



Date: 28/06/2023

CHEMICAL RESULT OF WATER SAMPLE

Sl.No.	Chemical Constituents	WHO/BIS STANDARDS (IS:10500-2012)			
		Acceptable Limit	Permissible Limit in the absence of alternate source	BW	BIS status (Drinking purpose)
1	PH	6.5 to 8.5	No Relaxation	7.10	Potable
2	EC in $\mu\text{S}/\text{cm}$ at 25°C	750	3000	1330	Permissible
3	Total Hardness as CaCO_3 (mg/l)	300	600		
4	Ca (mg/l)	75	200		
5	Mg (mg/l)	30	100		
6	Na (mg/l)	50	200		
7	K (mg/l)	10	20		
8	CO_3 (mg/l)	-	-		
9	HCO_3 (mg/l)	300	600		
10	Cl (mg/l)	250	1000		
11	SO_4 (mg/l)	200	400		
12	NO_3 (mg/l)	45	No Relaxation		
13	F (mg/l)	1.0	1.5		
14	TDS	500	2000	851	Permissible
15	Turbidity (in NTU)	5.0	10		

Note: Results of the hydrochemical analysis of the bore Well sample revealed that the all parameters found to be within permissible limits as prescribed by who/BIS (2012) guidelines. The Bore well water is permissible for drinking purpose.

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