

Lab. Ref. no.

181

HIMACHAL PRADESH JAL SHAKTI VIBHAG

SUB-DIVISIONAL LEVEL LABORATORY, SUNDERNAGAR

REPORT ON PHYSICAL CHEMICAL & BACTERIOLOGICAL EXAMINATION OF WATER SAMPLE

Sender: Dr. Hiten Singh, SDO
Water Supply & Sanitation Sub-Division
BRMB, Sundernagar

Division :
 Sub-Division :
 Section :

Panchayat : Village :
 District : Block :
 Habitation :

Water samples collected and forwarded by the sender)

Name of Scheme : R.C. Water Supply Scheme BRMB, S.N.R.
 Type of Source : Relaxation Well Place of Collection : SR. H.S. Sani, Tap

Date & Time of Collection : 22-1-25
 Date & Time of Collection at Laboratory : 22-1-25 at 10:45 am

Kind of Water : 1. Raw Water 2. Treated / Distribution Water 3. Hand pump 4. Tube Well

Tests : Based upon BIS: 10500-2012

		(A) PHYSICAL TESTS		
No.	Parameter	UNITS	ACCEPTABLE LIMIT	Cause of Rejection
1	Temperature	°C	-	-
2	Turbidity	NTU	1	-
3	Colour	Hazen Units	5	-
4	Odour	-	Acceptable	15
5	Taste	-	Acceptable	Acceptable
6	pH	-	6.5-8.5	Acceptable
		(B) CHEMICAL TESTS		
7	TDS	Mg/l	500	No relaxation
8	Residual Chlorine	Mg/l	0.2 to 0.5	2000
9	Total Hardness	Mg/l	200	1.0
10	Total Alkalinity	Mg/l	200	600
11	Chloride	Mg/l	250	600
12	Sulphate	Mg/l	200	1000
13	Nitrates	Mg/l	45	400
14	Iron	Mg/l	0.3	No relaxation
15	Fluoride	Mg/l	1.0	1.0
16	Manganese	Mg/l	0.1	1.5
17	Arsenic	Mg/l	0.01	0.3
		(C) BACTERIOLOGICAL TESTS		
18	Total Coliforms	MPN/100ml	Nil	> Nil
19	Fecal	MPN/100ml	Nil	> Nil

Water quality monitoring to be continued only if these are traced in drinking water sources.

Assistant Engineer
 Jal Shakti Vibhag Sub-Division
 Sundernagar