



**Post Graduate Government College for Girls,  
Sector 42, Chandigarh**

Affiliated to Panjab University, Chandigarh



**NAAC Accredited 'A' Grade (CGPA – 3.21)**

**AISHE Code : C-29391**

**Internal Quality Assurance Cell (IQAC)**



Prof. Lakhvir Singh  
IQAC Coordinator

Prof. Nisha Aggarwal  
Principal



0172-2676005

Office



0172-2676005

FAX



[www.gcg42.ac.in](http://www.gcg42.ac.in)



[gcg42chd@yahoo.com](mailto:gcg42chd@yahoo.com)

Post-Graduate Government College for Girls, Sector- 42,  
Chandigarh - 160036

**3.5.2: Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years.**

**Table of Content**

S.No.	Activity	Page number
1	Activity done under MOU with Auburn University, Montgomery, Alabama, United States	1-8
2	Activity done under MOU with Eco Laboratory & Consultants Pvt. Ltd. Mohali (Punjab)	9-25
3.	Activity done under MOU with Eco Laboratory & Consultants Pvt. Ltd. Mohali (Punjab)	26

# 1. Activity done under MOU with Auburn University, Montgomery, Alabama, United States

15/06/2022, 11:29

Small - Invitation to speak in an digital event in the annual meeting of NGO CSW 66, NY



ranjay vardhan <ranjayvardhan@gmail.com>

## Invitation to speak in an digital event in the annual meeting of NGO CSW 66, NY

1 message

Prit Kaur <pkaur@auburn.edu>

Fri, Mar 4, 2022 at 2:29 AM

To: ranjay vardhan <ranjayvardhan@gmail.com>

Dear Dr. Vardhan:

It is an honor to invite you to speak in a digital parallel event, webinar, in the upcoming annual meeting of United Nations Commission on the Status of Women (CSW 66), NY. The topic of the webinar is, "Need and Challenges for Bringing Women and Girls to the Central Stage of the Justice Institutions in the Digital Society of Post-COVID Era." Webinar will be held online on 03/16/2022 from 1:00 pm to 3:00 pm CST.

In this webinar, community representatives, practitioners, students and academicians will be coming together to share their thoughts, experiences, opinions and research on the needs and challenges to bring women and girls to the central stage of justice institutions in the digital society of Post-COVID Era. Overall, focus of speakers in the webinar will be on the Wired Women Cops, Cybercrime and Victimization, Epistemology and Social Contract, and Gender Issues.

I request your participation as a speaker in the event. I appreciate your emailing me the title and abstract of your presentation, and time required for your presentation. I will also need a small passport size picture for the flyer of the event.

I look forward to hearing from you.

Thank you, Prit Kaur

\*\*\*\*\*  
Dr. Prit Kaur  
Associate Professor, Criminal Justice  
Senator: College of Liberal Arts and Social Sciences (CLASS)  
Member: UN Women; Academic Council of United Nations  
Affiliate/Member: UNITAR; International Association of Women Police  
Advisor: Graduate Students of Criminal Justice  
Organization: Auburn University at Montgomery  
Office: Clement Hall, 320 N Phone: (334) 244 3697  
Location: 7071 Senators Drive, Montgomery, AL  
Webpage: www.drprtkaur.com

<https://mail.google.com/mail/u/0/?ik=76d8a61f06&view=pt&search=all&permthid=thread-f%3A1726313851979018894&siml=msg-f%3A1726313...> 1/1

Principal  
P.G. Govt. College for Girls  
Sector 42, Chandigarh

## UN COMMISSION ON THE STATUS OF WOMEN: CSW 66 PARALLEL EVENTS

### Need and Challenges for Bringing Women and Girls to the Central Stage of Justice Institutions in the Digital Society of Post-COVID Era

**When:** March 16, 2022 from 1:00 PM to 3:00 PM, CST, USA

**Register in advance for this event at the link below:**

<https://auburn.zoom.us/meeting/register/tZl5d-6vrD0jGtSWxLFxf7t0ZbixqJE1Hj75>

The parallel event is free to join for all, but registration is required.

#### About this event

In this event, community representatives, practitioners, students, and academicians are coming together to share their thoughts, experiences, opinions, and research on the need & challenges of bringing women and girls to the central stage of the justice institutions in the digital society of the post-COVID era.

#### Organizers (1:00 pm to 1:06 pm)

Greetings! It is our pleasure and honor to be with you this afternoon. We extend a warm welcome to our speakers and audience. We have eight most informative/timely presentations scheduled for this session.

We are - Prit Kaur, Latisha McCord, Holly Kennedy, Christy Blake, and Kyle Brandt

Before moving forward, please allow us to share a few rules to be followed. We will complete presentations as per the schedule/time. Please post questions in the chat box. We direct your questions to the presenters who will respond following all presentations. We will try to answer every question. However, if we miss any question, please feel free to email it to [pkaur@aum.edu](mailto:pkaur@aum.edu) or [lbaldwi2@aum.edu](mailto:lbaldwi2@aum.edu). We will get answers for you. Thank you.

#### Presentations

##### The Need for the Criminal Justice System and Our Public and Private Institutions to Support Intimate Partner Violence Victims during the COVID -19 Pandemic

Keynote Speaker: Dr. Catherine "Katie" Kaukinen, Professor and Dean, Norman J. Radow College of Humanities and Social Sciences, Kennesaw State University, GA, USA. (1:07 pm to 1:20 pm)

##### Expert Experience Sharing

Guest of Honor: Jane Townsley, Executive Director, International Associate of Women Police (1:21 pm to 1:34 pm)

Principal  
P.G. Govt. College for Girls  
Sector 42, Chandigarh

## UN COMMISSION ON THE STATUS OF WOMEN: CSW 66 PARALLEL EVENTS

### Need and Challenges for Bringing Women and Girls to the Central Stage of Justice Institutions in the Digital Society of Post-COVID Era

When: March 16, 2022 from 1:00 PM to 3:00 PM, CST, USA

Register in advance for this event at the link below:

<https://auburn.zoom.us/join/zoom/register/tZIsd-6vrD0jGtSWxLFxf7t0ZbixqJE1Hj75>

The parallel event is free to join for all, but registration is required.

#### About this event

In this event, community representatives, practitioners, students, and academicians are coming together to share their thoughts, experiences, opinions, and research on the need & challenges of bringing women and girls to the central stage of the justice institutions in the digital society of the post-COVID era.

#### Organizers (1:00 pm to 1:06 pm)

Greetings! It is our pleasure and honor to be with you this afternoon. We extend a warm welcome to our speakers and audience. We have eight most informative/timely presentations scheduled for this session.

We are - Prit Kaur, Latisha McCord, Holly Kennedy, Christy Blake, and Kyle Brandt

Before moving forward, please allow us to share a few rules to be followed. We will complete presentations as per the schedule/time. Please post questions in the chat box. We direct your questions to the presenters who will respond following all presentations. We will try to answer every question. However, if we miss any question, please feel free to email it to [pkaur@aum.edu](mailto:pkaur@aum.edu) or [lbaldwi2@aum.edu](mailto:lbaldwi2@aum.edu) We will get answers for you. Thank you.

