

# ENVIRONMENT AUDIT REPORT

2023-2024

PREPARED BY  
EHS ALLIANCE SERVICES



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# CERTIFICATE



## CERTIFICATE

PRESENTED TO

### ARYA COLLEGE OF ENGINEERING

SP-40, RIICO Industrial Area, Kukas, Delhi Road, Jaipur-302028, Rajasthan

Has been assessed by EHS Alliance Services for the comprehensive study of environmental impacts on institutional working framework to fulfill the requirement of

## ENVIRONMENT AUDIT

**ACADEMIC YEAR 2023 - 2024**

The environment legal compliances and initiatives carried out by the institution have been verified on the report submitted and were found to be satisfactory.

The efforts taken by management and faculty towards environment and sustainability are highly appreciated and noteworthy.



SIGNATURE



02.03.2024

DATE OF AUDIT

EHS ALLIANCE SERVICES, PLOT A-72, SURYA VIHAR, GURUGRAM, 122001  
WWW.EHSALL.IN | BUSINESS@EHSALL.IN | EHSALLIANCE@GMAIL.COM



# ACKNOWLEDGEMENT

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EHS Alliance Services would like to thank the management of Arya College of Engineering for assigning this important work of Environment Audit. We appreciate the co-operation to the teams for completion of assessment.

First of all, we would like to thank **Dr. Arvind Agarwal - President** for giving us an opportunity to evaluate the environmental performance of the campus.

We would also like to thank **Dr. Pramod Sharma - Audit Coordinator** for his continuous support and guidance, without which the completion of the project would not have been possible. We are also thankful to other staff members who were actively involved while collecting the data and conducting field measurements.

We are also thankful to

**Dr. Puja Agarwal, Vice- President**

**Dr. Himanshu Arora, Principal**

**Mr. Kshitiz Agarwal, Registrar**

# DISCLAIMER

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EHS Alliance Services Audit Team has prepared this report for Arya College of Engineering based on input data submitted by the representatives of college complemented with the best judgment capacity of the expert team.

While all sensible 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 are 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 organisation, then all pages must be included.

EHS Alliance, its staff and agents shall keep confidential all information relating to your organisation 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.

EHS Alliance staff, agents and accreditation bodies have signed individual confidentiality undertakings and will only receive confidential information on a 'need to know' basis.



**Signature**

**LEAD AUDITOR**

# CONCEPT AND CONTEXT

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In India, the process for environmental audit was first mentioned under the Environment Protection Act, 1986 by the Ministry of Environment of forests on 13th march, 1992. As per this act, every person owning an industry or performing an operation or process needs a legal consent and must submit an environmental report or statement.

The National Assessment and Accreditation Council, New Delhi (NAAC) has made it mandatory from the academic year 2019–20 onwards that all Higher Educational Institutions should submit an annual Green, Environment and Energy Audit Report. Moreover, it is part of Corporate Social Responsibility of the Higher Educational Institutions to ensure that they contribute towards the sustainable environment.

In view of the NAAC circular regarding environment auditing, the College management decided to conduct an external environment assessment study by a competent external professional auditor.

The term 'Environmental audit' means differently to different people. Terms like 'assessment', 'survey' and 'review' are also used to describe similar activities. Furthermore, some organizations 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 Environment 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."

This audit focuses on the environment legal compliances and implementation of rules defined by MoEFCC or state pollution control board. The concepts, structure, objectives, methodology, tools of analysis, and objectives of the audit are discussed below.



# INTRODUCTION

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All living things are tremendously fortunate to have nature as a gift. Disturbances in nature give birth to environmental issues. These are expanding every day as a result of the planet's growing urbanization and industrialization. Our earth is under tremendous pressure from unplanned resource use, which is also raising global temperatures quickly. Thus, resource utilization needs to be planned sustainably in order to protect natural resources for future generations.

Globally, sustainable development is gaining popularity as a means of protecting the environment. The earth's valuable resources can be preserved by using resources wisely. The best way to preserve and safeguard natural resources is to measure environmental components.

Environmental auditing began in the early 1970s with the provision of civil lawsuits for non-compliance with environmental regulations. Environment auditing involves on-site visits, collection of samples, performing analyses, and reporting results to competent authorities.

Industry, the corporate world is initiating auditing for saving natural resources. Academic institutions also can contribute to the preservation and conservation of resources within their premises.

