**// WATER ANALYSIS REPORT //**

**WATER TESTING LABORATORY, PUBLIC HEALTH ENGINEERING SUB DIVISION KHANDWA**

1. Particulars of Sender :  
 Sr. Veronica Veera Rodrigues  
 Holy Spirit Convent School  
 Khandwa

2. Particulars of Sample :  
 Place Where sample is collected -  
 01. Tubewell

3. Letter NO: - 940 Date:- 12.01.2022  
 4. MR NO.- 22/1356 Date:- 24.01.2022  
 5. Date of sample Receipt :- 24.01.2022  
 6. Date of Testing :- 24.01.2022

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

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	1.1
2	Colour	Hazen	5	15	-
<b>CHEMICAL - TEST</b>					
3	PH	pH Scale	6.5 to 8.5	No relaxation	7.53
4	TDS	Mg/L	500	2000	320
5	Chlorides	Mg/L	250	1000	101
6	Nitrates	Mg/L	45	45	5
7	Total Hardness (as CaCO <sub>3</sub> )	Mg/L	200	600	190
8	Calcium	Mg/L	75	200	57
9	Magnesium	Mg/L	30	100	11
10	Total Alkalinity (as CaCO <sub>3</sub> )	Mg/L	200	600	178
11	Iron (as Fe)	Mg/L	1.0	1.0	0.1
12	Fluoride (as F)	Mg/L	1.0	1.5	0.8
13	Sulphate (as SO <sub>4</sub> )	Mg/L	200	400	83
14	Residual Chlorine	PPM	0.2	1	-
<b>BACTERIOLOGICAL - TEST</b>					
15	Faecal Coliform	per/100 ml	Nil		Nil

Remark: -Please disinfection of water is necessary with BLEACHING POWDER or SODIUM

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.

*Pand*  
**ANALYST**

**Water Testing Laboratory**

**LABORATORY INCHARGE**

**Water Testing Laboratory**

*guy*  
**ASSISTANT ENGINEER**

**PHE SUB DIVISION KHANDWA**