

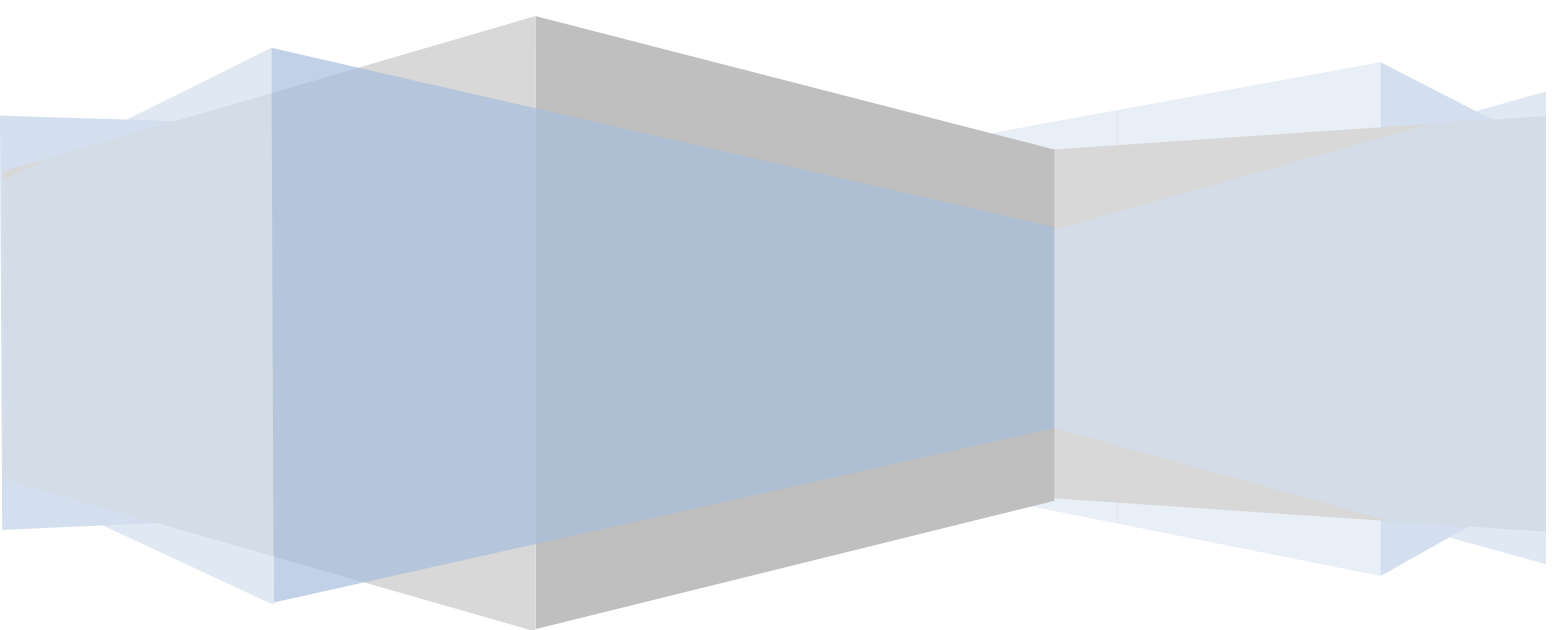


Criterion 7

7.1.3

Quality Audits on Environment and Energy regularly undertaken by the institution

GC KULLU



(2) Action taken reports and achievement report as Clean and Green Campus Initiatives

