

# Environment Audit Report



**2023-24**

**Chotanagpur Law College, Ranchi**



***By the virtue of Notification No. CNL/P/G/155(B)/24, dated on 20/07/2024***

**Date of Audit : 25-26 July, 2024**

**Abhinav Gram Foundation -Eco Services**  
**265-C, Road No. -1, Ashoknagar, Ranchi-834002**  
**E-mail: [abhinavgram.jhar@gmail.com](mailto:abhinavgram.jhar@gmail.com), Mob. 6200132344**





# CHOTANAGPUR LAW COLLEGE

(A NAAC Accredited Institution)

Nyay Vihar Campus, Namkum, Ranchi - 834010 (Jharkhand)

City Office : Upper Bazar, Ranchi - 834001 (Jharkhand)

Affiliated to : Bar Council of India, New Delhi ❖ Ranchi University, Ranchi

CNL/P/G/155(B)/24

Date:20.07.2024

## NOTIFICATION

In exercise of the power vested in the Governing Body under the provisions of the Jharkhand State Universities Act 2000, Statute (32) as amended up to date, the Governing Body has been pleased to constitute the committee for Environment Audit of the college campus for 2023-2024. Green audit is defined as an official examination of the effects a college has on the environment. As a part of such practice, internal environmental audit (Green Audit) is conducted to evaluate the actual scenario at the campus.

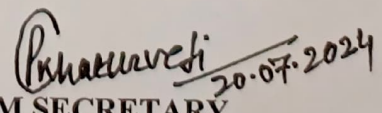
Members of the Environment Audit of the college campus for 2023-2024 are as follows:

- |   |                      |
|---|----------------------|
| 1. Mr. R.P.Singh, IFS (Rtd.)<br>Founder & C.E.O,<br>Abhinav Gram Foundation<br>S-1, Indumati Apartment, North Office Para<br>Doranda, Ranchi-834002 (Jharkhand) | Chairman             |
| 2. Nominated by Chairman  | Member (Independent) |
| 3. Nominated by Chairman  | Member (Independent) |
| 4. Nominated by Chairman  | Member (Independent) |
| 5. Dr. Gandhi Anand Bilung<br>Sr. Faculty, CNLC, Ranchi.  | Secretary            |

Secretary will be acting as a felicitator to the firm conducting Audit.

Further, it is directed to complete the aforesaid Audit and submit the report within 15 days from the date of notification.

The consolidated above said Audit Fee of Rs. 50,000/- will be paid to Environment Auditor after submission of Report and bill.

  
PRINCIPAL CUM SECRETARY  
CHOTANAGPUR LAW COLLEGE  
RANCHI

Copy to: Persons concerned.





# CERTIFICATE OF ENVIRONMENT AUDIT

THIS IS TO CERTIFY THAT CHOTANAGPUR LAW COLLEGE, RANCHI  
LOCATED AT , NYAY VIHAR CAMPUS, BARGAWAN, NAMKUM, RANCHI-  
834010(JHARKHAND) HAS SUCCESSFULLY UNDERGONE AN ENVIRONMENT  
AUDIT FOR THE ACADEMIC YEAR 2023-24. THE AUDIT WAS CONDUCTED  
IN ACCORDANCE WITH ESTABLISHED ENVIRONMENTAL STANDARDS AND  
PROTOCOLS TO EVALUATE THE COLLEGE'S COMMITMENT TO  
SUSTAINABILITY AND ENVIRONMENTAL MANAGEMENT PRACTICES.

  
**Mr Ram Pratap Singh (Rtd)**  
FOR ABHINAV GRAM FOUNDATION GECO SERVICES



## CONTENTS

Index	Page
1. ACKNOWLEDGEMENT	2
2. DISCLAIMER	3
3. CONTEXT	4
4. CONCEPT	5
5. INTRODUCTION	6
6. OVERVIEW OF INSTITUTION	8
7. AUDIT OBJECTIVE AND SCOPE	10
8. AUDIT PARTICIPANTS	11
9. EXECUTIVE SUMMARY	12
10. AREA OF IMPROVEMENT	13
11. ENVIRONMENT AUDIT – QUESTIONNAIRE	15
11.1 WASTE MINIMIZATION AND RECYCLING	
11.2 GREENING	
11.3 ENERGY CONSERVATION	
11.4 WATER CONSERVATION	
11.5 CLEAN AIR	
11.6 ANIMAL WELFARE	
11.7 ENVIRONMENTAL LEGISLATIVE	
11.8 GENERAL PRACTICE	
12. BEST PRACTICES FOR ENVIRONMENT	25
13. RECOMMENDATION	26
14. CONCLUSION	28
15. REFERENCE	30
16. ANNEXURES – PHOTOGRAPHS OF ENVIRONMENTAL CONSCIOUSNESS	31



## **1. ACKNOWLEDGEMENT**

The Abhinav Gram Foundation – Eco Services Environment Audit team extends its heartfelt gratitude to the management of Chotanagpur Law College, Ranchi, for entrusting us with the significant responsibility of conducting the Environment/Green Audit. This opportunity allowed us to assess and contribute to the institution's efforts toward sustainability and environmental stewardship.

We deeply appreciate the unwavering support, cooperation, and courtesy extended by the college management, faculty, and staff, which greatly facilitated the successful completion of this study.