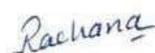
#### Presentations

##### The Need for the Criminal Justice System and Our Public and Private Institutions to Support Intimate Partner Violence Victims during the COVID -19 Pandemic

Keynote Speaker: Dr. Catherine "Katie" Kaukinen, Professor and Dean, Norman J. Radow  
College of Humanities and Social Sciences, Kennesaw State University, GA, USA. (1:07 pm  
to 1:20 pm)

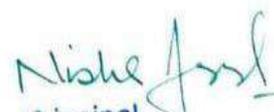
#### Expert Experience Sharing









  
Principal  
P.G. Govt. College for Girls  
Sector 42, Chandigarh

Guest of Honor: Jane Townsley, Executive Director, International Associate of Women Police (1:21 pm to 1:34 pm)

### **A Gendered Perspective on Cyber-aggression**

Speakers: Dr. Susan Kunkle, Associate Professor, Department of Sociology, Kent State University and Dr. Ramona McNeal, Associate Professor, Department of Political Science, University of Northern Iowa, USA ( 1:35 pm to 1.45 pm)

### **Addressing Needs and Challenges of Women in Justice Institutions: Exercise Plays a Role**

Dr. Erin Reilly, Professor of Kinesiology, Auburn University Montgomery (1:46 pm to 1:56 pm)

### **Gang Rape and Digital Rape: Need for Formulation of Laws and Empowering Women to Fight Rape Culture**

Dr. Ranjay Vardhan, Head of Department of Sociology, Post Graduate Institute GCG, Chandigarh, India (1:57 pm to 2:07 pm)

### **Women in the Forefront of Policing Physical and Digital Sex Crimes**

Holly Kennedy, Digital Forensic Examiner and Police Investigator, The University of Alabama, and

Christy Blake, Undergraduate Student, Auburn University Montgomery (2:08 pm to 2: 18 pm)

### **Peacekeeping: A United Nations Legacy**

Kyle P. Brandt, Graduate Student at Auburn University Montgomery (2:19 pm to 2: 29 pm)

### **Handling Cyber Violence against Women and Girls by Bringing Women to the Central Stage of Policing**

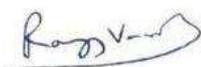
Latisha Baldwin-McCord, Graduate student; Christy Blake, Undergraduate student; Dr. Prit Kaur, Associate Professor, Auburn University Montgomery (2: 29 pm to 2:39) pm)

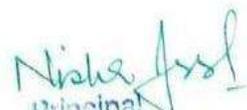
### **Recommendations and Report: Based on the Event (2:40 to 2:50)**

Prit, Latisha, Holly, Kyle, Christy

Report of the Event – For report of the event please email [pkaur@aum.edu](mailto:pkaur@aum.edu) or [lbalwi2@aum.edu](mailto:lbalwi2@aum.edu)

### **Question and Answers (2:50 pm to 3:00 pm)**



  
Principal  
P.G. Govt. College for Girls  
Sector 42, Chandigarh

## Brief Resumes



Dr. Catherine Kaukinen is a dedicated researcher, examining aspects of violence against women, such as the long-term consequences of the violence; victim coping, resilience, and decision-making; the history of Title IX and federal initiatives to address violence against college women; and the evaluation of campus-based prevention and intervention programs. The multiple grants she has received include more than \$1 million from the United States Justice Department's Office on Violence against Women, to develop a multi-campus intervention and prevention program.



Jane Townsley is currently the Executive Director of the International Association of Women Police (IAWP). She has helped to lead IAWP with members in over seventy countries advising on both women's and general policing issues, strategic planning, leadership, gender responsive policing and networking. She has been a keynote speaker at a range of international law enforcement conferences. She is co-author of the global *Handbook on Gender-responsive Policing Services for Women and Girls Subject to Violence*.



Dr. Prit Kaur is currently serving as an Associate Professor of Criminal Justice, Auburn University Montgomery, USA. She started her academic/police career at a prestigious, police-training institute – Punjab Police Academy, India as an assistant professor cum non-uniform police training officer. She specializes in policing (women police), cybercrime and cyber victimization, and global populations. Her fourth book on cybercrime will become available in 2022.



Dr. Kunkle is currently an Associate Professor at Kent State University (Kent, Ohio, U.S.A.). Her research interests include cybercrimes and cyber aggressions; women employees in correctional institutions; incarcerated women; and reentry. She has presented at numerous conferences including the annual meeting of the International Corrections and Prison Association (2019) in Argentina where she spoke on training needs for women who work as correctional officers and the UN Committee on the Status of Women (2021). Her publications include *Cyber Harassment and Policy Reform in the Digital Age: Emerging Research & Opportunities*.

Rajiv Kumar

Rachana

fyd  
Sachin

Nisha Jost  
Principal  
P.G. Govt. College for Girls  
Sector 42, Chandigarh



Ramona McNeal is an Associate Professor in the Department of Political Science, University of Northern Iowa. Her chief research interests include e-government, telehealth, cybercrimes, environmental policy, and impact of technology on political participation. She has published work in numerous journals, and she is a co-author of *Digital Citizenship: The Internet, Society and Participation*; and *Cyber Harassment and Policy Reform in the Digital Age: Emerging Research & Opportunities*.



Dr. Erin Reilly is a Professor in the Department of Kinesiology at Auburn University Montgomery. She received her Ph.D in Sport Psychology & Sociology from University of Kansas and a certificate from Harvard Graduate School of Education, Mind, Brain, and Education Institute. She is a Distinguished Teaching Professor at AUM & recipient of the Donna M. Wolfinger Excellence in Teaching Award as well as the Distinguished Research Award. Reilly has forty peer-reviewed publications, and 125 presentations.

Dr. Ranjay Vardhan is presently working as Head, Department of Sociology, P. G. Govt. College for Girls, Sector 42, Chandigarh. He is an author of international repute who has published eleven books and thirty articles. He is currently Project Director, IMPRESS ICSSR Major Project. He is associated with projects with UGC, NPEP, ICSSR. He is Chief Editor of the journal *Intellectual Quest* and is Associate Editor of *International Journal of Sociology*.



Jessica Swanson has served with the Omaha Police Department, in Omaha, Nebraska for 14 years and currently is assigned as a Sergeant in the Internal Affairs Unit. Sgt Swanson also serves as the President of the Nebraska Association of Women Police and Regional Coordinator for the International Association of Women Police. Sgt Swanson founded and led a Girl Scout troop for the children of local First Responders, acts as a mentor for teenage Girl Scouts pursuing higher awards, and has founded several safety-focused events for non-profit organizations in the region.



Latisha B. McCord is a graduate student at Auburn University Montgomery where she is pursuing a Master of Science in Criminal Justice. She has diverse work experiences. Currently, she is serving as administrative associate at the College of Nursing and Health Sciences at Auburn University Montgomery.

*R. Vardhan*

*Rachana*

*F.V.*

*Saravalli*

*Nisha Jood*  
Principal  
P.G. Govt. College for Girls  
Sector 42, Chandigarh



Kyle Brandt is a graduate student at Auburn University Montgomery where he is pursuing a Master of Science in Homeland Security and Emergency Management. His work focuses specifically on national security policy and its role in the criminal justice and emergency management realms.



Holly Kennedy is a police investigator and digital forensic examiner at The University of Alabama. As a member of the Joint Electronic Crimes Task Force, she examines digital evidence for agencies across Alabama, particularly for investigations of major crimes and child sexual abuse material (CSAM). As a patrol officer, she specialized in trauma-informed response to victims of sexual assault. She is pursuing a Master of Science in Criminal Justice.



Christy Blake is an undergraduate student at Auburn University Montgomery. She has diverse work experience in many areas of criminal justice including human trafficking and child abuse. Currently, she is working with a faculty member on a collaborative research project and publication.

Thank you!

*Roy*      *Rachana*      *FM*      *Sachin*

*Niche Jost*  
Principal  
P.G. Govt. College for Girls  
Sector 42, Chandigarh

## Report

With immense pleasure we would like to share that on March 16, 2022, we participated in the annual meeting of the UN Commission on the Status of Women - CSW66 parallel events. We organized our digital event entitled, "Need and Challenges for Bringing Women and Girls to the Central Stage of Justice Institutions in the Digital Society of Post-COVID Era." Event included eight presentations, four written statements and a recommendations session. We noted that forty-three people attended the event.

