

HIMACHAL PRADESH IRRIGATION AND PUBLIC HEALTH DEPARTMENT WATER TESTING LABORATORY

Name and address of sender: Lotus Sr. Sec. Public School Indora Division: Indora 4176
 Name of District: Kangra Sub-Division: Indora Section: Indora
 Name of Panchayat: Indora Name of Village: Indora Name of Habitation(s): School Campus
 Name of Scheme and Location of Source: Dore - well Lotus - School
 Type of Source: Scheme source / Delivery Point / Stand Post / Surface Water / Private / Public
 Date & Time of Receipt at laboratory: 18/05/2026 Date & Time of Commencing: 11:30 A.M.
 Type of Sample: Raw Water / Filtered Water / Chlorinated water / Distributed system / Hand Pump.
 Limits : Based upon BIS : 10500-2012

(A) PHYSICAL PARAMETER

Sr. No.	Test Parameter	Units	Acceptable Limit	Permissible Limit (in the absence of alternate source)	Result
1.	Temperature	C°			12.8°C
2.	Colour	Hazen Units	5	15	1
3.	Odour	--	Agreeable	Agreeable	Agreeable
4.	Taste	--	Agreeable	Agreeable	Agreeable
5.	Turbidity (NTU)	NTU	1	5	1.75
6.	ph	--	6.5-8.5	No Relaxation	7.23

(B) CHEMICAL PARAMETER

7.	TDS/Elect Conductivity	Mg/l	500	2000	242
8.	Total Alkalinity	Mg/l	200	600	170.0
9.	Chloride (as Cl)	Mg/l	250	1000	45.0
10.	Total Hardness	Mg/l	200	600	155.0
11.	Nitrate (as NO3)	Mg/l	45	No relaxation	10.0
12.	Fluoride (as F)	Mg/l	1.0	1.5	0.0
13.	Sulphate (as SO4)	Mg/l	200	400	1
14.	Ammonia	Mg/l	0.5	No relaxation	1
15.	Sodium*	Mg/l	--	--	1
16.	Potassium*	Mg/l	--	--	1

(C) HEAVY METALS

17.	Iron Mg/l	Mg/l	0.3	No relaxation	0.1
18.	Magnese (as Mn)	Mg/l	0.1	0.3	1
19.	Total Arsenic (as As)	Mg/l	0.01	0.05	1
20.	Copper*	Mg/l	0.05	1.5	1
21.	Total Chromium (as Cr)*	Mg/l	0.05	No relaxation	1
22.	Lead*	Mg/l	0.01	No relaxation	1
23.	Nickel*	Mg/l	0.02	No relaxation	1
24.	Zinc*	Mg/l	5	15	1
25.	Aluminum*	Mg/l	0.03	0.2	1
26.	Selenium*	Mg/l	0.01	No relaxation	1
27.	Silver*	Mg/l	0.1	No relaxation	1

(D) MICROBIOLOGICAL

28.	Total coli froms	Number/100ml	Nil	Nil	Nil
29.	E-Coli/Thermo tolerant Coliforms	Number/100ml	Nil	Nil	Nil

(E) SPECIFIC PARAMETER

30.	Free Resicuel Chlorine	Mg/l	0.2	1.0	0.0
31.	Oil & Grease*	Mg/l	--	--	1
32.	Dissolved (DO)*	Mg/l	--	--	1
33.	Biochemical Oxygen Demand*	Mg/l	--	--	1
34.	Chemical oxygen Demand*	Mg/l	--	--	1

Note:- Indicate discrete sampling water quality monitoring to be continued only if these are traced in drinking water sources

Remarks: 21/05/2026

Assistant Chemist
IPH Sub-Division

Assistant Engineer
IPH Sub-Division