S. No.	FACILITY	ACTION TAKEN	ACTION TO BE TAKEN	SUPPORTING EVIDENCES
1.	a) Rain water harvesting b) Bore well	a) Rain water harvesting structure b) Bore well constructed	(a) Connection to be Built Between Rainwater Harvesting and Bore well for the recovery of the water level	Document attached
2.	Alternate source of Energy (Solar Power)	Solar panel installed (44 KWP) Description provided in Energy audit	Solar power panels will be installed in the Tribal girls hostel for which duly permission has been taken	Document attached
3.	Chemical waste handling	Soak Pit was constructed but needs upgradation	Soak pit will be renewed, restored and upgrade in future	Document attached
4.	Plastic Waste	(a) Emptying of plastic mesh dustbins is carried out on a regular basis by Municipal Council (b) Eco bricks	MOU between plastic waste recycler and institution will be carried out	Document attached
5.	ECO and Herbal garden	Maintenance of ECO and Herbal garden on a regular basis	New herbal, ornamental, medicinal, and aromatic plants will be introduced in the Eco and Herbal Garden	Document attached
6.	Vermicompost structure	Vermi compost pit is regularly maintained and the compost being used for the maintenance of pot plants and garden area of the campus	Value addition to the Vermi compost will be carried out in future	Document attached
7.	Ventilation and Natural day light	(a) Fully ventilated and well lit rooms (b) LED bulbs are installed throughout the campus	To phase out the gas discharge filament bulbs with LED bulbs	Document attached
8.	Energy conservation practices	(a) Energy conservation practices are adhered by the staff and students in the campus	Awareness campaigns and activities and program	Document attached

9.	Drinking Water facility	(a) Water purifier are installed in the campus (b) Water quality is assessed on a regular basis *(maintenance for plumbing work , committee is formed time to time)	Water leakage issues in the campus buildings will be addressed to overcome the water wastage	Document attached
10.	Noise free and Eco friendly Campus	Campus is approximately 100 m away from the national highway and located in natural ecofriendly ambience on the right bank of the river Beas, thus noise level in the campus is at the standard level 50 Db	More Green cover to be promoted in the campus	Link Provided

1. Rain Water Harvesting And Bore Well (Mini Tube Well)

1

LOG SHEET OF MINI TUBE WELL

(Tube Well No.1 at Kullu Near College's Gate)

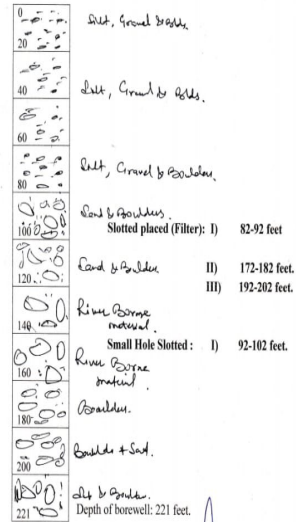
1. Co-ordinates: Latitude : N 31° 57' 12.1"
Longitude : EO 77° 06' 40.7"
Elevation : feet (On GPS)
2. Name of Site & Location : Near Govt. P.G.College's Gate, Kullu.
3. Name of Firm : Ms Sidharth Bore Well, Vill.& PO Ratti, Tehsil Bah, Distt.Mandi.
4. Name of Scheme : Restoration of rain damages to WSS Kullu town in Tehsi & Distt.Kullu.
5. Division: JSV Kullu. Sub Division: JSV Sidiv Kullu.
6. Constituency: Kullu. Block: Kullu G.P. Municipal Council Kullu
7. Work Order Number: JSV-IDR-CB-TA-Kullu-Award/2023-2024-7635-39.
Dated 19/2023, Agreement No. 162 for 2023-24.
8. Mode of drilling: ODEX
9. Date of drilling 1) Start: 26 September, 2023.
2) Completion: 30 September, 2023.
10. Bore Well Size : 1) 200 mm dia. ODEX 0'-221'
2) 165 mm dia. DTH Nil
Total Depth : 221'.
11. Details of Strata : Litho log annexed.
12. Depth of Water table 1) 60' Moist. II) 80' III) 110' IV) 140' V) 170'
13. Static Water Level: 55' (Immediate), 55' (After 30 minutes).
..... (At the time of S/Pump installation).
14. Detail of Development : 1 Hour.
15. Discharge of Bore Well : 11 cms = 5.53 LPS (approx).
(On 90° V-Notch Measurement)
16. Establish Discharge:.....
18. Length of 175 mm dia MSERW Casing Pipe: 192 feet.
19. Length of 175 mm dia Slotted Pipe : 30 feet.
Total Casing : 222 feet.
20. Casing Shoe : 1 No.
21. Soil sample : 1 Job
22. Length of GI Riser Pipe: 32 /50 /65 /75/... mm (Pump to Ground level).....
23. Discharge of Submersible pump:
24. Submersible pump setting :
25. Remarks: The final measurement of the bore well was taken by the concerning J.E. The submersible pump should be placed either at the depth of 150' and 170' feet (b.g.l). The 75% discharge of 5.53 Lps can be used as a safe drawl. The Pumping test can measure the accuracy of Established discharge and drawdown.

