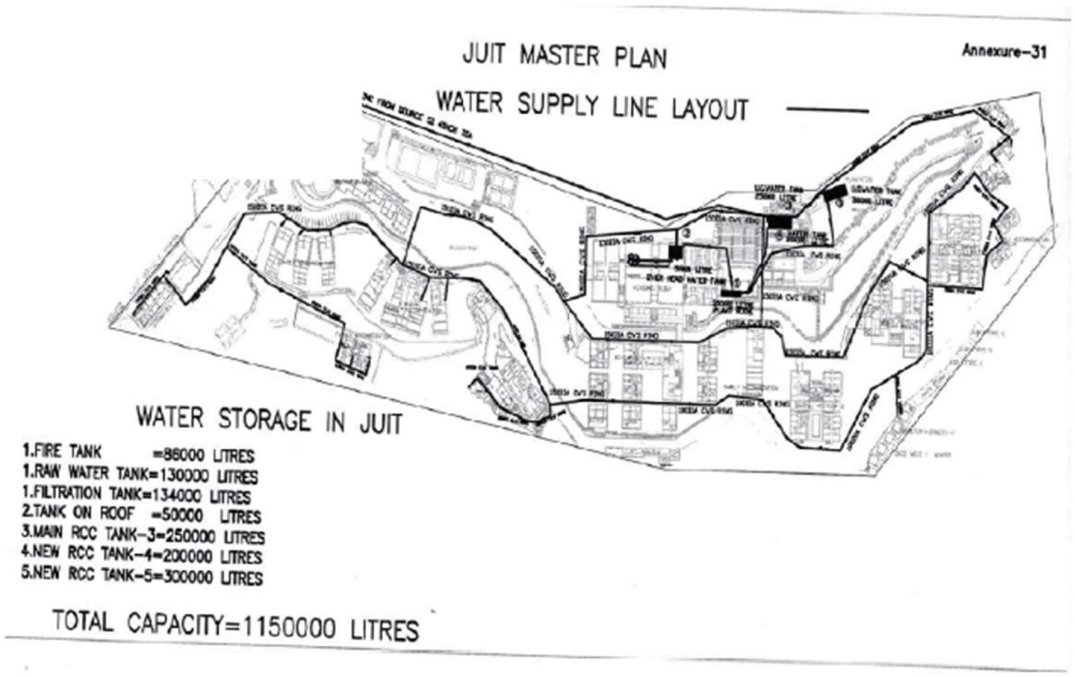
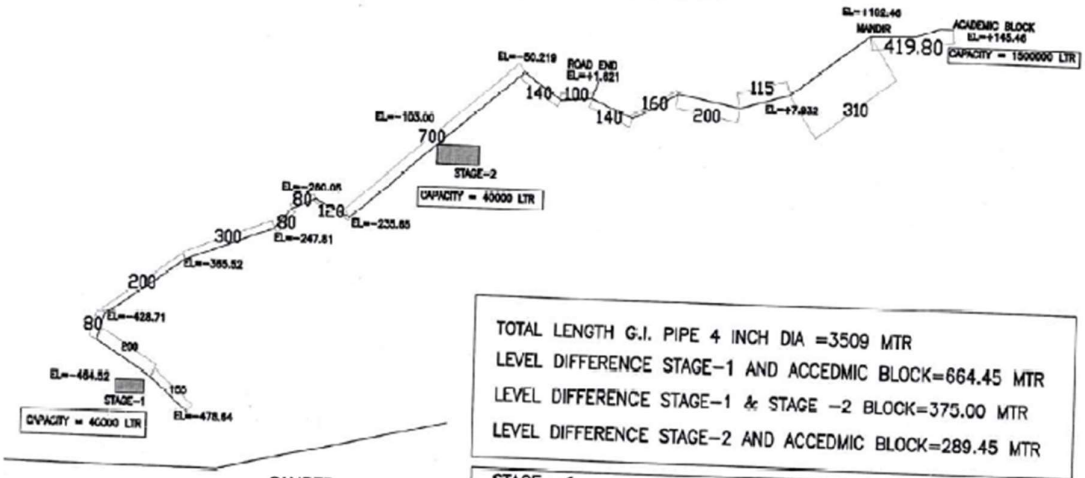
Evidence against indicators 6.4.1 and 6.4.2

