

REPORT ON PHYSICAL CHEMICAL & BACTERIOLOGICAL EXAMINATION OF WATER SAMPLE

Sender: S.D.O. Civil Works BSL
Division: BSL (PW) Slapper

Division: Jal Shakti Vibhag
Sub-Division: Sundernagar
Section: 1

Fanchyat: Village: Sundernagar
District: Mandi Block: Sundernagar

(Water samples collected and forwarded by the sender)

Name of Scheme: BSL Slapper

Type of Source: River

Place of Collection: Tap water

Date & Time of Collection: 28/07/21 at 11:15am

Date & time of Collection at Laboratory: 28/07/21 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	UNITS	ACCEPTABLE LIMIT	Cause of Rejection	RESULT
1	Temperature	°C	-	-	1.0
2	Turbidity	NTU	1	5	Acceptable
3	Colour	Hazen Units	5	15	Acceptable
4	Odour	—	Acceptable	Acceptable	Acceptable
5	Taste	—	Acceptable	Acceptable	Acceptable
6	pH	—	6.5-8.5	No relaxation	6.60
(B) CHEMICAL TESTS					
1	TDS	Mg/l	500	2000	64
2	Residual Chlorine	Mg/l	0.2 to 0.5	1.0	0.2
3	Total Hardness	Mg/l	200	600	36
4	Total Alkalinity	Mg/l	200	600	20
5	Chloride	Mg/l	250	1000	4.9
6	Sulphate	Mg/l	200	400	6.5
7	Nitrates	Mg/l	45	No relaxation	0.01
8	Iron	Mg/l	0.3	1.0	0.57
9	Fluorides	Mg/l	1.0	1.5	—
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	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: Chloride sample parameters tested above are within limits
Total count of Coliforms are nil

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PRINCIPAL
GOVT. BSL SR SEC SCHOOL
Slapper DISTT MANDI (HP)