Ex-Engineer AE STA (H.g) JE Contractor

LITHO-LOG


Tube Well No.1 at Kullu Near College Gate)

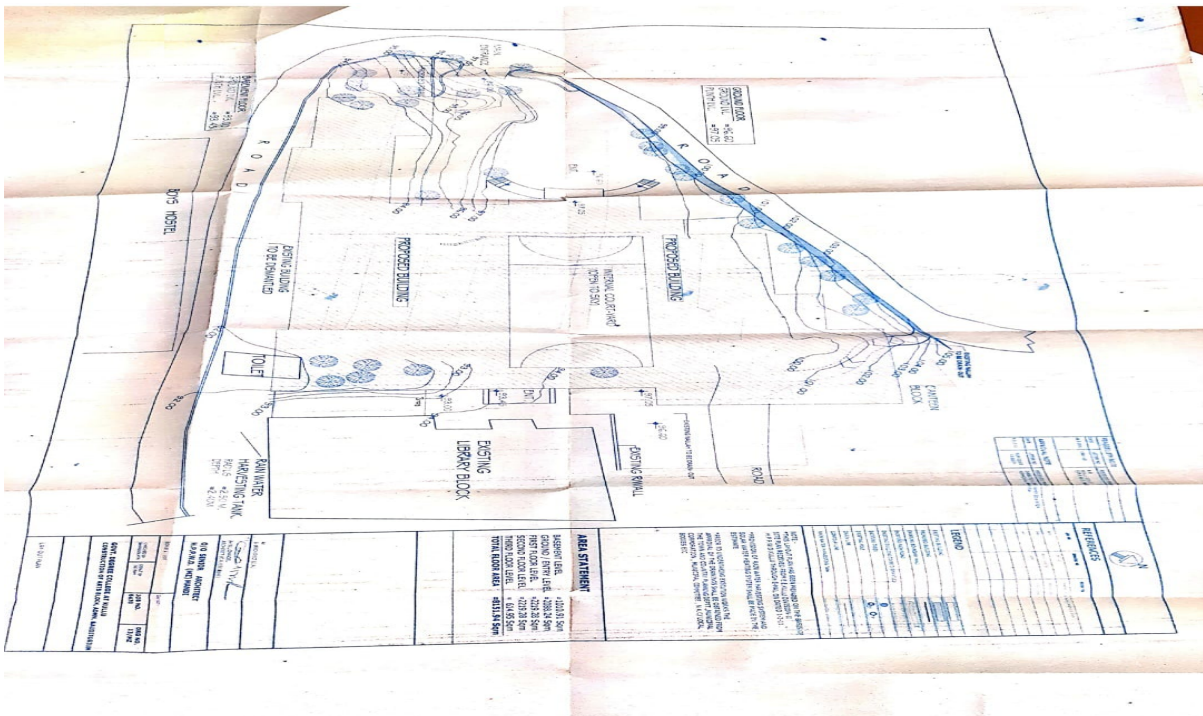
1. Co-ordinates: Latitude : N 31° 57' 12.1"
Longitude : EO 77° 06' 40.7"
Elevation : feet (On GPS)
2. Name of Site & Location : Near Govt. P.G.College Gate's, Kullu .




Not to Scale

Depth of borewell: 221 feet.


 Gopal Sharma,
 STA/Hydrogeologist,GWO,
 JSV Circle, Kullu.



2. Solar Panel Roof Top Installation in college buildings and proposed solar panel Installation in Tribal Girls Hostel



 (H.P. Govt. Energy Dev. Agency)

 Kullu Distt. Kullu (HP) 175101

 Mail-himurjakullu@gmail.com Ph. - 01902 222968 Fax- 01902 222968

No. Himurja/KHS- Power Plant- 1093 - Dated: - 24/1/19

To
 The Principal,
 Govt. Degree College Kullu

Subject: - Regarding deposit of beneficiary shares of Grid connected Roof Top Solar Power Plants under Govt. Sector Plan.