6.4	Water reuse				
6.4.1	Water reuse policy Have a policy to maximise water reuse across the university?	The University since its inception has strict water reuse poilicies. This leads to the maximum utilization of the water treatment plant and proper waste water reuse.	Yes	Link SDG	Yes
6.4.2	Water reuse measurement Measure the reuse of water across the university?	This is a regular data maintained by the water treatment plants	Yes	STP & Rainwater harvesting pictures	Yes

Layout Plan (1) : Master Plan: Water distribution system in the campus



WATER SUPPLY LINE LAYOUT PLAN FROM STAGE–1 TO JUIT



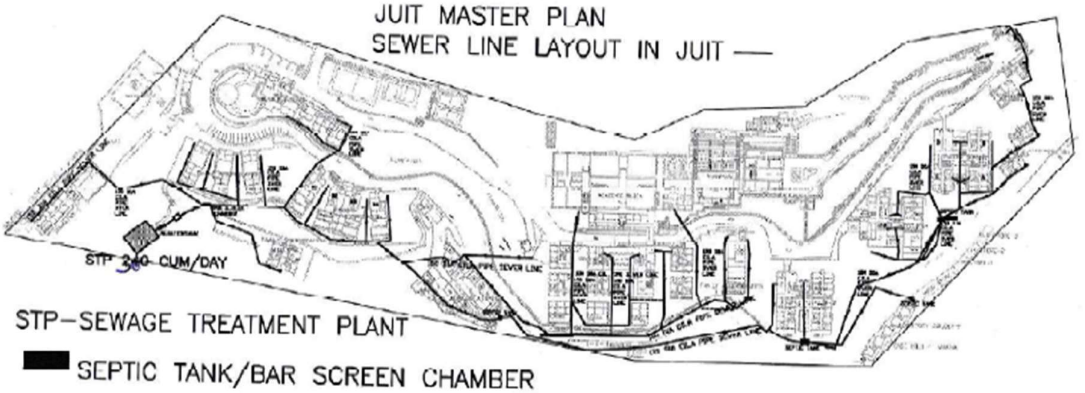
TOTAL LENGTH G.I. PIPE 4 INCH DIA =3509 MTR
LEVEL DIFFERENCE STAGE–1 AND ACCEDMIC BLOCK=664.45 MTR
LEVEL DIFFERENCE STAGE–1 & STAGE –2 BLOCK=375.00 MTR
LEVEL DIFFERENCE STAGE–2 AND ACCEDMIC BLOCK=289.45 MTR

STAGE –1
PRIMARY PUMP =5 H.P–2NOS LVL=–478.64 MTR
SECONDARY PUMP = 120 H.P – 2 NOS LVL = –464.52 MTR
D.G.=250 KVA ,TRANSFORMER = 250 KVA

