

<b>Metrix Level Deviation :7.1.6.</b>	<ol style="list-style-type: none"><li>1. HEI is requested to provide all the required documents as per SOP for the Chosen option.</li><li>2. Please provide Any other relevant proof for the selected options.</li></ol>
<b>Response/ Clarification</b>	<ol style="list-style-type: none"><li>1. Policy Document on Environment and Energy Uses . <b>(Appendix-I).</b></li><li>2- Green Audit Report.<b>(Appendix-II)</b></li><li>3. Energy Audit Report. <b>(Appendix-III)</b></li><li>4. Environment Promotion Activities reports. <b>(Appendix-IV)</b></li></ol>



APPENDIX - I



## Policy Document on Environment and Energy Usage

(Policy for Green Campus, Energy/Waste/Water Conservation, Management and Awareness)

IMIRC College of Law Institute for Excellence in Legal Education, Hapur Uttar Pradesh promises to manage energy to minimize its ill effects on the environment. Various steps and activities are undertaken by the institute to manage Environment and Energy usage. All the stakeholders are actively involved for the success of the policy. Everyone realises their responsibilities and contribution towards the successful implementation of the policy. The Nature & Adventure Club, Green Energy Club, Faculty members and employees devote their time towards the cause of environment awareness, undertake green initiatives, conduct green literacy programmes to save energy and protect the environment.

### Following initiatives are promoted under this policy :

- 1- To assess energy usage and its impact on the environment.
- 2- To practice the 4R's that is Reduce, Reuse, Recycle and Refuse wherever it is possible.
- 3- To reduce carbon dioxide emissions generated by vehicles. Institute promotes usage of battery-operated vehicles, public transportation and use of pedestrian-friendly roads.
- 4- To install photovoltaic solar panels for the generation of alternate energy.
- 5- To install LED bulbs & sensor-based lights in the campus to save energy.
- 6- To undertake tree plantation drive.
- 7- To make practice to switch off the lights and fans while leaving the rooms.
- 8- To develop systematic waste management mechanism.
- 9- To develop rain water harvesting unit.
- 10- To maintain electrical switches and other electrical appliances on regular basis.
- 11- To take additional measures to continuously improve our energy consumption.
- 12- To ensure the availability of necessary resources to achieve the objectives.
- 13- To encourage use of advanced technology to minimize energy consumption, atmospheric emissions and noise.
14. To engage in dialogue with the government agencies and municipal corporation in the areas of environment, energy efficiency, social awareness and sustainable development.





15. To strengthen our employees' and students' environmental knowledge and skills in order to improve our own environmental performance.

16. To provide information and training opportunities on energy saving measures.

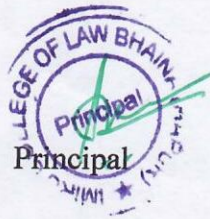
This policy will be communicated to all the students, staff and employees of the institute via internal communication channels, and will be made available to all the stakeholders on the institutional website.

The Environment and Energy Policy, objectives and targets will be reviewed on a regular basis by the Club Convener and its members under the guidance of the IQAC and the Director of the institute. All the stakeholders are required to abide by the policy to make the institute campus green, clean and sustainable



IQAC Coordinator

Policy Developed Committee Members



Principal



APPENDIX - II

# GREEN AUDIT REPORT



## IMIRC COLLEGE OF LAW

*(Affiliated by CCS University, Meerut, U.P. Approved by Bar Council of India, New Delhi.)*

**Garh Siyana Road, Bhaina Garhmukteshwar,  
Dist. Hapur (Ghaziabad) Pincode-245205 (U.P.) India**

**OCTOBER – 2024**

## ENERGY AUDIT SERVICES

**1116, SECTOR - 17**

**FARIDABAD – 121002**

**M: 09811229516**

**Email: [rbsinhaeas@gmail.com](mailto:rbsinhaeas@gmail.com)**





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*Green Audit Report – IMIRC College of Law (Bhaina)*

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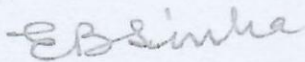
## ACKNOWLEDGEMENT

The management is very much dedicated to the cause of Energy Efficiency. Several effective steps have already been undertaken for the objectives of Energy Efficiency.

The management is keen for furthermore Energy Saving and with this objective, we have been awarded this assignment for Energy Audit.

We express our sincere thanks to the management for awarding this prestigious assignment to us. We are very much thankful to **Dr. Rajendra Singh Tomar - Director** for providing to us all the support and the best possible co-operation to carryout elaborate measurements and critical studies, related to Energy Efficiency

We express our sincere thanks to **Team**, for taking very keen interest in the Assignment and providing us, day –today coordination for conducting the Assignment.



(R. B. SINHA)

ENERGY AUDIT SERVICES



  
(RAM BIRANJAN SINHA)  
ACCREDITED ENERGY AUDITOR  
AEA-0067  
ENERGY AUDIT SERVICES, FARIDABAD





## Disclaimer

Energy Audit Services Green Audit Team has prepared this report for IMIRC College of Law, CCS University, based on input data submitted by the representatives of the College complemented with the best judgment capacity of the expert team.

While all reasonable care has been taken in its preparation, details contained in this report have been compiled in good faith based on information gathered. It is further informed that the conclusions have arrived following best estimates and no representation, warranty or undertaking, express or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report. If you wish to distribute copies of this report external to your organization, then all pages must be included.

Energy Audit Services, its staff and agents shall keep confidential all information relating to your organization and shall not disclose any such information to any third party, except that in the public domain or required by law or relevant accreditation bodies. EAS staff, agents and accreditation bodies have signed individual confidentiality undertakings and will only receive confidential information on a 'need to know' basis.

  
(RAM BIRANJAN SINHA)  
ACCREDITED ENERGY AUDITOR  
AEA-0007  
ENERGY AUDIT SERVICES FARIDABAD

**AEA - Consultant and Lead Auditor**





## **Context and Content**

The National Assessment and Accreditation Council, New Delhi (NAAC) has made it mandatory from the academic year 2016–17 onwards that all Higher Educational Institutions should submit an annual Green/Environment Audit Report. Moreover, it is part of the Corporate Social Responsibility of the Higher Educational Institutions to ensure that they contribute towards the reduction of global warming through Carbon footprint reduction measures.

In view of the NAAC circular regarding Green Auditing, the College Management decided to conduct an external Green Evaluation by a competent Auditor along with a Green Audit Assessment Team headed by Dr. R. S. Tomar – Chairman & Director, IMIRC College of Law, CCS University - Meerut. Green Audit focuses on the Green Campus, Waste Management, Water Management, Air Pollution, Energy Management & Carbon footprint etc. being implemented by the College Management. The concepts, structure, objectives, methodology, tools of analysis, objectives of the audit are discussed below.





## Introduction

A Nation's growth starts from its educational institutions, where the ecology is thought as a prime factor of development associated with the environment. Educational institutions now a day are becoming more sensitive to environmental factors and more concepts are being introduced to make them eco-friendly.

To preserve the environment within the campus, various viewpoints are applied by the several educational institutes to solve their environmental problems such as promotion of energy savings, recycle of waste water, waste water reduction, rain water harvesting etc. The activities pursued by colleges can also create a variety of adverse environmental impacts.

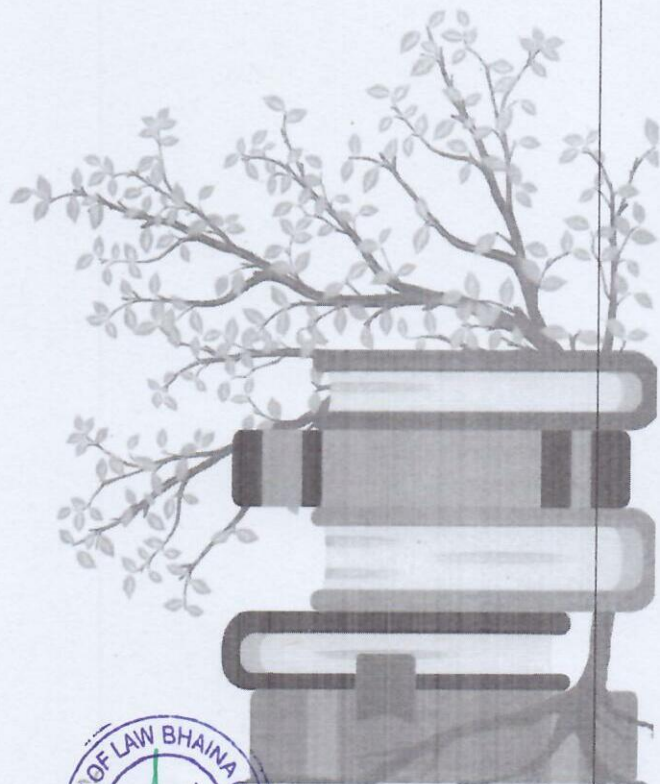
The green audit is a way to show businesses what type of carbon footprint they are leaving on the planet, while also giving them ways to reduce it. A green audit involves the inspection of a company to assess the total environmental impact of its activities, or a particular product or a process.

The green audits are tools that organizations use to identify their environmental impacts and assess their compliance with applicable laws and regulations, as well as with the expectations of their various stakeholders. It also serves as a means to identify opportunities to save money, enhance work quality, improves employee health, safety and morale, reduce liabilities and achieve other forms of business values.

The Green audit can be a useful tool for a college to determine how and where they are using the most energy or water or resources; the college can then consider how to implement changes and make savings. It can also be used to determine the type and volume of waste, which can be used for a recycling project or to improve the waste minimization plan.

Green auditing and the implementation of mitigation measures is a win-win situation for the entire college, the learners and the planet.

It can also create health consciousness and promote environmental awareness, values and ethics. It provides staff and students with a better understanding of Green impact on campus.





## INTRODUCTION OF COLLEGE

### Brief Introduction

'IMIRC College of Law' is affiliated to CCS university, Meerut (U.P.) and approved by Bar Council of India, recognized by University Grants Commission (UGC). It was founded in 2010. It is an eminent, constituent college of CCS university, offering quality education to student academics. Excellence is an established tradition of the college. Accompanied with continuous achievement in the field of sports, extracurricular, co-curricular and cultural activities. The college strives for a multi-dimensional approach towards holistic development of our fraternity and focuses on inculcating critical thinking and stimulating research, community building and social outreach engendering inclusivity, fostering entrepreneurship, instilling, eco consciousness, promoting employability and skill enhancements, encouraging inter disciplinary, developing students' enrichment and intervention strategies to support student's learning inter alia. Other Women Grievance Cell, Student Grievance Cell, Sports Room, IQAC Cell, Anti-Ragging Cell, Conference Room, Staff Meeting Room, Boys/Girls Common Room, IQAC Cell, Women Cell.

### Details Summary of the College

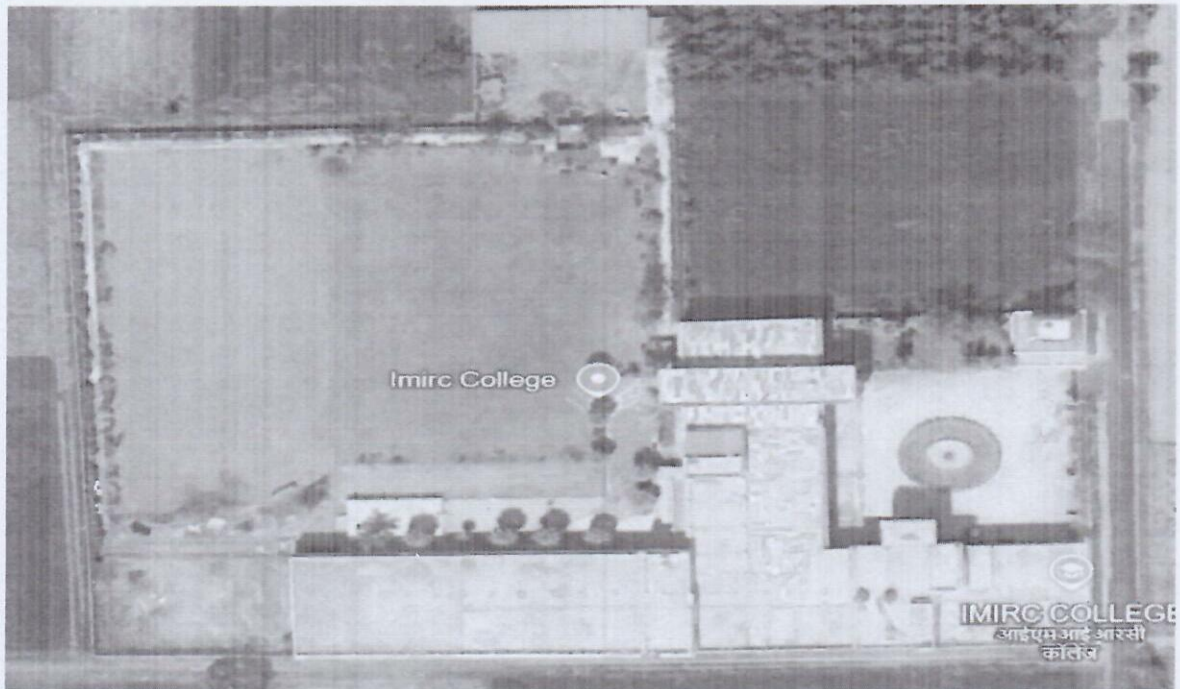
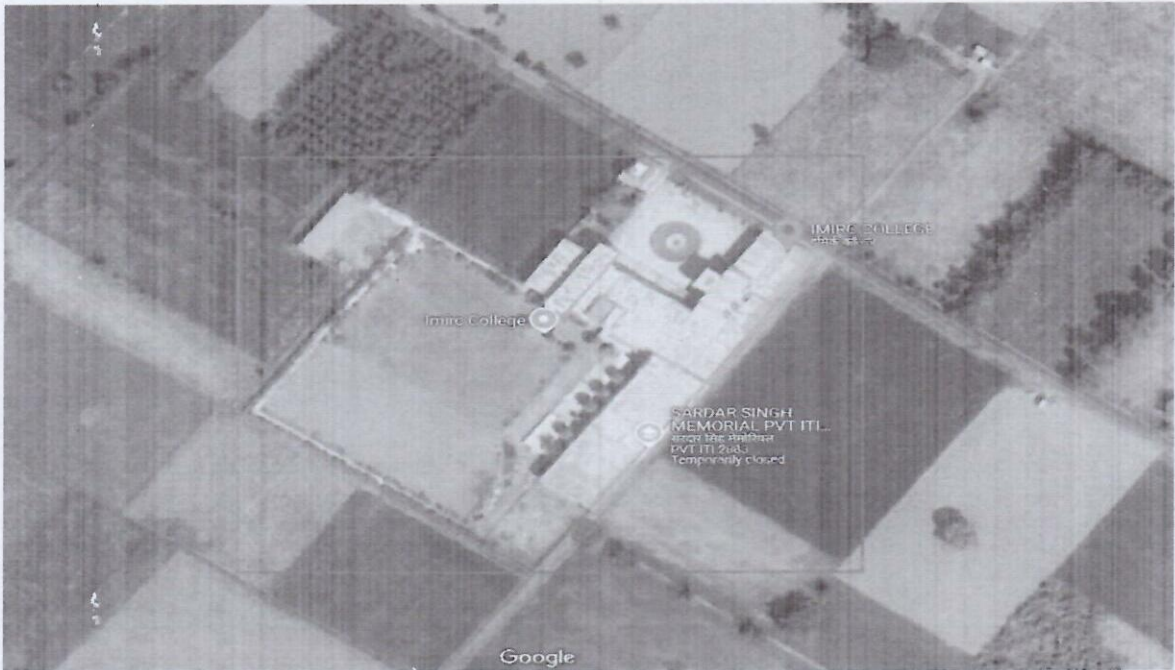
Total Area of the College	= 3900 M <sup>2</sup>
Built-up area	= 4546 M <sup>2</sup>
Field Area	= 6100 M <sup>2</sup>
Class Room	= 41 Nos.
Store Room	= 5 Nos.
Moot Court	= 1 No.
Guest House	= 1 No.
Library	= 1 No.
Legal aid center	= 2 Nos.
Total Teaching Staff	= 35 Nos.
Total Non-Teaching Staff	= 15 Nos.
Total Student	= 1256 Nos.





Google Map – Satellite View of Campus

Geo-tagging Coordinates : 28°41'40"N 78°04'52"E






**IMIRC COLLEGE OF LAW**


**VISION | MISSION**

IMIRC College Of Law is affiliated to CCS university, Meerut (U.P.) and approved by Bar Council of India, recognized by University Grants Commission (UGC). It was founded in 2010. It is an eminent, constituent college of CCS university, offering quality education to student academics. Excellence is an established tradition of the college. Accompanied with continuous achievement in the field of sports, extracurricular, co-curricular and cultural activities.



## VISION

**IMIRC College of Law, Bhaina, Hapur (G.Bad)** aims to be a top-notch legal institution, producing graduates and postgraduates who are not only academically sharp but also have strong character and a sense of responsibility.



## MISSION

**IMIRC College of Law, Bhaina, Hapur, (G.Bad)** aims to be a melting pot of ideas where students can thrive. It focuses on providing quality education and skills training to prepare students for a global future. The college seeks to foster partnerships, encourage research, and promote personal and professional growth.





### Audit Objectives

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

- Environmental education through systematic environmental management approach
- Improving environmental standards
- Benchmarking for environmental protection initiatives
- Sustainable use of natural resource in the campus.
- Eco Friendly practices in campus for 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
- Inculcation of environmental ethic and value systems in young minds

### Audit Participants

On behalf of Institute:

Name	Position/Department
Dr. Rajendra Singh Tomar	Director
Mr. Pravesh Kumar	Registrar
Mr. Lakhendra Kumar	UDC
Mr. Yogesh	UDC

On behalf of EHS Alliance Services:

Name	Position	Qualification
Mr. R.B. Sinha	Lead Auditor	Lead Auditor, AEA/CEA/CEM/M&V
Mr. Tabish Choudhary	Co- Auditor & Field Expert	M. Tech – Energy & Environmental Science, Sr. Energy Analyst

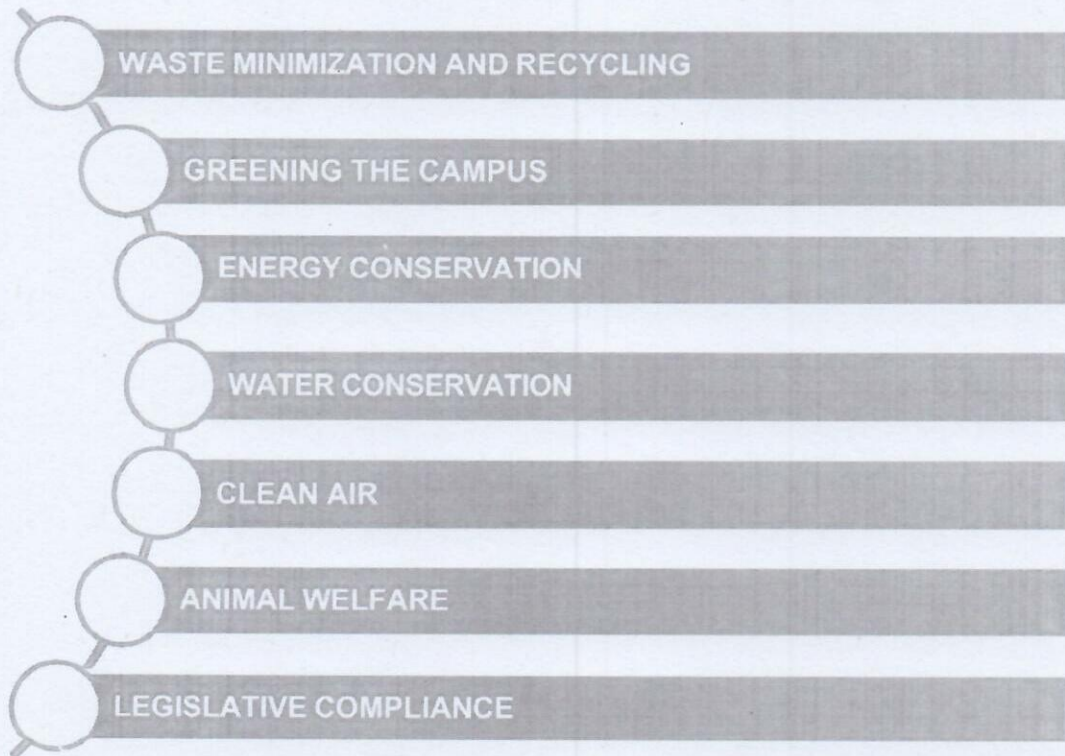




## Executive Summary

The Green audit is a snapshot in time, in which one assesses campus performance in complying with green initiatives by college campus. 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.