We would like to express our special thanks to the following individuals for their invaluable contributions and guidance throughout this audit process:

1. **Prof. (Dr.) Pankaj Kumar Chaturvedi** – Principal of the college, for his visionary leadership and commitment to sustainable practices.
2. **Dr. Sakshi Pathak** – IQAC Coordinator (Assistant Professor), for her meticulous coordination and support during the audit process.
3. **Dr. G.A. Bilung** – IQAC Member and Environmental Expert (Assistant Professor), for his expert insights and valuable recommendations.
4. **Dr. Nandita Adhikari** – IQAC Member (Assistant Professor), for her active involvement and assistance in various aspects of the audit.
5. **Dr. Lalsa Mohini** – IQAC Member (Assistant Professor), for her dedication and support in facilitating the audit process.
6. **Mr. V.N. Choudhary** – IQAC Member (Administrative & Technical), for his technical expertise and administrative support.
7. **Supporting Staff of the College**, for their proactive assistance and cooperation throughout the study.

We also extend our gratitude to all other staff members and individuals who actively participated in providing essential data, insights, and assistance during fieldwork. Their efforts and enthusiasm were instrumental in ensuring the accuracy and thoroughness of this audit.

The Abhinav Gram Foundation – Eco Services Environment Audit team looks forward to continued collaboration with Chotanagpur Law College in promoting sustainability and environmental responsibility. Together, we can build a greener, cleaner, and more sustainable future.





## 2. DISCLAIMER

The Abhinav Gram Foundation (AGF) Eco-Services Green Audit/Environment Audit team has prepared this report for Chotanagpur Law College (CNLC) based on input data provided by the competent authority of the college, complemented by the expert team's best judgment and analytical capabilities.

It is important to note that the conclusions presented in this report are based on the best available estimates. No representation, warranty, or undertaking—express or implied—is made, nor does the audit team accept responsibility for any direct or consequential loss resulting from the use of information, statements, or forecasts contained in this report.

If CNLC intends to distribute copies of this report outside its organization, all pages must be included in their entirety to maintain the context and integrity of the content.

AGF Eco-Services, its staff, and agents are committed to maintaining the confidentiality of information related to your organization. Such information will not be disclosed to any third party, except for information already in the public domain, as required by law, or for compliance with relevant accreditation bodies. All AGF Eco-Services staff, agents, and accreditation bodies are bound by individual confidentiality agreements and will only access sensitive information on a strict “need-to-know” basis.

Reported by: **Mr Ram Pratap Singh (Rtd)**  
FOR ABHINAV GRAM FOUNDATION ECO-SERVICES



### **3. CONTEXT**

- We are committed as a component of Corporate Social Responsibility of the Higher Educational Institutions to ascertain that they contribute towards the minimization of ecumenical warming through Carbon Footprint abbreviation measures.
- CNLC Management decided to conduct an external Green Evaluation by a professional Green Auditor along with a Green Audit Assessment Team headed by Principal, Prof. (Dr.) P.K. Chaturvedi, Chotanagpur Law College, Ranchi.
- Green Audit or Environment Audit focuses on the Green Campus, Waste Management, Water Management, Air Pollution, Energy Management & Carbon Footprint etc. being implemented by the College Management. The concept, structure, objectives, methodology, tools of analysis, objectives of the audit are mentioned below.



#### **4. CONCEPT**

The term 'Environmental audit' or 'Green audit' means differently to different people. Terms like 'assessment', 'survey' and 'review' are also used to describe similar activities. Furthermore, some organizations/Institutions believe that an 'environmental audit' addresses only environmental matters, whereas others use the term to mean an audit of health, safety and environment-related matters. Although there is no universal definition of Green Audit, many leading companies/institutions follow the basic philosophy and approach summarized by the broad definition adopted by the International Chambers of Commerce (ICC) in its publication of Environmental Auditing (1989).

The ICC defines Environmental Auditing as:

*"A management tool comprising a systematic, documented, periodic and objective evaluation of how well environmental organization, management and equipment are performing with the aim of safeguarding the environment and natural resources in its operations/projects."*

The outcome of Green Audit should be established with concrete evidence that the measures undertaken and facilities in the institution under green auditing.





## 5. INTRODUCTION

The growth and progress of any nation are deeply rooted in its educational institutions, where the seeds of ecological awareness are sown as a foundation for sustainable development. In recent years, educational institutions have increasingly embraced environmental responsibility, introducing innovative initiatives to promote eco-friendly practices and address pressing environmental challenges. Strategies such as energy conservation, waste recycling, water use reduction, and rainwater harvesting have become integral to campus sustainability efforts. However, it is essential to acknowledge that the activities of educational institutions can also inadvertently result in adverse environmental impacts, highlighting the need for robust environmental management frameworks.

### **Green Auditing: A Vital Tool for Environmental Management**

Environmental auditing is a structured and systematic process that evaluates an organization's environmental performance against its stated policies and objectives. Within this context, a **Green Audit** serves as a specialized evaluation of a college's environmental impact, providing critical insights into its ecological footprint and identifying opportunities for improvement. Internal environmental audits, as part of this practice, enable institutions to assess the current environmental scenario on campus and implement strategies for a greener future.

Green audits are invaluable tools for educational institutions, offering several key benefits:

- **Resource Optimization:** By assessing the consumption of energy, water, and other resources, institutions can implement changes to improve efficiency, reduce wastage, and achieve cost savings.
- **Waste Management:** Green audits provide insights into the type and quantity of waste generated, creating opportunities for recycling projects, composting, and the development of effective waste minimization plans.
- **Sustainability Awareness:** Beyond operational benefits, green audits foster a culture of environmental consciousness, instilling ethical values and promoting a deeper understanding of environmental impacts among students, staff, and faculty.

