

# TRADE WASTE AND EFFLUENTS RESEARCH UNIT (REGIONAL LAB) PATIALA

Room No. 301, 2nd Floor, Water Supply & Sanitation Department, Head Office, Nabha Road, Patiala  
researchunitpatiala@yahoo.in



TC-14242

## TEST REPORT

|                                                                              |                                           |                          |                                              |
|------------------------------------------------------------------------------|-------------------------------------------|--------------------------|----------------------------------------------|
| Name & Address of Customer :<br><b>BUDHA DAL PUBLIC SCHOOL,<br/>Patiala.</b> |                                           | Customer Reference No.   | No : 001 Dated : 26/06/2026                  |
|                                                                              |                                           | Sample Submitted by      |                                              |
|                                                                              |                                           | Date of Sample Receipt   | 01/07/2026                                   |
|                                                                              |                                           | Analysis Starting Date   | 01/07/2026                                   |
|                                                                              |                                           | Analysis completion Date | 03/07/2026                                   |
| Discipline : Chemical Testing                                                |                                           | Group: Water             |                                              |
| ULR No.:                                                                     | TC142422600000252F                        | Sample Type :            | Water                                        |
| Test Report No.:                                                             | TWERU/2627/00234                          | Date of Issue :          | 06/07/2026                                   |
| Registration no.:                                                            | TWERU/REG2627/01090                       | Condition of Sample :    | Unsealed                                     |
| Collection Point:                                                            | Treatment Plant (RO/CWPP/ARP/HH Purifier) | Quantity/Type of Bottle: | 2000 ml / Plastic Bottles                    |
| Scheme/Source:                                                               | Not Mentioned(Not Mentioned)              | Location/Depth :         | Ro at Budha Dal Public School, Patiala. / NA |
| Village :                                                                    | Not Mentioned                             | Habitation :             | Not Mentioned                                |
| Block:                                                                       | Not Mentioned                             | District :               | Patiala                                      |
| Latitude :                                                                   | Not Mentioned                             | Longitude:               | Not Mentioned                                |

| Sr. No | Parameter                         | Result   | As per IS-10500:2012 (2nd Rev.) |                   | Unit | Reference Method :                                            |
|--------|-----------------------------------|----------|---------------------------------|-------------------|------|---------------------------------------------------------------|
|        |                                   |          | Acceptable Limit                | Permissible Limit |      |                                                               |
| 1      | pH                                | 7.20     | 6.5-8.5                         | No Relaxation     | --   | IS 3025 (Part 11-2022) Electrometric Method                   |
| 2      | TDS                               | 130      | 500                             | 2000              | mg/l | IS 3025 (Part 16-2023) Gravimetric Method                     |
| 3      | Turbidity                         | 0.98     | 1                               | 5                 | NTU  | IS 3025 (Part 10-2023) Nephelometric Method                   |
| 4      | T. Alkalinity(CaCO <sub>3</sub> ) | 24       | 200                             | 600               | mg/l | IS 3025 (Part 23-2023) Indicator Method                       |
| 5      | T. Hardness(CaCO <sub>3</sub> )   | 72       | 200                             | 600               | mg/l | IS 3025 (Part 21- 2009)(RA 2023) EDTA Method                  |
| 6      | Calcium(Ca)                       | 18       | 75                              | 200               | mg/l | IS 3025 (Part 40-2024) EDTA Titrimetric Method                |
| 7      | Magnesium(Mg)                     | 7        | 30                              | 100               | mg/l | APHA (24th Ed.2023) Method: 3500-Mg+2 B By Calculation Method |
| 8      | Fluoride(F)                       | BDL(0.1) | 1.0                             | 1.5               | mg/l | APHA 24th Ed.2023, Method 4110                                |
| 9      | Chloride(Cl)                      | 23       | 250                             | 1000              | mg/l | APHA 24th Ed.2023, Method 4110                                |
| 10     | Nitrate(NO <sub>3</sub> )         | 2        | 45                              | No Relaxation     | mg/l | APHA 24th Ed.2023, Method 4110                                |
| 11     | Sulphate(SO <sub>4</sub> )        | 25       | 200                             | 400               | mg/l | APHA 24th Ed.2023, Method 4110                                |
| 12     | Iron                              | BDL(0.2) | 1                               | No Relaxation     | mg/l | APHA 3111-B (23rd Ed. 2017) by AAS                            |
| 13     | Manganese                         | BDL(0.1) | 0.1                             | 0.3               | mg/l | APHA 3111-B (23rd Ed. 2017) by AAS                            |

Continue on next page...