Listed below are topics of presentations and names of speakers.

- I. The Need for the Criminal Justice System and Our Public and Private Institutions to Support Intimate Partner Violence Victims during the COVID-19 Pandemic. Keynote Speaker: Dr. Catherine "Katie" Kaukinen, Professor and Dean, Norman J. Radow College of Humanities and Social Sciences, Kennesaw State University, GA, USA.
- II. Expert Experience Sharing: Guest of Honor: Jane Townsley, Executive Director, International Associate of Women Police.
- III. A Gendered Perspective on Cyber-aggression. Dr. Susan Kunkle, Associate Professor, Department of Sociology, Kent State University and Dr. Ramona McNeal, Associate Professor, Department of Political Science, University of Northern Iowa, USA.
- IV. Addressing Needs and Challenges of Women in Justice Institutions: Exercise Plays a Role. Dr. Erin Reilly, Professor of Kinesiology, Auburn University Montgomery, Montgomery, AL, USA.
- V. Gang Rape and Digital Rape: Need for Formulation of Laws and Empowering Women to Fight Rape Culture. Dr. Ranjay Vardhan, Head of Department of Sociology, Post Graduate Institute GCG, Chandigarh, India.
- VI. Women in the Forefront of Policing Physical and Digital Sex Crimes. Holly Kennedy, Digital Forensic Examiner and Police Investigator, University of Alabama, and Christy Blake, Undergraduate Student, Auburn University Montgomery, Montgomery, AL, USA.
- VII. Peacekeeping: A United Nations Legacy. Kyle P. Brandt, Graduate Student, Auburn University Montgomery, Montgomery, USA.

*Ranjan Vardhan*

*Rachana*

*J. M. Lawrence*

*Nishe Jost*

Principal  
P.G. Govt. College for Girls  
Sector 42, Chandigarh

## 2. Activity done under MOU with Eco Laboratory & Consultants Pvt Ltd. Mohali (Punjab)



# Eco Laboratories & Consultants Pvt. Ltd.

CIN : U74140PB2011PTC034739

## TEST REPORT



TC-7477

ULR No. : TC747721000007182F		Test Report No. : EL221121NW001	
Type of Sample : Water (Drinking Water)		Date of Reporting : 29/11/2021	
Customer	Post Graduate Government College for Girls Sector-42, Chandigarh	Work Order No. & Date	EL/PGGCG/TEL/2408 Dt.: 20/11/2021
		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	22/11/2021
Sampling Location	NA	Testing Location	Permanent Facility
Testing Protocol	IS 10500:2012 (IInd Revision)	Period of Analysis	22/11/2021 To 29/11/2021
Sample Description	Clear colourless liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked 'Hostel,Sec-42'		

## 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	APHA-23rd Ed-2120B Visual Comparison (Pt Cobalt) Method
2	Odour	-	Agreeable	Agreeable	Agreeable	IS: 3025 (Part-5)
3	pH @ 25°C	-	7.68	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	152	500	2000	IS: 3025 (Part-16)
7	Calcium as Ca	mg/l	36	75	200	IS :3025 (Part-40)
8	Chloride as Cl	mg/l	6.0	250	1000	IS:3025 (Part-32)
9	Fluoride as F	mg/l	0.18	1.0	1.5	IS:3025 (Part-60)
10	Iron as Fe.	mg/l	BDL(DL0.1)	1.0	No relaxation	APHA-23rd Ed -3500Fe-B Phenanthroline Method
11	Magnesium as Mg	mg/l	12	30	100	IS: 3025 (Part-46)
12	Nitrate as NO3	mg/l	3.1	45	No relaxation	APHA-23rd Ed-4500 B UV Screening Method
13	Sulphate as SO4.	mg/l	35	200	400	IS:3025 (Part-24) Cl 4.0- Turbidity Method
14	Total alkalinity as CaCO3.	mg/l	136	200	600	IS: 3025 (Part-23)
15	Total hardness as CaCO3 .	mg/l	140	200	600	IS:3025(P-21)

Checked by QA

Simranjit Kaur  
Authorized Signatory-Biological

Tanu Sharma  
Authorized Signatory-Chemical

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 | consulteco@yahoo.com | ecolab@ecoparyavaran.org | www.ecoparyavaran.org



ULR No. : TC747721000007182F      Test Report No. : EL221121NW001  
 Type of Sample : Water (Drinking Water)      Date of Reporting : 29/11/2021

**II -Biological Testing**

**1. Water (Drinking Water)**

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Total coliform	CFU/100ml	Absent*	Absent	-	IS:15185
2	E.coli.	CFU/100ml	Absent*	Absent	-	IS:15185

Remarks : \*The result might be affected due to collection of sample in plastic bottle

**OTHER INFORMATION**

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable  
 Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*

Checked by QA

Simranjit Kaur  
Authorized Signatory-Biological

Tanu Sharma  
Authorized Signatory-Chemical



### TEST REPORT



TC-7477

ULR No. : TC747721000007183F		Test Report No. : EL221121NW002	
Type of Sample : Water (Drinking Water)		Date of Reporting : 29/11/2021	
Customer	Post Graduate Government College for Girls Sector-42, Chandigarh	Work Order No. & Date	EL/PGGCG/TEL/2408 Dt.: 20/11/2021
		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	22/11/2021
Sampling Location	NA	Testing Location	Permanent Facility
Testing Protocol	IS 10500:2012 (IInd Revision)	Period of Analysis	22/11/2021 To 29/11/2021
Sample Description	Clear colourless liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked 'Post Graduate Govt.College for Girls,Sec-42, Chandigarh'		

### 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	APHA-23rd Ed-2120B Visual Comparison (Pt Cobalt) Method
2	Odour	-	Agreeable	Agreeable	Agreeable	IS: 3025 (Part-5)
3	pH @ 25°C	-	7.72	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	148	500	2000	IS: 3025 (Part-16)
7	Calcium as Ca	mg/l	37	75	200	IS :3025 (Part-40)
8	Chloride as Cl	mg/l	5	250	1000	IS:3025 (Part-32)
9	Fluoride as F	mg/l	0.16	1.0	1.5	IS:3025 (Part-60)
10	Iron as Fe.	mg/l	BDL(DL0.1)	1.0	No relaxation	APHA-23rd Ed -3500Fe-B Phenanthroline Method
11	Magnesium as Mg	mg/l	9	30	100	IS: 3025 (Part-46)
12	Nitrate as NO3	mg/l	3.2	45	No relaxation	APHA-23rd Ed-4500 B UV Screening Method
13	Sulphate as SO4.	mg/l	40	200	400	IS:3025 (Part-24) Cl 4.0- Turbidity Method
14	Total alkalinity as CaCO3.	mg/l	120	200	600	IS: 3025 (Part-23)
15	Total hardness as CaCO3	mg/l	130	200	600	IS:3025(P-21)

*[Signature]*  
Checked by QA

*[Signature]*  
Simranjit Kaur  
Authorized Signatory-Biological

*[Signature]*  
Tanu Sharma  
Authorized Signatory-Chemical



ULR No. : TC747721000007183F      Test Report No. : EL221121NW002  
Type of Sample : Water (Drinking Water)      Date of Reporting : 29/11/2021

**II -Biological Testing**

**1. Water (Drinking Water)**

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Total coliform	CFU/100ml	Absent*	Absent	-	IS:15185
2	E.coli.	CFU/100ml	Absent*	Absent	-	IS:15185