This is the First external audit of the institute for NAAC affiliation; QS Program and doing their bit towards environmental protection and environmental awareness at the local and global front. Audit criteria are environmental cognizance, waste minimization and management, biodiversity conservation, water conservation, energy conservation and environmental legislative compliance by the campus. A questionnaire is used during the audit. This audit report contains observations and recommendations for the improvement of environmental consciousness based on the following parameters:



### *Parameters for assessment under Green Audit*





## ENVIRONMENTAL AUDIT QUESTIONNAIRE

### CAMPUS

#### Green Audit –Assessment Questionnaire

General Information				
<b>Was any Environmental Audit conducted earlier?</b>				
This is the first time a systematic way of monitoring Green audit initiative has been taken up by the college for environment protection.				
<b>What is the total permanent population of the Institute?</b>				
Population	Male	Female	Total	the Approximate Number of Visitors
Students	719	221	940	(Per day) is 20 in the college campus.
Teachers	35	10	45	
Non-Teaching Staff	10	05	15	
Sub Total	764	236	1000	
<b>What is the total number of working days on your campus in a year?</b>				
There are one hundred eighty (220) working days in a year.				
<b>Where is the campus located?</b>				
IMIRC College of Law, a constituent college of C C S University, and is located at Garh Siyana Road, Bhaina Garhmukteshwar, Dist. Hapur, Ghaziabad, Pincode-245205 (U.P.) India				





**Green Audit Report – IMIRC College of Law (Bhaina)**

Sl. No.	Which of the following are available in your institute?	
1	Garden area	Available
2	Play ground	Available
3	Kitchen	Available
4	Toilets	Available
5	Garbage Or Waste Store Yard	Available
6	Laboratory	Available
7	Canteen	Available
8	Hostel Facility (numbers)	Not Available
9	Guest House	Available
Which of the following are found near your institute?		
10	Municipal dump yard	Not in vicinity of institute
11	Garbage heap	No Garbage heaps
12	Public convenience	Yes
13	Sewer line	Yes
14	Stagnant water	No stagnant water
15	Open drainage	No
16	Industry – (Mention the type)	NA
17	Bus / Railway station	Far away from campus
18	Public halls	Yes





**WASTE MINIMIZATION AND RECYCLING**

Sl. No.	WASTE MINIMIZATION AND RECYCLING	
1	Does your institute generate any waste? 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 - 200 Kg/Month non-biodegradable - 20 Kg/Month Hazardous - NA Others - 20 Kg/Month
3	How is the waste generated in the institute managed? By 1 Composting 2 Recycling 3 Reusing 4 Others (specify)	Sewage water is discharged to public Sewer. Domestic Waste is given to Municipal Corporation. Two types of Waste bins are provided at campus for biodegradable and non-biodegradable waste.
4	Do you use recycled paper in institute?	Yes, in academic evaluation 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, Green Society carried out numerous activities. Recycling campaigns, e waste management, Anti-plastic campaigns, Varsha Vriksharopan, sustainable goal awareness program.
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.





**GREEN CAMPUS**

GREENING THE CAMPUS		
1	Is there a garden in your institute?	Yes
2	Do students spend time in the garden?	2-4 Hours during winters
3	Total number of Plants in Campus Grass Cover	Plant type Approx. number, Trees More than 285, Shrubs More than 1000
4	Suggest plants for your campus. (Trees, vegetables, herbs, etc.)	Ashoka, Ficus Religiose, Boganvella, Alovera, Azadirachta indica, and many more as per geographical regime.
5	Is the College campus have any Nursey Department	No
6	Number of Staff working in Nursey Department	0
7	Number of Tree Plantation Drives organized by college per annum. (If Any)	Yes, Two Tree Plantation Drives are Organized Annually.
8	Number of Trees Planted in Last FY.	120
9	Survival Rate	80%
10	Plant Distribution Program for Students and Community	Yes



**ENERGY**

Sl. No.	ENERGY	
1	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. Invertor AC are installed in place of old window AC.
2	Is there any energy saving methods employed in your institute? If yes, please specify. If no, suggest some	Use of Natural Lights and Natural Ventilation is promoted.
3	How many CFL/LED bulbs has your institute installed?	100 % of Total Conventional bulbs are replaced by LED Lights.
4	Are any alternative energy sources employed / installed in your institute? (Photovoltaic cells for solar energy, windmill, energy efficient stoves, etc.,) Specify.	No.
5	Do you run "switch off" drills at institute?	Yes
6	Are your computers and other equipment's put-on power-saving mode?	Yes, In Practice
7	Does your machinery (TV, AC, Computer, weighing balance, printers, etc.) run on standby modes most of the time? If yes, how many hours?	No





**WATER CONSERVATION**

Sl. No.	WATER CONSERVATION	
1	List uses of water in your institute	Basic usage of water in campus are; Drinking, Gardening, Kitchen & Toilets, and Others.
2	How does your institute store water? Are there any water saving techniques followed in your institute?	Overhead tank installed for storage of water. Avoid overflow of water-controlled valves are provided in water supply system.
3	If there is water wastage, specify why and how can the wastage be prevented /stopped?	No
4	Locate the point of entry of water and point of exit of waste water in your institute.	Entry- Water comes from Ground Water supply at campus Exit- From Water Drainage to the back side through pipe
5	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 for new students
6	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 liters of water have been used.	There is no record for the ground water only for assumption bases. No meter Available.
7	Does your institute harvest rain water?	Rain water harvesting system are available. But not working properly. Needs to be maintenance.
8	Is there any water recycling System.	No





**CLEAN AIR**

Sl. No.	CLEAN AIR	
1	Are the Rooms in Campus being Well Ventilated?	Yes
2	Window Floor ratio of the Rooms	Very Good
3	Provide details of school-owned motorized vehicles?	CNG Cars
4	No. of vehicles	4
5	No. of vehicles more than five years old	0
6	No. of Air-conditioned vehicles	2
7	PUC done	Yes
8	Specify the type of fuel used by your school's vehicles:	CNG
9	Diesel	Used in DG Sets in Case of Emergency
10	Petrol	NA
11	CNG	Yes
12	LPG	NA
13	Electric	Yes
14	Air Quality Monitoring Program (If Any)	No monitoring is being done
15	Students suffer from respiratory ailments? (If Any)	No
16	Details of Genset	Yes, 1 Number of Genset – model RT30; The capacities of DG are (30) KVA

**ANIMAL WELFARE**

Sl. No.	ANIMAL WELFARE	
1	List the animals (wild and domestic) found on the campus (dogs, cats, quarrels, birds, insects, etc.	More than 200 Squirrels are found in the campus, approx. 10 dogs, 2 cats & more than 50 Birds including butterflies, insects, bees, earth worm setc. are there in campus.
2	How many dogs in your area have undergone Animal Birth Control - Anti Rabies (ABC - AR)?	Not available
3	Does your institute have a Biodiversity Programmed or a KARUNA CLUB?	No





**ENVIRONMENTAL LEGISLATIVE COMPLIANCE**

Sl. No.	ENVIRONMENTAL LEGISLATIVE COMPLIANCE	
1	Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes
2	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, and environmental conservation efforts through Green Society and Department of Environmental Sciences.
3	Does Environmental Ambient Air Quality Monitoring conduct by the Institute?	NA
4	Does Water and Waste water Quality monitoring conducted by the Institute?	Yes, only for Drinking Water
5	Does stack monitoring of DG sets conducted by the Institute?	No
6	Is any warning notice, letter issued by state government bodies?	No
7	Does any Hazardous waste generate by the Institute?	No
8	Does any Bio medical waste generate by the Institute? If yes explain its category and disposal method	No





**GENERAL**

Sl. No.	GENERAL	
1	Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes
2	Does your institute have any rules to protect the environment? List possible rules you could include	Yes, there are some rules like banned single use plastic. Their Environmental Policy includes awareness and environmental conservation.
3	Does housekeeping schedule in your campus?	Yes, Swatch Bharat movement
4	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
5	Does Important Days Like World Environment Day, Earth Day, and Ozone Day etc. eminent in Campus?	Yes
6	Does Institute participate in National and Local Environmental Protection movement?	Yes, Swatch Bharat Abhiyan by students at campus.
7	Does Institute have any Recognition/ certification for environment friendliness?	No
8	Does Institute use renewable energy?	No
9	Does Institution conduct a green/environmental audit of its campus?	Yes, this is first environmental audit done by the College.
10	Has the institution been audited / accredited by any other agency such as NABL, NABET, TQPM, NAAC etc.?	Yes, NAAC grade A





Green Initiatives by campus

**Biodiversity Conservation** – Flora and fauna conservation programs and multiple environment awareness campaigns are organized by the College.

**Tree Plantation Drives** – Tree Plantation Drives are organized regularly. Guests visiting the college or other events are honored by way of their contribution towards the Drive.

**Ground Water Recharge** - 1 unit of Rain Water Harvesting System.

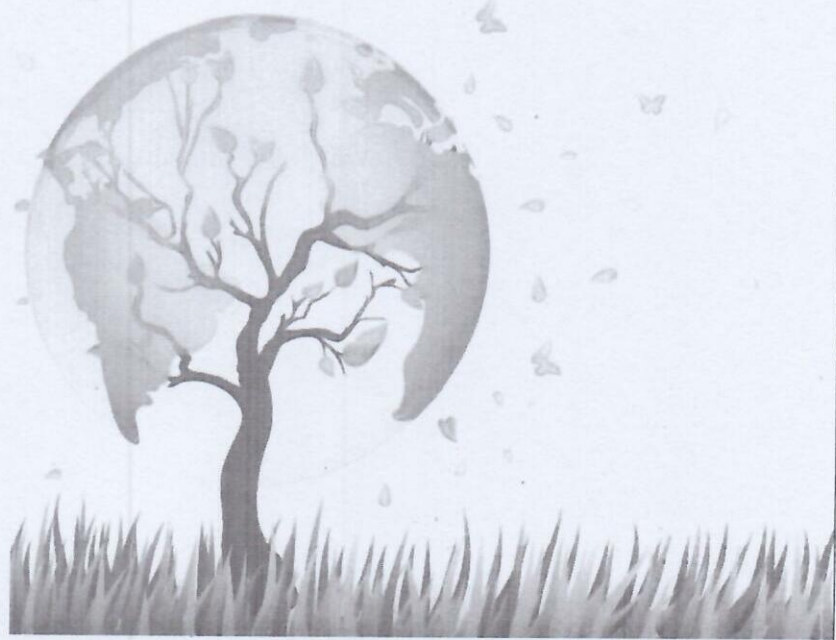
**E-Waste Management** - Old computers and other e-waste are managed through authorized recyclers.

**Water Conservation** – RO wastewater is used in gardening in campus.



### Recommendations

- Eco-friendly parameters should be included in the purchase of articles and goods for the campus.
- Bore well water meter must be installed at the institute for monitoring the water consumption per capita in each block.
- Increase in promotional activities for spreading awareness about energy savings and environmental awareness at the campus.
- Plant Ownership Program should be initiated – Several Trees should be planted and owned by visitors as well as students. The names of such visitors / students should also be displayed near the plants.
- Green building guidelines should be followed for future expansion projects of the College.





## Conclusion

This green audit involved extensive detailed interview process with the different teams in college, interactions with key personnel on a wide range of issues related to Environmental Management System (EMS). Shyam Lal College, University of Delhi has around 60% of the college campus for landscaping. The audit team has identified a few observations for making the college campus more environmental friendly and greener. The recommendations are also mentioned with observations for the college campus team to initiate actions.

The audit team opines that the overall site is maintained well from an environmental perspective. There are no major observations but few things that are important to initiate urgently are waste management plan including composting, water balancing/ audit. College management should go for ECBC compliance for all future building expansions.

## 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





## Transparency of Green Audit Report

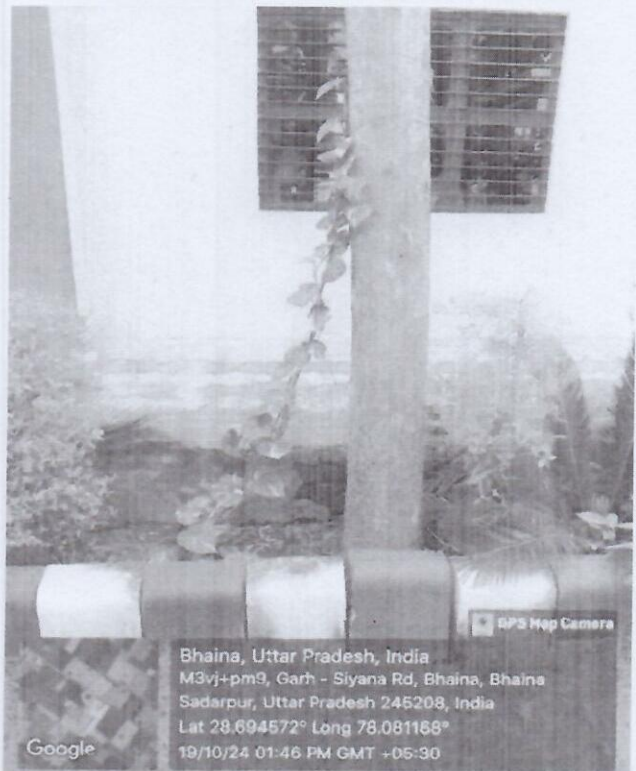
*The green audit report is one of the useful means of demonstrating an organization's commitment to openness and transparency. If an organization believes it has nothing to hide from its stakeholders, then it should feel confident enough to make its green audit reports freely available to those who request them. As a basic rule, green audit reports should be made available to all stakeholders.*

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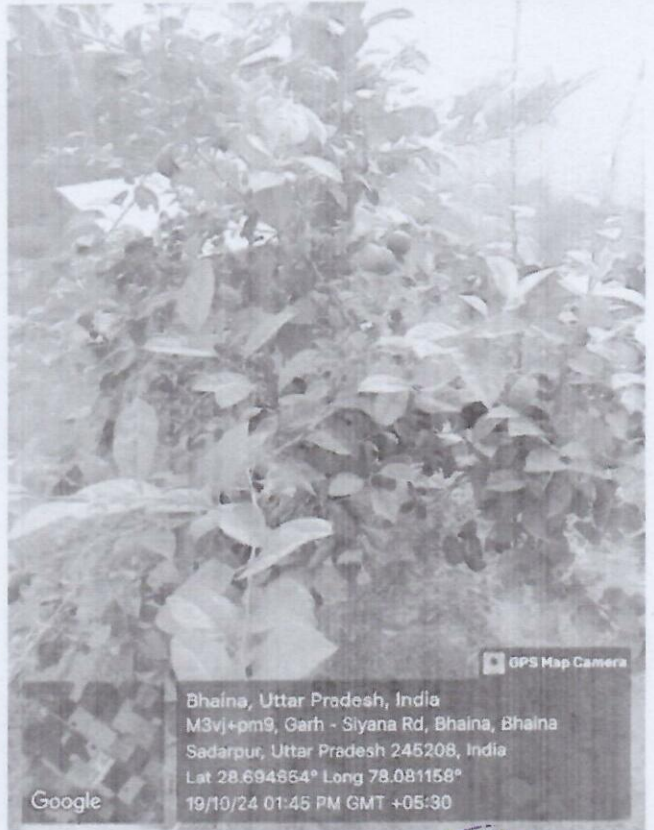
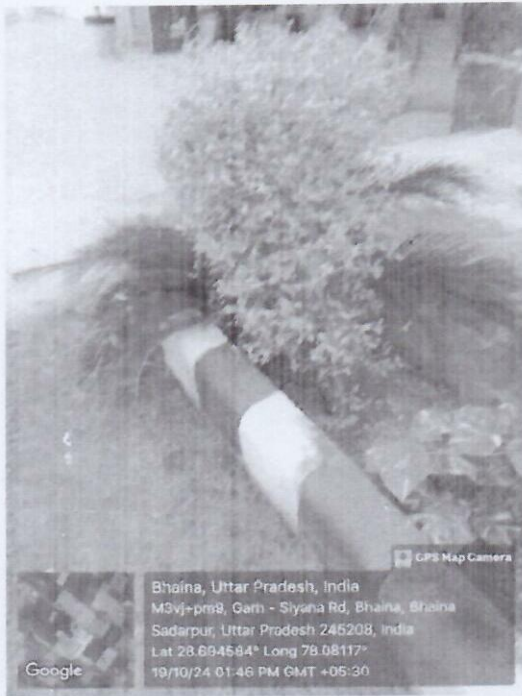


### Green Initiative Photographs

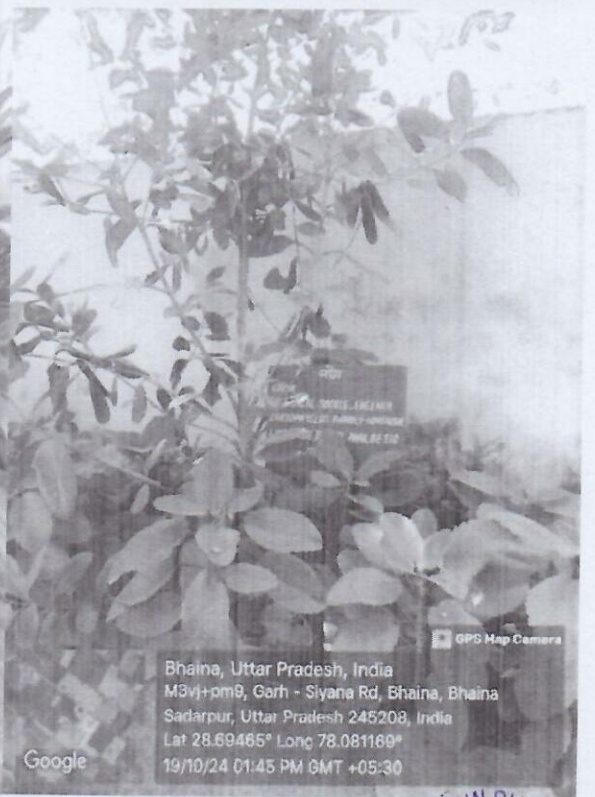
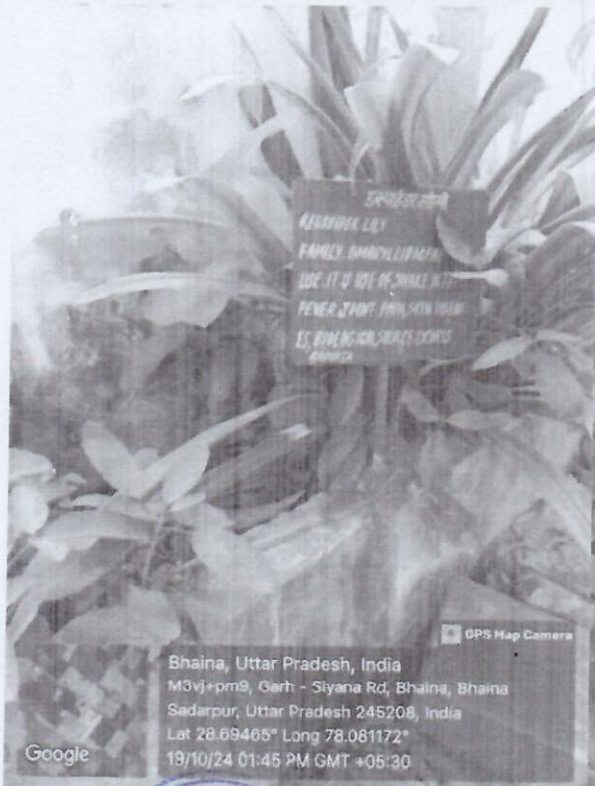




