



**SUB DIVISIONAL ENGINEER
WATER SUPPLY AND SANITATION
SUB DIVISION PATRAN**



Email-sdepatranwss@gmail.com

To,

The Principal,
AKAL ACADEMY SEONA,
Tehsil Patran Distt. Patiala.

No. 269

Date: 10-04-2026

Sub:- Regarding Water and Sanitation Certificate.

Reference to the above cited subject that in your school the number of urinals & latrines for males and females are adequate, neat and clean. The source of water supply is through submersible pump. As per water sample test report received from Trade Waste and Effluents Research Unit (Regional Lab), Patiala vide letter No. TWERU/2526/01028 dt. 17.03.2026 drinking water provided in your school is totally safe and general sanitation is satisfactory. This is for your information and necessary action.

DA:- Water Sample Test Report.

**Sub Divisional Engineer,
W/S & Sanitation Sub
Division,
Patran.**



**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,

Akal Academy Seona Kath,
Village- Nawan Pinb, P.O. Kulbano, Tehsil- Patran, Patiala.

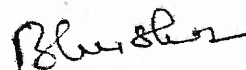
No.: TWERU/2526/01028 Dated : 17/03/2026

Subject : Testing Reports of Water Samples.

Reference: Your Letter/SRF No. 528 Dated: 12/03/2026

As per above cited subject and reference, Please find enclosed here with the report of 1 Water sample/s received on dated 13/03/2026. 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**

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



TC-14242

TEST REPORT

Name & Address of Customer : Akal Academy Seona Kath, Village- Nawan Pinb, P.O. Kulbano, Tehsil- Patran, Patiala.			Customer Reference No.		No : 528 Dated : 12/03/2026	
			Sample Submitted by			
			Date of Sample Receipt		13/03/2026	
			Analysis Starting Date		13/03/2026	
			Analysis completion Date		17/03/2026	
Discipline : Chemical Testing			Group: Water			
ULR No.:	TC14242260000083F		Sample Type :		Water	
Test Report No.:	TWERU/2526/01028		Date of Issue :		17/03/2026	
Registration no.:	TWERU/REG2526/07370		Condition of Sample :		Unsealed	
Collection Point:	Private Submersible		Quantity/Type of Bottle:		2000 ml / Plastic Bottles	
Scheme/Source:	Not Mentioned(Not Mentioned)		Location/Depth :		Submersible at Akal Academy Seona kath, Depth-300ft, Village- Nawan Pinb, P.O. Kulbano, Tehsil- Patran, 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	7.89	6.5-8.5	No Relaxation	—	IS 3025 (Part 11-2022) Electrometric Method
2	TDS	580	500	2000	mg/l	IS 3025 (Part 16-2023) Gravimetric Method
3	Turbidity	4.45	1	5	NTU	IS 3025 (Part 10-2023) Nephelometric Method
4	T. Alkalinity(CaCO3)	424	200	600	mg/l	IS 3025 (Part 23-2023) Indicator Method
5	T. Hardness(CaCO3)	380	200	600	mg/l	IS 3025 (Part 21-2009)(RA 2023) EDTA Method
6	Calcium(Ca)	67	75	200	mg/l	IS 3025 (Part 40-2024) EDTA Titrimetric Method
7	Magnesium(Mg)	51.5	30	100	mg/l	APHA (24th Ed.2023) Method: 3500-Mg+2 B By Calculation Method
8	Fluoride(F)	0.57	1.0	1.5	mg/l	APHA 24th Ed.2023, Method 4110
9	Chloride(Cl)	55	250	1000	mg/l	APHA 24th Ed.2023, Method 4110
10	Nitrate(NO3)	8	45	No Relaxation	mg/l	APHA 24th Ed.2023, Method 4110
11	Sulphate(SO4)	41	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

Bhushan

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



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14	Zinc	BDL(0.2)	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

Bhushan

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

End of the Test Report