This "Environment Audit" report will assist everyone in considering how to protect resources, demonstrating a readiness to understand their value, taking action to reduce resource consumption, and serving as a role model for others by adopting eco-friendly behaviours in order to fulfill the objective of sustainable development. Environmental risks can be reduced at a reasonable cost by implementing environmental audits effectively.

# OVERVIEW OF THE COLLEGE

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Arya College of Engineering (ACE) is amongst the foremost of Top Colleges in Rajasthan for Engineering in Higher Technical Education & Research. Established in the year 2005, in the State of Rajasthan, Arya College of Engineering has evolved into the most prominent College in the state as well as the Best Engineering Colleges in Jaipur. Spread over 5 acres of land, its highly skilled faculties are imparting education and guidance to thousands of students in a multi-faceted environment comprising of various Teaching Departments on its Campus. Since its establishment, the College has played a vital role in providing the best technical manpower and know-how to the country.

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## MISSION, VISION & VALUES

### **MISSION**

- ✓ To create a Progressive Academic Environment by nurturing the Creativity, Ideas, Innovation and Skills in Students in order to achieve Qualitative Techno-Managerial Skills.
- ✓ To provide Excellent Ambience to enhance the Teaching-Learning processes amongst Students and Faculty members by building a determined team who are committed to the ideas of Integrity, Positive Thinking and Social Development to meet industry expectations and requirements.
- ✓ To make Students Globally Competitive by providing suitable Training, Value Added Certification Courses and Beyond Syllabus Academics in order to generate capacity to face competitions and placements and become imaginative mastermind and inventive issue solver while providing them safe and challenging environment.

### **VISION**

To emerge as the best educational college and Work for Excellence in imparting quality education to the students to nurture their inherent talent as Innovative Professional in technical and managerial field there by making them competitive to meet all the future challenge of global economy.

### **VALUES**

Create an environment that instils professionalism, integrity, and the highest professional commitment to the students.

## Facilities in the campus

Amenities at Arya College of Engineering (ACE) provide far more than academic and administrative facilities on campus. It is dedicated to provide students with an exceptional infrastructure for learning as well as facilities for simplifying the procurement of fundamental skills. To accomplish the goal, ACE offers the following:

**GREEN CAMPUS:** The College has an impressive and pollution-free campus with panoramic green surroundings, elegant landscaping and beautiful flowerbeds.

**TRANSPORT:** The college runs its own fleet of buses and Cabs for the convenience of the students and the staff members to help them commute from Jaipur and surrounding areas. The students intending to avail the transport facility need to inform the transport officer at the time of admission.



**SPORTS ACTIVITIES:** Spending quality time is never a problem in the College. Sports facilities are provided for Lawn tennis, Table tennis, Carom, Billiards Table, Cricket, Football, Badminton, Basketball, and Volleyball. Evenings find students enjoying the pleasure of these sports as players and audience.



**MESS:** The college has its huge mess, which serves healthy and nutritious cuisines to its students.

**CANTEEN:** The college has its own canteen, which serves healthy and nutritious food to its students at subsidized rates. The menu varies from spicy samosas, wafers to full-meals. The students also have a wide range of chocolates and soft drinks to choose from.

**WATER & ELECTRICITY:** The college has complete arrangements to deliver uninterrupted water and electricity supply for the students, round the clock. Sufficient water coolers with filtered water are available throughout the campus to provide clean drinking water to the students. In case of power failures, high power generators are also available. Constant monitoring is carried out to ensure that cleanliness is given utmost importance.

**HEALTH:** Health is wealth. Keeping this in mind regular health checkup Camps are organized in the campus to examine the health of students and staff members. Acquisition of health related knowledge, attitudes, skills and practices empower students to pursue a healthy life. The energetic students take full advantage of every opportunity to learn and thus achieve higher - academic excellence & tend to maximize social relationships and interactions, thus improving their chances of balanced progress.

**MEDICAL:** Each hostel is provided with necessary first aid facilities. The College provides free first aid to the students in college campus during working hours. Qualified physicians are available in the close proximity of the college & hostels for consultancy.