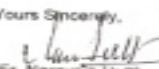
Sir,
 In connection with subject cited matter it is being intimated that you have submitted 05 No cases of Grid connected Roof Top Solar Power Plants to install the systems in different buildings at College complex Kullu.

In this context you are requested to deposit the amount in this office against each capacity of the systems as per detailed below.

Sr. No	Capacity	Site	Full cost	Subsidy	Beneficiary share with Departmental charges @ 5%
1.	05 KW	Library Building	2,65,750/-	1,59,450/-	1,19,550/-
2.	05 KW	Boys Hostel	2,65,750/-	1,59,450/-	1,19,550/-
3.	05 KW	Science Block	3,18,900/-	1,91,340/-	1,43,500/-
4.	28 KW	Arts Block	13,91,900/-	8,34,960/-	6,26,220/-
5.	64 KW	Girls Hostel	30,08,000/-	18,04,800/-	13,55,800/-

Note: - The calibration charges and cost of Bi-Directional meter will be extra and borne by the department.

Therefore you are requested to deposit the amount in this office in the shape of bank draft in favour of Director Himurja Shivla -9 please.

Yours Sincerely,

 (Er. Narayam Jind)
 Sr. Project Officer
 Himurja Kullu.

PAN = ACDPD5897R
 TAN = PTLPI3081F
 A/c = 0785104000/14949
 I DBI Kullu
 I BK L 0580785
 Sr. Project office
 Himurja Kullu

SP - 2018-19 (65)

No.EDN-GCX-ELU/2022 13.9.2

Office of the Principal, Govt. College Kullu

Dated 07/07/2022

To

The Addl. Director of Higher Education
Himachal Pradesh Shiksha

Sub: Regarding installation of Solar Power Panel Systems in Govt. Colleges.

Or

With reference your office letter NO. EDN-HER/A(3)/Misc-Solar Panel Dated 18/06/2022 on the subject cited above .

It is submitted for your kind information that Solar Power Panel is already installed in this college and if budget for installing the solar power is provided can be installed in Tri-Bal Girls Hostel G.C. Kullu .

