

PUBLIC HEALTH ENGINEERING DEPARTMENT

DISTRICT WATER TESTING LABORATORY P.H.E.D. INDORE (M.P.)

ANALYSIS REPORT

Type of sample - Boring water sample
 Particular of sender - Pr. Govt. Sri Chaitanya T. School, Indore (Phandwa Road) Indore
 Particular of sample - 1571
 Collected / Not collected by PHED

Sample no.	Place of collection and details of sample	Date
01	Boring water, <u>Sri Chaitanya T. School</u> Campus, Phandwa Road, Indore	04/03/2015

particular to be filled in the laboratory
 Date of Receipt:- 04/03/2015 Time of Receipt:- 12:30 PM
 Lab Reference No. U4/04-03-2015 Date of Analysis:- 04/03/2015

Nature of Testing- Physical, Chemical and Bacteriological Analysis

S no.	Characteristics	Unit	As Per BIS -10500:2012 for Drinking water		Result			
			Requirement (Desirable Limit)	Permissible Limit in the absence of alternet source	Sample 1	Sample 2	Sample 3	Sample 4

PHYSICAL TESTS

1	Temperature	°C	-	-	-			
2	Turbidity	NTU	1.0	5.0	2.9			
3	Colour	Hazen	5	15	0			
4	Taste Rating	-	Agreeable	Agreeable	Agreeable			
5	Odour	-	Agreeable	Agreeable	Agreeable			

CHEMICAL TESTS

6	pH Value	pH Scale	6.5 to 8.5	No relaxation	6.99			
7	Total Hardness as CaCO ₃	Mg/l	200	600	172			
8	Calcium as Ca ⁺⁺	Mg/l	75	200	26.8			
9	Magnisium as Mg ⁺⁺	Mg/l	30	100	25.2			
10	Total Alkalinity as CaCO ₃	Mg/l	200	600	98			
11	Chloride as Cl ₂	Mg/l	250	1000	97			
12	Nitrate as NO ₃	Mg/l	45	45	10.12			
13	Total Dissolved Solids	Mg/l	500	2000	521			
14	Iron	Mg/l	1.0	1.0	0.10			
15	Sulphate as SO ₄	Mg/l	200	400	27.95			
16	Fluoride as F ⁻	Mg/l	1.0	1.5	0.40			
17	Manganese as Mn	Mg/l	0.1	0.3	00			
18	Residual Chlorine as Cl ₂	Mg/l	0.2	1.0	-			
19	Arsenic	Mg/l	0.01	0.0	-			

BACTERIOLOGICAL TESTS

20	MPN of Coliform	Per 100 ml	Nil	00	 Sri Chaitanya Techno School Phandwa Road, Indore
21	Faecal Coliform	Per 100 ml		00	

दि. 13/3/15