CAFETERIA



AUDITORIUM

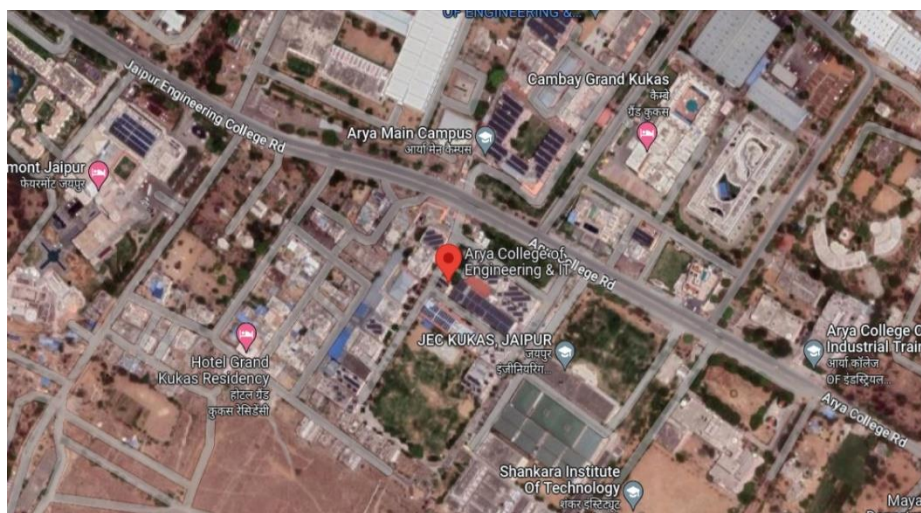


WELL, EQUIPPED GYM



HOSTEL

Geo Location  
Geo Coordinates from  
Google maps:  
27.0299119, 75.8913942





# AUDIT PARTICIPANTS

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On behalf of EHS Alliance Services

Name	Designation
Dr. Arvind Agarwal	<i>President</i>
Dr. Puja Agarwal	<i>Vice- President</i>
Dr. Himanshu Arora	<i>Principal</i>
Mr. Kshitiz Agarwal	<i>Registrar</i>
Dr. Pramod Sharma	<i>Audit Coordinator</i>

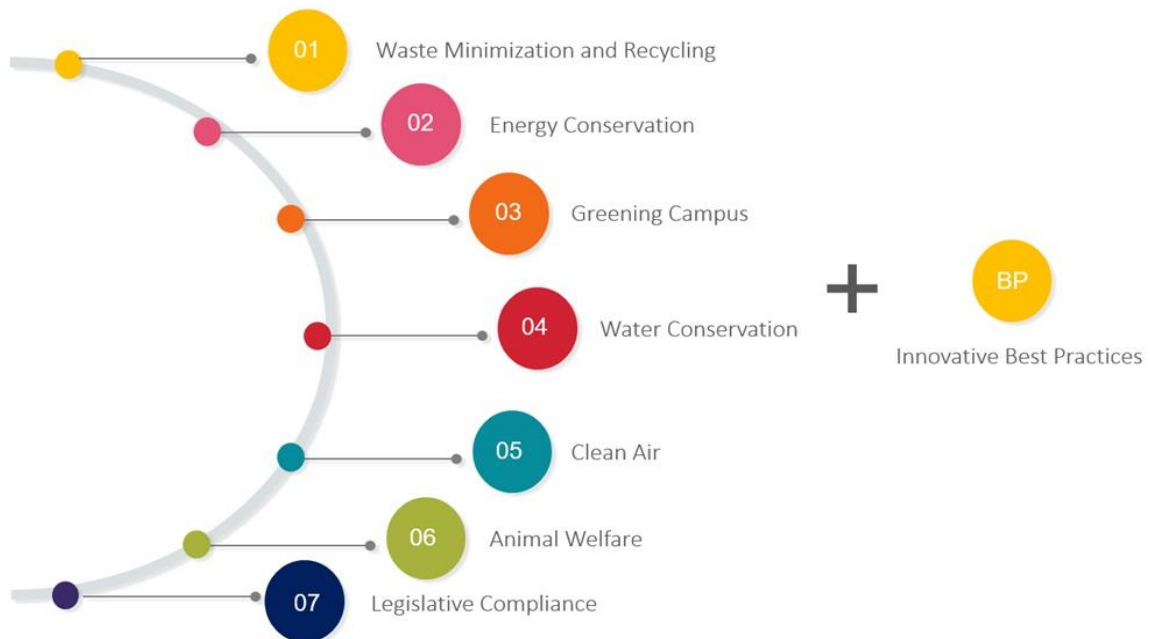
On behalf of EHS Alliance Services

Name	Position	Qualifications
Dr. Uday Pratap	Lead Auditor	<i>Ph.D., PDIS, QCI – WASH, Lead Auditor ISO 14001:2015</i>
Ms. Pooja Kaushik	Co-Auditor	<i>M.Sc., Field Expert, PGCCC, QCI – WASH</i>