STAGE –2
BOOSTER PUMP =100 H.P–2NOS LVL=–103.00
D.G.=250 KVA ,TRANSFORMER = 250 KVA

Annexure–18

JUIT MASTER PLAN
SEWER LINE LAYOUT IN JUIT ——



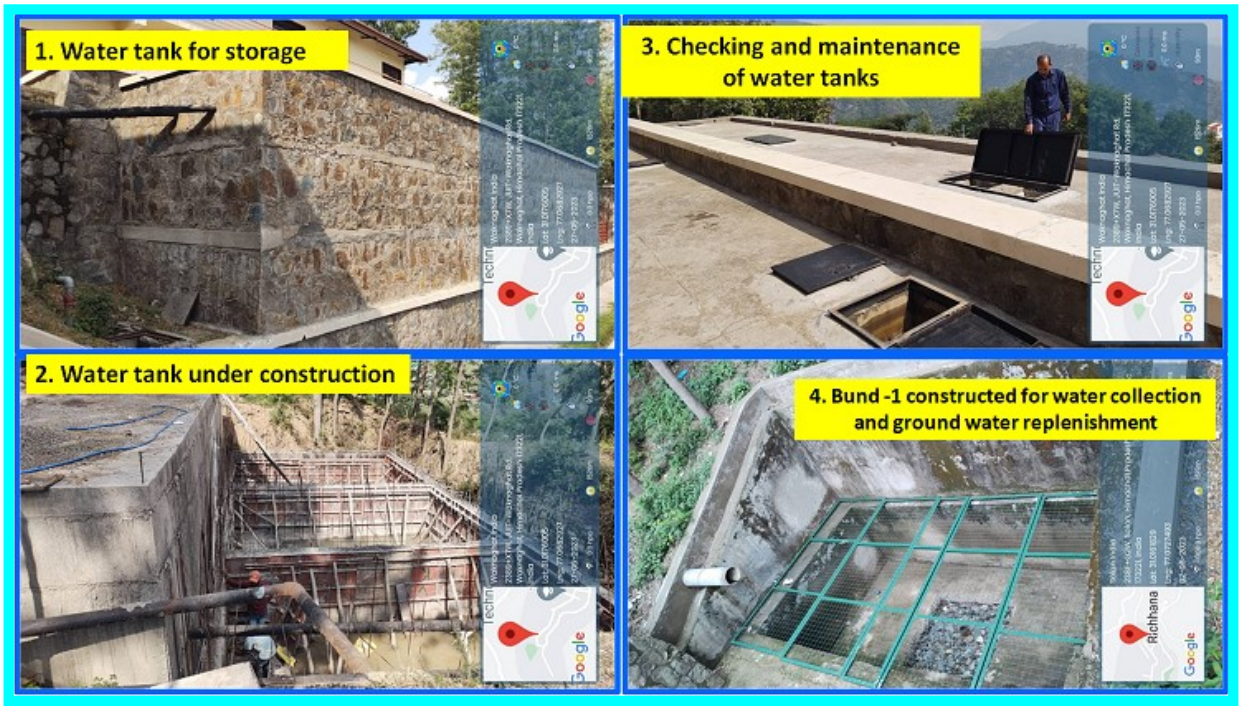
STP–SEWAGE TREATMENT PLANT

SEPTIC TANK/BAR SCREEN CHAMBER

1. Rain water harvesting

2. Borewell /Open well recharge

3. Construction of tanks and bunds (1)



3. Construction of tanks and bunds (2)

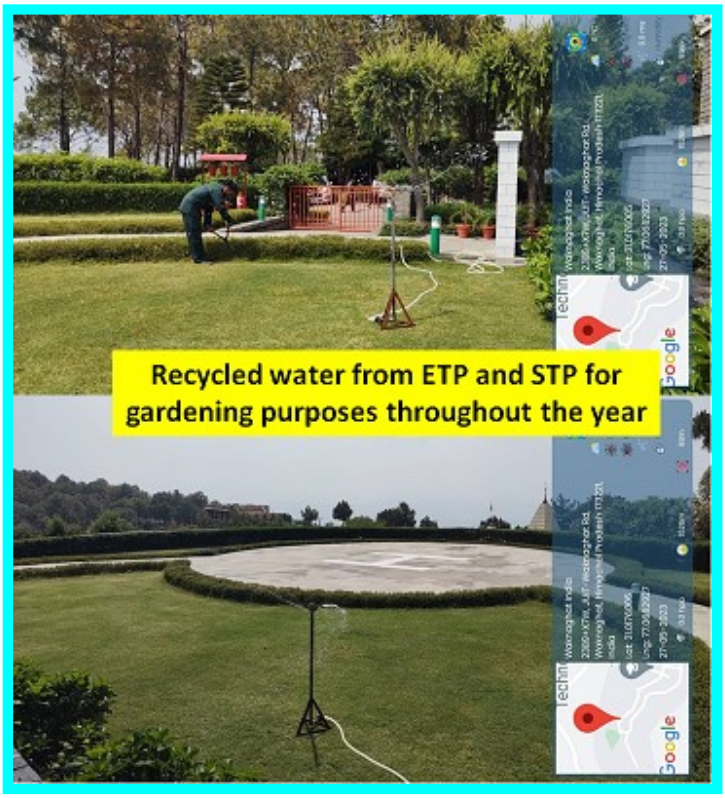
4. Waste water recycling (1)

Effluent Treatment Plant for filtration of water from laundry

4. Waste water recycling (2)

Sewerage Treatment Plant for filtration of water from ETP facility, sewerages and mess