### **Financial and Ethical Benefits of Green Audits**

The implementation of green audits not only contributes to environmental sustainability but also offers significant financial advantages. By reducing resource consumption and minimizing waste, institutions



can achieve substantial cost savings. Additionally, green audits promote a sense of ownership and social responsibility among students and faculty, reinforcing the institution's commitment to a sustainable future.

As the global focus on environmental sustainability intensifies, the role of higher education institutions in championing sustainable practices becomes increasingly critical. A clean, green, and healthy campus environment enhances the quality of education, fosters a conducive atmosphere for learning, and sets an example for the broader community.

### **Adapting Environmental Management Systems to Indian Institutions**

Environmental Management Systems (EMS) are widely recognized in industrial sectors as frameworks for managing environmental impacts. However, there is a common misconception that EMS is exclusively applicable to industries. Globally, many educational institutions have voluntarily adopted EMS or obtained external certifications to align with sustainability standards.

In India, international environmental standards often do not account for the unique characteristics of educational institutions. Recognizing this gap, the **EHS Alliance** has developed a locally-adapted and simplified environmental management framework tailored specifically to the needs of Indian institutions.

This indigenized system is designed to monitor the environmental performance of educational institutions through a user-friendly and voluntary approach. By addressing India-specific environmental concerns without overemphasizing legal compliance, this system provides a practical and effective solution for promoting sustainability in educational settings.

### **Empowering Institutions to Lead by Example**

The EHS Alliance framework empowers educational institutions to set positive environmental examples for the community while educating young learners about sustainability. Adaptable to both urban and rural contexts, this innovative system encourages institutions to play a pivotal role in fostering environmental awareness and contributing to a sustainable future.

By embracing green audits and implementing tailored environmental management systems, educational institutions can position themselves as leaders in sustainability. These efforts not only benefit the campus community but also inspire broader societal change, paving the way for a cleaner, greener, and more sustainable world.



## **6. OVERVIEW OF INSTITUTION**

Chotanagpur Law College, Ranchi was established in the year 1954 by the great visionary of his time late Barrister S.K. Sahay who with his foresightedness envisioned an institution which would bring positive and dynamic changes in the tribally populated and economically poor regions of Eastern India and thereby bring stability, education, development and employment in their lives. It is one of the oldest and prime institution imparting Legal education in Jharkhand. The college was initially governed by BSUA (Bihar State Universities Act) and now since the formation of Jharkhand state in the year 2000, it is governed by Jharkhand State Universities Act, Statute no. 32. The Statute no. 32 constitutes the governing body of the college which comprises of a chairperson and six members each one from executive body, legislative body, ex-officio principal, teachers' representative, University representative, a donor member and a prominent educationist of the state.

The college is permanently affiliated body of Ranchi University, Ranchi and is also affiliated to BCI, New Delhi. The college offers three-year (Semester system) L.L.B Program and a two-year Semester system LL.M (P.G. in law) program. The college follows the curriculum designed by the university which is in accordance with the Bar Council of India for legal education. The college offers 26 subjects in six semesters.

The college has safe, secure, lush green and environment friendly campus just at the scenic outskirts of Ranchi in a wide area of 4 acres. The college has a well-equipped digital friendly campus to undertake research, teaching and learning. The college runs on semester system and it lays great emphasis on academic as well as practical exposure to the budding young law professionals.