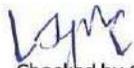
Remarks : \*The result might be affected due to collection of sample in plastic bottle

**OTHER INFORMATION**

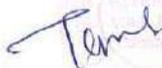
Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*

  
Checked by QA

  
Simranjit Kaur  
Authorized Signatory-Biological

  
Tanu Sharma  
Authorized Signatory-Chemical

# Water Audit 2019



**Eco Laboratories & Consultants Pvt. Ltd.**

CIN : U74140PB2011PTC034739



[A Govt. Approved, ISO 9001:2015, 14001 & 45001: 2018 certified & Approved by MOEF, PPCB]

## TEST REPORT

ULR No.	NA	Test Report No.	EL130919GW001
Type of Sample	Drinking Water	Date of Reporting	17/09/2019
<b>Customer</b>	Post Graduate Government College for Girls Sec-42, Chandigarh	<b>Work Order No. &amp; Date</b>	NA
<b>Sampling Protocol</b>	NA	<b>Customer reference No. (If any)</b>	Telephonic Order
<b>Date of Sampling</b>	NA	<b>Mode of Collection of Sample</b>	<b>Sample Provided by Customer</b>
<b>Sampling Location</b>	NA	<b>Date of Receipt of Sample</b>	13/09/2019
<b>Testing Protocol</b>	IS 10500:2012 & APHA	<b>Packing, Markings, Seal &amp; Quantity</b>	2 Plastic Bottles Marked '3 <sup>rd</sup> Floor' 1 Litre each
<b>Sample Description</b>	Clear, colorless liquid	<b>Period of Analysis</b>	13/09/2019 to 17/09/2019

## TEST RESULTS

### I - Chemical Testing

#### 1. Drinking Water

S. No.	Test Parameter	Units	Results	Acceptable limit	Permissible limit <sup>1</sup>	Test Method
1.	Total Hardness as CaCO <sub>3</sub>	mg/l	156	200	600	APHA-23 <sup>rd</sup> Ed 2017-2340C
2.	Total Dissolved Solids	mg/l	237	500	2000	APHA-23 <sup>rd</sup> Ed 2017- 2540C

### II - Biological Testing

#### 1. Drinking Water

S. No.	Test Parameter	Units	Results	Acceptable limit	Permissible limit <sup>1</sup>	Test Method
1.	Total coliforms	MPN/100ml	<2*	Absent	--	IS: 1622:1981 RA-2009
2.	E. coli	MPN/100ml	<2*	Absent	--	IS: 1622:1981 RA-2009

**Remarks** : Sample complies with respect to above test parameters only in accordance of IS 10500:2012

#### OTHER INFORMATION

- Abbreviation** : ULR: Unique Lab Report, NA: Not Applicable
- Symbols** : \* < 2 is minimum detection limit as per IS 1622 method which is equal to absent.  
<sup>1</sup>Permissible limit in absence of alternate source
- Terms & Conditions** : Please refer terms and conditions on backside of Test Report (Page-1)

**\*\*End of Report\*\***

*Tauf*  
Checked by QA

*Simranjit Kaur*  
Simranjit Kaur  
Authorized Signatory-Biological

*Dr. Sandeep Garg*  
Dr. Sandeep Garg  
Authorized Signatory-Chemical

Format No. F/7.8.2-W-01-02.09.19 Rev 03

Page 1 of 1

[A Govt. Approved, ISO 9001:2015, 14001 & 45001: 2018 certified & Approved by MOEF, PPCB]

## TEST REPORT

ULR No.	NA	Test Report No.	EL190819GW001
Type of Sample	Water	Date of Reporting	21/08/2019
Customer	Post Graduate Government College for Girls Sec-42, Chandigarh	Work Order No. & Date	NA
		Customer reference No. (If any)	Telephonic Order
Sampling Protocol	NA	Mode of Collection of Sample	Sample Provided by Customer
Date of Sampling	NA	Date of Receipt of Sample	19/08/2019
Sampling Location	NA	Packing, Markings, Seal & Quantity	Plastic Bottle Marked 'Academic Block' 1 Litre
Testing Protocol	IS 10500:2012 & APHA	Period of Analysis	19/08/2019 to 21/08/2019
Sample Description	Clear, colorless liquid.		

## TEST RESULTS

### I-Chemical Testing

#### 1. Water

S. No.	Test Parameter	Units	Results	Acceptable limit	Permissible limit <sup>1</sup>	Test Method
1.	Total Alkalinity as CaCO <sub>3</sub>	mg/l	92	200	600	APHA-23 <sup>rd</sup> Ed 2017-.2320 B
2.	Colour	Colour Units	BDL(DL 5)	5	15	APHA-23 <sup>rd</sup> Ed 2017-2120 B
3.	Total Hardness as CaCO <sub>3</sub>	mg/l	150	200	600	APHA-23 <sup>rd</sup> Ed 2017-2340C
4.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 1983 RA 2017
5.	Total Dissolved Solids	mg/l	238	500	2000	APHA-23 <sup>rd</sup> Ed 2017- 2540C
6.	Taste	-	Agreeable			IS 3025 (Part-8): 1984 RA 2017
7.	Turbidity	NTU	BDL(DL 0.1)	1	5	APHA-23 <sup>rd</sup> Ed 2017- 2130B
8.	Chloride as Cl	mg/l	14	250	1000	APHA-23 <sup>rd</sup> Ed 2017- 4500 B
9.	Fluoride as F	mg/l	0.35	1.0	1.5	APHA-23 <sup>rd</sup> Ed 2017-4500 D
10.	Nitrate as NO <sub>3</sub>	mg/l	BDL(DL 1)	45	No Relaxation	APHA-23 <sup>rd</sup> Ed 2017-4500 B
11.	pH	-	7.77	6.5 - 8.5	No Relaxation	APHA-23 <sup>rd</sup> Ed 2017-4500B
12.	Sulphate as SO <sub>4</sub>	mg/l	19	200	400	APHA-23 <sup>rd</sup> Ed 2017- 4500E
13.	Calcium as Ca	mg/l	34	75	200	APHA-23 <sup>rd</sup> Ed 2017-3500B
14.	Iron as Fe	mg/l	BDL(DL 0.05)	0.3	No relaxation	APHA-23 <sup>rd</sup> Ed 2017-33500Fe-B
15.	Magnesium as Mg	mg/l	16	30	100	APHA-23 <sup>rd</sup> Ed 2017-3500-Mg B

*Amandeep Kaur*  
21.8.19  
Checked by  
*Neha Kaur*  
21/8/19  
Neha Kaur, Neha Kaur

*Simranjit Kaur*  
Simranjit Kaur  
Authorized Signatory-Biological

*Dr. Rai Singh*  
Dr. Rai Singh  
Authorized Signatory-Chemical

Format No. F/7.8.2-W-01-15.11.18 Rev 02

Page 1 of 2

**ECO BHAWAN** E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

TeleFax: 0172-4616225 M: 9781303109 consulteco@yahoo.com ecolab@ecoparyavaran.org www.ecoparyavaran.org

ULR No.	NA	Test Report No.	EL190819GW001
Type of Sample	Water	Date of Reporting	21/08/2019

## II - Biological Testing

### 1. Water

S. No.	Test Parameter	Units	Results	Acceptable limit	Permissible limit <sup>1</sup>	Test Method
16	Total coliforms	MPN/100ml	<2 <sup>*</sup>	Absent	--	IS: 1622:1981 RA-2009
17	E. coli	MPN/100ml	<2 <sup>*</sup>	Absent	--	IS: 1622:1981 RA-2009