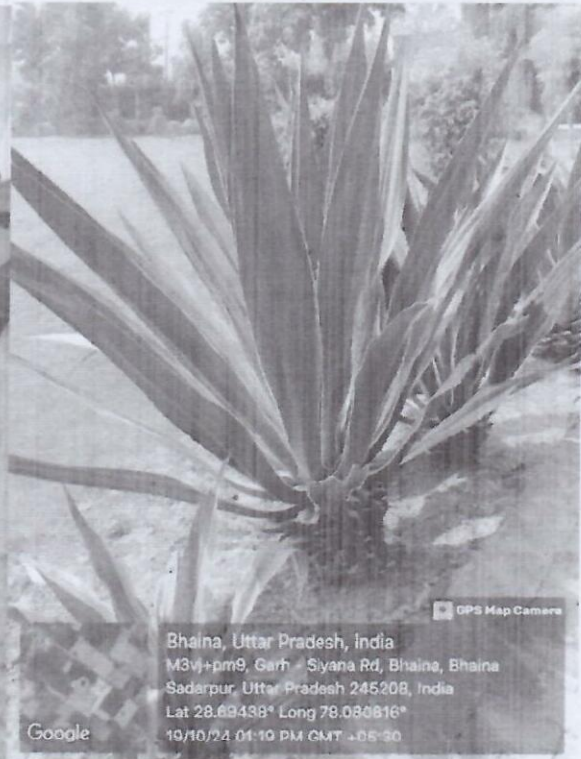
Green Audit Report – IMIRC College of Law - Bhaina



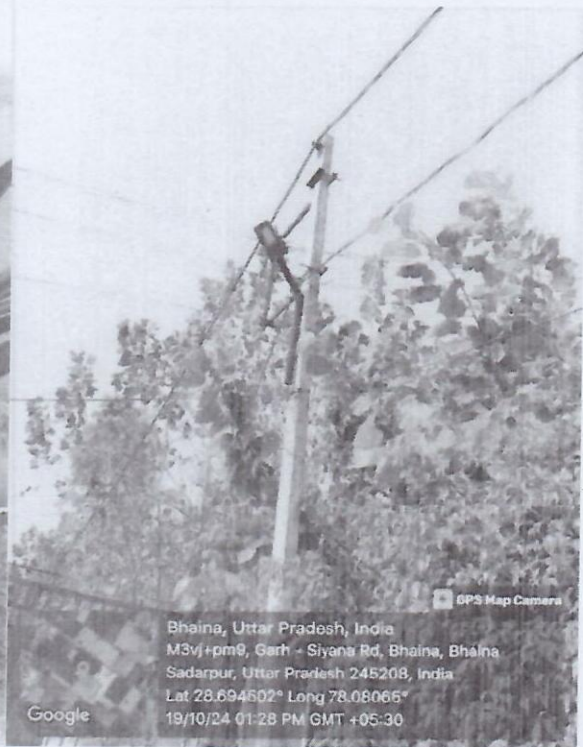
















GPS Map Camera

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Google



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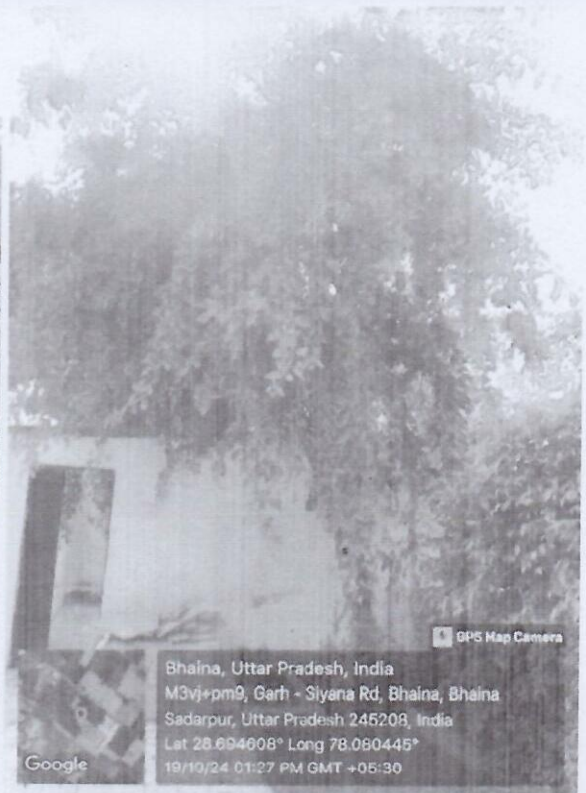
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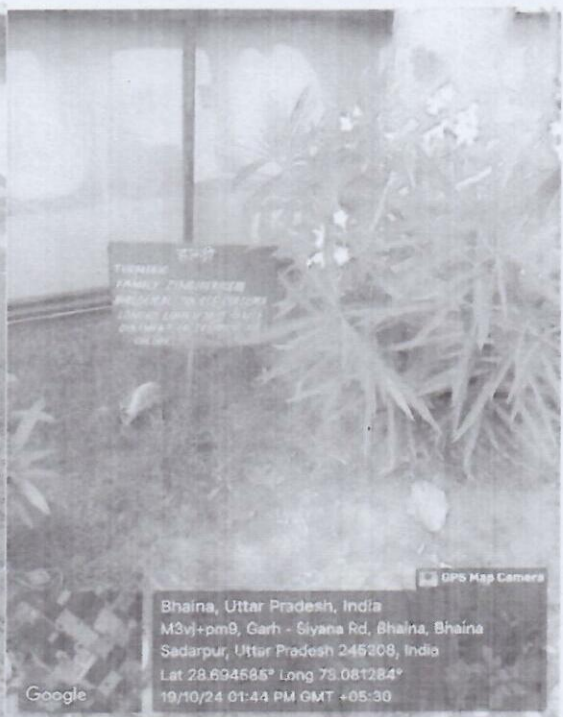
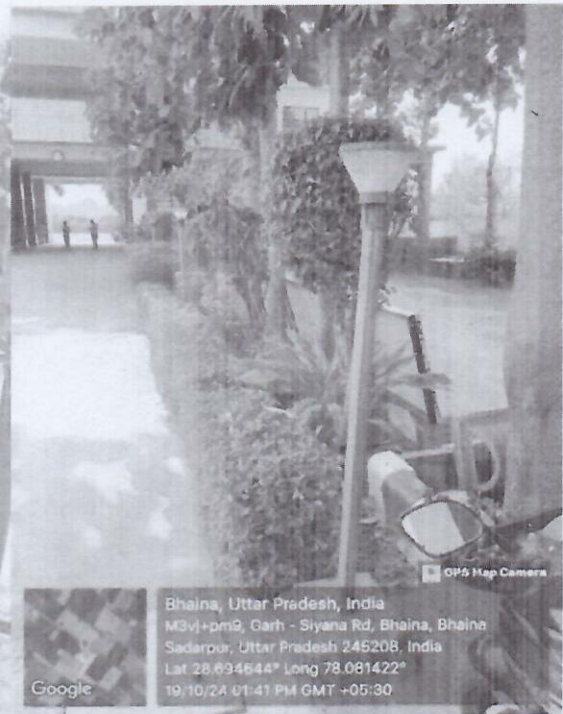
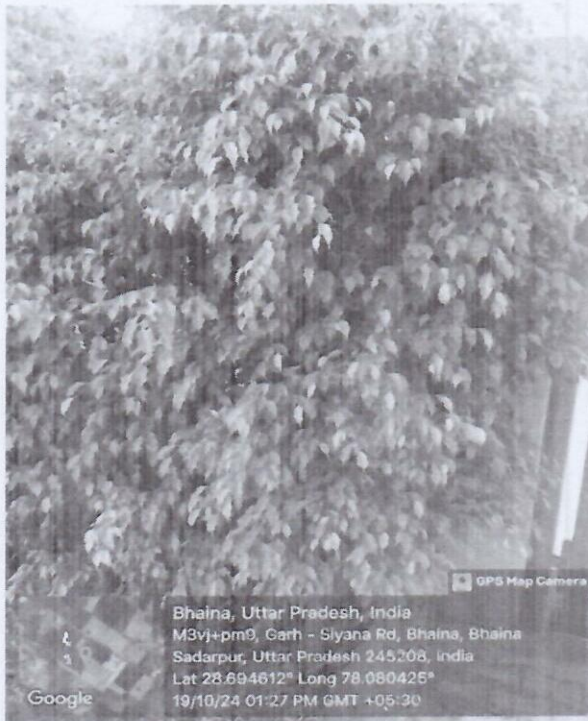
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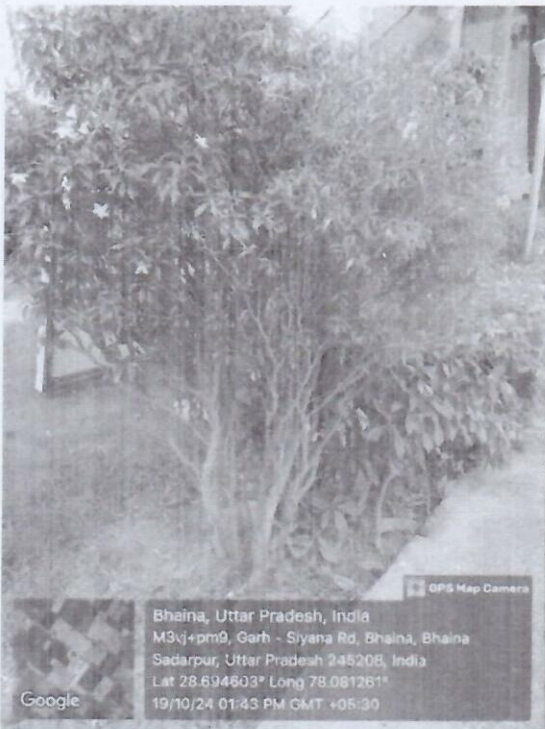




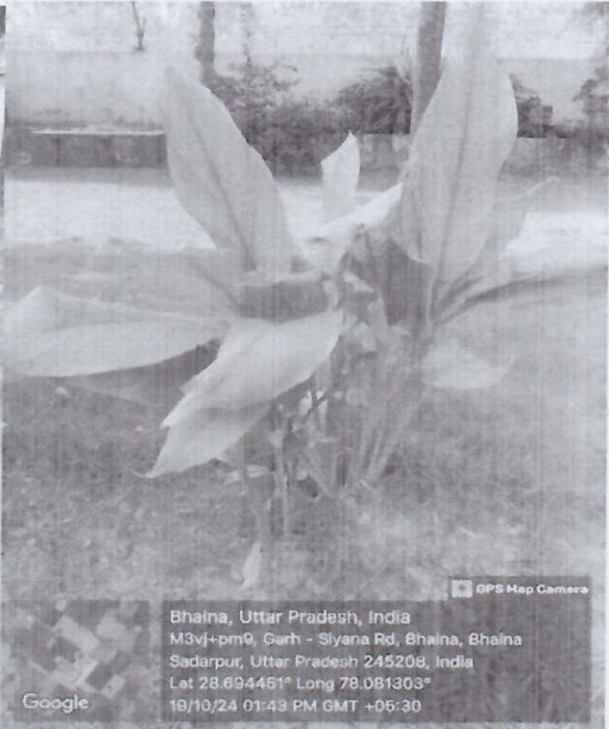
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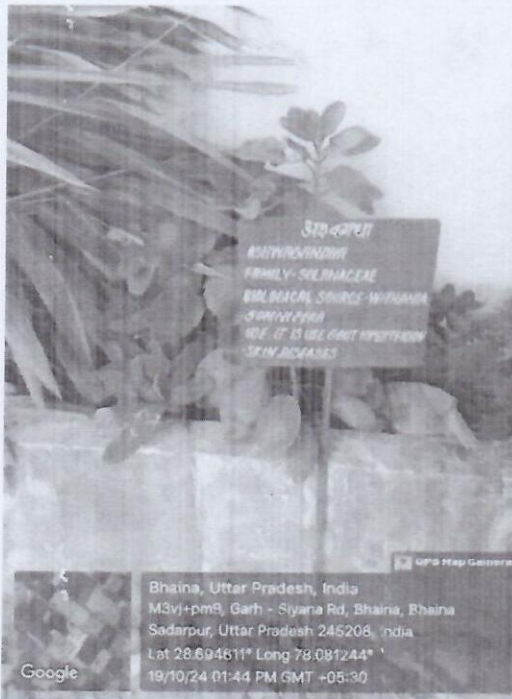




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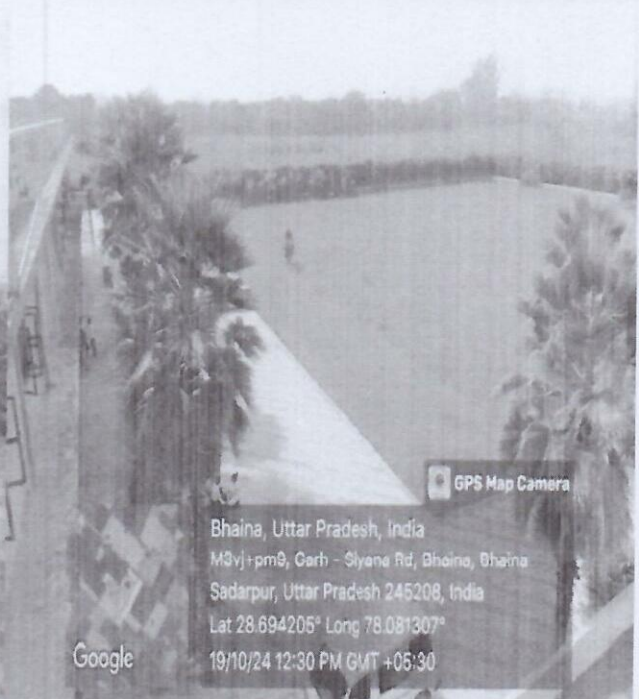


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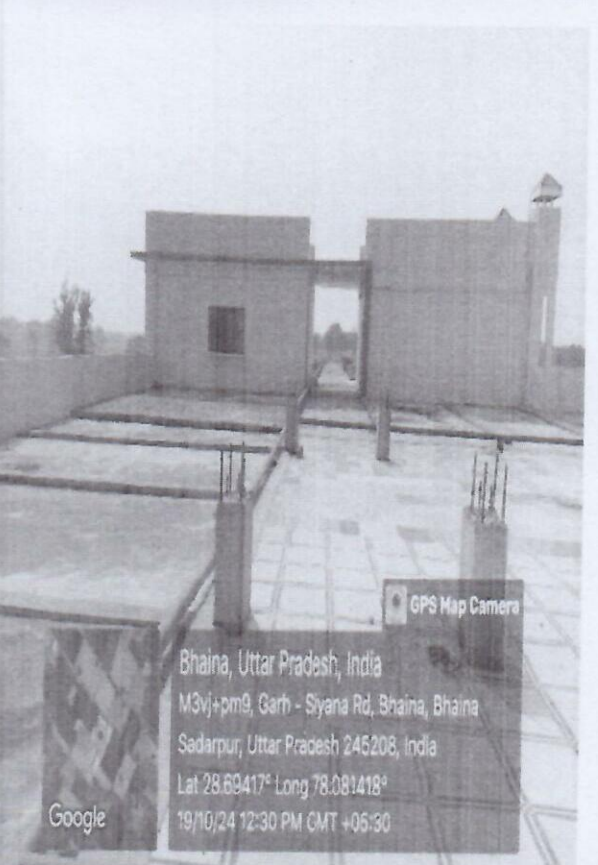
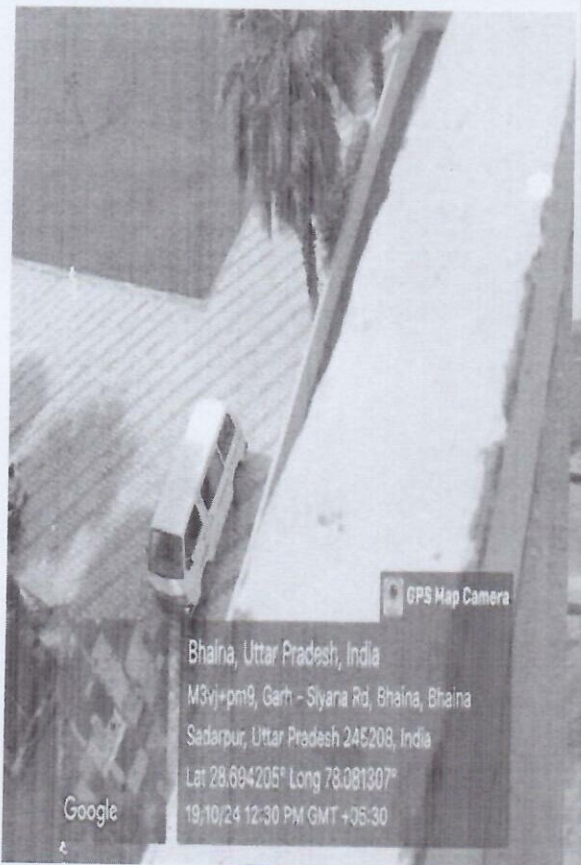
**शुद्ध-गण्ड**  
 ASHWKHANDINI  
 FAMILY- SCLERINACEAE  
 BIOLOGICAL SOURCE- WUDHANA  
 SURVIVAL AREA  
 N.O.E. IT IS USED AGAINST HYPERTENSION  
 SKIN DISEASES