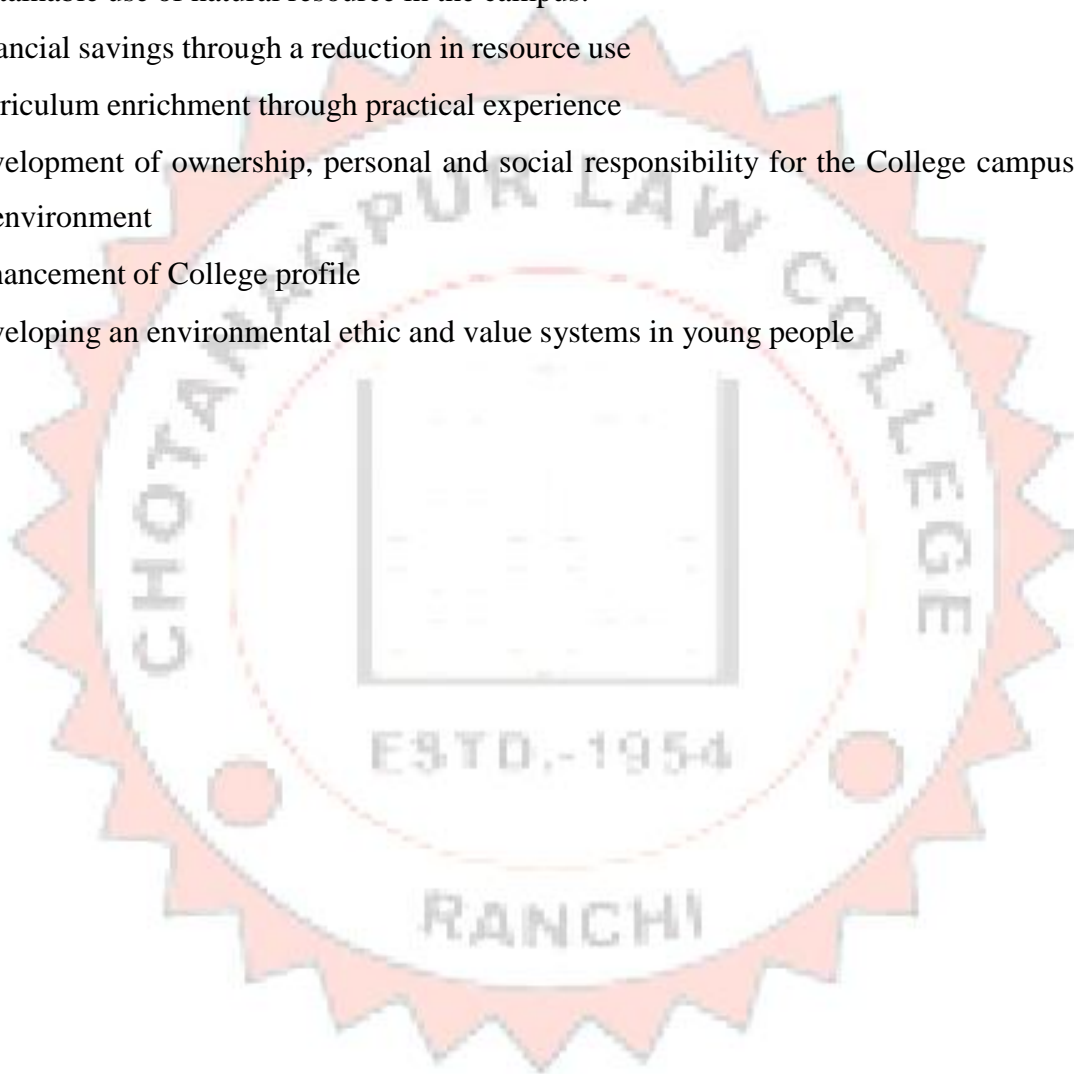




## **7. OBJECTIVES AND SCOPE**

The broad aims/benefits of the eco-auditing system would be:-

- Environmental education through systematic environmental management approach
- Improving environmental standards
- Benchmarking for environmental protection initiatives
- Sustainable use of natural resource in the campus.
- Financial savings through a reduction in resource use
- Curriculum enrichment through practical experience
- Development of ownership, personal and social responsibility for the College campus and its environment
- Enhancement of College profile
- Developing an environmental ethic and value systems in young people



## 8. AUDIT PARTICIPANTS

On behalf of the Chotanagpur Law College, Ranchi.

Name	Position/Department
Dr. P.K. Chaturvedi	Dean cum Principal, Faculty of Law, Ranchi University, Ranchi, CNLC, Ranchi.
Dr. Sakshi Pathak	Coordinator, IQAC & Assistant Professor of Law
Dr. Nandita Adhikari	Assistant Professor of Law
Dr. G.A. Bilung	Assistant Professor of Law
Dr. Lalsa Mohini	Assistant Professor of Law
Mr. V.N. Choudhary	Librarian cum In charge Accounts Section

On behalf of AGF Eco- Services:

Name	Position	Qualification
Mr. Ram Pratap Singh	Lead Auditor	IFS (Rtd.), M. Sc (P.U), AIFC
Er. Pramod Kumar	Co- Auditor	B. Tech, MBA (IIT)
Er. Dilip Srivastava	Co-Auditor	B. Tech, FIE, PHF





## **9. EXECUTIVE SUMMARY**

An environmental audit is a snapshot in time, in which one assesses campus performance in complying with applicable environmental laws and regulations. Though a helpful benchmark, the audit almost immediately becomes outdated unless there is some mechanism in place to continue the effort of monitoring environmental compliance.

CNLC already done internal green assessment and annual reports published for continual improvements; QS Programme and doing their bid towards environmental protection and environmental awareness at local and global front. Audit criterion is environmental cognizance, waste minimization and management, biodiversity conservation, water conservation, energy conservation and environmental legislative compliance by the campus. A questionnaire is used during audit. This audit report contains observations and recommendations for improvement of environmental consciousness.



## 10. AREAS OF IMPROVEMENT

- **Adopt a Comprehensive Environmental Policy:** The college should develop and adopt a well-defined environmental policy that serves as a guiding framework for sustainable practices. This policy should outline the institution's commitment to reducing its ecological footprint, conserving resources, and fostering environmental awareness among students and staff.
- **Ensure Compliance with DG Set Regulations:** The stack height of diesel generator (DG) sets must comply with the applicable DG Rules to reduce air pollution and ensure proper dispersion of emissions. Periodic inspections should be conducted to verify compliance and optimize performance.
- **Develop an Internal Environmental Inspection System:** A robust internal inspection system should be established to monitor and evaluate various environmental aspects within the campus, such as energy consumption, waste disposal, water usage, and biodiversity conservation. Regular inspections will help identify areas for improvement and ensure adherence to environmental policies.
- **Create a Comprehensive Waste Management Plan:** The college should develop a detailed waste management plan that includes strategies for reducing, reusing, and recycling waste. Segregation of waste at the source, proper disposal mechanisms, and collaboration with local waste management services should be integral components of the plan.
- **Promote Environmental Awareness through Visual Campaigns:** Environment awareness posters, charts, and informational materials should be prominently displayed in key areas of the campus, such as classrooms, common areas, and cafeterias. These materials should highlight the importance of sustainability, resource conservation, and eco-friendly practices, inspiring students and staff to contribute to environmental protection.
- **Expand Rainwater Harvesting Structures:** To enhance water conservation efforts, the college should construct additional rainwater harvesting structures across the campus. These systems will help recharge groundwater levels, reduce dependency on external water sources, and promote sustainable water management practices.
- **Incorporate Environmental Education:** Environmental education and sustainability practices should be integrated into the academic curriculum and extracurricular activities. Workshops, seminars, and awareness drives focusing on topics like climate change, biodiversity conservation, and waste management should be organized to engage students and staff actively.
- **Enhance Green Spaces and Biodiversity:** The college should work toward increasing green cover on the campus by planting native tree species, creating herbal gardens, and maintaining



biodiversity zones. This initiative will not only enhance the aesthetic appeal of the campus but also contribute to carbon sequestration and a healthier environment.

