

**HIMACHAL PRADESH JAL SHAKTI VIBHAG
SUB-DIVISIONAL LEVEL LABORATORY, BAGGI**

Lab. Ref. No.

86-B1637

REPORT ON PHYSICAL CHEMICAL & BACTERIOLOGICAL EXAMINATION OF WATER SAMPLE

Sender AENO II Baggi

Division Baggi
Sub-Division Gohar
Section Gohar

Panchayat Gohar Village Gohar Habitation Gohar
District Mandi Block Gohar

(Water samples collected and forwarded by the sender)
Name of scheme and Location of source NSS Gohar Kondhol

Type of Source Nagarni Nalla Place of collection at 9333 Gohar

Date and Time of Collection 08/10/2025 at 7:25am

Date and Time of Collection at Laboratory 08/10/2025 at 11:15am

Nature of water : 1. Raw Water 2. Treated/Distribution Water 3. Hand Pump 4. Tube Well

Limits : Based upon BIS 10500-2012

(A) PHYSICAL TESTS

S.No.	Parameter	Unit	Acceptable Limit	Cause of Rejection	Result
1.	Temperature	*C	-	-	26.6
2.	Turbidity	NTU	1	5	3.52
3.	Colour	Hazen Units	5	15	6CU
4.	Odour	-	Agreeable	Agreeable	Agreeable
5.	Taste	-	Agreeable	Agreeable	Agreeable
6.	pH	-	6.5-8.5	No Relaxation	6.94

(B) CHEMICAL TESTS

S.No.	Parameter	Unit	Acceptable Limit	Cause of Rejection	Result
1.	TDS	Mg/l	500	2000	49.5
2.	Residual Chlorine	Mg/l	0.2 to 0.5	1.0	0.2
3.	Total Hardness	Mg/l	200	600	18
4.	Total Alkalinity	Mg/l	200	600	24
5.	Chloride	Mg/l	250	1000	8.5
6.	SULPHATE	Mg/l	200	400	/
7.	Nitrates	Mg/l	45	No Relaxation	/
8.	Iron	Mg/l	0.3	1.0	/
9.	Fluorides	Mg/l	1.0	1.5	/
10.	Manganese	Mg/l	0.1	0.3	/
11.	Arsenic*	Mg/l	0.01	0.05	/
12.	Magnesium	Mg/l	30	100	2.92
13.	Calcium	Mg/l	75	200	8.4

(C) BACTERIOLOGICAL TESTS

S.No.	Parameter	Unit	Acceptable Limit	Cause of Rejection	Result
1.	Total Coll forms	T, PN/100 ml	Nil	Nil	Nil
2.	F-Coll	MPN/100 ml	Nil	Nil	-

Note : *Indicate Discrete Sampling. Water quality monitoring to be continued only if these are traced in drinking water sources.

Remark Water sample conforms to IS Code 10500-2012 as per water sample tested above.

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Jal Shakti Sub Division No. II
Baggi

P.A.
Principal
Govt. Sr. Sec. School
Gohar, Distt. Mandi (H.P.)

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