# EXECUTIVE SUMMARY

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The environment audit is a moment in time where the performance of the campus in terms of adhering to relevant environmental laws and regulations is evaluated. Even though the audit serves as a useful baseline, it almost instantly becomes outdated if no system is in place to keep track of environmental compliance. Our strategy to support a green campus is to instill sustainable value systems in students so they can apply what they have learned and carried with them into their future endeavors. This will guarantee that environmental and sustainable practices become ingrained in all of the nation's institutions and organizations. A Green Campus is a place where environmentally friendly practices and education combine to promote sustainability in the campus which ultimately offers an institution the opportunity to take the lead in redefining its environmental culture and developing new paradigms by creating sustainable solutions to environmental, social and economic needs of the mankind. This is the third environment audit of college for doing their bit 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.





# WASTE MANAGEMENT

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## TYPE OF WASTE ON COLLEGE CAMPUS

To create effective waste management plans, college first need to know the type of waste being generated at the campus. Below, we have compiled a list of various kinds of waste commonly generated on institutional campus:

1. **FOOD WASTE** - College campus generates food waste. The average mess and canteen generates approximately 10 kg of food waste a day. The reasons for food waste on an educational campus may be over purchasing food to ensure a sufficient supply and then throwing it away, especially in all hostel messes where plentiful stores are essential. And in the cafeteria or hostel mess, students may pile food onto their trays, find it unappealing once they sit down and dutifully scrape it into the garbage. Immediate attention is given to the food waste minimization techniques.
2. **RECYCLABLE PAPER, CARDBOARD, PLASTIC, GLASS AND CANS**  
- Campus tends to produce vast quantities of these recyclables. Even in the digital age, many students, professors and staff members still prefer handwritten notes and end up with piles of unwanted paper once their courses and projects are complete. And shipments of necessary items throughout the year are likely to arrive in recyclable plastic and cardboard packaging. The same is recycled through a paper recycling machine.
3. **STUDENT CLOTHES AND HOUSEWARES** - As we have mentioned above, many students find it more convenient to throw away their clothes and dorm furnishings at the end of the year than donate or recycle them. As we have mentioned above, many students find it more convenient to throw away their clothes and dorm furnishings at the end of the year than donate or recycle them. NSS, UBA and Green club regularly organize old clothes collection drives with NGO and organizations such as WWF-India.
4. **E-WASTE** - Electronics from students and faculties form a large portion of a campus's e-waste. As campus continually upgrade their computing facilities and office computers to keep up with the latest technology, the old computers have to go somewhere. So do old printers, phones, copy machines, and other electronics that have received upgrades over the years. Discarded student electronics often become part of a campus's waste stream as well. The college has well-established recycling programs and tie-ups with external agencies.
5. **CHEMICAL WASTE** - Chemical waste on a college campus may come from numerous sources. Campus laboratories generate waste chemicals, as do cleaning services. The detergents used in campus laundry rooms eventually become waste as well. Much of these chemical substances are hazardous waste under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and must undergo specific disposal processes according

to state environmental rules and regulations. The Department of Chemistry conducts laboratory experiments with waste minimization techniques and processes.