- **Establish a Sustainability Committee:** A dedicated sustainability committee should be formed, comprising students, faculty, and administrative staff, to oversee the implementation of environmental policies, monitor progress, and propose new initiatives.





## **11. ENVIROMENTAL AUDIT – QUESTIONNAIRE**

The areas of eco/environmental/green auditing to be followed/practiced by participating institutions:

11.1.1 Waste Minimization and Recycling

11.1.2 Greening

11.1.3 Energy Conservation

11.1.4 Water Conservation

11.1.5 Clean Air

11.1.6 Animal Welfare

11.1.7 Environmental Legislative

11.1.8 General Practices

### **Does any Environmental Audit conducted earlier?**

The college has conducted the internal Green Audit under the NSS Eco Club of CNLC. The Annual reports records reviewed during the audit, Main focus of this is to bring awareness of environmental values in students and society. Now, the external audit for environment is awarded to AGF Eco – Services for a systematic way of monitoring the environmental eminence initiative, taken by College for environment protection.

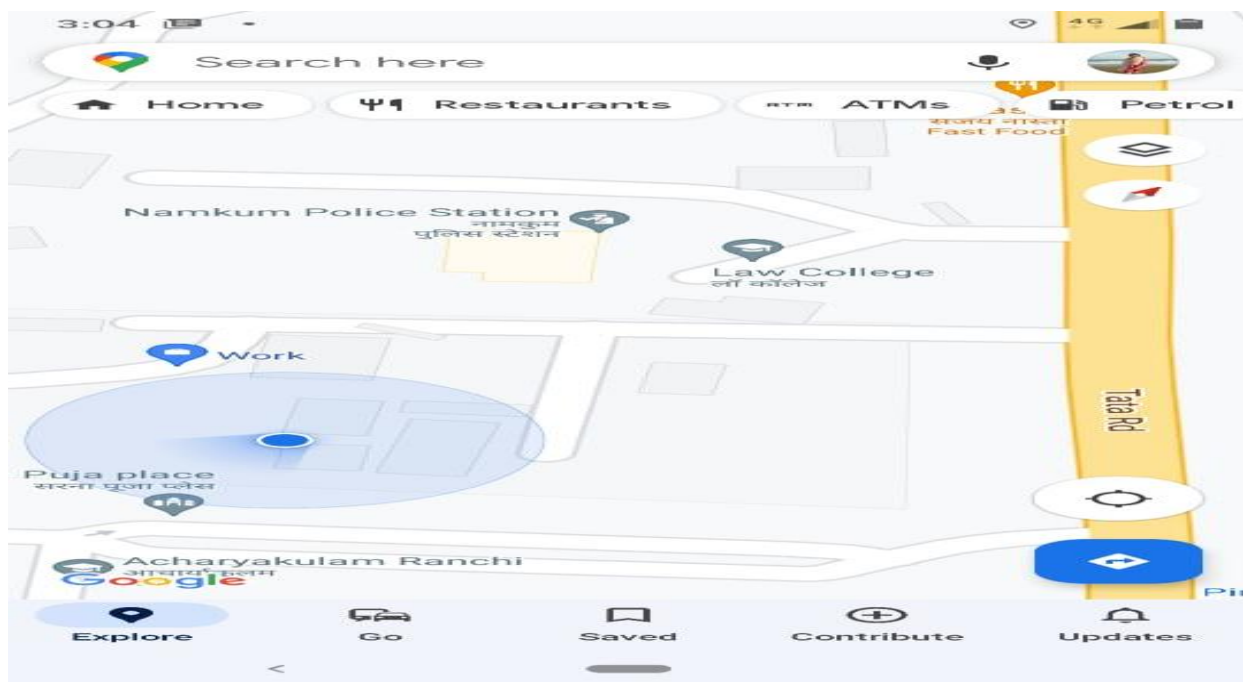
### **What is the total permanent population of the Institute?**

	Male	Female	Total
<b>Students</b>	389	266	<b>655</b>
<b>Teachers</b>	6	7	<b>13</b>
<b>Non-Teaching Staff</b>	14	2	<b>16</b>
<b>Sub Total</b>	409	275	<b>684</b>
<b>Approximate Number of Visitors (Per day)</b>			<b>12</b>
<b>What is the total number of working days of your campus in a year?</b>			<b>240</b>



### Where is the campus located?

The campus is Located in Namkum block, District – Ranchi, Jharkhand.



### Which of the following are available in your institute?

1 Garden area	Available
2 Play ground	Available
3 Kitchen	Available (Pantry)
4 Toilets	Available
5 Garbage Or Waste Store Yard	Available
6 Laboratory	Not Applicable
7 Canteen	Available
8 Hostel Facility (numbers)	Not Available
9 Guest House	Not Available



Which of the following are found near your institute?

