

**HIMACHAL PRADESH JAL SHAKTI VIBHAG
WATER TESTING LABORATORY
PUBLIC HEALTH SUB-DIVISION BHOTA, DISTT. HAMIRPUR**

Lab. Ref. No. SHMR..... 2077
Name & Address of Sender..... Assistant Engineer

Dated..... 30-09-2025
Division..... PARSAG
Sub Div..... GASSAG
Section..... Bijhola
J.E..... Sh. Anil Kumar

1. Name of Scheme..... Luss 99 Village Deetridh - 2nd
2. Nature of Source..... Public Tap
3. Place of Collection..... at SJM Govt. Sr. Sec. School Sohari
4. Date & Time receipt of laboratory..... 30-09-2025 11:10 AM
5. Date and Time of commencing of Examination..... 30-09-2025 11:30 AM
6. Nature of Sample:-
1. Raw Water 2. Chlorinated Water 3. Filtered Water
4. Distribution System 5. Hand Pump 6. Well

(A) PHYSICAL TESTS)

| Sr. No. | Parameter | Acceptable | Permissible limit | Result of Sample |
|---------|--------------------|------------|-------------------|------------------|
| 1. | Temperature | | | |
| 2. | Turbidity (NTU) | 1.00 NTU | 5.00 NTU | 2.0 N.T.U |
| 3. | Colour | 5 HU | 15 HU | 2.0 Hazen Unit |
| 4. | Taste | Agreeable | Agreeable | Agreeable |
| 5. | Odour | Agreeable | Agreeable | Agreeable |
| 6. | PH/Value | 6.5-8.5 | No relaxation | 8.1 |
| 7. | TDS / Conductivity | 500 mg/l | 2000 mg/l | 219 mg/l |

(B) CHEMICAL TESTS)

| | | | | |
|-----|---------------------------|-----------|---------------|------------|
| 1. | Residual chlorine | 0.2 ppm | 1.0 ppm | 0.2 Ppm |
| 2. | Total Alkalinity | 200 mg/l | 600 mg/l | 196 mg/l |
| 3. | Total hardness mg/l caco3 | 200 mg/l | 600 mg/l | 216 mg/l |
| 4. | Calcium mg/l | 75mg/l | 200 mg/l | 44.6 mg/l |
| 5. | Magnesium (mg) | 30 mg/l | 100 mg/l | 25.23 mg/l |
| 6. | Chloride mg/l | 250 mg/l | 1000 mg/l | 18 mg/l |
| 7. | Iron mg/l | 0.3 mg/l | 1.0 mg/l | 0.0 mg/l |
| 8. | Nitrates mg/l | 45 mg/l | No Relaxation | 0.0 mg/l |
| 9. | Fluoride mg/l | 1.0 mg/l | 1.5 mg/l | 0.0 mg/l |
| 10. | Sulphate mg/l | 200 mg/l | 400 mg/l | - mg/l |
| 11. | Arsenic mg/l | 0.01 mg/l | 0.05 mg/l | 0.0 mg/l |

(C) BACTERIOLOGICAL TESTS)

| | | | | |
|----|--|-----|-----|---------------|
| 1. | Total No. of coliforms Faecal Coliforms | Nil | Nil | Nil MPN/100ml |
| 2. | E-Coli/100ml | Nil | Nil | - |

REMARKS:-

..... Above tested parameters are within permissible limit.....

Assistant Chemist
ISV Lab. Bhot

Self Attested

Principal
SJM GSSS Sohari
Distt. Hamirpur (H.P.)

Assistant Engineer
ISV Sub-Div. Bhot
Distt. Hamirpur (H.P.)