

Himachal Pradesh Jal Shakti Vibhag

Lab Ref. No. **MDP/670**

Water Testing Laboratory, Mandi (H.P.)

G. R. No. :- 1601207

Name and Address of Sender: **Principal of Indus Global School (India) Mandi, Tehsil Sadar, Mandi (H.P.)**
 Name of District: **Mandi** Name of Block: **Mandi Sadar** Name of Panchayat: **Jarli**
 Name of Village: **Indus Global School (India) Mandi** Name of Habitation(s): **Borewell At Indus Global School (India) Mandi,**
 Name of Scheme and Location of Source: **Tehsil Sadar, Mandi (H.P.)**

Type of Source: Scheme source / **Delivery Point** / Stand Post / Surface Water / Private / Public.
 Date and time of collection: **14/02/2025** Date & Time of Receipt at Laboratory: **14/02/2025 4:00 PM**
 Date & time of Commencing: **14/02/2025 to 18/02/2025** Type of Sample: Raw Water / **Borewell** / Filtered
 Water / Chlorinated Water / Distributed System / Hand Pump limits: **Based upon BIS : 10500-2012**

(A) PHYSICAL PARAMETER

S.No.	Test Parameter	Units	Acceptable Limit	Permissible limits[in the absence of alternate source]	Result
1.	Temperature	°C	-	-	17.6°C
2.	Colour	Hazen units	5	15	5
3.	Odour	-	Agreeable	Non agreeable	Agreeable
4.	Taste	-	Agreeable	Non agreeable	Agreeable
5.	Turbidity [NTU]	NTU	1	5	1.9
6.	pH	-	6.8 - 8.5	No relaxation	7.27

(B) CHEMICAL PARAMETER

7.	TDS Electrical Conductivity	mg/l.	500	2000	170
8.	Total Alkalinity	mg/l.	200	600	72
9.	Chlorides [as Cl]	mg/l.	250	1000	18
10.	Total Hardness	mg/l.	200	600	82
11.	Nitrate [as NO ₃]	mg/l.	45	No relaxation	
12.	Fluoride [as F]	mg/l.	1.0	1.5	
13.	Sulphate [as SO ₄ ²⁻]	mg/l.	200	400	
14.	Ammonia	mg/l.	0.5	No relaxation	
15.	Calcium as Ca	mg/l.	75	200	18.44
16.	Magnesium as Mg	mg/l.	30	100	5.83

(C) HEAVY METALS

17.	Iron	mg/l.	0.3	No relaxation	0.02
18.	Manganese [as Mn]	mg/l.	0.1	0.3	
19.	Total Arsenic [as As]	mg/l.	0.01	0.05	0.00
20.	Copper*	mg/l.	0.05	1.5	
21.	Total Chromium [as Cr]*	mg/l.	0.05	No relaxation	
22.	Lead*	mg/l.	0.01	No relaxation	
23.	Nickle*	mg/l.	0.02	No relaxation	
24.	Zinc*	mg/l.	5	15	
25.	Aluminium*	mg/l.	0.03	0.2	
26.	Selenium*	mg/l.	0.01	No relaxation	
27.	Silver*	mg/l.	0.1	No relaxation	

(D) MICROBIOLOGICAL

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

(E) SPECIFIC PARAMETER

30.	Free Residual Chlorine	mg/l.	0.2	1.0	Nil
31.	Oil & Grease*	mg/l.	-	-	
32.	Dissolved [DO]*	mg/l.	-	-	
33.	Biological Oxygen Demand*	mg/l.	-	-	
34.	Chemical Oxygen Demand*	mg/l.	-	-	

NOTE: Indicate discrete sampling. Water quality monitoring to be continued only if these are traced in drinking watersources.

Remarks: **On the basis of sample received in the laboratory, this water sample is found fit for drinking purpose**

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