

Himachal Pradesh
Jal Shakti Vibhag

No. EE/JSDD/LAB/WTB :- 15602

Date:-- 15/1/26

To.

Highland Public School,
Village-Ruhru, Sudher, Dharamshala-176217,
Himachal Pradesh, India.

Subject :- Examination of Water sample.

Reference :- Your Letter No. HPS/IPH/WS-070126 Dated-07/01/2026.

The water sample sent vide your letter under reference for Physical, Chemical and Bacteriological examination, has been examined in Public Health Laboratory Dharamshala. Results, thereof, are sent herewith for your Information.

DA/One Report.

Neelprakash
Principal
Highland Public School
Vill. Ruhru, P.O. Sudher
Dharamshala (H.P.) - 176215

[Signature]
Executive Engineer,
Jal Shakti Division,
Dharamshala.

Test Report No.
B/PC-391/B-794.

HIMACHAL PRADESH JAL SHAKTI VIBHAG
PUBLIC HEALTH LABORATORY DHARAMSHALA
Test Report



REPORT ON PHYSICAL & CHEMICAL EXAMINATION OF WATER SAMPLE.

Sender: Highland Public School, Village-Ruhru, Sudher, Dharamshala-176217, Himachal Pradesh, India.

(Water sample collected & forwarded by sender.)

Name of water supply scheme :
 Source : Borewell at the end of Highland Public School's Ground at Ruhru.
 Where collected : From Source.
 Date and time of collection : 08-01-2026 at 10:30 A.M.
 Date and time of arrival at Laboratory : 08-01-2026 at 11:40 A.M.
 Date and time of commencing examination : ---do---
 Date of completion of analysis : 13-01-2026
 Location of performance : Chemical Lab

PHYSICAL EXAMINATION

Sr. No.	Parameter	Standard method followed for testing	Units	Results	Requirement as per IS 10500-2012	
					Desirable Limit	Permissible Limit in absence of alternate source
1	Colour	IS 3025 (Part 4): 2021, Platinum Cobalt (visual comparison Method)	Hazen Scale	5	5	15
2	Taste	IS 3025 (Part 7): 2017 RA 2022 Threshold Method	Qualitative	Agreeable	Agreeable	Agreeable
3	Odour	IS 3025 (Part 5): 2018, RA 2022 Qualitative Method	Qualitative	Agreeable	Agreeable	Agreeable
4	Turbidity	IS 3025 (Part 10): 2023, Nephelometric Method	NTU	0.25	1	5
5	pH at 25°C	IS 3025 (Part 11): 2022 (ISO 10523:2008), Electrometric Method		6.8	6.5	8.5

CHEMICAL EXAMINATION

Sr. No.	Parameter	Standard method followed for testing	Units	Results	Requirement as per IS 10500-2012	
					Desirable Limit	Permissible Limit in absence of alternate source
6	Total Alkalinity expressed as CaCO ₃	IS 3025 (Part 23): 2023, Indicator Method (Total Alkalinity)	mg/l	124	200	600
7	Total Hardness expressed as CaCO ₃	IS 3025 (Part 21): 2009 RA 2019, EDTA Titration Method	mg/l	176	200	600
8	Chloride as Cl	IS 3025 (Part 32): 1988 RA 2019, Argentometric Method	mg/l	9	250	1000
9	Calcium as Ca	IS 3025 (Part 40): 2024, EDTA Titration Method	mg/l	50.4	75	200
10	Magnesium as Mg	IS 3025 (Part 46): 2023, Volumetric Method using EDTA	mg/l	12.1	30	100
11	Total Dissolved Solids at 180°± 2	IS 3025 (Part 16): 2023, Gravimetric Method	mg/l	160	500	2000

- Note: 1. The report shall not be produced partly or fully without approval of signatory authority for legal purpose.
 2. The result refer only to tested samples and parameters tested.
 3. Sample will be stored for period of 5 days from the date of issue of report.

Date of Issue Report 13-01-2025

Neelprakash
Principal
 Highland Public School
 Vill. Ruhru, P.O. Sudher
 Dharamshala (H.P.) - 176215



Authorized Signatory

Vishal Singh
 Technical Manager

REPORT ON PHYSICAL CHEMICAL & BACTERIOLOGICAL EXAMINATION OF WATER SAMPLE.
(Not Under NABL Scope)

Sender: Highland Public School, Village-Ruhru, Sudher, Dharamshala-176217, Himachal Pradesh, India.
(Water sample collected & forwarded by sender.)