GPS Map Camera  
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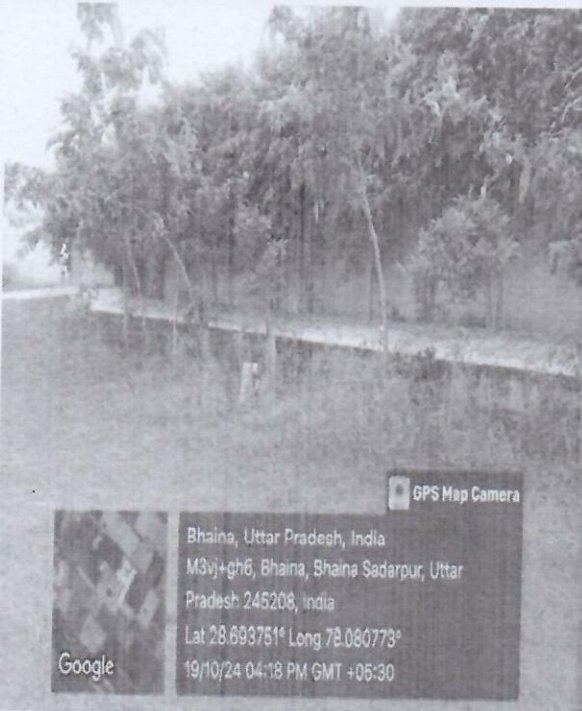








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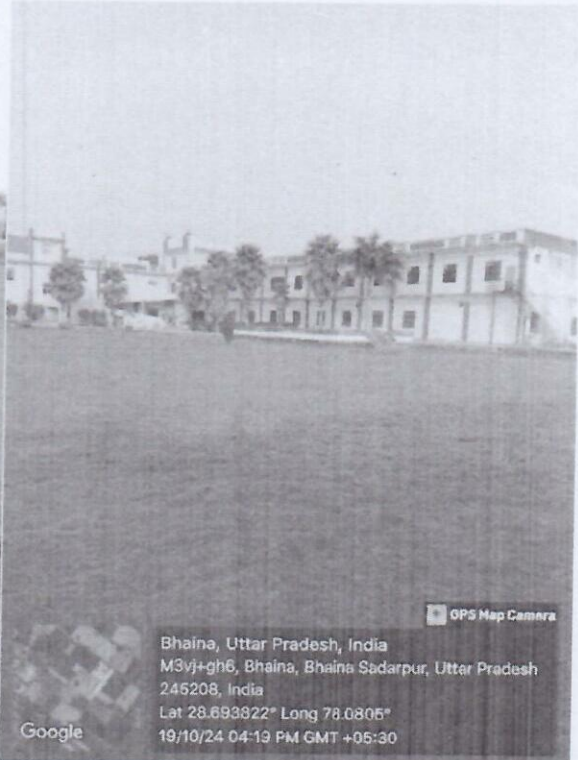






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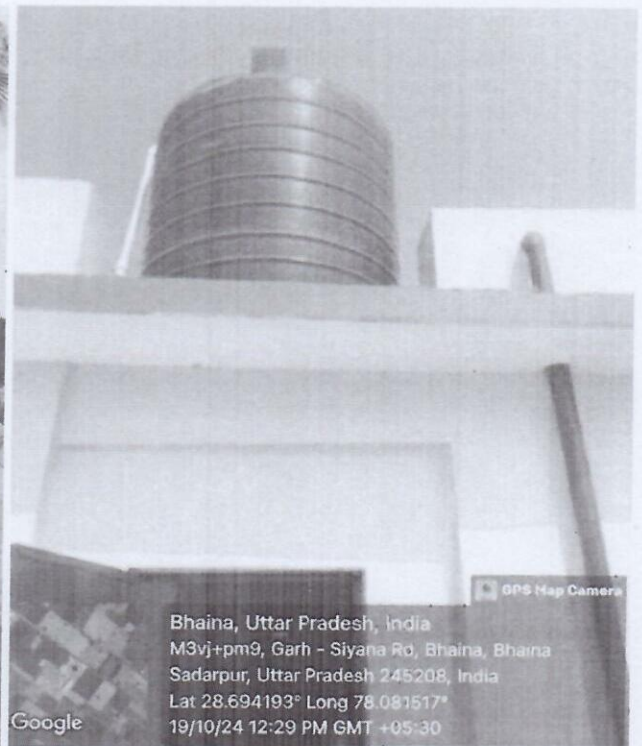
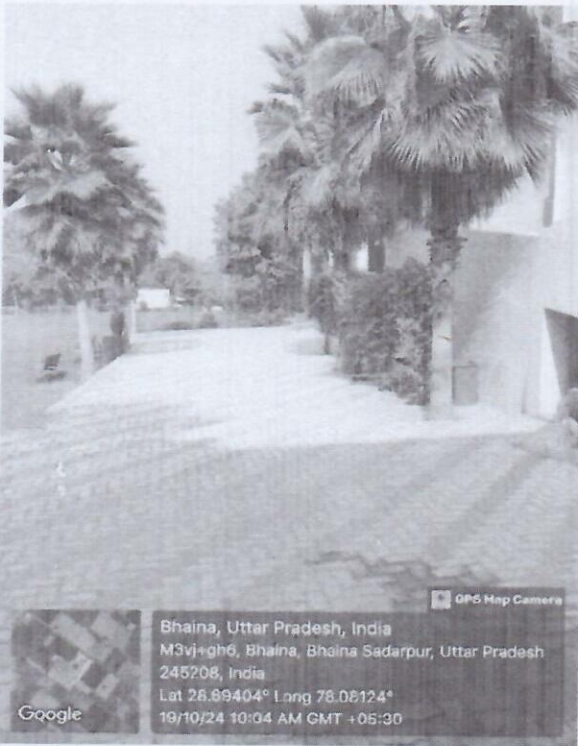


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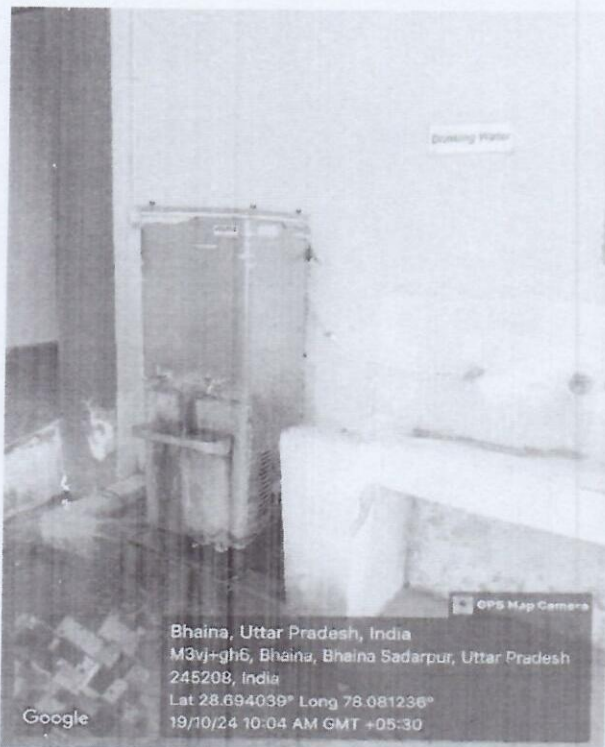




Plantation Activity in College area by Students







Water Cooler for Drinking Water



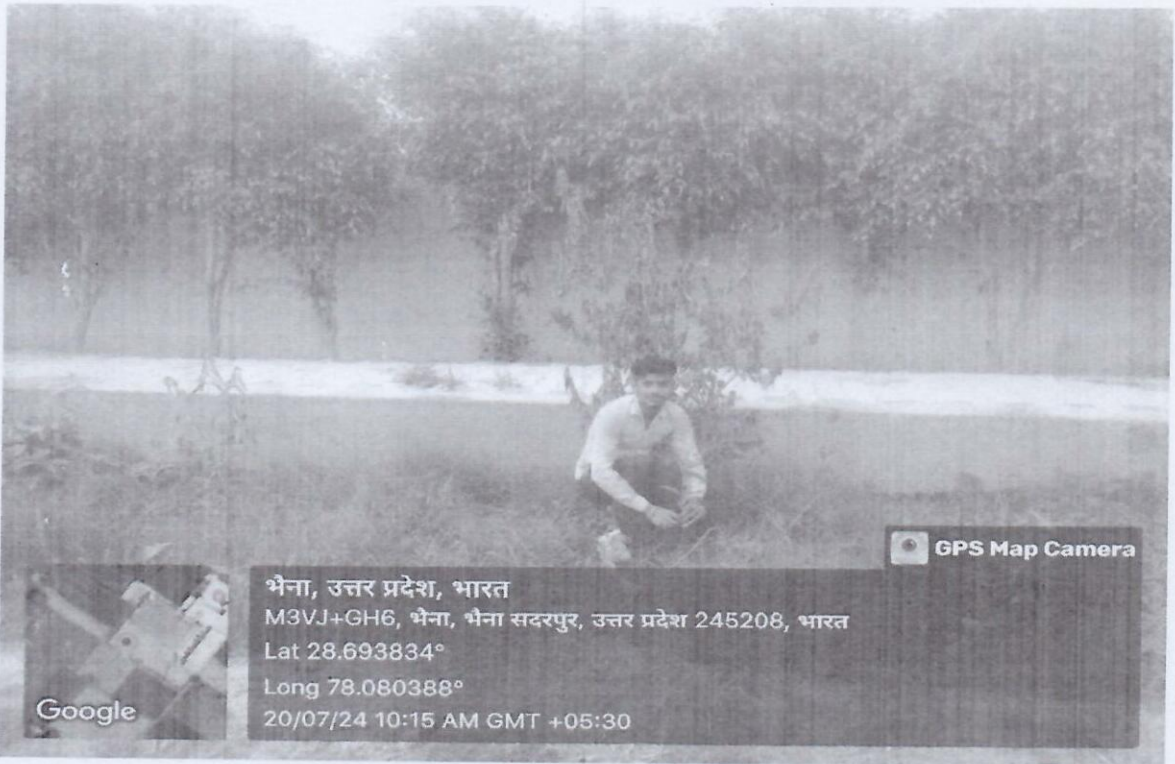
Rain Water Harvesting System







Flag Hosting Festival by IMIRC College



Plantation Activity in College area by Students







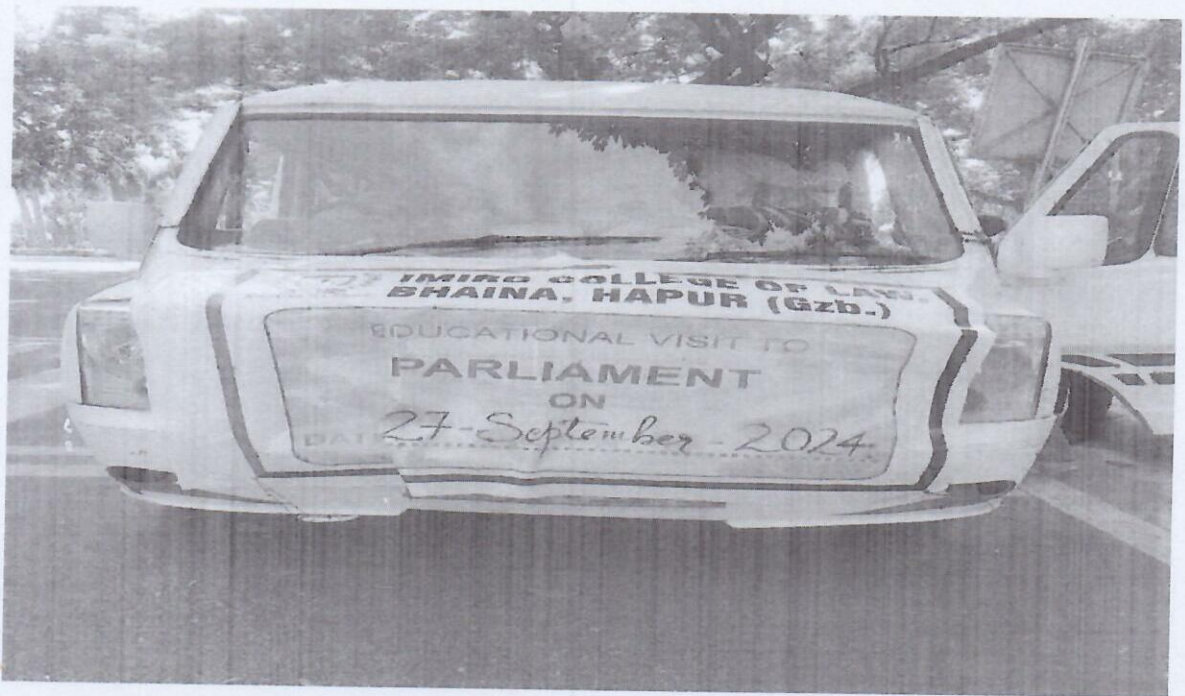
MOOT COURT Activity



New Parliament Visit of Students







New Parliament Visit of Students



Free Legal AID Camp in Village Area by College Students & Staff











Mobile Distribution Activity



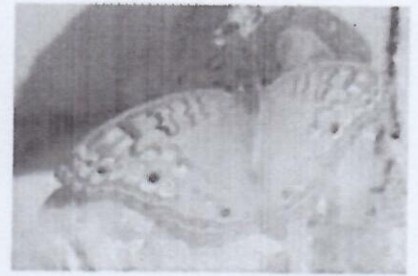




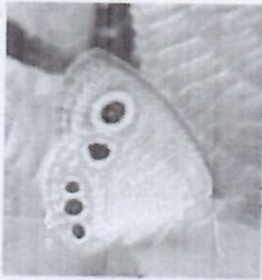
**COMMON EVENING BROWN**  
(*Melanitis leda*)



**GREAT EVENING BROWN**  
(*Melanitis zitenius*)



**GREY PANSY**  
(*Junonia atlites*)



**COMMON FIVE RING**  
(*Ypthima baldus*)



**BENGAL ALBRATROSS**  
(*Appias olferna*)



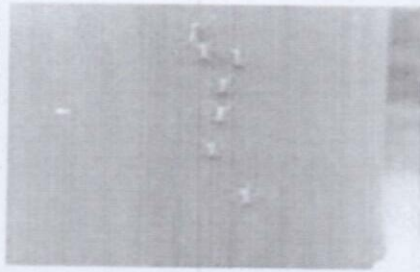
**RED COTTON BUG**  
(*Dysdercus cingulatus*)



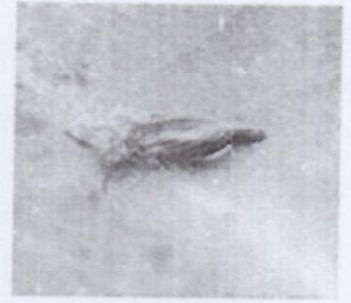




INDIAN BLACK ANT  
(*Camponotus compressus*)



PHARAOH ANT  
(*Monomorium pharaonis*)



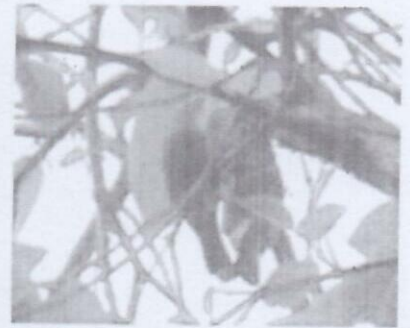
BLACK SOLDIER FLY  
(*Hermetia illucens*)



MILLIPEDE  
(*Julus sp.*)



GIANT AFRICAN LAND  
SNAIL  
(*Achatina fulica*)



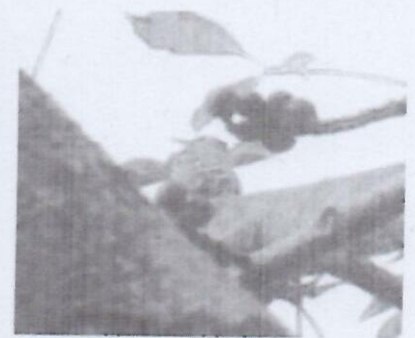
CHESTNUT-TAILED  
STARLING  
(*Sturnia malabarica*)



GREY-BACKED SHRIKE  
(*Lanius tephronotus*)



SPOTTED DOVE  
(*Streptopelia chinensis*)



FULVOUS-BREASTED  
WOODPECKER  
(*Dendrocopos macei*)





**NO RAGGING**



**SAY NO TO RAGGING**

Visit UGC Website  
[www.ugc.ac.in](http://www.ugc.ac.in) &  
To See  
UGC Antiragging  
Regulations  
[www.antiragging.in](http://www.antiragging.in)

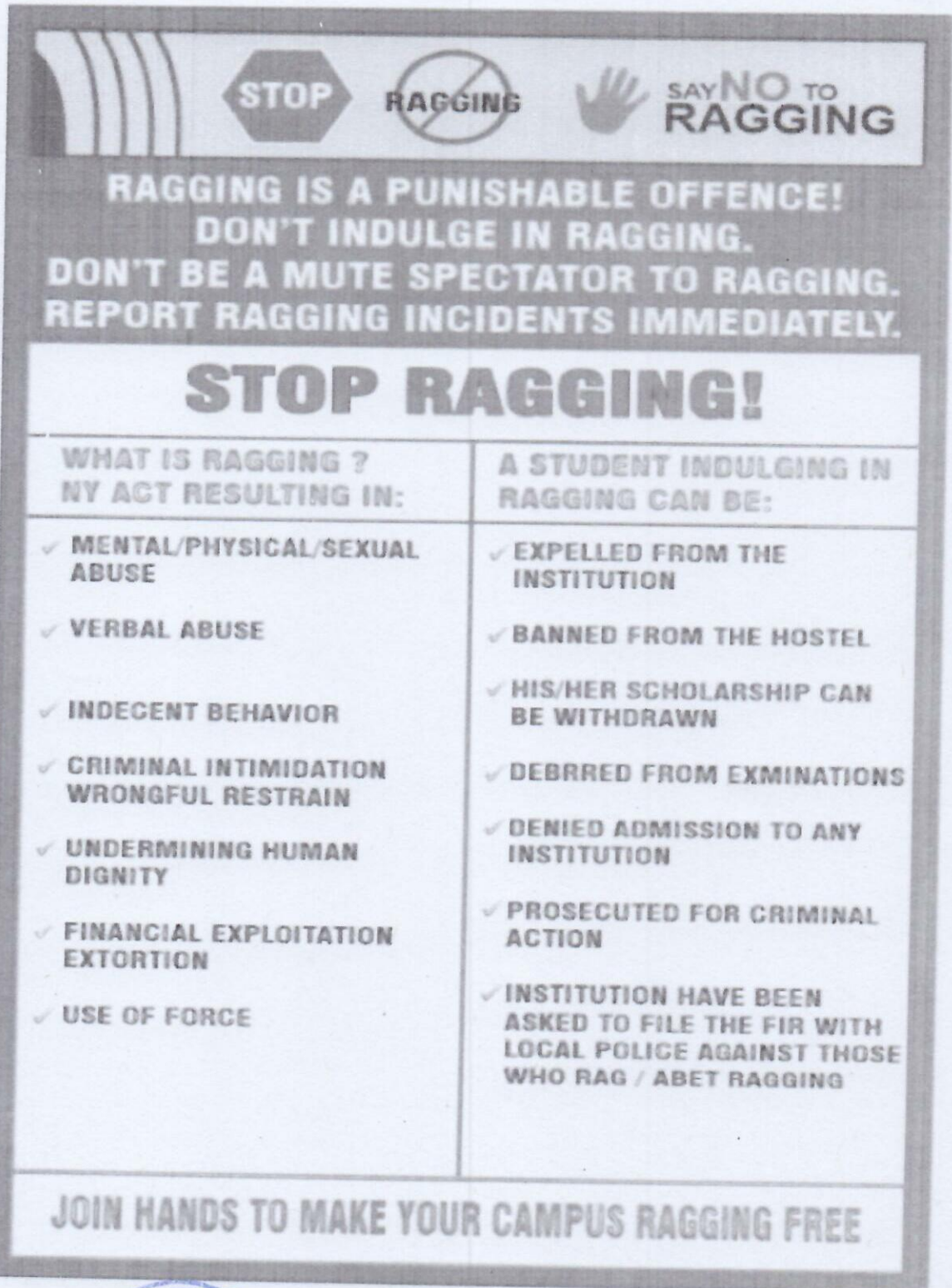
**RAGGING IS A PUNISHABLE OFFENCE !  
DON'T INDULGE IN RAGGING**

