

PUBLIC HEALTH ENGINEERING DEPARTMENT

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

ANALYSIS REPORT

Type of sample :-

Particular of sender :-

Particular of sample

Water Cooler Sample

M. Sanyal Verma, The Dikshak School, Indore

Collected / Not collected by PHED ☒

Sample no	Place of collection and details of sample	Date
01	Water Cooler, The Dikshak School, Indore	29/10/2025

Particular to be filled in the laboratory

Date of Receipt:- 29/10/2025

Time of Receipt:- 12:30 PM

Lab Reference No 35/30-10-2025

Date of Analysis:- 30/10/2025

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 alternate source	Sample 1	Sample 2	Sample 3	Sample 4

PHYSICAL TESTS

1	Temperature	°C	-	-	-			
2	Turbidity	NTU	10	50	4			
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	6.50			
7	Total Hardness as CaCO ₃	Mg/l	200	600	40			
8	Calcium as Ca ⁺⁺	Mg/l	75	200	7.2			
9	Magnesium as Mg ⁺⁺	Mg/l	30	100	5.28			
10	Total Alkalinity as CaCO ₃	Mg/l	200	600	26			
11	Chloride as Cl	Mg/l	250	1000	18			
12	Nitrate as NO ₃	Mg/l	45	45	5.70			
13	Total Dissolved Solids	Mg/l	500	2000	7.9			
14	Iron	Mg/l	10	10	0.20			
15	Sulphate as SO ₄	Mg/l	200	400	8.12			
16	Fluoride as F	Mg/l	1.0	1.5	0.20			
17	Manganese as Mn	Mg/l	0.1	0.3	0.0			
18	Residual Chlorine as Cl ₂	Mg/l	0.2	1.0	-			
19	Arsenic	Mg/l	0.01	0.0	0.0			

BACTERIOLOGICAL TESTS

20	MPN of Coliform	Per 100 ml	Nil	0.0			
21	Faecal Coliform	Per 100 ml		0.0			

NOTES - The figure 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 alternative source". above which the source will have to be rejected (Guideline values for Drinking Water as Per BIS 10500: 2012).

In All water intended for Drinking Water E Coli or Thermo tolerant Coliform Bacteria must not be Detectable in any 100 ml sample

Treated water entering in / in distribution system E.Coli or Thermo Tolerant Coliform bacteria and Total Coliform bacteria must not be detectable in any 100 ml sample. In case of large supplies, Where sufficient samples are examined must not be present in 95% of samples taken through out any 12 months period.

Remark if any -

As per above test water sample is found potable water.



Chemist

District Water Testing Laboratory

P.H.E. Sub.Dn.Indore

Distt. Indore



Assistant Engineer

PHE Sub. Dn. Indore

Dist-Indore, (M.P.)

NO.

1364

/lab/ A.E/ Phe.sub.Division Indore Date 26/11/25