

Lab. Ref. No.

143

HIMACHAL PRADESH I. & P. H. DEPARTMENT

SUB-DIVISIONAL LEVEL LABORATORY, SUNDERNAGAR

Dispatch No

REPORT ON PHYSICAL CHEMICAL & BACTERIOLOGICAL EXAMINATION OF WATER SAMPLE

5804

Sender :

Genius International
Public School Ner Chowk

Division : - SNR

18/01/23

Sub-Division : _____

Section : _____

Panchayat _____ Village _____ Habitation _____

District Mandi Block SNR

(Water samples collected and forwarded by the sender)

Name of Scheme : G.I.P.S. Ner Chowk (Abhilashi)

Type of Source : _____ Place of Collection : _____

Date & Time of Collection : 18/01/23

Date & Time of Collection at Laboratory : 18/01/23 at 12:30pm

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	UNITS	ACCEPTABLE LIMIT	Cause of Rejection	RESULT
1	Temperature	°c	-	-	
2	Turbidity	NTU	1	5	15.3
3	Colour	Hazen Units	5	15	1.0
4	Odour	—	Acceptable	Acceptable	Acceptable/P
5	Taste	—	Acceptable	Acceptable	Acceptable/P
6	pH	—	6.5-8.5	No relaxation	6.73
(B) CHEMICAL TESTS					
1	TDS	Mg/l	500	2000	160
2	Residual Chlorine	Mg/l	0.2 to 0.5	1.0	—
3	Total Hardness	Mg/l	200	600	124
4	Total Alkalinity	Mg/l	200	600	93
5	Chloride	Mg/l	250	1000	14
6	Sulphate	Mg/l	200	400	81.5
7	Nitrates	Mg/l	45	No relaxation	4.5
8	Iron	Mg/l	0.3	1.0	Nil
9	Fluorides	Mg/l	1.0	1.5	0.62
10	Manganese	Mg/l	0.1	0.3	—
11	Arsenic*	Mg/l	0.01	0.05	—
(C) BACTERIOLOGICAL TESTS					
1	Total Coli forms	MPN/100ml	Nil	> Nil	—
2	E-coli	MPN/100ml	Nil	> Nil	—

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

REMARKS: Water sample parameters tested above are within limits.

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