Thanking you


Principal
Govt. College Kullu



3

Chemical waste Management



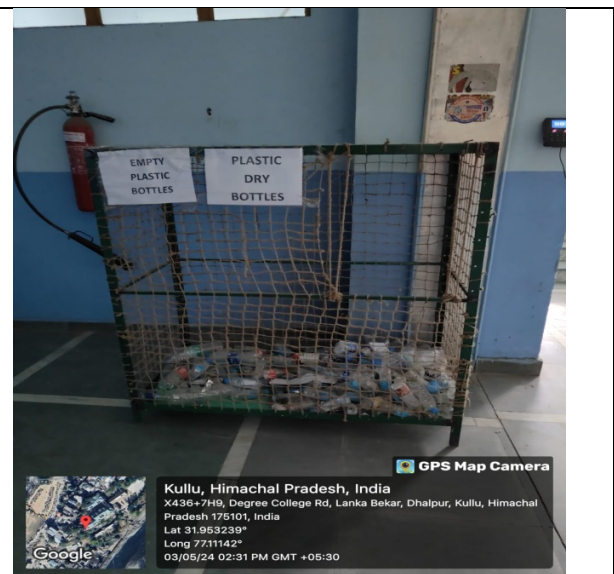
Waste Disposal Policy Link

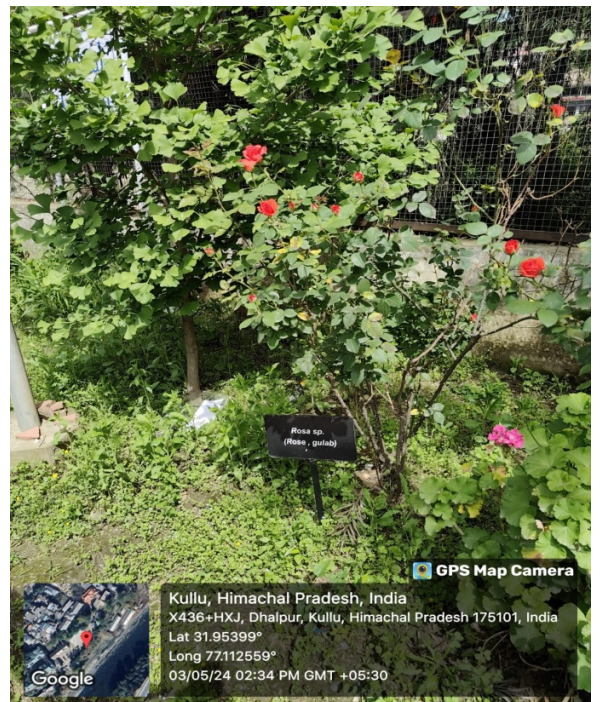
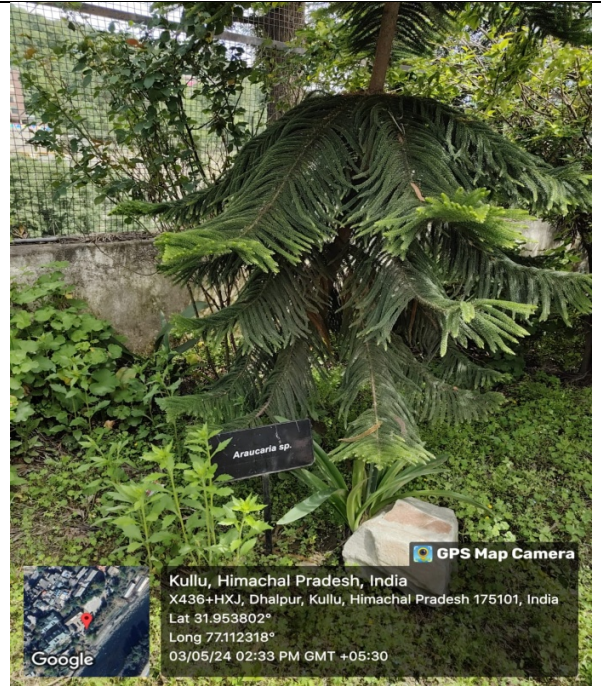
<https://www.gckullu.ac.in/images/files/1797264975Waste-Disposal-Policy.pdf>