Test Report No.

B/PC-391/B-794.

PHYSICAL EXAMINATION

Sr. No.	Parameter	Standard method followed for testing	Units	Results	Requirement as per IS 10500-2012	
					Desirable Limit	Permissible Limit in absence of alternate source
1	Conductivity	Conductivity Meter	$\mu\text{S/cm}$	325	500	2000
2	Temperature (at Lab)	---	$^{\circ}\text{C}$	--	--	--

CHEMICAL EXAMINATION

Sr. No.	Parameter	Standard method followed for testing	Units	Results	Requirement as per IS 10500-2012	
					Desirable Limit	Permissible Limit in absence of alternate source
3	Free carbon dioxide as CO_2	Titration Method	mg/l	100	--	--
4	Carbonate Hardness as CaCO_3	Calculation Method	mg/l	124	--	--
5	Non-Carbonate Hardness as CaCO_3	Calculation Method	mg/l	52	--	--
6	Free & Saline Ammonia as N	Nesslerisation Method	mg/l	0.1	0.5	No relaxation
7	Nitrite as N	Diazotization Method	mg/l	Nil	75	200
8	Nitrate as N	Phenol disulphonic Method	mg/l	0.8	10	No relaxation
9	Fluoride as F	Alizarin red S Method	mg/l	0.4	1.0	1.5
10	Iron as Fe	Phenanthraline Method	mg/l	Nil	1.0	No relaxation
11	Total Residual chlorine as Cl_2	Calorimetric(DPD) Method/Iodometric Method	mg/l	--	0.2	1.0
12	Arsenic as As	Arsenic Kit Method	mg/l	N.D.	0.01	No relaxation
13	Manganese as Mn	Manganese Kit Method	mg/l	Nil	0.1	0.3
14	Sulphate as SO_4	Barium Chloride/ Turbidity Metric Method	mg/l	--	200	400

BACTERIOLOGICAL EXAMINATION

Sr. No.	Parameter	Standard method followed for testing	Units	Results	Requirement as per IS 10500-2012	
					Desirable Limit	Permissible Limit in absence of alternate source
15	MPN of coliforms	MPN Method (At 37°C for 48 hours in MacConkey broth)	MPN/ 100ml	Nil/ 100ml	Nil/ 100ml	No relaxation
16	MPN of E.coli or Thermo Tolerant coliforms	MPN Method (At 44°C for 24 hours in BGBL broth/ Tryptone Water).	MPN/ 100ml	Nil/ 100ml	Nil/ 100ml	No relaxation

(Coliform count should be zero in any sample of 100ml from water entering the distribution system)

Date of Issue Report

13-01-2025

Neelprasad
Principal
Highland Public School
Vill. Ruhru, P.O. Sudher
Dharamshala (H.P.) - 176215



Authorized Signatory

Vishal Singh
Technical Manager

Annexure C

Appendix-XIII

PROFORMA FOR SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

No.

Dated: 11/4/2023

It is certified that an inspection team headed by JE Sakob Sarda Chetna

(Name of Officers with designation) from Aje Thad, J.C.

(Name of Department/ Office) inspected the JSV Sub Division Dharamshala

Highland Public School, Sudher Dharamshala on dated 11/4/2023, checked the water test report

submitted by the school and found that the school has potable drinking water for students and staff of the

institution and is having provision for running water in the toilets and maintaining hygienic sanitation

condition in the school building & the campus as per norms prescribed by the Central/ State/ U.T. Govt.

The above is valid for a period of 1 year



Signature with Seal: Assistant Engineer
Jai Shakti Sub-Division

Name : Aje Kumar Rana
Dharamshala

Designation :

Assistant Engineer of
the Govt. Public Health Department (PHED)/
Authorised officer of the Local Body

Name & Address of the Office / Department :

To

Highland Public School
Ruhru, P.O. Sudher, Tehsil Dharamshala
Distt. Kangra, H.P. 176217

* The filled up certificate should be either in Hindi or English. If it is issued in vernacular language, translated notarized version in English be uploaded along with the original vernacular certificate as a single pdf.


Principal

Highland Public School
Vill. Ruhru, P.O. Sudher
Dharamshala (H.P.) - 176215