4. Waste water recycling (3)



4. Waste water recycling (4)

5. Maintenance of water bodies and distribution system in the campus

1. Water storage tank at high level for supply of water all over the campus

2. Supply for fire extinguisher system (red pipes) and normal water supply (green pipes)

3. Water processing plant before supply of water all over the campus

Water testing report

H.P.STATE POLLUTION CONTROL BOARD
FORM X
REPORT BY STATE BOARD ANALYST
(See Rule 26)

Report No: 95888/W-7785 **25/05/2023**

I hereby certify that I **Rama Kant Awasthi , SO**, State Board Analyst duly appointed under sub-section (3) of section 53 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) received on **03/05/2023** from **Anurag Raina, JEE**, HP State Pollution Control Board **RO Parwanoo** a **Grab** sample of **Final Outlet of STP** of **Jaypee University Of Information Technology, Vaknaghat VPO Waknaghat, Tehsil Kandaghat, District Solan, H.P,Waknaghat, Arki** Distt. **Solan Parwanoo**, H.P. **173234** on dated **02/05/2023** for analysis. The sample was in a condition fit for analysis reported below:

I further certify that I have analyzed the aforementioned sample on **03/05/2023** to **25/05/2023** and declare the result of analysis is to be as follows :-

Method of analysis					
IS- 2488(I-V), IS-3025(Part 44): 1933, 'Standard method for examination of water', 22th edition prepared and published jointly by:-					
1. American Public Health Association 2. American Water Works Association 3. Water Pollution Control Federation					
SAMPLING PARAMETERS					
Sr. No.	**Parameter Name**	**Results**	**Units**	**Permissible Limit**	**Remark/Result Analysis**
1	pH	7.44		6.5-9.0	Within Permissible Limit
2	TSS	10.0	mg/L	99	Within Permissible Limit
3	BOD	6.0	mg/L	30	Within Permissible Limit
4	Oil and Grease	0.4	mg/L	10	Within Permissible Limit
5	COD	56.0	mg/L	250	Within Permissible Limit

The condition of the seals, fastening and container on receipt was as: sealed as **HPPCB262**

Signed this on **25/05/2023**

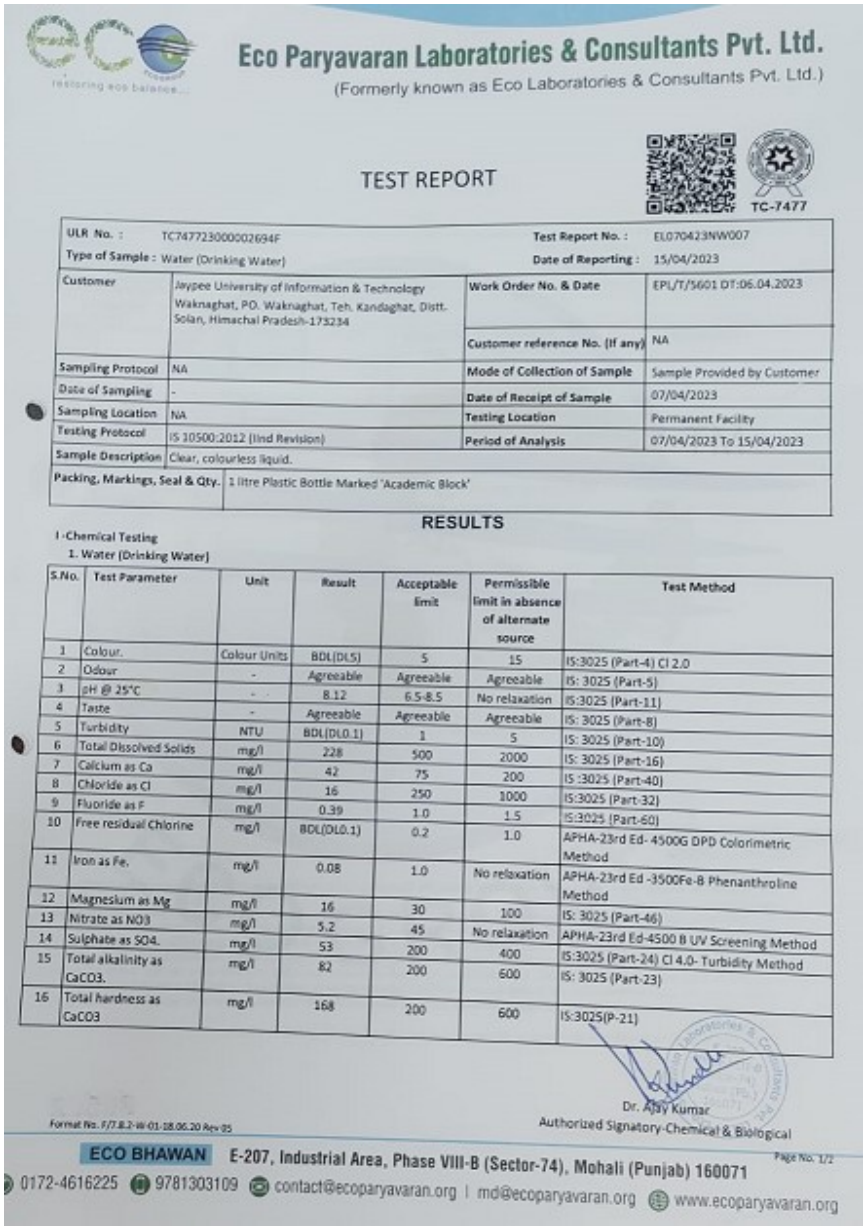
Remarks of Lab Head:

-

Rama Kant Awasthi , SO
(State Board Analyst)
CL Parwanoo

"This is computer generated document from HPOCMMS"

Page 1 of 2



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

restoring eco balance...

TC-7477

TEST REPORT

ULR No. :	TC747723000002694F	**Test Report No. :**	EL070423NW007
Type of Sample :	Water (Drinking Water)	**Date of Reporting :**	15/04/2023
Customer	Jaypee University of Information & Technology Waknaghat, PO. Waknaghat, Teh. Kandaghat, Distt. Solan, Himachal Pradesh-173234	**Work Order No. & Date**	EPL/T/5601 DT:06.04.2023
		Customer reference No. (If any)	NA
Sampling Protocol	NA	**Mode of Collection of Sample**	Sample Provided by Customer
Date of Sampling	-	**Date of Receipt of Sample**	07/04/2023
Sampling Location	NA	**Testing Location**	Permanent Facility
Testing Protocol	IS 10500:2012 (IInd Revision)	**Period of Analysis**	07/04/2023 To 15/04/2023
Sample Description	Clear, colourless liquid.		
Packing, Markings, Seal & Qty.	1 litre Plastic Bottle Marked 'Academic Block'		

RESULTS

I -Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Colour.	Colour Units	BDL(DL5)	5	15	IS:3025 (Part-4) Cl 2.0
2	Odour	-	Agreeable	Agreeable	Agreeable	IS: 3025 (Part-5)
3	pH @ 25°C	-	8.12	6.5-8.5	No relaxation	IS:3025 (Part-11)
4	Taste	-	Agreeable	Agreeable	Agreeable	IS: 3025 (Part-8)
5	Turbidity	NTU	BDL(DL0.1)	1	5	IS: 3025 (Part-10)
6	Total Dissolved Solids	mg/l	228	500	2000	IS: 3025 (Part-16)
7	Calcium as Ca	mg/l	42	75	200	IS :3025 (Part-40)
8	Chloride as Cl	mg/l	16	250	1000	IS:3025 (Part-32)
9	Fluoride as F	mg/l	0.39	1.0	1.5	IS:3025 (Part-60)
10	Free residual Chlorine	mg/l	BDL(DL0.1)	0.2	1.0	APHA-23rd Ed- 4500G DPD Colorimetric Method
11	Iron as Fe.	mg/l	0.08	1.0	No relaxation	APHA-23rd Ed -3500Fe-B Phenanthroline Method
12	Magnesium as Mg	mg/l	16	30	100	IS: 3025 (Part-46)
13	Nitrate as NO3	mg/l	5.2	45	No relaxation	APHA-23rd Ed-4500 B UV Screening Method
14	Sulphate as SO4.	mg/l	53	200	400	IS:3025 (Part-24) Cl 4.0- Turbidity Method
15	Total alkalinity as CaCO3.	mg/l	82	200	600	IS: 3025 (Part-23)
16	Total hardness as CaCO3	mg/l	168	200	600	IS:3025(P-21)

Dr. Ajay Kumar
Authorized Signatory-Chemical & Biological

Format No. F/7.8.2-W-01-18.06.20 Rev 05

Page No. 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071
0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org