6. **MAINTENANCE WASTE** - In the maintenance department, spent paints, solvents, adhesives and lubricants all form potentially hazardous waste. Because they are difficult to recycle, spent incandescent light bulbs usually become landfill waste. Spent fluorescent light bulbs, which contain small amounts of mercury, typically require special handling because of the environmental and health risks they pose.
7. **BIOLOGICAL WASTE** - Biological waste from laboratories will require special handling and disposal as per BMW Rules, 2016. Arya College of Engineering has installed a number of furnaces to manage laboratory waste at different labs.
8. **FURNITURE** - Furniture waste on a college campus has a couple different sources. The campus itself may also get rid of old furniture as it modernizes its classrooms, cafeterias, computer labs and study spaces. Annually sold to junk dealer.
9. **BOOKS/MAGAZINES/NEWSPAPERS** - Books accounted for solid waste generation and institutions often generate tons of textbook waste. As courses upgrade to new editions, they may end up throwing their newly obsolete textbooks into the garbage if donation programs cannot use them. Students of Arya College of Engineering donates their text books and notes to junior students, or else are auctioned to reseller. Various departments and societies of the college regularly holds old book collection drives in collaboration with various NGOs.
10. **C & D WASTE** - Expansion of campus building and renovation works result a significant amount of construction and demolition waste that should be either used for backfilling or disposed off through an authorised dumping site by CPCB/SPCB.
11. **SOLID WASTE** - The College is managing solid waste by providing via composting and waste sending to municipal corporations on daily basis for further disposal.
12. **HORTICULTURE WASTE** - The college campus has lavished greenery and grounds that result in significant horticulture waste which is managed by an in-house composting system.

# ENERGY CONSERVATION

1. List ten ways that you use energy in your college. (Electricity, LPG, firewood, others). Using this list, try to think of ways that you could use less energy every day.

## A. Electricity

- Lights, Fans, Air conditioners
- Lab equipment
- Computers in labs, faculty rooms & offices
- Electrical Appliances in Pantry

## B. LPG

- Cafeteria and hostel mess

## Ways to use less energy

- Replacing the conventional bulbs to LEDs
- Solar PV installed on building roofs
- Solar lights are installed on campus streets
- Use of natural light when possible
- Use large appliances together to reduce energy use.
- Cleaning of Filters on regular basis and replace them whenever needed.
- Insulate the room spaces
- Turn off the switch on the socket after use.

2. Are there any energy-saving methods employed in your college? If yes, please specify. If no, suggest some

- Electricity is saved by use of LED bulbs for illumination.
- In the Canteen, LPG is saved by use of pressure cookers for cooking food
- Switch off fans and lights when not in use
- Various energy conservation awareness programs for students and staff
- Keep the computers and ACs on power-saving mode.
- Renewable source of energy through 100 KW solar panel is operational

3. How many CFL/LED bulbs has your college installed?

Approx. 85 % of Total Conventional bulbs and tube lights are replaced by LED Lights.

4. Do you run “switch off” drills at the college?

Yes

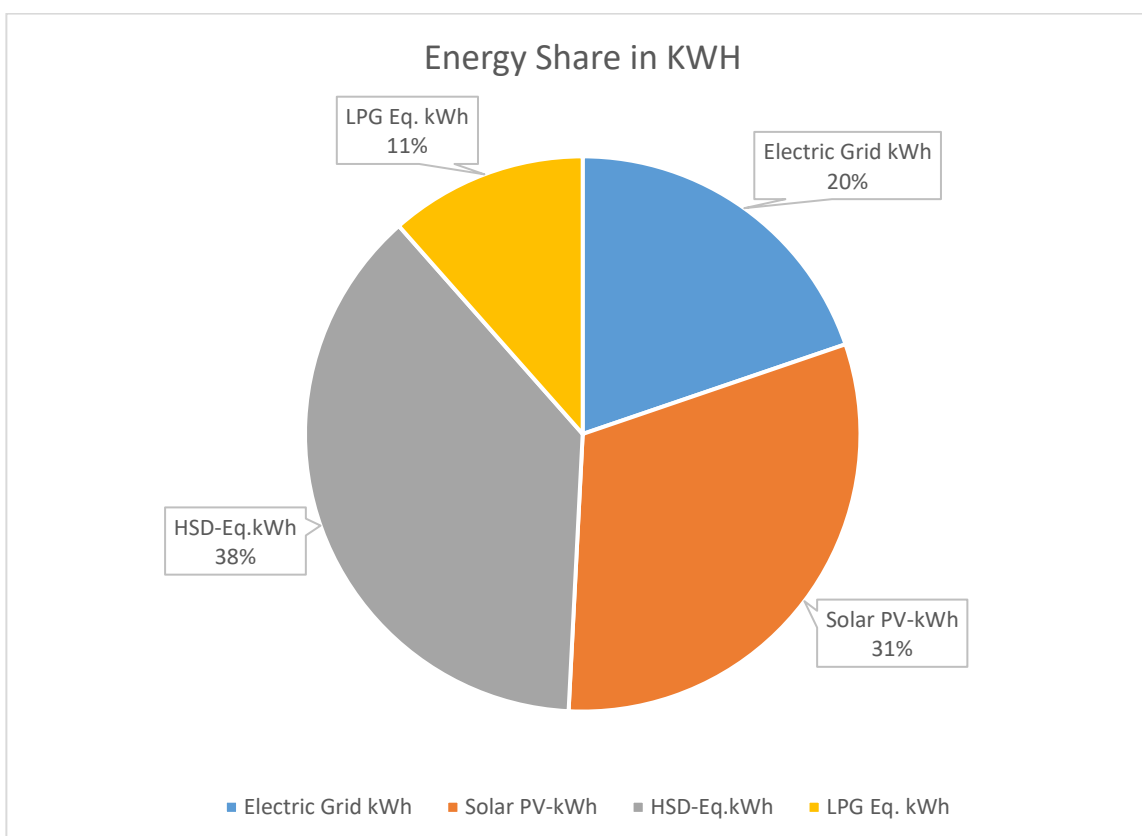
## 5. Are your computers and other equipment put in power-saving mode?