**Remarks** : Sample complies with respect to above test parameters only in accordance of IS 10500:2012

#### OTHER INFORMATION

**Abbreviation** : ULR: Unique Lab Report, BDL: Below Detection Level; NA: Not Applicable

**Symbols** : \* < 2 is minimum detection limit as per IS 1622 method which is equal to absent.  
<sup>1</sup>Permissible limit in absence of alternate source

**Terms & Conditions** : Please refer terms and conditions on backside of Test Report (Page-1)

**\*\*End of Report\*\***

*Suprawo*  
*21.8.19*  
 Checked by *Amandeep Kaur, Neha Nehal*

*[Signature]*  
 Simranjit Kaur  
 Authorized Signatory-Biological

*[Signature]*  
 Dr. Rai Singh  
 Authorized Signatory-Chemical

[A Govt. Approved, ISO 9001:2015, 14001 & 45001: 2018 certified & Approved by MOEF, PPCB]

**TEST REPORT**

<b>ULR No.</b>	NA	<b>Test Report No.</b>	EL190819GW002
<b>Type of Sample</b>	Water	<b>Date of Reporting</b>	21/08/2019
<b>Customer</b>	Post Graduate Government College for Girls Sec-42, Chandigarh	<b>Work Order No. &amp; Date</b>	NA
		<b>Customer reference No. (If any)</b>	Telephonic Order
<b>Sampling Protocol</b>	NA	<b>Mode of Collection of Sample</b>	<b>Sample Provided by Customer</b>
<b>Date of Sampling</b>	NA	<b>Date of Receipt of Sample</b>	19/08/2019
<b>Sampling Location</b>	NA	<b>Packing, Markings, Seal &amp; Quantity</b>	Plastic Bottle Marked 'Hostel' 1 Litre
<b>Testing Protocol</b>	IS 10500:2012 & APHA	<b>Period of Analysis</b>	19/08/2019 to 21/08/2019
<b>Sample Description</b>	Clear, colorless liquid.		

**TEST RESULTS**

**I -Chemical Testing**

**1. Water**

S. No.	Test Parameter	Units	Results	Acceptable limit	Permissible limit <sup>1</sup>	Test Method
1.	Total Alkalinity as CaCO <sub>3</sub>	mg/l	84	200	600	APHA-23 <sup>rd</sup> Ed 2017-.2320 B
2.	Colour	Colour Units	BDL(DL 5)	5	15	APHA-23 <sup>rd</sup> Ed 2017-2120 B
3.	Total Hardness asCaCO <sub>3</sub>	mg/l	146	200	600	APHA-23 <sup>rd</sup> Ed 2017-2340C
4.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 1983 RA 2017
5.	Total Dissolved Solids	mg/l	230	500	2000	APHA-23 <sup>rd</sup> Ed 2017- 2540C
6.	Taste	-	Agreeable			IS 3025 (Part-8): 1984 RA 2017
7.	Turbidity	NTU	BDL(DL 0.1)	1	5	APHA-23 <sup>rd</sup> Ed 2017- 2130B
8.	Chloride as Cl	mg/l	11	250	1000	APHA-23 <sup>rd</sup> Ed 2017- 4500 B
9.	Fluoride as F	mg/l	0.40	1.0	1.5	APHA-23 <sup>rd</sup> Ed 2017-4500 D
10.	Nitrate as NO <sub>3</sub>	mg/l	BDL(DL 1)	45	No Relaxation	APHA-23 <sup>rd</sup> Ed 2017-4500 B
11.	pH	-	7.85	6.5 - 8.5	No Relaxation	APHA-23 <sup>rd</sup> Ed 2017-4500B
12.	Sulphate as SO <sub>4</sub>	mg/l	18	200	400	APHA-23 <sup>rd</sup> Ed 2017- 4500E
13.	Calcium as Ca	mg/l	34	75	200	APHA-23 <sup>rd</sup> Ed 2017-3500B
14.	Iron as Fe	mg/l	BDL(DL 0.05)	0.3	No relaxation	APHA-23 <sup>rd</sup> Ed 2017-33500Fe-B
15.	Magnesium as Mg	mg/l	15	30	100	APHA-23 <sup>rd</sup> Ed 2017-3500-Mg B

*Amandeep Kaur*  
Checked by  
*Neha Khehal*

*Simranjit Kaur*  
Authorized Signatory-Biological

*Dr. Rai Singh*  
Authorized Signatory-Chemical

<b>ULR No.</b>	NA	<b>Test Report No.</b>	EL190819GW002
<b>Type of Sample</b>	Water	<b>Date of Reporting</b>	21/08/2019

**II - Biological Testing**

1. Dialysis Water

S. No.	Test Parameter	Units	Results	Acceptable limit	Permissible limit <sup>1</sup>	Test Method
16	Total coliforms	MPN/100ml	<2*	Absent	--	IS: 1622:1981 RA-2009
17	E. coli	MPN/100ml	<2*	Absent	--	IS: 1622:1981 RA-2009

**Remarks** : Sample complies with respect to above test parameters only in accordance of IS 10500:2012

**OTHER INFORMATION**

**Abbreviation** : ULR: Unique Lab Report, BDL: Below Detection Level; NA: Not Applicable

**Symbols** : \* < 2 is minimum detection limit as per IS 1622 method which is equal to absent.  
<sup>1</sup>Permissible limit in absence of alternate source

**Terms & Conditions** : Please refer terms and conditions on backside of Test Report (Page-1)

**\*\*End of Report\*\***

*Amandeep Kaur*  
 Checked by  
*Neha Rethal*

*Simran Kaur*  
 Simran Kaur  
 Authorized Signatory-Biological

*Dr. Rai Singh*  
 Dr. Rai Singh  
 Authorized Signatory-Chemical

# Water Audit 2018



## Eco Laboratories & Consultants Pvt. Ltd.

NABL / MOEF / PPCB / HSPCB / BIS approved Laboratory  
 ISO - 9001 : 2015, 14001 : 2015 OHSAS-18001:2007  
 CIN : U74140PB2011PTC034739



### DUPLICATE COPY TEST REPORT

EL-16-17/		Lab No.		EC210818W01		Page-1/1	
Customer:		Principal Post Graduate College for Women Sector-42, Chandigarh					
Type of Sample:		Water					
Work Order No. & Date:		Telephonic Order					
Mode of Collection of Sample:		Sampling By Laboratory					
Packing, Marking, Seal & Identity:		Plastic Bottle & Sterilized Glass Bottle Marked '01'					
Quantity:		2litre + 250ml					
Sampling Location:		After Cooler					
Date Of Sampling:		21.08.2018					
Sampling Protocol:		IS: 3025-(P-1)-1987-R-1998 Amdt-1					
Date of Receipt of Sample:		21.08.2018					
Date of Reporting:		25.08.2018					
Testing Protocol:		IS: 10500-2012					
Remarks & Observation:		Colorless liquid.					
S.No	Test Parameters	Units	Results	Requirements		Test Method	
				Acceptable Limits	In Absence of Alternate Source		
1.	Colour	Hazen units	< 5	5	15	APHA-22nd Ed 2012-2120 B	
2.	Odour	--	Agreeable	Agreeable	Agreeable	IS3025 (P-5)1983 RA 2002	
3.	Turbidity	NTU	< 0,1	1	5	APHA-22 <sup>nd</sup> Ed 2012- 2130B	
4.	pH	--	7.95	6.5 to 8.5	No relaxation	APHA-22 <sup>nd</sup> Ed 2012 -4500 B	
5.	Total Dissolved Solids	mg/L	200	500	2000	APHA-22nd Ed 2012- 2540C	
6.	Total Hardness (asCaCO <sub>3</sub> )	mg/l	176	200	600	APHA-22 <sup>nd</sup> Ed 2012-2340C	
7.	Iron (as Fe)	mg/l	0.13	0.3	No relaxation	APHA-22 <sup>nd</sup> Ed 2012-3500 Fe- B	
8.	Chlorides (as Cl)	mg/l	12	250	1000	APHA-22 <sup>nd</sup> Ed 2012- 4500 B	
9.	Alkalinity as CaCO <sub>3</sub>	mg/l	146	200	600	APHA-22nd Ed 2012- 2320 B	
10.	Sulphate as SO <sub>4</sub>	mg/l	30	200	400	APHA-22nd Ed 2012- 4500E	
11.	Nitrate as NO <sub>3</sub>	mg/l	2.3	45	No relaxation	APHA-22nd Ed 2012-4500 B	
12.	Calcium as Ca	mg/l	47	75	200	APHA-22nd Ed 2012-3500B	
13.	Magnesium as Mg	mg/l	15	30	100	APHA-22nd Ed 2012-3500-Mg B	
14.	Flouride as F	mg/l	0.51	1.0	1.5	APHA-22nd Ed 2012-4500 D	
15.	Coliforms	MPN/100ml	6	Absent	--	IS: 1622-1981 RA 2003- 3.3.1	
16.	E.Coli/100ml	MPN/100ml	3	Absent	--	IS: 1622-1981 RA 2003- 3.3.1/3.3.4	

