

# WATER TESTING LABORATORY

Jal Shakti Sub-Division ..... ARKI ..... Distt. .... SOLAN .....

Based Upon 10500-2012

Lab Ref. No. 2921

Date. 19 / 03 / 2025

Name and Address of Sender-AE JAL SHAKTI SUB-DIVISION ..... ARKI .....

Name of District ..... SOLAN ..... Block ..... KUNIHAR ..... Section ..... ARKI .....

Gram Panchayat ..... BAKHALAG ..... Village ..... BANWA .....

Name of Scheme & Source ..... DCM LAND OF GODS SCHOOL .....

Date & Time of Collection ..... 17/03/2025 ..... 9:00 AM .....

Date & Time of Receipt at Laboratory ..... 17/03/2025 ..... 11:00 AM .....

Date & Time Of Commencing ..... 17/03/2025 ..... 12:00 PM .....

Type of Sample :- 1. Raw Water 2. Filtered Water 3. Chlorinated 4. Distributed system  
(Pvt. Tap, Public stand post) 5. Hand Pump

| A. PHYSICAL TEST :- |                   | 1               | 2                 | 3               |
|---------------------|-------------------|-----------------|-------------------|-----------------|
| Sr. No              | TEST              | DESIRABLE LIMIT | PERMISSIBLE LIMIT | ACTUAL RESULT   |
| 1                   | Temperature       |                 |                   | <u>25</u> °C    |
| 2                   | Colour            | 5               | 15                | <u>05</u>       |
| 3                   | Odour             | Agreeable       | Agreeable         | —               |
| 4                   | Taste             | Agreeable       | Agreeable         | —               |
| 5                   | Turbidity         | 1 NTU           | 5 NTU             | <u>01</u> NTU   |
| 6                   | TDS/ Conductivity | 500mg/1         | 2000gm/1          | <u>125</u> mg/1 |

### B. CHEMICAL TEST :-

|    |                   |          |           |                   |
|----|-------------------|----------|-----------|-------------------|
| 7  | pH                | 6.5      | 8.5       | <u>7.46</u> mg/1  |
| 8  | Total Alkalinity  | 200mg/1  | 600 mg/1  | <u>110</u> mg/1   |
| 9  | Chlorides         | 250mg/1  | 1000 mg/1 | <u>17.10</u> mg/1 |
| 10 | Fluoride          | 1.5mg/1  | 1.5mg/1   | — mg/1            |
| 11 | Nitrate           | 45mg/1   | 45mg/1    | — mg/1            |
| 12 | Sulphate          | 200mg/1  | 400mg/1   | — mg/1            |
| 13 | Total Hardness    | 200mg/1  | 600mg/1   | — mg/1            |
| 14 | Iron              | 1.0mg/1  | 0.3mg/1   | <u>115</u> mg/1   |
| 15 | Manganese         | 1.0mg/1  | 0.3mg/1   | — mg/1            |
| 16 | Total Arsenic     | 0.01mg/1 | 0.01mg/1  | — mg/1            |
| 17 | Residual Chlorine | 1.2mg/1  | 1mg/1     | <u>0.0</u> mg/1   |

### C. BACTERIOLOGICAL TEST :-

|    |                                    |      |      |              |
|----|------------------------------------|------|------|--------------|
| 18 | Total Coli -Form                   | OMNP | OMNP | — MNP        |
| 19 | E. Coil/ Thermo Tolerant Coil From | OMNP | OMNP | <u>0</u> MNP |

Remarks : All the water sample parameters tested are in permissible limit

Assistant Engineer Water Testing Lab. Arki  
For Contt. Jyoti Trading Company

Jr. Engineer Jal shakti Section. Arki

Assistant Engineer Jal Shakti Sub Div. Arki