UGC Anti - Ragging Helpline : 1800-180-5522 (24x7 Toll Free)  
or send an e-mail to [helpline@antiragging.in](mailto:helpline@antiragging.in)

**JOIN HANDS TO MAKE YOUR CAMPUS RAGGING FREE**







**STOP RAGGING** SAY NO TO RAGGING

**RAGGING IS A PUNISHABLE OFFENCE!  
DON'T INDULGE IN RAGGING.  
DON'T BE A MUTE SPECTATOR TO RAGGING.  
REPORT RAGGING INCIDENTS IMMEDIATELY.**

## **STOP RAGGING!**

<b>WHAT IS RAGGING ? NY ACT RESULTING IN:</b>	<b>A STUDENT INDULGING IN RAGGING CAN BE:</b>
<ul style="list-style-type: none"><li>✓ MENTAL/PHYSICAL/SEXUAL ABUSE</li><li>✓ VERBAL ABUSE</li><li>✓ INDECENT BEHAVIOR</li><li>✓ CRIMINAL INTIMIDATION WRONGFUL RESTRAIN</li><li>✓ UNDERMINING HUMAN DIGNITY</li><li>✓ FINANCIAL EXPLOITATION EXTORTION</li><li>✓ USE OF FORCE</li></ul>	<ul style="list-style-type: none"><li>✓ EXPELLED FROM THE INSTITUTION</li><li>✓ BANNED FROM THE HOSTEL</li><li>✓ HIS/HER SCHOLARSHIP CAN BE WITHDRAWN</li><li>✓ DEBRRED FROM EXMINATIONS</li><li>✓ DENIED ADMISSION TO ANY INSTITUTION</li><li>✓ PROSECUTED FOR CRIMINAL ACTION</li><li>✓ INSTITUTION HAVE BEEN ASKED TO FILE THE FIR WITH LOCAL POLICE AGAINST THOSE WHO RAG / ABET RAGGING</li></ul>

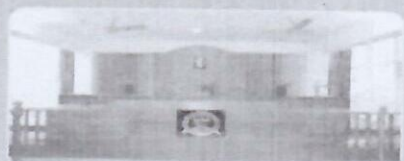
**JOIN HANDS TO MAKE YOUR CAMPUS RAGGING FREE**







## IMIRC COLLEGE OF LAW, BHAINA, HAPUR (Gzb.)



## LEGAL AID CAMP



## PARLIAMENT VISIT





Green Audit Participant from IMIRC College



# IMIRC COLLEGE OF LAW

Affiliated to CCS University Meerut (U.P.)  
Approved By Bar Council of India, New Delhi

Ph : 05731-262222  
262223  
0120-5109351  
(M) - 09311609007  
09450000043

Ref. No. 2022/LAW/3024/0176

Date: 19/10/2024

Name	Designation	Signature / Stamp
Dr. Rajendra Singh Tomar	Director	 Principal IMIRC College of Law Bhaina (Hapur)
Mr. Praveen Kumar	Registrar	
Mr. Lakhendra Kumar	UDC	
Mr. Yogesh	UDC	

H.O. 79/80, Radhey Shyam Park, Sec. 5, Rajender Nagar, Sahibabad, Ghaziabad (U.P.)  
Campus - Garh Siyana Road, Bhaina, Garh Mukteswar, Hapur (Ghaziabad)





# APPENDIX-III



# ENERGY AUDIT REPORT



## IMIRC COLLEGE OF LAW

*(Affiliated by CCS University, Meerut, U.P. Approved by Bar Council of India, New Delhi.)*

**Garh Siyana Road, Bhaina Garhmukteshwar,  
Dist. Hapur (Ghaziabad) Pincode-245205 (U.P.) India**

**OCTOBER – 2024**

## ENERGY AUDIT SERVICES

**1116, SECTOR - 17  
FARIDABAD – 121002**

**M: 09811229516**

Email: [rbsinhaeas@gmail.com](mailto:rbsinhaeas@gmail.com)



ENERGY AUDIT SERVICES - FARIDABAD





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B	Executive Summary	6
C	Options for Energy Saving	8
D	Power System & Electricity Billing	11
E	SOLAR SYSTEM	19
F	LIGHTING & LUX Level	22
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J	Power Measurement	38
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## ACKNOWLEDGEMENT

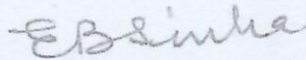
The management is very much dedicated to the cause of Energy Efficiency. Several effective steps have already been undertaken for the objectives of Energy Efficiency.

The management is keen for furthermore Energy Saving and with this objective, we have been awarded this assignment for Energy Audit.

We express our sincere thanks to the management for awarding this prestigious assignment to us.

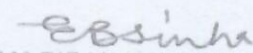
We are very much thankful to Dr. **Rajendra Singh Tomar – Director** for providing to us all the support and the best possible co-operation to carryout elaborate measurements and critical studies, related to Energy Efficiency

We express our sincere thanks to **Team**, for taking very keen interest in the Assignment and providing us, day –today coordination for conducting the Assignment.



**(R. B. SINHA)**

**ENERGY AUDIT SERVICES**



**(RAM BIRANJAN SINHA)**  
ACCREDITED ENERGY AUDITOR  
AEA-0067  
ENERGY AUDIT SERVICES, FARIDABAD





**CHAPTER # A****INTRODUCTION****Brief Introduction**

'IMIRC College of Law' is affiliated to CCS university, Meerut (U.P.) and approved by Bar Council of India, recognized by University Grants Commission (UGC). It was founded in 2010. It is an eminent, constituent college of CCS university, offering quality education to student academics. Excellence is an established tradition of the college. Accompanied with continuous achievement in the field of sports, extracurricular, co-curricular and cultural activities. The college strives for a multi-dimensional approach towards holistic development of our fraternity and focuses on in calculating critical thinking and stimulating research, community building and social outreach engendering inclusivity, fostering entrepreneurship, instilling, eco consciousness, promoting employability and skill enhancements, encouraging inter disciplinary, developing students' enrichment and intervention strategies to support student's learning inter alia. Other Women Grievance Cell, Student Grievance Cell, Sports Room, IQAC Cell, Anti-Ragging Cell, Conference Room, Staff Meeting Room, Boys/Girls Common Room, IQAC Cell, Women Cell.

**Details Summary of the College**

Total Area of the College	= 3900 M <sup>2</sup>
Built-up area	= 4546 M <sup>2</sup>
Field Area	= 6100 M <sup>2</sup>
Class Room	= 41 Nos.
Store Room	= 5 Nos.
Moot Court	= 1 No.
Guest House	= 1 No.
Library	= 1 No.
Legal aid center	= 2 Nos.
Total Teaching Staff	= 35 Nos.
Total Non-Teaching Staff	= 15 Nos.
Total Student	= 1256 Nos.





## CHAPTER # B

# EXECUTIVE SUMMARY

We have carried out the assignment for Energy Audit during the month of October, 2024. We have carried out very elaborate measurements for various Operating- Parameters, covering each area. We have **critically examined** the effectiveness of Energy being consumed in the entire college.

### • MAIN OBSERVATIONS

Various effective steps have already been undertaken for Energy Efficiency. Some of the achievements are being illustrated here with.

1. **LED Lamp:** - Some of the old conventional Lights are being replaced by Energy Efficient LED Lamps, in phases.
2. **Invertor AC #** In line with the latest trend for Energy Efficient Invertor AC has already been installed in Computer Lab & Office.  
This is very encouraging step for Energy Conservation.

### • OUR OBJECTIVE

To determine what further Energy Saving can be achieved, on the most practical lines. Our thrust has been towards hidden losses & Technical up- gradation.

### • PROPOSALS for further ENERGY SAVING

We have identified several areas, having significant potential for further more Energy Saving.





### ○ ENERGY AUDIT REPORT

Each area has been covered with elaborate details, in the respective Chapters. We have provided elaborate Technical details as well as Cost - benefit calculations for each Proposal for Energy Saving.

**Various Options for Energy Saving:** - Various Proposals for Energy Saving has been illustrated in **Chapter # C**, for the quick reference of the senior Management. For the details, the respective Chapters may please be referred.

### Summary of Various Proposals for Energy Saving

1. Expected saving has been worked out on the **annual basis**.
2. Cost of Implementation, for Routine Maintenance has been excluded.

Sl. No.	PARTICULARS	Unit Rate	Expected annual Saving		Estimated Cost of Implementation (Rs.)
			Qty.	Amount (Rs.)	
1	Electricity	Rs.8.50 per Unit	26168 KWH	2,22,428	13,50,700
3	TOTAL	-			

- Amount of Expected Annual Saving = **Rs. 2,22,428**
- Estimated Cost = **Rs. 13,50,700**
- Simple payback Period ≈ **6.07 Years**

- It may please be appreciated that each Proposals for Energy Saving are on the most practical lines.
- We sincerely thank the Management for extending the best possible co-operation to us to carry out the Assignment.

*R. B. Sinha*

**(R. B. SINHA)**

**ENERGY AUDIT SERVICES**





## CHAPTER # C

## OPTIONS for ENERGY SAVING

## C.1 INTRODUCTION

All the options for Energy Saving have been worked out in the respective Chapters, with elaborate details and are being summarized herewith.

**Objectives: Main objective would be to monitor** the necessary implementation, very effectively. This will also be very helpful for the successful implementation as well as the status of Implementation, at any stage.

Summary of Various Proposals for Energy Saving

3. Expected saving has been worked out on the **annual basis**.
4. Cost of Implementation, for Routine Maintenance has been excluded.

Sl. No.	PARTICULARS	Unit Rate	Expected annual Saving		Estimated Cost of Implementation (Rs.)
			Qty.	Amount (Rs.)	
1	Electricity	Rs.8.50 per Unit	26,168 KWH	2,22,428	13,50,700
3	TOTAL	-	26,168 KWH	2,22,428	13,50,700

- Amount of Expected Annual Saving = **Rs. 2,22,428**
- Estimated Cost = **Rs. 13,50,700**
- Simple payback Period ≈ **6.07 Years**

- It may please be appreciated that each Proposals for Energy Saving are on the most practical lines.
- We sincerely thank the Management for extending the best possible co-operation to us to carry out the Assignment.



## OPTIONS FOR ENERGY SAVING

Sl. No.	Area	Option for Energy Saving	Expected Saving - Qty.	Estd. Cost (Rs. Lac)	Ref.	Remarks
1	Solar Plant	To installed 20 KW Rooftop Solar Plant over the college roof	80 Units/Day Rs. 1,70,000/-	Rs. 10.0 Lac	CHAPTER # E	SPP = 5 Years
2	9 Watt, Lamps	There are 7 nos. 100-Watt, Bulb. Please refer Tables # 4 & # 5 for the details. ❖ PROPOSAL: - To replace all these Lamps with 9-Watt LED Bulb. Please refer Table # 4 and F.7 for all the details	840 Units Rs. 7170/-	Rs. 700/-	Table # 4 F.7	SPP = 1 Month





## OPTIONS for ENERGY SAVING

Sl. No.	Area	Option for Energy Saving	Expected Saving – Qty.	Estd. Cost (Rs. Lac)	Ref.	Remarks
2	60-Watt Ceiling Fan replaced with 28W BLDC Fan	<p>There are 100 nos. 60-Watt Ceiling Fans. To replace these Ceiling Fans by BLDC. Energy Efficient Fans. Please refer Tables # 6 for the details.</p> <p>❖ <b>PROPOSAL:</b> - To replace all these Fans by 28-Watt BLDC Fans.</p> <p>❖ Please refer Table # 6 &amp; # 4 and G.3 for all the details</p>	<p>4608 Units</p> <p>Rs. 39168/-</p>	<p>Rs. 280000/-</p>	<p>Table # 4</p> <p># 6</p> <p>G.3</p>	<p>SPP = 7 Years</p>
3	To Replace Old Window AC with New Inverter Split AC	<p>There is 2 nos. 1.5 TR, Window AC Installed in the College. We recommend to install Energy Efficient AC with Inverter</p> <p>Please refer Tables # 9 for the details.</p> <p>❖ <b>PROPOSAL:</b> - To replace existing 2 nos. AC Units by Energy Efficient (4 or 5 Star) Inverter grade, AC Units, please refer Table # 7 and H.3 for all the details</p>	<p>720 Units</p> <p>Rs. 6,120/-</p>	<p>Rs. 70,000/-</p>	<p>Table # 7</p> <p>H.3</p>	<p>SPP = 11 Years</p>





## CHAPTER # D

## Power System &amp; Electricity Billing

**D.1 Brief Introduction**

Electricity Supply come from AVVNL in the Main Meter 3 Phase LT Voltage – 415 Volt. In this area Postpaid Meters are installed there are no Electricity Billing Provide by the Electricity Board. **Sanction Load is 17.78 KVA.**

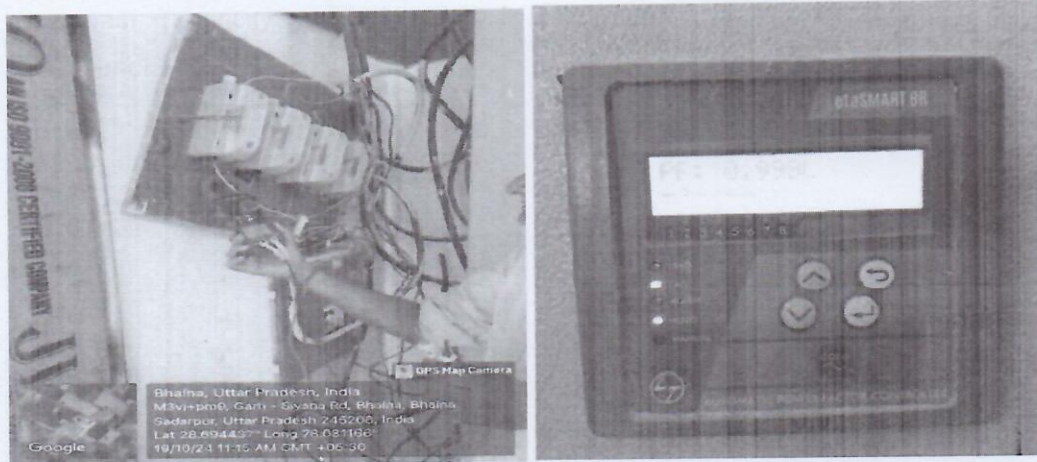
In the College area

- Main Electricity board 17.78 KW Sanction Load is only for Borewell, Air Condition, Computers, Fans, Lights and Fountain.
- DG Supply used only for Emergency and Power Failure.

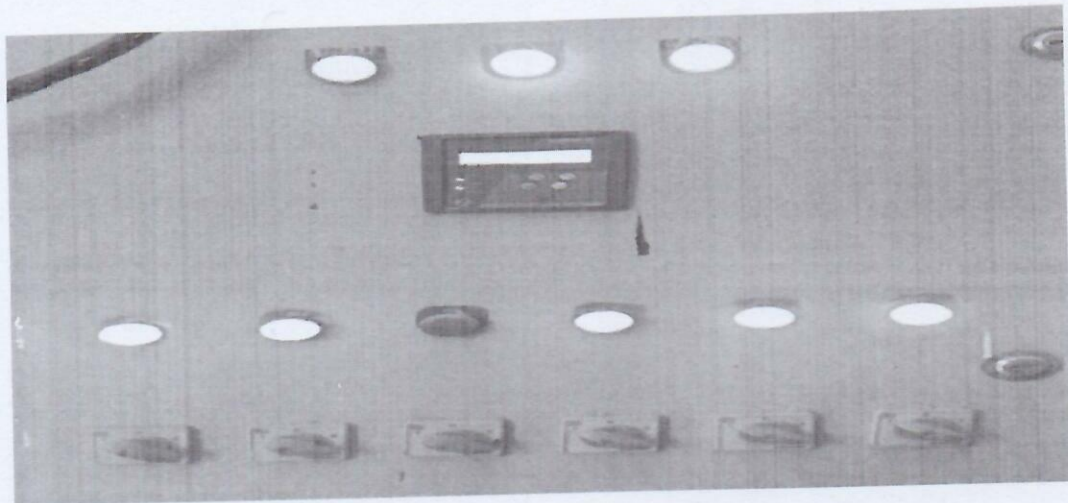
Table # 1

Main I/C Power Measurement data

Particulars	Phase	Measured Parameters				Remarks
		Vol	Amp	KW	PF	
Main Incomer	R	226	25.4	5.3	0.93	APFC Working Very Efficiently, Auto On/OFF
	Y	227	7.4	1.5	0.9	
	B	225	5.4	1.1	0.94	
<b>Total</b>	<b>3-<math>\phi</math></b>	<b>392</b>	<b>12.7</b>	<b>8.1</b>	<b>0.94</b>	



APFC Panel working very efficiently in Auto mode. Power Factor is 0.995 which is Excellent.



