

Himachal Pradesh Jal Shakti Vibhag

Lab Ref. No. MDP/582

Water Testing Laboratory, Mandi (H. P.)

Name and Address of Sender..... Indus Global School (India) Mandi (H.P.)
 Division..... Sub-Division..... Section.....
 Name of District: Mandi Name of Block: Mandi Sadak Name of Panchayat: Jardi
 Name of Village: Jardi Name of Habitation(s): Indus Global School Mandi (H.P.)
 Name of Scheme and Location of Source: B/well at Indus Global School Mandi (H.P.)
 Type of Source: Scheme source / Delivery Point / Stand Post / Surface Water / Private / Public.
 Date and time of collection: 20/03/24 Date & Time of Receipt at Laboratory: 20/03/24 @ 11:00 AM
 Date & time of Commencing: 20/03/24 To 21/03/24 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	-	-	17.2°C
2.	Colour	Hazen units	5	15	5 H.U.
3.	Odour	-	Agreeable	Non agreeable	Agreeable
4.	Taste	-	Agreeable	Non agreeable	-do-
5.	Turbidity [NTU]	NTU	1	5	1.5 NTU
6.	pH	-	6.8 - 8.5	No relaxation	7.41

(B) CHEMICAL PARAMETER

7.	TDS/Electrical Conductivity	mg/l.	500	2000	145
8.	Total Alkalinity	mg/l.	200	600	136
9.	Chlorides [as Cl]	mg/l.	250	1000	18
10.	Total Hardness	mg/l.	200	600	92
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 ⁸ as Ca	mg/l.	75	200	21.64
16.	Magnesium ⁸ as Mg	mg/l.	30	100	5.34

(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	-

(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:

[Signature]
 Assistant Chemist
 Jal Shakti Vibhag,
 Water Testing Lab. Mandi (H.P.)

Assistant Engineer
 Jal Shakti Vibhag,
 Sub Division- Mandi(H.P.)