4

Plastic Dustbins are placed and Eco bricks are used

<https://www.gckullu.ac.in/images/files/1797264975Waste-Disposal-Policy.pdf>





6

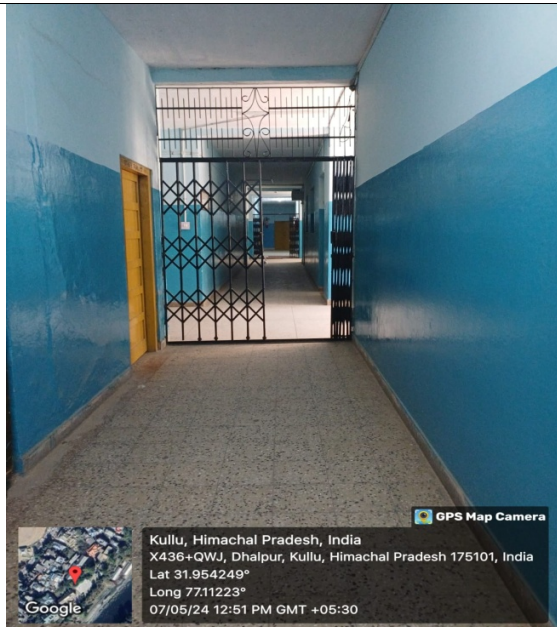
Vermicompost structure


Composting Pit in College



7

Ventilation and Natural Day Light



<p>To</p> <p>The Principal Govt. College Kullu H.P.</p> <p>Subject: Permission regarding Energy Club Activity.</p> <p>Respected sir,</p> <p>It is stated that Energy Club and Department of Physics is going to conduct a lecture on "ENERGY CONSERVATION" on dated 06th March, 2023. The Key note speaker is Mr. Anurag Prashar, Additional Director of HPSEBL. So, kindly accord the permission to conduct this activity.</p> <p>We shall be highly thankful to you for this.</p> <p>Yours sincerely,</p> <p><i>Convenor</i> (Prof. Jai Prakash Sharma) Energy Club Govt. College Kullu H.P.</p> <p>Dated: 03.03.2023</p> <p><i>allowed</i></p> <p><i>Principal</i> Govt. College Kullu H.P.</p>	<p>"Energy Conservation Activity" DATE 06/03/2023.</p> <p>ENERGY CLUB</p> <p>On 6th March 2023, Energy club, in association with Physics Department conducted a Lecture cum Activity for the conservation of energy. Mr. Anurag Prashar, Additional director of HPSEBL (Himachal Pradesh State Electricity Board Limited) was the invited for sensitizing students for the energy saving measures and devices. Mr. Anurag Prashar interacted with the students and teach them the benefits of energy saving devices. He emphasises:</p> <ol style="list-style-type: none"> 1. Use LED light bulbs & tubes. 2. Don't use/waste electricity during sunlight. 3. How to make maximum use of solar energy devices. 4. How to improve your home energy devices. 5. What are energy efficient devices. 6. What are energy efficient homes/windows. 7. Switch off your computer, equipments, printers, wi-fi, routers on the nights, Bleed your radiators etc. 
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TAX INVOICE
AMBE SALES
 Authorised Sale & Service Franchisee : Kent RO System Ltd.
 VIII, Badah P.O. Mohal, Distt. Kullu (H.P.)
 CUCKOO
 Dated 1-1-2024

Principal
 Govt Degree College Kullu

Particulars	HSN Code	Qty.	Rate	Amount (in rupees)	
				Rs.	P.
Aqua Guard Prime 50 ltral RO RO Unit	842121	2	34322.7	68645.4	
Aqua Guard NEO UV+NE Water Purifier	842121	3	10593.22	31779.66	
Total Taxable Amount				100425.06	
GST				9038.18	
Total				109463.24	

Bank Details :
 Union Bank of India, Kullu
 Account No. 1372101010033123
 IFS Code : UBIN0537212

Signatures:
 A. Harsh
 A. Harsh

It is certified that items mentioned in the bill no 2124 Dated 01/01/2024 Ambe Sales with the amount of Rs. 1,09,463.24, have actually purchased by the committee of G.C Kullu for water supply, and the amount of Rs. 1,09,463.24 is verified and passed by the committee members.

Committee Members:
 1. Dr. Jai Singh - Member
 2. Dr. Jai Singh - Member
 3. Sh. Rajender Singh
 4. Sh. Jai Singh - Member

Head of Committee/Owner:
 A. Harsh

1. Two commercial Aqua Guards, one installed at outside boys block, and another outside Science Block.
 2. Domestic Aqua Guard, one at staff room and one outside music department, and one in the Physics department.

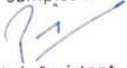
**HIMACHAL PRADESH
JAL SHAKTI VIBHAG
DISTRICT WATER TESTING LABORATORY SHAMSHI, KULLU 175126
TEST REPORT ON PHYSICAL /CHEMICAL and BACTERIOLOGICAL EXAMINATION**



Sample No. DLK-177	Date: - 06-05-2024
Test Report No.: DLK-177	Condition of sample when received: GOOD
Name and address of customer: Principal Government Degree College Kullu	Name of scheme: WSS Kullu Town
Sampling Method: N/A	Name of Nagar Panchayat: Kullu
Sample Description: Drinking Water	Sample Taken Point: Tap Water (College)
Sample Quantity: 500ML	
Collected on: 03-05-2024	
Test start Date: 03-05-2024	
Test End Date: 05-05-2024	