1	Municipal dump yard	750m from the institute
2	Garbage heap	No Garbage heaps
3	Public convenience	Yes
4	Sewer line	Not Available
5	Stagnant water	No stagnation of water
6	Open drainage	No
7	Industry – (Mention the type)	No
8	Bus / Railway station	Namkum Station- 5.3 km Khadgarha Bus Stand – 7.4 km
9	Public halls	Yes

### 11.1 WASTE MINIMIZATION AND RECYCLING

1.	Does your institute generate anywaste? If so, what are they?	Yes, Solid waste, Canteen waste, paper waste, plastic waste, toiletry waste, Horticulture waste, etc.			
2.	What is the approximate amount of waste generated per day? (in Kilograms/month) (approx.)	Bio Degradable	Non-Biodegradable	Hazardous	others
		300kg	5kg	0	<5kg
3.	How is the waste generated in the institute managed? By 1 Composting 2 Recycling 3 Reusing 4 Others (specify)	<ul style="list-style-type: none"> <li>2 composting pits are there in campus.</li> <li>Reuse of one side printed paper for internal communication.</li> <li>Sewage water is discharged to soak pits.</li> <li>Domestic Waste is given to Municipal Corporation.</li> <li>Two types of Waste bins are provided at campus for biodegradable and non-biodegradable waste.</li> <li>Horticulture waste is converted into organic manure in the campus which is reused in the garden itself.</li> </ul>			





4.	Do you use recycled paper in institute?	Yes, in academic works
5.	Do you use reused paper in institute?	Yes
6.	How would you spread the message of recycling to others in the community? Have you taken any initiatives? If yes, please specify.	Yes, NSS Eco club carries out numerous ecological activities. Recycling campaigns, Anti- plastic campaigns, Varsha Vriksharopan (Go Green Week Drive), Swachta Diwas on 2 <sup>nd</sup> Oct every year. And other sustainable goal awareness programme.
7.	Can you achieve zero garbage in your institute? If yes, how?	Yes, as per new waste management rules all kind of waste is managed in an adequate manner without any deviation.

## 11.2 GREENING THE CAMPUS

8.	Is there a garden in your institute?	Yes, about 2 Acre is the dedicated garden area. And about 1 Acre open green area.	
9.	Do students spend time in the garden?	Yes 30-60 mins during day time.	
10.	Total number of Plants in Campus	Plant type	Approx. number
		Trees	More than 350
		Shrubs	More than 1000
		Rose Garden	More than 400
		Grass Cover	2 Acre
11.	Suggest plants for your campus. (Trees, vegetables, herbs, etc.)	Ashoka, Ficus Religeosa, Boganvella, Alovera, Azadirachta indica, and many more as per geographical regime.	
12.	Is the College campus have any Horticulture Department	Yes, we have park and garden wing under NSS Eco club	
	Number of Staff working in Horticulture Department	Two Gardeners	
13.	Number of Tree Plantation Drives organized by College per annum. (If Any)	Yes, Go Green Week Drive are Organized Annually. 10+ trees and 4000 and more seasonal shrubs planted in this financial year.	
14.	Number of Trees Planted in Last FY.	35	



	Survival Rate	75%
15.	Plant Distribution Program for Students and Community	Yes, we distribute plant to the visiting guest and faculties on different official program.
16	Plant Ownership Program	No

### 11.3 ENERGY

17.	List few ways that you use energy in your institute. (Electricity, LPG, firewood, others). Using this list, try to think of ways that you could use less energy every day.	Electricity is saved by use of LED bulbs for illumination. LPG is saved by use of Pressure cookers for cooking food. Alternate source of energy i.e. Solar Panel Installed.
18.	Is there any energy saving methods employed in your institute? If yes, please specify. If no, suggest some	Yes, Renewable source of energy through solar plant is in process of installation. This saved energy shall be for domestic use and street light.  Since the college is Green building Natural Lights and Natural Ventilation are promoted.
19.	How many CFL/LED bulbs has your institute installed?	90 % of Total Conventional bulbs are replaced by LED Lights.
20.	Are any alternative energy sources employed / installed in your institute? (photovoltaic cells for solar energy, windmill, energy efficient stoves, etc.,) Specify.	Yes, in pipe line.
21.	Do you run “switch off” drills at institute?	Yes, we encourage this habit among students and staffs.
22.	Are your computers and other equipment’s put-on power-saving mode?	Yes, we do it.
23.	Does your machinery (TV, AC, Computer, weighing balance, printers, etc.) run on standby modes most of the time? If yes, how many hours?	No



**11.4 WATER CONSERVATION**

24.	List uses of water in your institute	Basic usage of water in campus are; Drinking, Gardening, Kitchen & Toilets, and Others.
25.	How does your institute store water? Are there any water saving techniques followed in your institute?	Underground Water tank installed for storage of water.  Avoid overflow of water through controlled valves and water saving taps are provided in water supply system.
26.	If there is water wastage, specify why and How can the wastage be prevented / stopped?	No
27.	Locate the point of entry of water and point of exit of waste water in your institute.	Entry- Through intake well Exit- For drain water in soak pits and rain water by rain water conservation
28.	Write down few ways that could reduce the amount of water used in your institute	By Following ways:  1. RWH, Close the taps after usage  2. Maintenance and monitoring of valves in supply system to avoid overflow, leakage and spillage  3. Water Conservation awareness is promoted among students, staffs and faculty members.
29.	Record water use from the institute water meter for six months (record at the same time of each day). At the end of the period, compile a table to show how many litres of water have been used.	In process of installing water meter.
30.	Does your institute harvest rain water?	Presently we have 2 RWH and we will be adding more in coming year.