\*\*End of Report\*\*

*[Signature]*  
Lab Incharge

For Eco Laboratories & Consultants Pvt. Ltd.

*[Signature]*  
Authorized Signatory



# Eco Laboratories & Consultants Pvt. Ltd.

NABL / MOEF / PPCB / HSPCB / BIS approved Laboratory  
 ISO - 9001 : 2015, 14001 : 2015 OHSAS-18001:2007  
 CIN : U74140PB2011PTC034739



DUPLICATE COPY  
 TEST REPORT

EL-16-17/	Lab No.	EL110918EW001	Page-1/1
Customer:	Principal Post Graduate College for Women Sector-42, Chandigarh		
Type of Sample:	Water		
Work Order No. & Date:	Telephonic Order		
Mode of Collection of Sample:	Sampling By Laboratory		
Packing, Marking, Seal & Identity:	Plastic Bottle & Sterilized Glass Bottle Marked '01'		
Quantity:	2litre + 250ml		
Sampling Location:	From Water Cooler		
Date Of Sampling:	11/09/2018		
Sampling Protocol:	IS: 3025-(P-1)-1987-R-1998 Amdt-1		
Date of Receipt of Sample:	11/09/2018		
Date of Reporting:	15/09/2018		
Testing Protocol:	IS: 10500-2012		
Remarks & Observation:	Colorless liquid.		

S.No	Test Parameters	Units	Results	Requirements		Test Method
				Acceptable Limits	In Absence of Alternate Source	
1.	Colour	Hazen units	< 5	5	15	APHA-23 <sup>rd</sup> Ed 2017-2120 B
2.	Odour	--	Agreeable	Agreeable	Agreeable	IS3025 (P-5)1983 RA 2002
3	Turbidity	NTU	< 0.1	1	5	APHA-23 <sup>rd</sup> Ed 2017- 2130B
4	pH	--	7.8	6.5 to 8.5	No relaxation	APHA-23 <sup>rd</sup> Ed 2017-4500 B
5	Total Dissolved Solids	mg/L	190	500	2000	APHA-23 <sup>rd</sup> Ed 2017- 2540C
6	Total Hardness (asCaCO <sub>3</sub> )	mg/l	165	200	600	APHA-23 <sup>rd</sup> Ed 2017-2340C
7	Iron (as Fe)	mg/l	0.08	0.3	No relaxation	APHA-23 <sup>rd</sup> Ed 2017-3500 Fe- B
8	Chlorides (as Cl)	mg/l	10	250	1000	APHA-23 <sup>rd</sup> Ed 2017- 4500 B
9	Alkalinity as CaCO <sub>3</sub>	mg/l	136	200	600	APHA-23 <sup>rd</sup> Ed 2017- 2320 B
10	Sulphate as SO <sub>4</sub>	mg/l	25	200	400	APHA-23 <sup>rd</sup> Ed 2017- 4500E
11	Nitrate as NO <sub>3</sub>	mg/l	2.4	45	No relaxation	APHA-23 <sup>rd</sup> Ed 2017-4500 B
12	Calcium as Ca	mg/l	43	75	200	APHA-23 <sup>rd</sup> Ed 2017-3500B
13	Magnesium as Mg	mg/l	13	30	100	APHA-23 <sup>rd</sup> Ed 2017-3500-Mg B
14	Flouride as F	mg/l	0.42	1.0	1.5	APHA-23 <sup>rd</sup> Ed 2017-4500 D
15	Coliforms	MPN/100ml	<2*	Absent	--	IS: 1622-1981 RA 2009
16	E.Coli/100ml	MPN/100ml	<2*	Absent	--	IS: 1622-1981 RA 2009

Remarks (if any) \*<2 is minimum detection limit as per IS 1622 method and is equal to absent

\*\*End of Report\*\*

*[Signature]*  
 Lab Incharge

For Eco Laboratories & Consultants Pvt. Ltd.  
*[Signature]*  
 Authorized Signatory

# Water Audit 2017



## Eco Laboratories & Consultants Pvt. Ltd.

NABL / MOEF / PPCB / HSPCB / BIS approved Laboratory

ISO - 9001 : 2015, 14001 : 2015 OHSAS-18001:2007

CIN : U74140PB2011PTC034739

DUPLICATE COPY



### TEST REPORT

EL-16-17/ Customer:	Principal Post Graduate College for Women Sector-42, Chandigarh	Lab No. EC220317W91/A	Page-1/1
Type of Sample:	Water		
Work Order No. & Date:	Telephonic Order		
Mode of Collection of Sample:	Sampling By Laboratory		
Packing, Marking, Seal & Identity:	Plastic Bottle & Sterilized Glass Bottle Marked '01'		
Quantity:	2litr + 250ml		
Sampling Location:	From Water Cooler		
Date Of Sampling:	22.03.2017		
Sampling Protocol:	IS: 3025-(P-1)-1987-R-1996 Arndt-1		
Date of Receipt of Sample:	22.03.2017		
Date of Reporting:	27.03.2017		
Testing Protocol:	IS: 10500-2012		
Remarks & Observation:	Colorless liquid.		