Sr.No	TEST PARAMETER	UNITS	RESULTS	Acceptable limit	Permissible limit in absence of alternate source
1.	Temperature	°C	19.6	NA	NA
2.	Colour	Hazen	0	5	15
3	Odour	-	Agreeable	Agreeable	Agreeable
4.	Taste	-	Agreeable	Agreeable	Agreeable
5.	pH	-	6.83	6.5	8.5
6.	Turbidity	NTU	0.6	1	5
7.	TDS	Mg/l	114.5	500	2000
8.	Total Alkalinity (as CaCO ₃)	Mg/l	65	200	600
9.	Total Hardness (as CaCO ₃)	Mg/l	73.44	200	600
10.	Chloride	Mg/l	7.82	250	1000
11.	Calcium (as Ca)	Mg/l	20.84	75	200
12.	Magnesium (as Mg)	Mg/l	5.2	30	100
13	Iron (as Fe)	Mg/l	0.02	1.0	No Relaxation
14.	Fluoride (as F)	Mg/l	0.48	1.0	1.5
15.	Sulphate (as SO ₄)	Mg/l	6	200	400
16.	Nitrate (as NO ₃)	Mg/l	0.8	45	No Relaxation
17.	Ammonia (as Total ammonia- N)	Mg/l	0.18	0.5	No Relaxation
18.	Total Arsenic	Mg/l	0.01	0.05
19.	Free Residual Chlorine	Mg/l	0.0	0.2	1
20.	Total Coliform	MPN/100ml	NIL	NIL	NIL
21.	E-Coli/ Thermotolerant Coliform	MPN/100ml	Absent	Absent	Absent

Note: -

- *This report should not be produced partly or full without approval of signatory authority for legal purpose.
- *The result refers only to tested samples and parameters tested.
- *Samples will be stored for a period of 7 days from the date of issue of report.


Lab Assistant
Water Testing Laboratory Shamshi


Authorized Signatory
Water Testing Lab Shamshi


HIMACHAL PRADESH
JAL SHAKTI VIBHAG

DISTRICT WATER TESTING LABORATORY SHAMSHI, KULLU 175126
TEST REPORT ON PHYSICAL /CHEMICAL and BACTERIOLOGICAL EXAMINATION

Sample No. DLK- 178	Date: - 06-05-2024
Test Report No.: DLK-178	Condition of sample when received: GOOD
Name and address of customer: Principal Government Degree College Kullu	Name of scheme: WSS Kullu Town
Sampling Method: N/A	Name of Nagar Panchayat: Kullu
Sample Description: Drinking Water	Sample Taken Point: Aqua Guard (College)
Sample Quantity: 500ML	
Collected on: 03-05-2024	
Test start Date: 03-05-2024	
Test End Date: 06-05-2024	


Sr.No	TEST PARAMETER	UNITS	RESULTS	Acceptable limit	Permissible limit in absence of alternate source
1.	Temprature	°C	19.8	NA	NA
2.	Colour	Hazen	0	5	15
3	Odour	-	Agreeable	Agreeable	Agreeable
4	Taste	-	Agreeable	Agreeable	Agreeable
5.	pH	-	6.70	6.5	8.5
6.	Turbidity	NTU	0.3	1	5
7.	TDS	Mg/l	127.1	500	2000
8.	Total Alkalinity (as CaCO ₃)	Mg/l	65	200	600
9.	Total Hardness (as CaCO ₃)	Mg/l	89.76	200	600
10.	Chloride	Mg/l	6.84	250	1000
11.	Calcium (as Ca)	Mg/l	19.23	75	200
12.	Magnesium (as Mg)	Mg/l	10.14	30	100
13	Iron (as Fe)	Mg/l	0.02	1.0	No Relaxation
14.	Fluoride (as F)	Mg/l	0.41	1.0	1.5
15.	Sulphate (as SO ₄)	Mg/l	6	200	400
16.	Nitrate (as NO ₃)	Mg/l	1.6	45	No Relaxation
17.	Ammonia (as Total ammonia- N)	Mg/l	0.11	0.5	No Relaxation
18.	Total Arsenic	Mg/l	-----	0.01	0.05
19.	Free Residual Chlorine	Mg/l	0.0	0.2	1
20.	Total Coliform	MPN/100ml	NIL	NIL	NIL
21.	E-Coli/ Thermotolerant Coliform	MPN/100ml	Absent	Absent	Absent

Note: -

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Lab Assistant
Water Testing Laboratory Shamshi

Authorized Signatory
Water Testing Lab
Shamshi



<https://www.gckullu.ac.in/images/activities/eco-club/List-of-Flaura.pdf>

<https://www.gckullu.ac.in/images/activities/eco-club/List-of-birds-and-animals.pdf>

<https://www.gckullu.ac.in/images/files/-1268697541Environment-Policy.pdf>