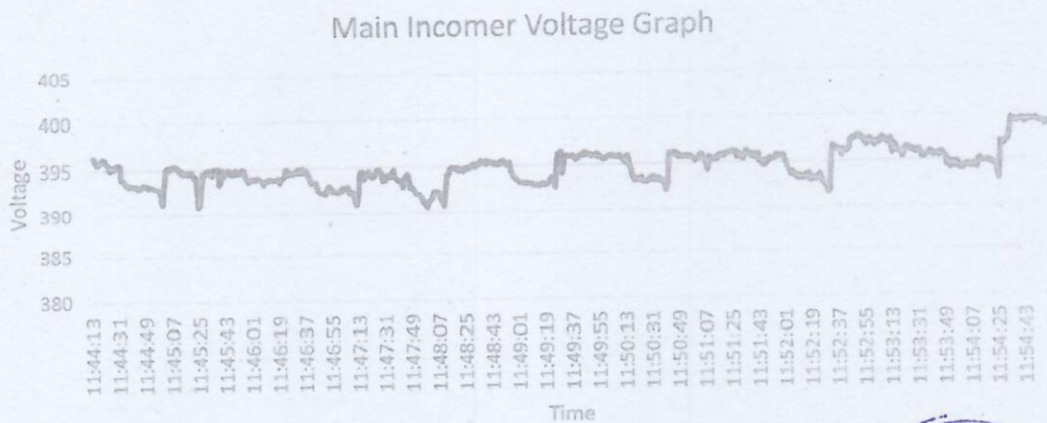
### D.2 Power Data Logging

We have measured and data logging of all the related Power parameters of the main incomer and plotted the graph, we have measured following parameters-

- a) Voltage - Graph # A
- b) Ampere - Graph # B
- c) Power – KW - Graph # C
- d) Power factor - Graph # D
- e) Total Harmonics Distortion - Graph # E

Summary of the Graph Plotted are given in the below

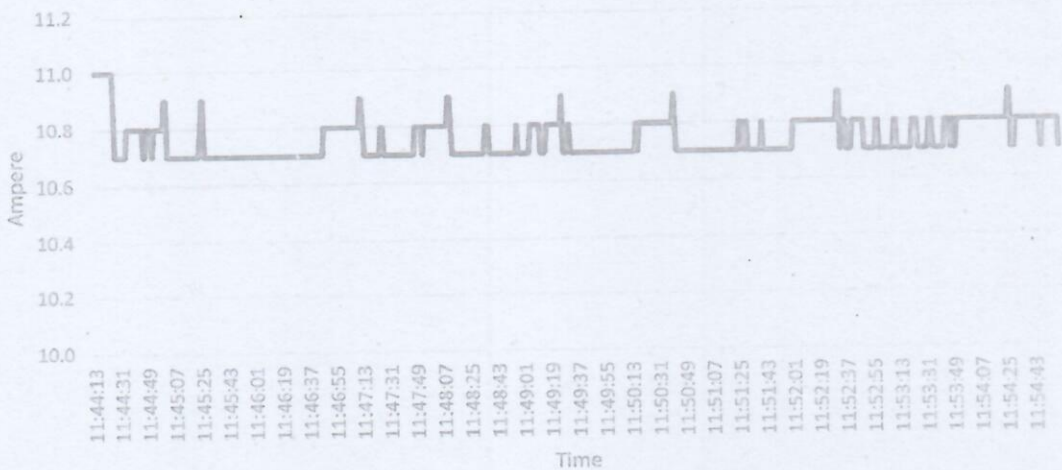
**Graph # A**  
**Main Incomer Voltage Variation Graph**





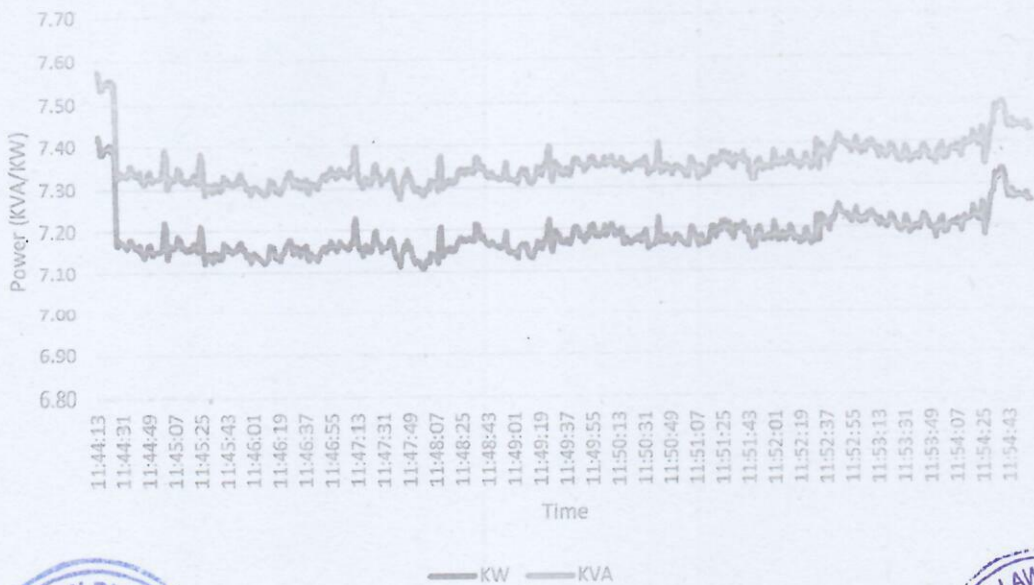
### Graph # B Main Incomer Current Variation Graph

Main Incomer Ampere Graph

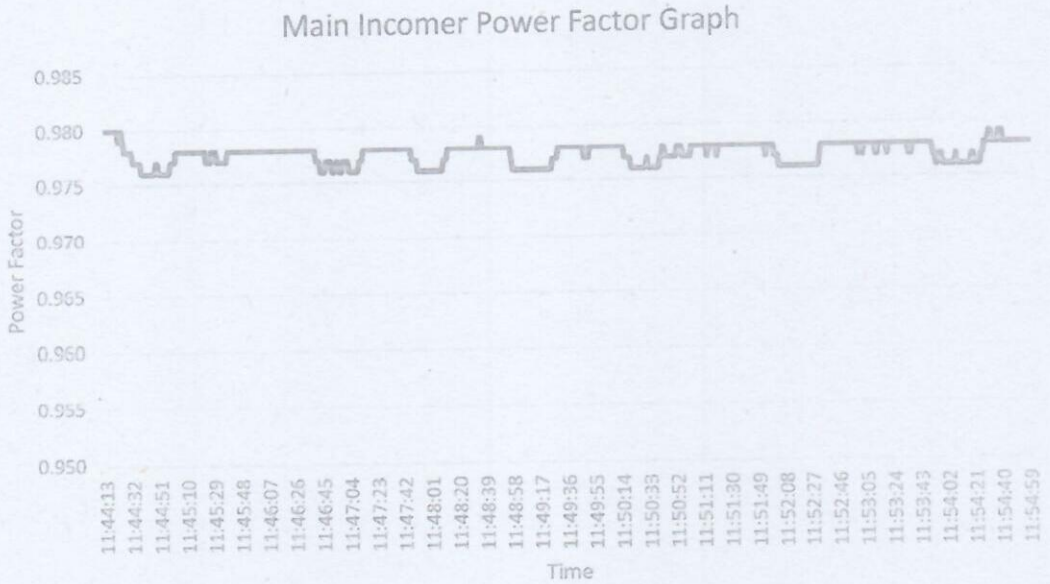


### Graph # C Main Incomer Power (KW) Variation Graph

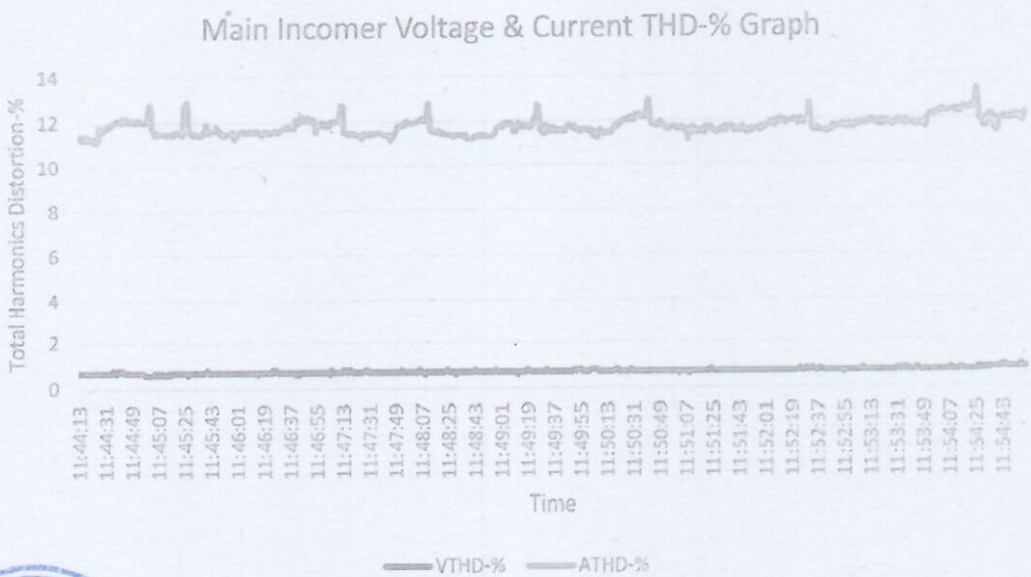
Main Incomer KVA & KW Power Graph



**Graph # D**  
**Main Incomer Power Factor Variation Graph**



**Graph # E**  
**Main Incomer Voltage THD-% variation Graph**





## Electricity Billing

### D.3 Introduction

Received Power Supply from PVVNL. Pashchimanchal Vidyut Vitran Nigam Limited is one of the distribution companies responsible for electricity distribution in UP West, UP, India. Postpaid billing in PVVNL typically involves receiving a monthly bill for the electricity consumed during that billing cycle. Here's a general overview of how **postpaid billing** works with PVVNL:

1. **Monthly Meter Reading:** PVVNL's representatives or automated systems read your electricity meter on a monthly basis. This reading measures the amount of electricity your commercial establishment has consumed during that month.
2. **Energy Consumption Calculation:** Based on the meter reading, PVVNL calculates the total energy consumption in kilowatt-hours (kWh) for the billing period.
3. **Billing Components:** The postpaid electricity bill for your commercial establishment from PVVNL may include several components, such as:
  - **Fixed Charges:** These charges cover the basic service and infrastructure costs associated with providing electricity to your establishment.
  - **Energy Charges:** These charges are based on the actual amount of electricity consumed, measured in kWh.
  - **Demand Charges:** If your connected load exceeds a certain threshold, demand charges may apply based on the highest demand recorded during the billing period.
  - **Taxes and Surcharges:** Applicable taxes and government-mandated surcharges, such as GST (Goods and Services Tax), might be added to the bill.
  - **Late Payment Charges:** If you don't pay your bill by the due date, late payment charges may apply.
  - **Power Factor Penalty:** If your power factor is below a certain threshold, a penalty may be added to the bill to encourage efficient energy usage.

- Billing Cycle:** PVVNL typically follows a monthly billing cycle, where a new billing period starts after the previous one ends. Your electricity consumption is then recorded for the new cycle.

One year's Electricity Billing Provided by the PVVNL Tabulated in the Table #





Table # 2

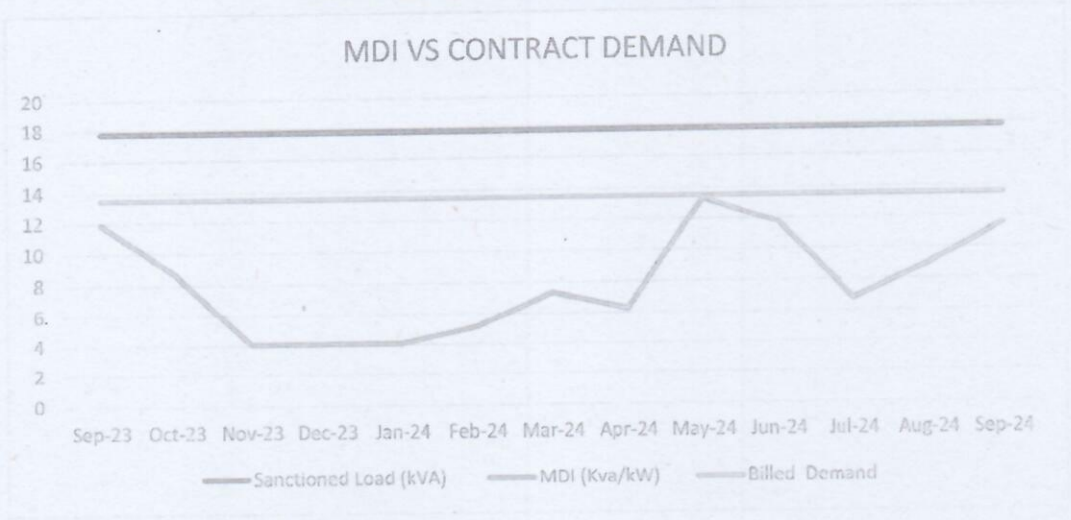
Monthly Electricity Billing 2023-2024

Sl. No.	Month (File Name)	Month (Printed On Bill)	Sanctioned Load (kVA)	MDI (KVA)	Billed Demand (KVA)	Total Energy Consumption (kVAh)	Total Energy Consumption (kWh)	PF	Energy Charge (Rs) (A)	Fixed Charges (Rs.) (B)	Total Charge	Unit/KWH	
1	Sep-23	02-SEPT-2023 to 02-OCT-2023	17.78	11.90	13.5	1068	1060	0.993	8651	4252	13918	13	
2	Oct-23	02-OCT-2023 to 19-NOV-2023	17.78	8.62	13.5	832	823	0.989	6742	4252	11827	14	
3	Nov-23	19-NOV-2023 to 17-DEC-2023	17.78	4.06	13.5	767	759	0.990	6213	4252	11280	15	
4	Jan-24	17-DEC-2023 to 22-JAN-2024	17.78	4.11	13.5	770	759	0.986	6237	4252	11172	15	
5	Feb-24	22-JAN-2024 to 17-FEB-2024	17.78	5.20	13.5	704	695	0.987	5702	4252	10708	15	
6	Mar-24	17-FEB-2024 to 18-MAR-2024	17.78	7.35	13.5	810	779	0.962	6561	4252	11525	15	
7	Apr-24	18-MAR-2024 to 07-APR-2024	17.78	6.28	13.5	972	959	0.986	7872	4252	12926	13	
8	May-24	7-APR-2024 to 01-MAY-2024	17.78	13.27	13.5	1629	1623	0.996	13192	4252	18632	11	
9	Jun-24	01-MAY-2024 to 04-JUN-2024	17.78	11.68	13.5	1863	1848	0.992	15089	4252	20618	11	
10	Jul-24	04-JUN-2024 to 04-JUL-2024	17.78	6.78	13.5	1143	1134	0.992	9258	4252	11081	10	
11	Aug-24	04-JUL-2024 to 01-AUG-2024	17.78	8.93	13.5	978	971	0.993	7925	4252	12955	13	
12	Sep-24	01-AUG-2024 to 02-SEP-2024	17.78	11.47	13.5	1302	1295	0.995	10542	4252	15783	12	
<b>Total</b>							<b>12837</b>	<b>12706</b>	<b>0.990</b>	<b>103984</b>	<b>51024</b>	<b>162423</b>	<b>13</b>

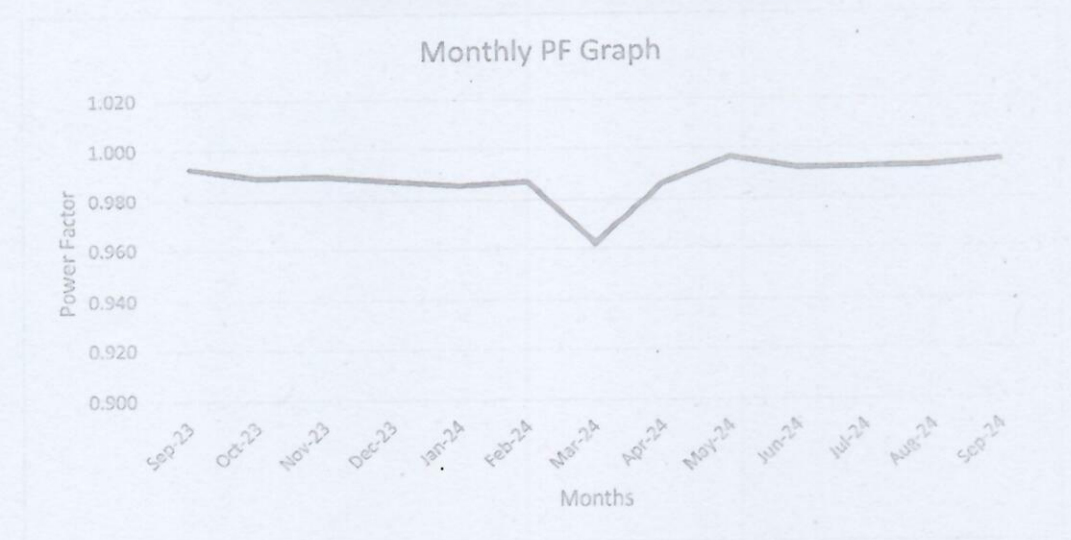
Note - Taking @ Rs. 8.50/- per Unit Charge for the Calculation.



**Graph # F**  
**MDI vs Contract Demand – 2023-24**



**Graph # G**  
**Monthly Power Factor Graph – 2023-24**





## CHAPTER # E

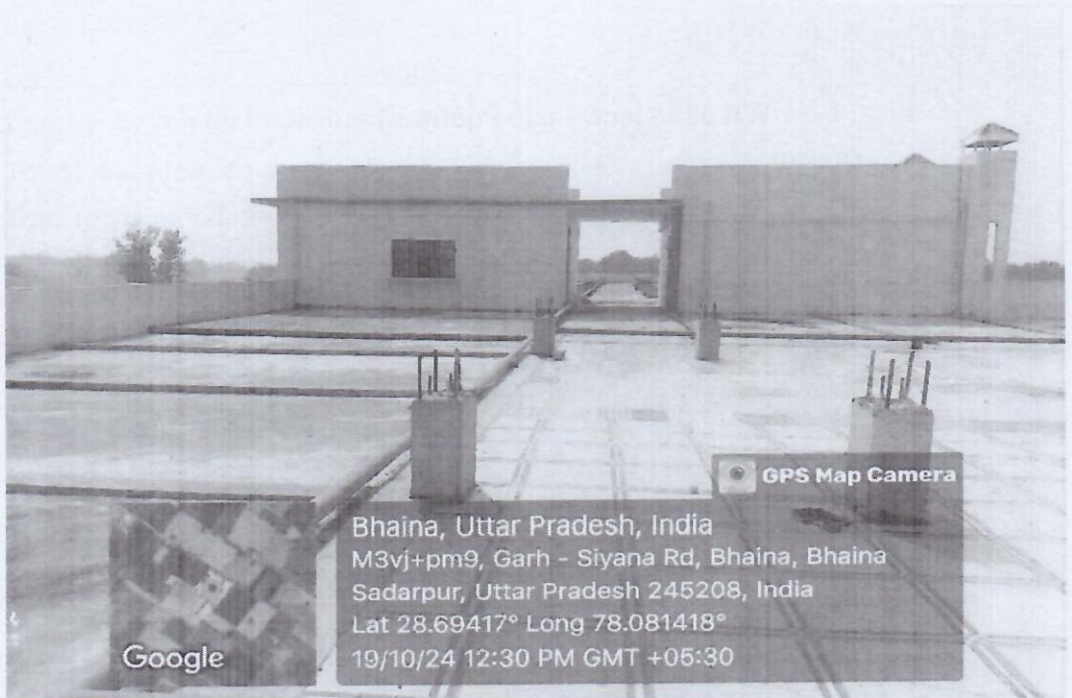
## SOLAR SYSTEM

**E.1 Introduction**

We are suggested to installed Roof Top Solar plant to the Management and management has been agree to install. There are hues space available on the roof of the building

**ECM.1 Option for Energy Saving****Energy saving by installing Rooftop solar Panel of 20 KW**

Total Land Area required for Solar panel installed	:	4000 ft <sup>2</sup>
Total recommended solar pant capacity	:	20 KW
Approx. cost @ Rs. 50,000/- per KW	:	Rs. 10 Lacs
Expected energy saving @ day	:	80 units/day
Monetary saving @ Rs. 8.50 per unit	:	Rs. 680/day
<b>Annual saving for 250 days</b>	:	<b>Rs. 170,000/-</b>
<b>Investment</b>	:	<b>10 Lacs</b>
<b>Payback period</b>	:	<b>5.88 years</b>



Installing a solar system in a college area can be a great initiative for promoting renewable energy, reducing carbon emissions, and providing educational opportunities for students. Here's a general outline of the steps involved in planning and implementing a solar system installation:

1. **Feasibility Study:** Conduct a feasibility study to determine if the college area is suitable for solar energy generation. This involves assessing factors such as available sunlight, shading, roof orientation, and space availability for solar panels.
2. **Budgeting and Funding:** Determine the budget required for the solar system installation, including the cost of solar panels, inverters, mounting structures, wiring, labor, permits, and any additional components. Explore funding options, such as grants, government incentives, private donations, and collaborations with local businesses or energy providers.
3. **System Design:** Collaborate with solar energy professionals or consultants to design the solar system. This design should take into account the energy needs of the college, available space, orientation of roofs, and any technical requirements.
4. **Installation:** Coordinate the installation process, which includes mounting the solar panels, installing inverters, connecting the wiring, and ensuring proper grounding. Work closely with the installation team to ensure everything is done correctly.
5. **Monitoring and Maintenance:** Implement a system for monitoring the solar energy production and performance. Regular maintenance, such as cleaning panels and checking for any malfunctions, will ensure the system operates efficiently over its lifespan.
6. **Integration with College Curriculum:** Incorporate the solar system into the college's educational curriculum. Use it as a practical example for teaching students about renewable energy, sustainability, and environmental impact.
7. **Community Engagement:** Raise awareness about the solar installation among students, staff, and the local community. Host informational sessions, workshops, or open houses to showcase the benefits of solar energy and encourage wider adoption.