Reviewed and Approved By

*Brij Bhushan*

Sh. Brij Bhushan  
Quality Manager  
Authorized Signatory  
For, Trade Waste and Effluents Research Unit  
(Regional Lab) Patiala

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|    |                       |            |      |               |      |                                        |
|----|-----------------------|------------|------|---------------|------|----------------------------------------|
| 14 | Zinc                  | 0.1050     | 5    | 15            | mg/l | APHA 3111-B (23rd Ed. 2017) by AAS     |
| 15 | Arsenic(As)           | BDL(0.005) | 0.01 | No Relaxation | mg/l | APHA 3114 (23rd Ed. 2017) by HVG-AAS   |
| 16 | Residual Chlorine(RC) | BDL(0.17)  | 0.2  | 1             | mg/l | IS-3025 (Part-26) by Iodometric Method |

This Report is issued under the following terms & Condition :

1. The results apply to the sample as received only.
2. The sample will be destroyed after retention time unless otherwise specified specially.
3. This report is not to be reproduce wholly or in part and can't be used as evidence in court of law.
4. Abbreviation used (TDS = Total Dissolved Solids, mg/l = milligram per liter, BDL = Below detection limit, APHA = American Public Health Association, IS = Indian Standard, NT = Not Tested, NA = Not Applicable NTU = Nephelometric Turbidity Unit, RA = Reaffirmed, ND=Not Detected, T=Total)
5. \* Value not available or test not performed for this parameter.
6. Temperature condition limit: 25±5°C and Humidity condition limit:50 ±20%

Reviewed and Approved By

Sh. Brij Bhushan  
Quality Manager  
Authorized Signatory  
For, Trade Waste and Effluents Research Unit  
(Regional Lab) Patiala

----- End of the Test Report -----

# TRADE WASTE AND EFFLUENTS RESEARCH UNIT (REGIONAL LAB)

## PATIALA

Room No. 301, 2nd Floor, Water Supply & Sanitation Department, Head Office, Nabha Road, Patiala  
researchunitpatiala@yahoo.in

To,

BUDHA DAL PUBLIC SCHOOL,  
Patiala.

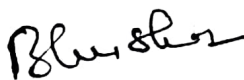
No.: TWERU/2627/00234      Dated : 06/07/2026

Subject :      Testing Reports of Water Samples.

Reference:      Your Letter/SRF No. 001      Dated: 26/06/2026

As per above cited subject and reference, Please find enclosed here with the report of 1 Water sample/s received on dated 01/07/2026. It is request to fill the attached feedback form and send it back to Trade Waste and Effluents Research Unit (Regional Lab) Patiala

D/A :      Test Report



Authorized Signatory  
For, Trade Waste and Effluents Research Unit  
(Regional Lab) Patiala

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## PATIALA

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### TEST REPORT

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|------------------------------------------------------------------------------------|-----------|-------------------------------------------|---------------------------------|--------------------------|-----------------------------|-----------------------------------------------|
| Name & Address of Customer :<br><b>BUDHA DAL PUBLIC SCHOOL,</b><br><b>Patiala.</b> |           |                                           | Customer Reference No.          |                          | No : 001 Dated : 26/06/2026 |                                               |
|                                                                                    |           |                                           | Sample Submitted by             |                          |                             |                                               |
|                                                                                    |           |                                           | Date of Sample Receipt          |                          | 01/07/2026                  |                                               |
|                                                                                    |           |                                           | Analysis Starting Date          |                          | 01/07/2026                  |                                               |
|                                                                                    |           |                                           | Analysis completion Date        |                          | 03/07/2026                  |                                               |
| Discipline : Chemical Testing                                                      |           |                                           | Group: Water                    |                          |                             |                                               |
| ULR No.:                                                                           |           |                                           | Sample Type :                   |                          | Water                       |                                               |
| Test Report No.:                                                                   |           | TWERU/2627/00234                          |                                 | Date of Issue :          |                             | 06/07/2026                                    |
| Registration no.:                                                                  |           | TWERU/REG2627/01090                       |                                 | Condition of Sample :    |                             | Unsealed                                      |
| Collection Point:                                                                  |           | Treatment Plant (RO/CWPP/ARP/HH Purifier) |                                 | Quantity/Type of Bottle: |                             | 2000 ml / Plastic Bottles                     |
| Scheme/Source:                                                                     |           | Not Mentioned(Not Mentioned)              |                                 | Location/Depth :         |                             | Ro at Budha Dal Public School, Patiala. / NA  |
| Village :                                                                          |           | Not Mentioned                             |                                 | Habitation :             |                             | Not Mentioned                                 |
| Block:                                                                             |           | Not Mentioned                             |                                 | District :               |                             | Patiala                                       |
| Latitude :                                                                         |           | Not Mentioned                             |                                 | Longitude:               |                             | Not Mentioned                                 |
| Sr. No                                                                             | Parameter | Result                                    | As per IS-10500:2012 (2nd Rev.) |                          | Unit                        | Reference Method :                            |
|                                                                                    |           |                                           | Acceptable Limit                | Permissible Limit        |                             |                                               |
| 1                                                                                  | Colour    | <2                                        | 5                               | 15                       | CU                          | IS 3025(Part 4-2021) Visual Comparison Method |
| 2                                                                                  | Odour     | agreeable                                 | Agreeable                       | Agreeable                | --                          | IS 3025 (Part 5 – 2018) (Second Revision)     |
| 3                                                                                  | Taste     | agreeable                                 | Agreeable                       | Agreeable                | --                          | IS 3025 (Part 8 – 2023)                       |

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End of the Test Report