S.No	Test Parameters	Units	Results	Requirements		Test Method
				Acceptable Limits	In Absence of Alternate Source	
1.	Colour	Hazen units	< 5	5	15	APHA-22nd Ed 2012-2120 B
2.	Odour	--	Agreeable	Agreeable	Agreeable	IS3025 (P-5)1983 RA 2002
3.	Turbidity	NTU	<0.1	1	5	APHA-22 <sup>nd</sup> Ed 2012- 2130B
4.	pH	--	7.78	6.5 to 8.5	No relaxation	APHA-22 <sup>nd</sup> Ed 2012 -4500 B
5.	Total Dissolved Solids	mg/l	240	500	2000	APHA-22nd Ed 2012- 2540C
6.	Total Hardness (asCaCO <sub>3</sub> )	mg/l	198	200	600	APHA-22 <sup>nd</sup> Ed 2012-2340C
7.	Iron (as Fe)	mg/l	0.27	0.3	No relaxation	APHA-22 <sup>nd</sup> Ed 2012-3500 Fe- B
8.	Chlorides (as Cl)	mg/l	21	250	1000	APHA-22 <sup>nd</sup> Ed 2012- 4500 B
9.	Alkalinity as CaCO <sub>3</sub>	mg/l	156	200	600	APHA-22nd Ed 2012- 2320 B
10.	Sulphate as SO <sub>4</sub>	mg/l	22	200	400	APHA-22nd Ed 2012- 4500E
11.	Nitrate as NO <sub>3</sub>	mg/l	2	45	No relaxation	APHA-22nd Ed 2012-4500 B
12.	Calcium as Ca	mg/l	65	75	200	APHA-22nd Ed 2012-3500B
13.	Magnesium as Mg	mg/l	16	30	100	APHA-22nd Ed 2012-3500-Mg B
14.	Fluoride as F	mg/l	0.42	1.0	1.5	APHA-22nd Ed 2012-4500 D
15.	Coliforms	MPN/100ml	4	Absent	--	IS: 1622-1981 RA 2003- 3.3.1
16.	E.Coli/100ml	MPN/100ml	2	Absent	--	IS: 1622-1981 RA 2003- 3.3.1/3.3.4

\*\*End of Report\*\*

Lab Incharge

For Eco Laboratories & Consultants Pvt. Ltd.

Authorized Signatory



**ECO BHAWAN** E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

TeleFax: 0172-4616225 M: 9781303109 [consulteco@yahoo.com](mailto:consulteco@yahoo.com) [ecolab@ecoparyavaran.org](mailto:ecolab@ecoparyavaran.org) [www.ecoparyavaran.org](http://www.ecoparyavaran.org)



# Eco Laboratories & Consultants Pvt. Ltd.

NABL / MOEF / PPCB / HSPGB / BIS approved Laboratory  
 ISO - 9001 : 2015, 14001 : 2015 OHSAS-18001:2007  
 CIN : U74140PB2011PTC034739



DUPLICATE COPY ✓  
 TEST REPORT

EL-16-17/	Lab No.	EC170717W01/A	Page-1/1
Customer:	Principal Post Graduate College for Women Sector-42, Chandigarh		
Type of Sample:	Water		
Work Order No. & Date:	Telephonic Order		
Mode of Collection of Sample:	Sampling By Laboratory		
Packing, Marking, Seal & Identity:	Plastic Bottle & Sterilized Glass Bottle Marked '01'		
Quantity:	2litre + 250ml		
Sampling Location:	After Filtration + UV		
Date Of Sampling:	17.07.2017		
Sampling Protocol:	IS: 3025-(P-1)-1987-R-1998 Amdt-1		
Date of Receipt of Sample:	17.07.2017		
Date of Reporting:	22.07.2017		
Testing Protocol:	IS: 10500-2012		
Remarks & Observation:	Colorless liquid.		

S.No	Test Parameters	Units	Results	Requirements		Test Method
				Acceptable Limits	In Absence of Alternate Source	
1.	Colour	Hazen units	< 5	5	15	APHA-22nd Ed 2012-2120 B
2.	Odour	--	Agreeable	Agreeable	Agreeable	IS3025 (P-5)1983 RA 2002
3.	Taste	--	Agreeable	Agreeable	Agreeable	IS 3025 (P-7/8)1984 RA 2006
4.	Turbidity	NTU	<0.1	1	5	APHA-22nd Ed 2012- 2130B
5.	pH	--	7.26	6.5 to 8.5	No relaxation	APHA-22nd Ed 2012 -4500 B
6.	Total Dissolved Solids	mg/L	238	500	2000	APHA-22nd Ed 2012- 2540C
7.	Total Hardness (asCaCO <sub>3</sub> )	mg/l	190	200	600	APHA-22nd Ed 2012-2340C
8.	Iron (as Fe)	mg/l	0.12	0.3	No relaxation	APHA-22nd Ed 2012-3500 Fe B
9.	Chlorides (as Cl)	mg/l	14	250	1000	APHA-22nd Ed 2012- 4500 B
10.	Alkalinity as CaCO <sub>3</sub>	mg/l	150	200	600	APHA-22nd Ed 2012- 2320 B
11.	Sulphate as SO <sub>4</sub>	mg/l	20	200	400	APHA-22nd Ed 2012- 4500E
12.	Nitrate as NO <sub>3</sub>	mg/l	1.5	45	No relaxation	APHA-22nd Ed 2012-4500 B
13.	Calcium as Ca	mg/l	81	75	200	APHA-22nd Ed 2012-3500B
14.	Magnesium as Mg	mg/l	15	30	100	APHA-22nd Ed 2012-3500-Mg B
15.	Flouride as F	mg/l	0.4	1.0	1.5	APHA-22nd Ed 2012-4500 D
16.	Coliforms	MPN/100ml	<2*	Absent	--	IS: 1622-1981 RA 2003- 3.3.1
17.	E.Col/100ml	MPN/100ml	<2*	Absent	--	IS: 1622-1981 RA 2003- 3.3.1/3.3.4

Remarks (if any) \*<2 is minimum detection limit as per IS 1622 method and is equal to absent.

\*\*End of Report\*\*

*[Signature]*  
 Lab Incharge

For Eco Laboratories & Consultants Pvt. Ltd.  
*[Signature]*  
 Authorized Signatory

# Water Audit 2016



## Eco Laboratories & Consultants Pvt. Ltd.

Environment Due-diligence, Monitoring and Analysis Services

ISO-14001:2004 OHSAS-18001:2007 CIN : U74140PB2011PTC034739

A Government Approved/Accredited Test House



### TEST REPORT

Test Report No. EL170816RD003						Page-1/1
Customer		Principal Post Graduate College for Women Sector-42, Chandigarh				
Work Order No. & Date		Telephonic Order				
Type of Sample		Water				
Mode of Collection of Sample		Sample provided by Customer				
Date Of Sampling		--				
Sampling Location		--				
Sampling Protocol		--				
Packing, Marking, Seal & Quantity		Plastic Bottle & Glass Bottle Marked '3 <sup>rd</sup> Floor' 2litre + 250ml				
Date of Receipt of Sample		17/08/2016				
Period of Analysis		17/08/2016 to 20/08/2016				
Date of Reporting		20/08/2016				
Testing Protocol		IS 10500 (2012)				
Sample Observation		Clear colourless liquid				
S.No	Test Parameters	Units	Results	Requirements		Test Method
				Acceptable Limits	Permissible Limit In Absence of Alternate Source	
1	Total Dissolved Solids	mg/L	235	500	2000	APHA-22 <sup>nd</sup> Ed 2012- 2540C
2	Total Hardness (asCaCO <sub>3</sub> )	mg/l	152	200	600	APHA-22 <sup>nd</sup> Ed 2012-2340C
3	Coliforms	MPN/100ml	<2	Absent	--	IS: 1622-1981 RA 2003- 3.3.1
4	E.Coli/100ml	MPN/100ml	<2	Absent	--	IS: 1622-1981 RA 2003- 3.3.1/3.3.4

Remarks (if any)

\*\*End of Report\*\*

*[Signature]*  
Lab Incharge

For Eco Laboratories & Consultants Pvt. Ltd.