<b>31.</b>	Is there any water recycling System?	Yes, RO waste water is stored in buckets for cleaning and indoor plants
------------	--------------------------------------	---

### 11.5 CLEAN AIR

<b>32</b>	<b>Are the Rooms in Campus are Well Ventilated?</b>	<b>Yes</b>				
<b>33</b>	Window Floor ratio of the Rooms	<b>Very Good</b>				
<b>34</b>	Provide details of college-owned motorized vehicles?	Buses	Cars	Vans	Other	Total
	No. of vehicles	-----	--	--	--	--
	No. of vehicles more than five years old	--	--	--	--	--
	No. of Air conditioned vehicles	--	--	--	--	---
	PUC done	--	--	--	--	--
<b>35</b>	Specify the type of fuel used by your college vehicles:	Total				
	Diesel	--				
	Petrol	--				
	CNG	--				
	LPG	--				
	Electric	--				
<b>36</b>	Air Quality Monitoring Program (If Any)	No monitoring is being done				
<b>37</b>	Students/staff suffer from respiratory ailments? (If Any)	No				
<b>38</b>	Details of Genset	2 Gensets  1. 10KVA Kariloskar water cooling system, Engine No:D91008.02/1600342  2. 25 KVAJACSON JSP -25				

### 11.6 ANIMAL WELFARE



39	List the animals (wild and domestic) found on the campus (dogs, cats, squirrels, birds, insects, etc.)	More than 20-25 Squirrels are found in the campus, Approx., 2 cats 11 hens and others including garden lizard, butterflies, insects, bees, earthworms, snakes rats etc. are there in campus.
40	How many dogs in your area have undergone Animal Birth Control - Anti Rabies (ABC - AR)?	This aspect is being taken care by NSS Eco Club
41	Does your institute have a Biodiversity Programme or a KARUNA CLUB?	Linked with ECO Club

### **11.7 ENVIRONMENTAL LEGISLATIVE COMPLIANCE**

42	Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes  In LL.B. Environmental law is compulsory subject under the course curriculum.  In LL.M it is an optional subject in specialization.
43	Does your institute have any rules to protect the environment? List possible rules you could include.	They have banned single use plastic. Their environment policy includes-Awareness, Environmental conservation efforts through NSS- Eco Club and Department of Environmental Sciences. All UG and PG students are studying environmental law under prescribed syllabus.
44	Does Environmental Ambient Air Quality Monitoring conducted by the Institute?	NA
45	Does Water and Wastewater Quality monitoring conducted by the Institute?	No
46	Does stack monitoring of DG sets conducted by the Institute?	Yes
47	Is any warning notice, letter issued by state government bodies?	No



<b>48</b>	Does any Hazardous waste generated by the Institute?	No
<b>49</b>	Does any Bio medical waste generated by the Institute? If yes explain its category and disposal method	No

**11.8 GENERAL**

<b>50</b>	Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes
<b>51</b>	Does your institute have any rules to protect the environment? List possible rules you could include.	Yes, there are some rules like e banned single use plastic. Their Environmental Policy includes awareness and environmental conservation.
<b>52</b>	Does housekeeping schedule in your campus?	Yes, Swatch Diwas movement and Go Green Drive.
<b>53</b>	Are students and faculties aware of environmental cleanliness ways? If Yes Explain	Yes, Periodically pollution reduction,plantation, energy conservation awareness campaigns carried out by institute
<b>54</b>	Does Important Days Like World Environment Day, Earth Day, and Ozone Dayetc. eminent in Campus?	Yes
<b>55</b>	Does Institute participated in National and Local Environmental Protection Movement?	Yes, Swatch Bharat Abhiyan by students at campus.
<b>56</b>	Does Institute has any Recognition/certification for environment friendliness?	Yes
<b>57</b>	Does Institute using renewable energy?	Yes





58	Does Institution conducts a green/environmental audit of its campus?	Yes, This is first environmental audit done by the College.
59	Has the institution been audited / accredited by any other agency such as NABL, NABET, TQPM, NAAC etc.?	Yes, NAAC Grade B+



## 12. BEST PRACTICES / INITIATED FOR ENVIRONMENT

<b>A</b>	<b>Biodiversity Conservation</b> Flora and fauna conservation	They have lush green campus which provides habitat to various species. Recently conducted bird count reports Indian peafowl, Sunbird, black kite, house crow, large billed crow, eagle, vulture, common tailor bird, bulbul, Green bee eater, parrot, pigeon, bat.
<b>B</b>	<b>Tree Plantation Drives</b> One Drive Annually as well as Every Guest is honored by Tree Plantation at Campus.	Yes, periodically the plantation drives by students and staff of campus as Go Green Week.
<b>C</b>	<b>Ground Water Recharge</b> 05 units of Rain Water Harvesting System.	Yes, 100% recharge of the rain water
<b>E</b>	<b>Pollution Reduction</b> Personal Vehicles (Students) not allowed at campus	Reduction in Air Pollution through vehicular emission.
<b>F</b>	<b>E Waste Management</b> Collection of e-waste by staff	E waste is sent to the authorized recyclers for adequate disposal
<b>G</b>	<b>Solid Waste Management</b> Lifting of garbage from campus on alternate day by	Yes, different mechanisms for proper disposal and recycling of e-waste,
<b>H</b>	<b>Water Conservation</b>	Yes, water saving push taps fitted in the drinking water zone and the toilets to avoid the wastage. They are re-using RO waste water in for indoor plants and cleaning purposes.