8. **Data Collection and Analysis:** Gather data on energy production, savings, and carbon reduction achieved through the solar system. Analyze the data to measure the project's success and identify areas for improvement.
9. **Public Relations and Reporting:** Share the success of the solar installation through press releases, social media, and other communication channels. Provide regular updates on energy savings and environmental impact to showcase the college's commitment to sustainability.
10. **Expansion and Future Upgrades:** Consider the potential for expanding the solar system in the future or incorporating other renewable energy sources. Stay updated on advancements in solar technology to assess the feasibility of upgrades that can enhance energy production and efficiency.

Remember that every installation will have unique requirements based on location, budget, and specific goals. It's important to collaborate with experts and professionals throughout the process to ensure a successful solar system installation in your college area.



## CHAPTER # F

## LIGHTING &amp; LUX Level

**F.1 Introduction:**

This report outlines the benefits and considerations of replacing old lighting systems with new, energy-efficient lighting technologies. In recent years, energy efficiency has become a top priority for many organizations, with lighting accounting for a significant portion of energy usage in commercial and residential buildings. Replacing old lighting systems with more efficient alternatives can offer numerous benefits, including cost savings, improved lighting quality, and reduced environmental impact.

**F.2 Benefits of energy-efficient lighting:**

Energy-efficient lighting technologies, such as LED (Light Emitting Diode) lighting, offer numerous benefits over traditional lighting systems. LED lighting uses significantly less energy than traditional incandescent bulbs, reducing energy consumption and associated costs. Additionally, LED lighting can last up to 25 times longer than traditional bulbs, reducing maintenance costs and the need for frequent bulb replacements.

Another significant benefit of energy-efficient lighting is improved lighting quality. LED lighting offers more consistent and uniform lighting, with a higher color rendering index (CRI) than traditional lighting systems. This can enhance visibility and comfort, improving the overall quality of the space.

**F.3 Considerations:**

When considering a transition to energy-efficient lighting, there are several factors to consider. The initial cost of new lighting technologies can be higher than traditional systems, although this cost can often be offset by long-term energy savings and reduced maintenance costs. Additionally, the installation process may require specialized equipment or expertise, and may require temporary disruption to the space.

Another consideration is the compatibility of new lighting technologies with existing electrical systems. Older electrical systems may not be able to support





the power requirements of energy-efficient lighting technologies, requiring upgrades or modifications to the electrical system.

#### F.4 Conclusion:

Replacing old lighting systems with new, energy-efficient lighting technologies can offer numerous benefits, including cost savings, improved lighting quality, and reduced environmental impact. However, it is important to carefully consider the initial costs and installation requirements, as well as compatibility with existing electrical systems. With careful planning and implementation, transitioning to energy-efficient lighting can be a smart investment for organizations looking to improve energy efficiency and reduce costs

#### F.5 Major Observations

- ◆ Several Effective Steps have already been undertaken
- ◆ Necessary Steps are being undertaken to avoid operations of any unwanted lighting.

#### F.6 Summary of Light Fittings

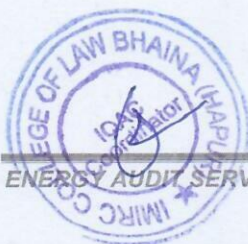
All the lighting has been surveyed and the details are being summarized Room- Wise.

Table # 3

#### Summary of Floor Wise Lightings & Fans

Sl. No.	Details	Units	Actionable
1	15 Watt LED	236	O.K.
2	9 Watt LED	88	O.K.
3	40 Watt LED	13	O.K.
4	52 Watt Ceiling Fan	275	Change with 28Watt BLDC Fan
5	20 Watt LED T/L	28	O.K.
6	100 Watt Old Bulb	7	O.K.

- Lights are optimized very efficiently.
- During Audit most of the lights are already switched off condition, Rooms Day light available.
- Remaining Old 100-Watt Bulb – 7 Nos.



**F.7 Option for Energy Saving to Change old Bulb with LED Bulb**

In the above table we have observed that there are 7 nos. Old 100Watt Bulb are remaining in the premises.

It is suggested that Changes old Bulb to New 9-Watt LED Bulb.

Total old Type Nos. of Bulb are Installed	= 7 Nos.
7 Nos. Old Light Power Consumption	= 100W x 7Nos. x 220D x 6Hrs. = 924 Units
New 7 Nos. LED Light Power Consumption	= 9W x 7 Nos. x 1320 Hrs. = 83.16 Units
Annual Energy Saving	= 924 – 83.16 Units = 840 Units
@ Rs. 8.50 per Unit,	= Rs. 7170/-
Estimated Cost of 7 nos. 9 Watt LED	= Rs. 700/-
Simple Payback	= 1.0 Months

**Summary**

Most of the Lights are LED in the College area. We have identified the all-areas Lighting & Fans and tabulated in the Summary table

**Table # 4**  
**Floor Wise Lightings & Fans Details**

Sl. No.	Location	15 Watt LED	9 Watt LED	40 Watt LED	52 Watt Ceiling Fan	20 Watt LED T/L
1	F/F Office		32			
2	Computer Lab	5			6	
3	First Floor					
4	CR-7	2			4	
5	Museum				4	
6	CR-6	4			8	
7	CR-8	0			6	
8	CR-9	2			6	
9	Auditorium	65			14	
10	Wall Mounted Fan - 2				2	



Sl. No.	Location	15 Watt LED	9 Watt LED	40 Watt LED	52 Watt Ceiling Fan	20 Watt LED T/L
11	CR-10	4			4	
12	Glass Office	2			2	
13	CR-12	4			4	
14	CR-11	4			4	
15	Small Office	2				
16	1st Floor Corridor	15				
17	CR-3	2			4	
18	CR-4	2			4	
19	CR-2	5			6	
20	CR-1	5			6	
21	Library	6			13	
22	2nd Floor					
23	MOOT COURT	6			8	
24	Library	4			6	
25	Store	1			1	
26	Lobby	2				
27	Vacant Room	4			4	
28	Biology Lab	4			2	
29	Physics Lab	2			1	
30	Transparent Room	2			2	
31	Ground Floor					
32	CR-16	4				
33	CR-15	4				
34	Store Room	2				
35	Vacant Room	2				
36	Mech Lab	2			2	
37	Store Room	2				
38	Corridor				9	
39	CR-25	2				
40	Kitchen					
41	Store Room					
42	Class Room 17	6			2	

Sl. No.	Location	15 Watt LED	9 Watt LED	40 Watt LED	52 Watt Ceiling Fan	20 Watt LED T/L
43	Mech Lab (ITI)	4			2	
44	CR-19	4			2	
45	CR-18	4			1	
46	CR-21					
47	CR-20	3			1	
48	Chemistry Lab	2			2	
49	CR-23	4			2	
50	CR-24	4			2	
51	Corridor				5	
52	Main Entrance Corridor			2		
53	Director Office			5	4	
54	Staff Room			6	4	
55	Student Cell Combined 2 Room		2		4	
56	2nd Building Back Side					
57	D-Pharma Build G/F					
58	Principal		1		2	2
59	M/C Room		1		3	
60	First Aid Centre				2	2
61	Pharmaceutics		3		3	3
62	Pharmacognosy		7		6	3
63	Pharmacognosy		6		6	
64	Pharmaceutics		5		6	
65	Biotechnology				8	4
66	Pharma Chemistry		5		6	
67	Canteen				2	
68	Corridor		19		2	
69	D-Pharma Build 1st Floor					
70	CR-1				4	
71	Girls Common Room		1		2	
72	CR-2				4	
73	CR-5				4	





Sl. No.	Location	15 Watt LED	9 Watt LED	40 Watt LED	52 Watt Ceiling Fan	20 Watt LED T/L
74	CR-3				4	
75	CR-6				6	
76	CR-4				3	
77	CR-7				4	
78	Library Store Room		1		3	
79	CR-8				4	
80	Library		4		12	
81	Canteen Kitchen		1			
82	Canteen Hall Area				10	10
83	Office Area G/F					
84	Reception Side	33			2	
85	Security				1	1
86	Security 3 Nos. Room				3	3
87	<b>Total</b>	<b>236</b>	<b>88</b>	<b>13</b>	<b>275</b>	<b>28</b>

We have measured Lux level of all the area during audit and found most of the rooms days light available. During Audit due to day light availability most of the lights are switched off.

**Table # 5**

**Floor Wise Lux Measurement data**

Sl. No.	Location	Lux Level	Remarks
1	F/F Office	82, 78, 76, 88	
2	Computer Lab	56, 62, 67, 78	
3	<b>First Floor</b>		
4	CR-7	55, 40, 60, 80	
5	Museum	69, 73, 59, 77	
6	CR-6	82, 78, 76, 87	
7	CR-8	56, 62, 67, 78	
8	CR-9	55, 40, 60, 80	
9	Auditorium	69, 73, 59, 74	
11	CR-10	45, 44, 50, 53	



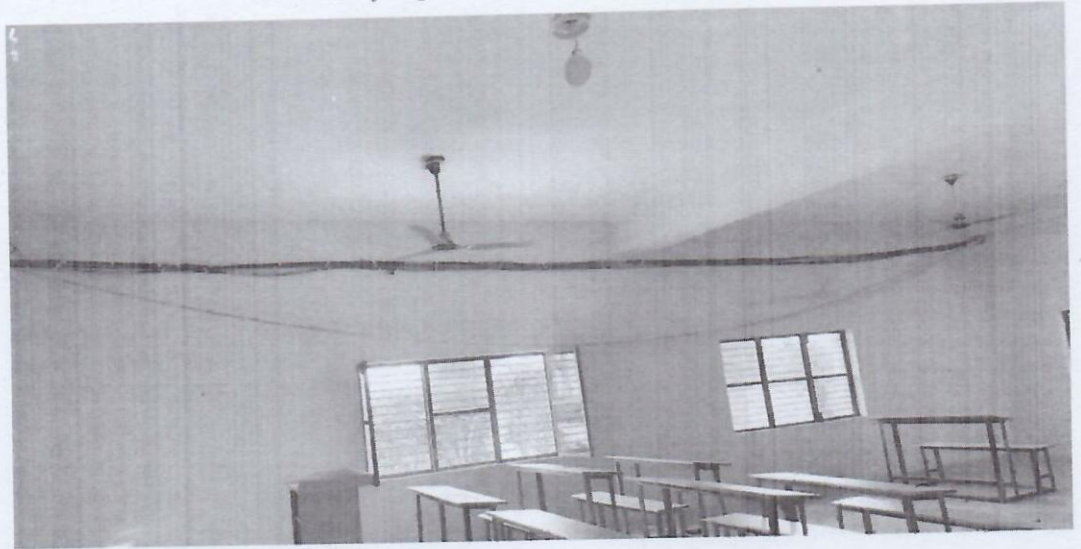
Sl. No.	Location	Lux Level	Remarks
12	Glass Office	102, 96, 120, 180	
13	CR-12	102, 96, 120, 180	
14	CR-11	156, 172, 188, 190	
15	Small Office	176, 188, 210, 215	
16	1st Floor Corridor	200, 210, 199, 211	
17	CR-3	155, 175, 178, 222	
18	CR-4	213, 250, 244, 234	
19	CR-2	120, 140, 133, 151	
20	CR-1	102, 112, 116, 134	
21	Library	153, 132, 143, 139	
22	<b>2nd Floor</b>		
23	MOOT COURT	102, 96, 120, 180	
24	Library	176, 188, 210, 215	
25	Store	200, 210, 199, 211	
26	Lobby	155, 175, 178, 222	
27	Vacant Room	213, 250, 244, 234	
28	Biology Lab	153, 132, 143, 139	
29	Physics Lab	102, 96, 120, 180	
30	Transparent Room	200, 210, 199, 211	
31	<b>Ground Floor</b>		
32	CR-16	213, 250, 244, 234	
33	CR-15	120, 140, 133, 151	
34	Store Room	102, 112, 116, 134	
35	Vacant Room	153, 132, 143, 139	
36	Mech Lab	213, 250, 244, 234	
37	Store Room	176, 188, 210, 215	
38	Corridor	290, 256, 188, 192	
39	CR-25	102, 96, 120, 180	
40	Kitchen	200, 210, 199, 211	
41	Store Room	155, 175, 178, 222	
42	Class Room 17	213, 250, 244, 234	
43	Mech Lab (ITI)	120, 140, 133, 151	
44	CR-19	102, 112, 116, 134	
45	CR-18	153, 132, 143, 139	



Sl. No.	Location	Lux Level	Remarks
46	CR-21	213, 250, 244, 234	
47	CR-20	176, 188, 210, 215	
48	Chemistry Lab	280, 156, 188, 192	
49	CR-23	102, 96, 120, 180	
50	CR-24	188, 176, 190, 110	
51	Corridor	112, 153, 145, 165	
52	Main Entrance Corridor		
53	Director Office	102, 96, 120, 180	
54	Staff Room	82, 78, 76, 88	
55	Student Cell Combined 2 Room	56, 62, 67, 78	
56	<b>2nd Building Back Side</b>		
57	<b>D-Pharma Build G/F</b>		
58	Principal	82, 78, 76, 87	
59	M/C Room	56, 62, 67, 78	
60	First Aid Centre	55, 40, 60, 80	
61	Pharmaceutics	69, 73, 59, 74	
62	Pharmacognosy	Closed	
63	Pharmacognosy	45, 44, 50, 53	
64	Pharmaceutics	102, 96, 120, 180	
65	Biotechnology	102, 96, 120, 180	
66	Pharma Chemistry	156, 172, 188, 190	
67	Canteen	176, 188, 210, 215	
68	Corridor	200, 210, 199, 211	
69	<b>D-Pharma Build 1st Floor</b>		
70	CR-1	213, 250, 244, 234	
71	Girls Common Room	120, 140, 133, 151	
72	CR-2	102, 112, 116, 134	
73	CR-5	153, 132, 143, 139	
74	CR-3	300, 99, 132, 113	
75	CR-6	102, 96, 120, 180	
76	CR-4	176, 188, 210, 215	
77	CR-7	200, 210, 199, 211	
78	Library Store Room	155, 175, 178, 222	
79	CR-8	213, 250, 244, 234	

Sl. No.	Location	Lux Level	Remarks
80	Library	153, 132, 143, 139	
81	Canteen Kitchen	102, 96, 120, 180	
82	Canteen Hall Area	200, 210, 199, 211	
83	Office Area G/F	155, 175, 178, 222	
84	Reception Side	213, 250, 244, 234	
85	Security	120, 140, 133, 151	
86	Security 3 Nos. Room	102, 112, 116, 134	

## Day Light Available in the Room





## F.9 OBSERVATION & RECOMMENDATION:

LED lights are an excellent option for energy-saving compared to traditional incandescent and fluorescent lights. They offer better energy efficiency, longer lifespan, and lower maintenance costs. When choosing LED lights, consider the following options to maximize energy savings:

1. **LED Bulbs:** LED bulbs are a direct replacement for traditional incandescent bulbs and are available in various shapes, sizes, and color temperatures. They consume significantly less energy and last much longer.
2. **LED Tubes:** LED tubes are ideal for replacing fluorescent tubes in commercial and residential settings. They consume up to 50% less energy than traditional fluorescent tubes and can last up to 3-4 times longer.
3. **LED Spotlights:** LED spotlights are perfect for highlighting specific areas or objects. They are available in different beam angles and wattages, consuming minimal energy while providing focused light.
4. **LED Strips:** LED strips are flexible, versatile, and energy-efficient lighting solutions. They are commonly used for accent lighting, backlighting, and decorative purposes.
5. **Smart LED Lighting Systems:** Smart LED systems offer additional energy-saving features, such as dimming and scheduling options. Some systems can be controlled remotely through smartphones or voice assistants, allowing you to adjust lighting according to need.
6. **LED Outdoor Lighting:** LED outdoor fixtures like street lights, floodlights, and garden lights are highly energy-efficient and reduce electricity consumption significantly compared to conventional lighting options. When selecting LED lights for energy savings, pay attention to the following factors:
  - **Lumens:** Lumens indicate the brightness of the light, so choose LEDs with the appropriate lumens for your specific needs to avoid over-illumination.



**CHAPTER # G****CEILING FANS****G.1 Introduction**

In the College, there are 275 Ceiling fans are installed total 3 nos. Floor. We have checked all fans and tabulated in the following table. During Audit we observed that only 50% fans are operated. We have identified the Fans which is running continuously and tabulated in the Table: -

There are 275 fans Total in the college premises. we are taking only 100 running fans for calculation -

Total Ceiling Fans Installed in the College = 275 Nos.

We are taking calculation for running only = 100 Nos.

**G.2 Option for Energy Saving**

We have observed that in the College there are **100 Nos.** Ceiling Fan are running continuously, we have suggested that changed all the Normal Ceiling fans to BLDC fans. It is suggested that changed all fans first which is operating hours is very high. In the following Table We have given all calculation in the Table

Speed	BLDC Motor Fans	Regular Ceiling Fans
1 (lowest)	6 Watts	16 Watts
2	10 Watts	27 Watts
3	14 Watts	45 Watts
4	19 Watts	55 Watts
5 (highest)	28 Watts	75 Watts





**G.3 Option for Energy Saving**

Energy Saved by Replacing 100 Nos. Old Type Ceiling fan with New Energy Efficient BLDC Ceiling Fans.

**Table # 6**  
**Saving Calculation of the Ceiling fans**

Sl. No.	Location	Nos.	
1	Old Fan Power	60	Watt
2	Energy Efficient fan (BLDC) Power	28	Watt
3	Hourly Energy Saved per Fan	32	Watt
4	Total Nos. of fan	100	Nos.
5	Annual Operating Hours (180 x 8)	1440	Hrs.
6	Annual Energy Saved	<b>4608</b>	<b>KWH</b>
7	Annual Saving @ Rs. 8.50 per Unit	<b>39168</b>	<b>Rs.</b>
8	Estimated Cost of 100 BLDC Fans	<b>280000</b>	<b>Rs.</b>
9	Simple Payback	<b>7.0</b>	<b>Years</b>



Old Type Ceiling fans are installed in the classroom



## Chapter # H

## Air Conditioner System

H.1 Introduction

In the College area total 5 nos. AC are installed. 2 Nos. Old Window & 3 Nos. New Invertor Split AC. During Audit we have observed that all AC set temperature below 24 °C, as per BEE Standard Temperature should not be less than Standard temperature for power saving.