Authorized Signatory





# Eco Laboratories & Consultants Pvt. Ltd.

Environment Due-diligence, Monitoring and Analysis Services

ISO-14001:2004 OHSAS-18001:2007 CIN : U74140PB2011PTC034739

A Government Approved/Accredited Test House



## TEST REPORT

Test Report No. EL170816RD002						Page-1/1
Customer		Principal Post Graduate College for Women Sector-42, Chandigarh				
Work Order No. & Date		Telephonic Order				
Type of Sample		Water				
Mode of Collection of Sample		Sample provided by Customer				
Date Of Sampling		--				
Sampling Location		--				
Sampling Protocol		--				
Packing, Marking, Seal & Quantity		Plastic Bottle & Glass Bottle Marked 'Hostel' 2litre + 250ml				
Date of Receipt of Sample		17/08/2016				
Period of Analysis		17/08/2016 to 20/08/2016				
Date of Reporting		20/08/2016				
Testing Protocol		IS 10500 (2012)				
Sample Observation		Clear colourless liquid				
S.No	Test Parameters	Units	Results	Requirements		Test Method
				Acceptable Limits	Permissible Limit In Absence of Alternate Source	
1.	Colour	Hazen units	< 5	5	15	APHA-22 <sup>nd</sup> Ed 2012-2120 B
2.	Odour	--	Agreeable	Agreeable	Agreeable	IS3025 (P-5)1983 RA 2002
3	Taste	--	Agreeable	Agreeable	Agreeable	IS 3025 (P-7/8)1984 RA 2006
4	Turbidity	NTU	<0.1	1	5	APHA-22 <sup>nd</sup> Ed 2012- 2130B
5	pH	--	7.82	6.5 to 8.5	No relaxation	APHA-22 <sup>nd</sup> Ed 2012 -4500 B
6	Total Dissolved Solids	mg/L	228	500	2000	APHA-22 <sup>nd</sup> Ed 2012- 2540C
7	Total Hardness (asCaCO <sub>3</sub> )	mg/l	142	200	600	APHA-22 <sup>nd</sup> Ed 2012-2340C
8	Iron (as Fe)	mg/l	<0.1	0.3	No relaxation	APHA-22 <sup>nd</sup> Ed 2012-3500 Fe <sup>+</sup> B
9	Chlorides (as Cl)	mg/l	10	250	1000	APHA-22 <sup>nd</sup> Ed 2012- 4500 B
10	Alkalinity as CaCO <sub>3</sub>	mg/l	82	200	600	APHA-22 <sup>nd</sup> Ed 2012-2320 B
11	Sulphate as SO <sub>4</sub>	mg/l	17	200	400	APHA-22 <sup>nd</sup> Ed 2012- 4500E
12	Nitrate as NO <sub>3</sub>	mg/l	<1	45	No relaxation	APHA-22 <sup>nd</sup> Ed 2012-4500 B
13	Calcium as Ca	mg/l	34	75	200	APHA-22 <sup>nd</sup> Ed 2012-3500B
14	Magnesium as Mg	mg/l	14	30	100	APHA-22 <sup>nd</sup> Ed 2012-3500-Mg B
15	Flouride as F	mg/l	0.37	1.0	1.5	APHA-22 <sup>nd</sup> Ed 2012-4500 D
16	Coliforms	MPN/100ml	<2	Absent	--	IS: 1622-1981 RA 2003- 3.3.1
17	E.Coli/100ml	MPN/100ml	<2	Absent	--	IS: 1622-1981 RA 2003- 3.3.1/3.3.4

Remarks (if any)

\*\*End of Report\*\*

  
Lab Incharge

For Eco Laboratories & Consultants Pvt. Ltd.

Authorized Signatory



# Water Audit 2015



**Eco Laboratories & Consultants Pvt. Ltd.**  
Environment Due-diligence, Monitoring and Analysis Services

ISO-14001:2004 OHSAS-18001:2007  
CIN:U74140PB2011PTC034739

DUPLICATE COPY  
A Government Approved/ Accredited House



Certificate No. T-1775  
Certificate No. T-1951

## TEST REPORT

<b>EL-15-16/</b>	<b>Lab No.</b>	<b>EL020915NW08</b>	<b>Page-1/1</b>
<b>Customer:</b>	<b>Principal</b> <b>Post Graduate College for Women</b> Sector-42, Chandigarh		
<b>Type of Sample:</b>	Water		
<b>Work Order No. &amp; Date:</b>	Telephonic Order dated 01.09.15		
<b>Mode of Collection of Sample:</b>	Sampling By Laboratory		
<b>Packing, Marking, Seal &amp; Identity:</b>	Plastic Bottle & Sterilized Glass Bottle Marked 'T/2/01'		
<b>Quantity:</b>	2litre + 250ml		
<b>Sampling Location:</b>	From Water Cooler (After RO) (Near Staff Room)		
<b>Sampling Protocol:</b>	IS: 3025-(P-1)-1987-R-1998 Amdt-1		
<b>Date Of Sampling:</b>	02.09.15		
<b>Sampling Team:</b>	<b>Lab Representative:</b> Mr.Nitin & Team <b>Customer Representative:</b> Mr. Harish Kumar		
<b>Date of Receipt of Sample:</b>	02.09.15		
<b>Date of Reporting:</b>	08.09.15		
<b>Testing Protocol:</b>	IS: 10500-2012		
<b>Remarks &amp; Observation:</b>	Clear colorless liquid.		

S.No	Test Parameters	Units	Results	Requirements		Test Method
				Desirable Limits	In Absence of Alternate Source	
1.	Colour	Hazen units	< 5	Max 5	Max 15	APHA-22nd Ed 2012-2120 B Visual Comparison (Pt Cobalt) Method
2.	Odour	--	Agreeable	Agreeable	Agreeable	IS3025 (P-5)1983 RA 1996
3.	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (P-7/8)1984 RA 1996
4.	Turbidity	NTU	0.4	Max 1	Max 5	APHA-22nd Ed 2012- 2130B Nephelometric Method
5.	pH	-	7.74	6.5 to 8.5	No relaxation	APHA-22nd Ed 2012 -4500 B
6.	Total Hardness (asCaCO <sub>3</sub> )	mg/l	100.65	Max 200	Max 600	APHA-22nd Ed 2012-2340C EDTA Method
7.	Iron (as Fe)	mg/l	0.11	Max 0.3	No relaxation	APHA-22nd Ed 2012-3500 Fe B
8.	Chlorides (as Cl)	mg/l	7.65	Max 250	Max 1000	APHA-22nd Ed 2012- 4500 B Argentometric Method
9.	Coliforms	MPN/100ml	Absent	Absent	--	IS: 1622-1981 RA 2003- 3.3.1 Multiple tube Dilution Test
10	E.Coli/100ml	--	Absent	Absent	--	IS: 1622-1981 RA 2003- 3.3.1/3.3.4 Multiple tube Dilution Test

Technical Manager III/IV

E-207,  
1st Floor,  
Vill-B, (Sec-74),  
Mohali (Punjab)  
Eco Laboratories & Consultants Pvt. Ltd.  
Technical Manager I/II

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071 TeleFax: 0172-4616225 M: 9781303109  
consulteco@yahoo.com ecolab@ecoparyavaran.org www.ecoparyavaran.org

DUPLICATE COPY  
SAMPLE CODE: EL020915NW08

ANNEXURE-1





**Eco Laboratories & Consultants Pvt. Ltd.**

CIN : U74140PB2011PTC034739

Dated: 31/01/2022

**CERTIFICATION FOR GREEN AUDIT**

This is to certify that Eco Laboratories and Consultants (NABET, NABL and MoEF&CC approved for environmental management and testing services) has under taken Green Audit for Govt. PG College for Girls, Chandigarh in December 2021.

This green audit includes the enrollment of Functional Area Experts (NABET approved), testing laboratory (NABL and MoEF&CC accredited) and high end instrument/ equipment/ software (USEPA/TUV/CPCB certified).

We are thankful to the management and the principal of Institute for entrusting process of Green auditing with us.

  
**Dr. Sandeep Garg**  
**(Managing Director)**

Contact: +91-9814003103

Email: md@ecoparyavaran.org

www.ecoparyavaran.org