### 13. RECOMMENDATION

- **Formulate and Communicate an Environmental Policy:** The college should develop a comprehensive environmental policy outlining its commitment to sustainability. This policy should be communicated to all faculty, staff, and students to ensure collective responsibility and participation in achieving environmental goals.
- **Conduct Regular Environmental Monitoring:** Environmental monitoring, including ambient air quality testing, stack monitoring of diesel generator (DG) sets, and water quality analysis, should be conducted at regular intervals (every six months). These activities must be carried out by laboratories approved by the Delhi State Pollution Control Committee (DSPCC) to ensure compliance with environmental standards.
- **Promote a Paperless Digital System:** To reduce paper usage and minimize environmental impact, the institution should transition to a digital system for administrative tasks, communication, and record-keeping. This initiative will not only save resources but also improve efficiency and organization.
- **Enhance Environmental Awareness Campaigns:** Increase the frequency and variety of environmental promotional activities on campus. Organize workshops, seminars, tree plantation drives, eco-clubs, and interactive sessions to spread awareness and engage students and staff in sustainability efforts.
- **Install Room Air Cleaners:** To improve indoor air quality, install energy-efficient air purifiers or room air cleaners in classrooms, staff rooms, and other enclosed spaces. This will create a healthier and more conducive learning environment while addressing concerns related to urban air pollution.
- **Minimize the Use of Personal Vehicles:** To reduce carbon emissions and promote sustainable transportation, personal vehicles should be discouraged within the campus wherever practical. Encourage the use of bicycles, walking, or carpooling as alternatives. Establish dedicated parking areas outside the main campus premises to enforce this initiative.
- **Adopt Renewable Energy Solutions:** As part of the campus's long-term sustainability plan, consider installing renewable energy systems such as solar panels to reduce dependency on non-renewable energy sources and decrease the campus's carbon footprint.
- **Encourage Green Mobility Solutions:** Introduce and promote green mobility options within the campus, such as electric shuttles or bicycles, to provide an eco-friendly and efficient mode of transport for students and staff.





- **Establish a Green Task Force:** Form a dedicated environmental task force comprising students, faculty, and staff to oversee the implementation of green initiatives, monitor progress, and recommend additional measures for campus sustainability.
- **Improve Waste Management Practices:** Implement a waste segregation system across the campus and encourage recycling initiatives. Set up composting units for organic waste to reduce landfill contributions and generate compost for landscaping purposes.



## 14. CONCLUSION

The environmental audit involved comprehensive consultations with the entire campus team, including in-depth interactions with key personnel on a wide range of issues related to environmental sustainability. The Chotanagpur Law College has demonstrated its commitment to sustainable resource management through its active Environmental Committee, which oversees eco-friendly initiatives across the campus. Notably, 75% of the campus area is dedicated to landscaping, reflecting the institution's focus on green spaces and ecological balance.

The audit identified several key observations aimed at enhancing the environmental friendliness of the campus. Specific recommendations have been provided alongside these observations to guide the campus team in implementing sustainable practices.

Overall, the audit team is pleased to report that the campus is well-maintained from an environmental perspective. While no major issues were identified, the following areas require immediate attention to ensure continued progress toward sustainability:

1. **Waste Management Records:** A structured system for maintaining monthly inventories of hazardous and non-hazardous waste should be implemented to ensure proper tracking and disposal.
2. **Rainwater Harvesting and Recharge:** The campus should expand its rainwater harvesting infrastructure and establish a monitoring system to evaluate the effectiveness of groundwater recharge efforts.
3. **Water Balance Cycle:** The water consumption and usage cycle should be periodically reviewed and balanced to identify areas for conservation and efficiency improvements.
4. **Building Maintenance and Housekeeping:** Regular inspections of campus buildings and housekeeping practices should be conducted to ensure compliance with environmental standards and enhance the overall cleanliness and sustainability of the premises.
5. **Environmental Policy Implementation:** The existing environmental policy should be periodically reviewed, updated, and actively implemented across all campus operations to align with the latest sustainability goals.



By addressing these areas and implementing the recommendations, Chotanagpur Law College can further strengthen its commitment to environmental stewardship. The audit team commends the college for its proactive approach and encourages it to continue serving as a model for sustainable practices in educational institutions. With consistent efforts, the campus can achieve even greater levels of ecological sustainability, benefiting both the institution and the broader community.



## **15. REFERENCES**

- The Environment [Protection] Act – 1986 (Amended 1991) & Rules-1986 (Amended 2010)
- The Petroleum Act: 1934 – The Petroleum Rules: 2002
- The Central Motor Vehicle Act: 1988 (Amended 2011) and The Central Motor Vehicle Rules:1989 (Amended in 2005)
- Energy Conservation Act 2010.
- The Water [Prevention & Control Of Pollution] Act – 1974 (Amended 1988) & the Water(Prevention & Control of Pollution) Rules – 1975
- The Air [Prevention & Control Of Pollution] Act – 1981 (Amended 1987) The Air(Prevention & Control of Pollution) Rules – 1982
- The Gas Cylinders Rules – 2016 (Replaces the Gas Cylinder Rules – 1981
- E-waste management rules 2016
- Electrical Act 2003 (Amended 2001) / Rules 1956 (Amended 2006)
- The Hazardous Waste (Management and Handling and Trans-boundary Movement) Rules,2008 (Amended 2016)
- The Noise Pollution Regulation & Control rules, 2000 (Amended 2010)
- The Batteries (Management and Handling) rules, 2001 (Amended 2010)
- Relevant Indian Standard Code practices
- Internal Records of the Campus





**16. ANNEXURE OF PHOTOS**





*Environmental Audit Report of Chotanagpur Law College, Ranchi*





## *Environmental Audit Report of Chotanagpur Law College, Ranchi*





*Environmental Audit Report of Chotanagpur Law College, Ranchi*

