

PUBLIC HEALTH ENGINEERING DEPARTMENT
LABORATORY OF P.H.E. SUB - DIVISION MAJHGAWAN, SATNA (M.P.)

As Per BIS 10500 : 2012

Particular of Sample	---	Sender Letter No.	DATE - 30/05/2025
Date of Receipt	30/05/2025	Date of ANALYSIS	30/05/2025
Sample No.	DISTRICT	BLOCK	Location
01	SATNA	SOHAWAL	ST. HARSHAN CONVENT HR. SEC. SCHOOL MAIHAR BY PASS SONAURA DISTT. SATNA (M.P.)

Sample Collected by - SCHOOL

S. No.	Substance or Characteristic <u>PHYSICAL TESTS :-</u>	As Per BIS 10500 : 2012		ST. HARSHAN CONVENT HR. SEC. SCHOOL MAIHAR BY PASS SONAURA DISTT. SATNA (M.P.)
		Requirement (Desirable Limit)	Permissible limit in absence of alternate source	
		-----	-----	
1	Turbidity, NTU,	1.0	5.0	1.2
2	<u>CHEMICAL TESTS :-</u>			
	PH value ph scale,	6.5 to 8.5	No relaxation	7.82
3	Total Alkalinity mg/l,	200	600	100
4	Iron (as Fe) mg/l,	1.0	1.0	0.0
5	Chlorides (as Cl) mg/l,	250	1000	25.99
6	Total Hardness (as CaCO ₃) mg/l,	200	600	80
7	Calcium (as Ca) mg/l,	75	200	---
8	Magnesium (as Mg),mg/l.	30	100	---
9	Total Dissolved solids, mg/l,	500	2000	183
10	Manganese (as Mn) mg/l,	0.1	0.3	0.0
11	Sulphate (as SO ₄) mg/l,	200	400	6.125
12	Nitrate (as NO ₃) mg/l,	45	45	---
13	Fluoride (as F) mg/l,	1.0	1.5	0.0
14	<u>BACTERIOLOGICAL TESTS</u>	Nil	-----	----
	Total Coliform per 100 ml			
15	T.T. Coliform per 100 ml	Nil	-----	----

NOTES:- * The figures indicated under the column "**Requirement (Desirable Limit)**" the limits unto which water is generally acceptable to the consumers. Figures in excess of 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 Alternate 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 Coliform bacteria must not be detectable in any 100 ml sample


Chemist

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Distt. Satna (M.P.)


Assistant Engineer
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