As per the Bureau of Energy Efficiency (BEE), the ideal temperature for the human body is 24 and any AC will take less load to achieve that target. So, it is better to set the AC temperature around 24. This will save more electricity and also cut down the amount of bill.

We have measured mostly AC power & Performance measurement data on the sample basis and found the result in below table: -

We have Covered all the related Parameters Following –

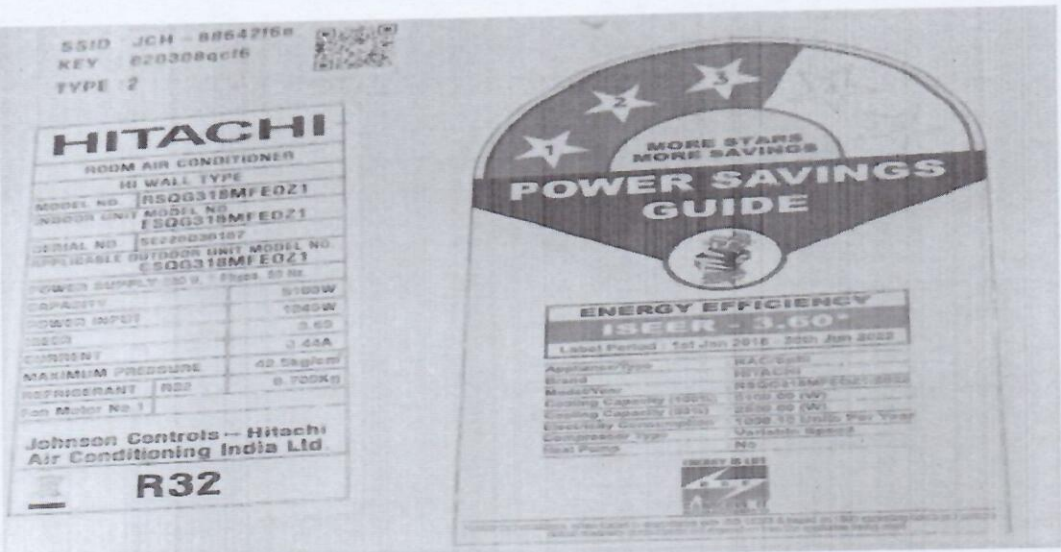
1. Power Measurement
2. Star Rating
3. Make
4. Capacity in TR
5. Type of AC
6. Year of Installation

Table # 7

AC Power Measurement data

Sl. No.	Particulars	Rated TR	Measured Parameters				Type
			Vol	Amp	KW	PF	
1	G/F Office AC	1.5 Ton	208	7.3	1.5	0.96	Old Window
2	F/F Office	2 Ton	209	5.5	1.1	0.99	Split Invertor
3	Computer Lab AC-1	1.5 Ton	208	3.9	0.80	0.99	Split Invertor
4	Computer Lab AC-2	1.5 Ton	209	4	0.82	0.98	Split Invertor
5	D Pharma Office	1.5 Ton	Not Operating				Old





New Inverter AC Label

Inverter Drive ACs are Energy Efficient by Design and consuming less power as compare to old type AC.

When it comes to inverter air conditioner vs conventional, the main difference is that inverter ACs allow continuous regulation of temperature (compressor motor speed is controlled). In contrast, old AC units only have stop-start cycles (compressor motor is either on or off). As a result, inverter ACs are said to be more energy-efficient. These can have a 30-50% better efficiency than conventional ACs. In addition, the units eliminate sharp fluctuations in the load.

In terms of energy savings, an inverter AC is always the best option. In these systems, the compressor runs at a lower speed when necessary but does not switch off completely until the unit is switched off. Conversely, in non-inverter ACs, the compressor starts and stops frequently, leading to higher power consumption.

Other option for Power Saving is that Installed Energy Saver Device on the AC that we can save up-to 40 % Power Saving.



### H.3 Option for Energy Saving by installing energy saver in Old AC

It is suggested that to replace Remaining 2 nos. Old window AC. As per the measurement of the old and New AC. comparison study will be conducted, We can save Power up-to 40 % of the total consumption.

Total Power Consumption of 2 Nos. AC	= 3.0 KW
Estimated Power Saving	= 40 % (Marginal Side)
	= 1.20 KW
Estimated Annual Power Saving	= 1.20 KW x 100 Days x 6 Hrs.
	= 720 Units
@ Rs. 8.50 per Unit	= <b>Rs. 6120/-</b>
Estimated Investment	= 2 Nos. x Rs. 35000/-
	= <b>Rs.70,000/-</b>
Payback	= <b>11 Years</b>
Seems higher payback due to less operating hours and days.	





## Chapter # I

## Diesel Generator

Introduction

College has installed 1 – 30 KW DG sets, which is operating only in power failure or Emergency condition.

Month Wise Diesel Consumption data is tabulated in the Following table –



Table # 8

Month Wise HSD Consumption

Sl. No.	Date	HSD Consumption (Ltr.)	Unit Generation (KWH)
1	27.01.2024	39.55	119
2	30.01.2024	59.59	179
3	28.02.2024	53.55	161
4	22.03.2024	62.35	187
5	30.04.2024	58.25	175
6	25.05.2024	60.3	181
7	28.06.2024	56.97	171
8	21.07.2024	49.22	148
9	29.08.2024	68.55	206
<b>Total 8 Months</b>		<b>508</b>	<b>1525</b>
<b>Estimated 12 Months</b>		<b>762</b>	<b>2287</b>

## Chapter # J

## Power Measurement

Introduction

We have measured power parameters of all the equipment and related information which is tabulated in the following table -

**Table # 9**  
**Power Measurement of the Pumps and others**

Sl. No.	Particulars	Rated Power	Measured Parameters				Remarks
			Vol	Amp	KW	PF	
1	Bore-well	7.5 KW	387	13.2	7.3	0.82	30 min/day
2	Fountain Pump	2.2 KW/ 5.5 KW	392	5.23	3.1	0.88	5 Hrs/Day
3	Submersible Pump	2.2 KW/ 5.5 KW	202	11	2.1	0.93	1 Hrs/day
4	Water Cooler (Voltas)		200	1.8	0.3	0.85	6 Hrs/Day

Conclusion

Operating time of the borewell is very less so we are not projecting any saving herewith.





APPENDIX - II



# IMIRC COLLEGE OF LAW

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## Activity Report

<b>Academic Year</b>	2019-20
<b>Name of Activity</b>	Plantation Program
<b>Activity Date</b>	15/08/2019
<b>Organized By</b>	Extension Activity Cell
<b>Number of Teachers</b>	39
<b>No. of Students</b>	902
<b>Objective</b>	To Aware about oppportunity to feel nature and plantation
	<p>IMIRC College of Law ,Bhaina, District Hapur is celebrating tree plantation week as per the instructions of the government, in which village Pradhan of Bahina Sadarpue Panchayat Shri Amit Singh participated as the chief guest in the first day program today. The Principal of the college and other officials started it by planting trees in the college premises. On this occasion, the village head Shri Amit Singh Ji said that our work is not fulfilled by just planting trees, but it is our responsibility to keep every planted tree alive, it flourishes and takes care of it. He praised this noble work of the college. Manager Dr. Rajendra singh Tomar said that each tree provides facilities of about Rs 1000000 to the people throughout its life, the tree provides fruits, flowers, wood, medicines and most importantly oxygen to the people and the value of that oxygen has come to know to all of us at the time of disaster like Corona. Is. How much has been the cost of each oxygen cylinder and how many cylinders have we taken oxygen in our entire life, which trees give us free, so if we want to save life, then of course trees have to be planted. Principal Dr. Sandeep Kulshrestha said that life cannot be imagined in the absence of trees. Trees are very important for monsoon, today the monsoon is deteriorating, the direct reason for which is excessive cutting of trees, so we all should take a pledge that we must plant at least 2 trees in our lives and take responsibility for them and take care of them and give them an opportunity to flourish. IQAC in-charge Dr. Suraj said that if there is a season of fruits at this time, then we should do one thing that do not throw the kernels of these fruits but keep them dry and after drying, wherever we go, throw these kernels on the empty places on</p>







## Report on Tree Plantation Event

Date: 15th August 2020

Venue: IMIRC College of Law

Time: 10:00 am

### Introduction

IMIRC College of Law celebrated India's 74th Independence Day by organizing a Tree Plantation event on 15th August 2020. The event aimed to promote environmental awareness and encourage students, faculty, and staff to contribute to a greener future.

### Objectives

1. To promote environmental awareness and education.
2. To encourage students, faculty, and staff to participate in tree plantation activities.
3. To contribute to a greener and more sustainable environment.

### Event Details

The event commenced with a welcome address by [Name], Principal, IMIRC College of Law. The chief guest, M.L.A. Gardmuteshwar Mr.Kamal Veer MALik, emphasized the importance of tree plantation and environmental conservation.

### Tree Plantation Ceremony

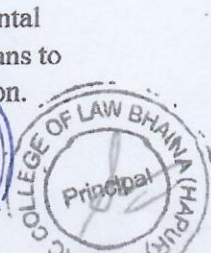
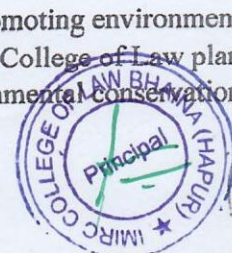
The tree plantation ceremony was held in the college premises, & where 200 trees were planted by students, faculty, and staff in Gram Panchayat Bhaina & College Campus. The trees included Mango, Awala, Sagaun, Neem etc. species], which are native to the region and provide shade, oxygen, and habitat for wildlife.

### Participation

The event witnessed active participation from students, faculty, and staff, with over 1038 attendees.

### Conclusion

The Tree Plantation event was a huge success, achieving its objectives of promoting environmental awareness and encouraging participation in tree plantation activities. IMIRC College of Law plans to organize more such events in the future to promote sustainability and environmental conservation.





## Recommendations

1. Conduct regular tree plantation events and environmental awareness programs.
2. Establish a Green Club to promote environmental activities and initiatives.
3. Collaborate with local authorities and NGOs to promote environmental conservation.

Photo





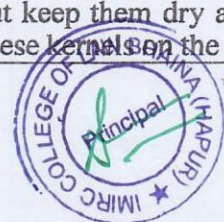
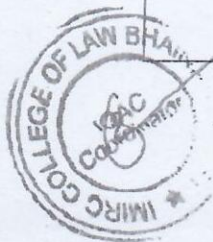


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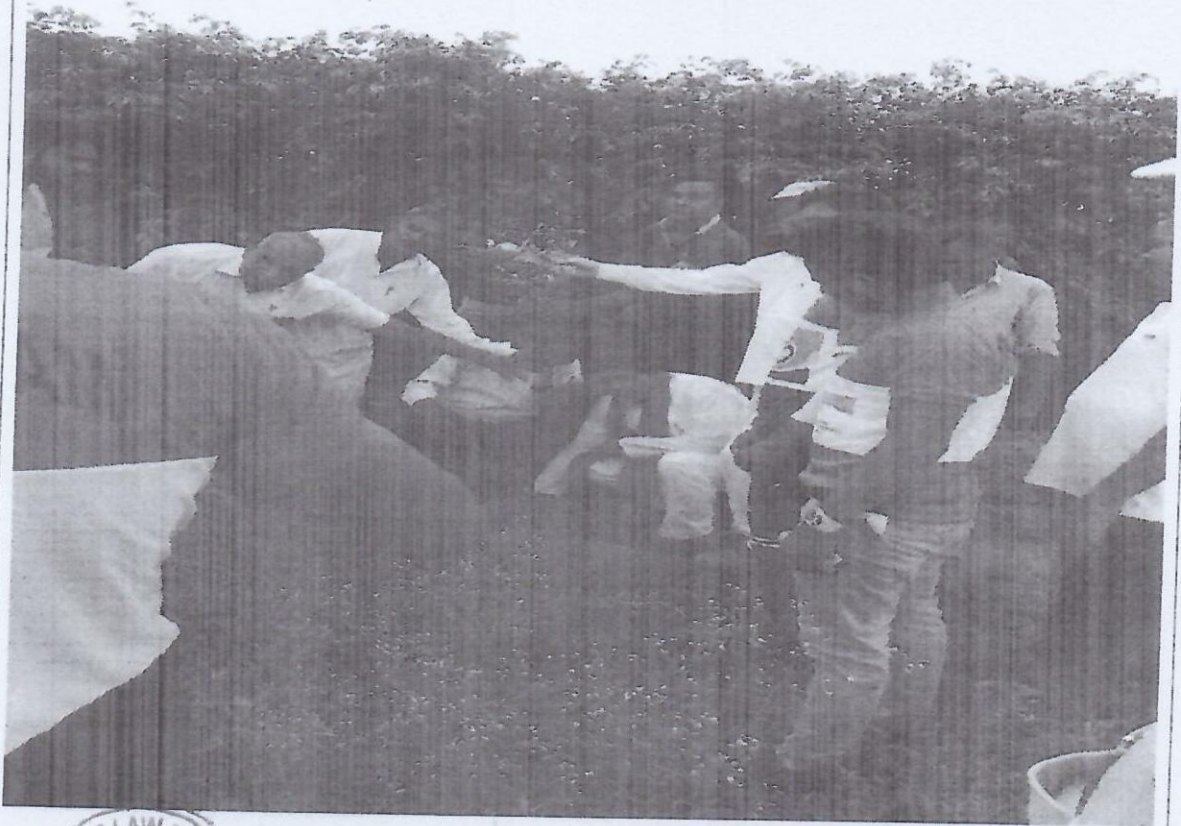
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Activity Report	
Academic Year	2022-23
Name of Activity	Plantation Program
Activity Date	15/08/2022
Organized By	Extension Activity Cell
Number of Teachers	39
No. of Students	1253
Objective	To Aware about opportunity to feel nature and plantation
	<p>IMIRC College of Law ,Bhaina, District Hapur is celebrating tree plantation week as per the instructions of the government, in which village Pradhan of Bahina Sadarpue Panchayat Shri Amit Singh participated as the chief guest in the first day program today. The Principal of the college and other officials started it by planting trees in the college premises. On this occasion, the village head Shri Amit Singh Ji said that our work is not fulfilled by just planting trees, but it is our responsibility to keep every planted tree alive, it flourishes and takes care of it. He praised this noble work of the college. Manager Dr. Rajendra singh Tomar said that each tree provides facilities of about Rs. 2000000 to the people throughout its life, the tree provides fruits, flowers, wood, medicines and most importantly oxygen to the people and the value of that oxygen has come to know to all of us at the time of disaster like Corona. Is. How much has been the cost of each oxygen cylinder and how many cylinders have we taken oxygen in our entire life, which trees give us free, so if we want to save life, then of course trees have to be planted. Principal Dr. Sandeep Kulshrestha said that life cannot be imagined in the absence of trees. Trees are very important for monsoon, today the monsoon is deteriorating, the direct reason for which is excessive cutting of trees, so we all should take a pledge that we must plant at least 2 trees in our lives and take responsibility for them and take care of them and give them an opportunity to flourish. IQAC in-charge Dr. Suraj said that if there is a season of fruits at this time, then we should do one thing that do not throw the kernels of these fruits but keep them dry and after drying, wherever we go, throw these kernels on the empty places on</p>





the way, then in this season it can also be an easy way of planting trees so that forest wealth can be increased.



IQAC Coordinator



Principal







College Code - 382

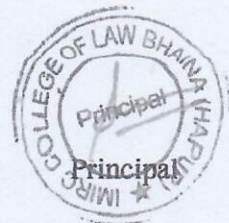
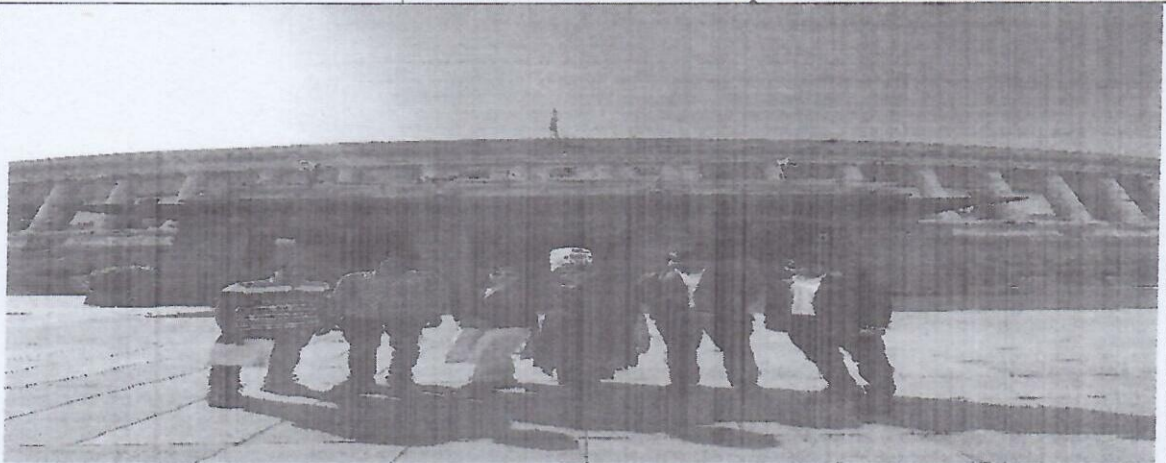
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## Activity Report

<b>Academic Year</b>	2022-23
<b>Name of Activity</b>	<b>Tour of Parliament of India</b>
<b>Activity Date</b>	15/03/2023
<b>Organized By</b>	Extension Activity Cell
<b>Number of Teachers</b>	04
<b>No. of Students</b>	200
<b>Objective</b>	To Aware about Parliament of India.
	IMIRC College of Law ,Bhaina District Hapur organized the Parliament of India tour for B.A.LL.B. ,LL.M & LL.B. Students. They visited parliament of India After this, . all the students visited to all the department of Parliament







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Activity Report	
Academic Year	2023-24
Name of Activity	Plantation Program
Activity Date	15/08/2023
Organized By	Extension Activity Cell
Number of Teachers	39
No. of Students	357
Objective	To Aware about opportunity to feel nature and plantation
	<p>IMIRC College of Law ,Bhaina, District Hapur is celebrating tree plantation week as per the instructions of the government, in which village Pradhan of Bahina Sadarpue Panchayat Shri Amit Singh participated as the chief guest in the first day program today. The Principal of the college and other officials started it by planting trees in the college premises. On this occasion, the village head Shri Amit Singh Ji said that our work is not fulfilled by just planting trees, but it is our responsibility to keep every planted tree alive, it flourishes and takes care of it. He praised this noble work of the college. Manager Dr. Rajendra singh Tomar said that each tree provides facilities of about Rs. 2000000 to the people throughout its life, the tree provides fruits, flowers, wood, medicines and most importantly oxygen to the people and the value of that oxygen has come to know to all of us at the time of disaster like Corona. Is. How much has been the cost of each oxygen cylinder and how many cylinders have we taken oxygen in our entire life, which trees give us free, so if we want to save life, then of course trees have to be planted. Principal Dr. Sandeep Kulshrestha said that life cannot be imagined in the absence of trees. Trees are very important for monsoon, today the monsoon is deteriorating, the direct reason for which is excessive cutting of trees, so we all should take a pledge that we must plant at least 2 trees in our lives and take responsibility for them and take care of them and give them an opportunity to flourish. IQAC in-charge Dr. Suraj said that if there is a season of fruits at this time, then we should do one thing that do not throw the kernels of these fruits but keep them dry and after drying, wherever we go, throw these kernels on the empty places on</p>





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