Yes approximately 5-6 hours, also college switch off the mains

## 6. Does your machinery (TV, AC, Computer, weighing balance, printers, etc.) run on standby modes most of the time? If yes, how many hours?

Yes, approx. 5-6 hours

Energy Share	kWh	Percentage
Electric Grid kWh	311006.00	19.76%
Solar PV-kWh	488534.00	31.05%
HSD-Eq. kWh	592859.28	37.67%
LPG Eq. kWh	181228.72	11.52%
Total -kWh	1573628.00	100%



# WATER AND WASTEWATER MANAGEMENT

## 1. List uses of water in your college

*Basic use of water in campus:*

**Drinking** – 72.45 KL/month

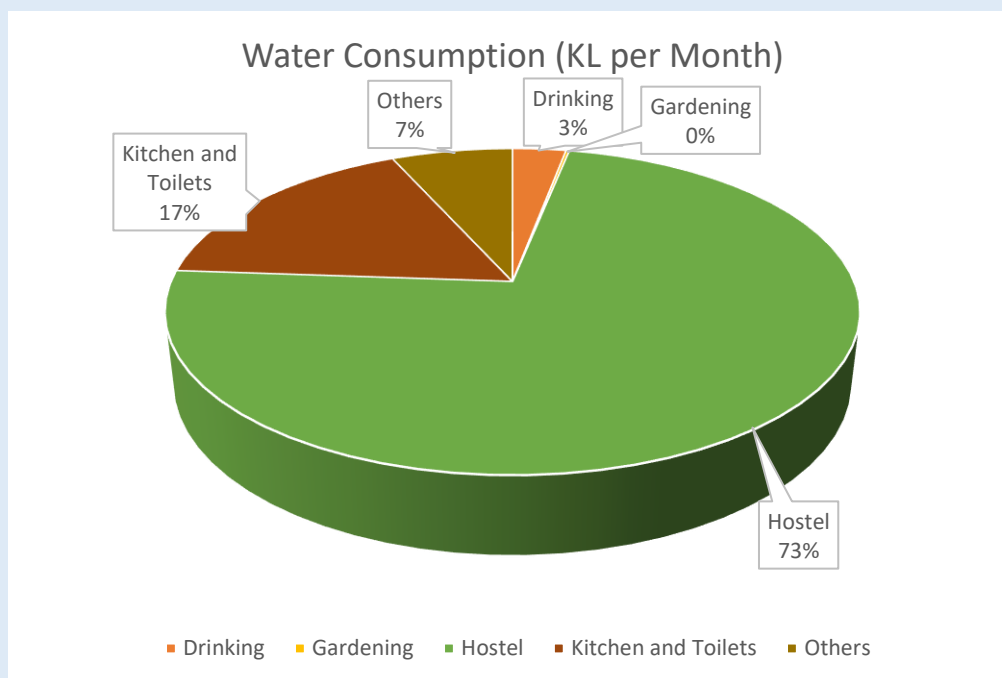
**Gardening** – 4.41 KL/month

**Kitchen and Toilets** – 418.86 KL/month

**Others** – 164.42 KL/month

**Hostel** – 1782 KL/Month

**Total = 2442.13 KL/Month**



## 2 How does your college store water? Are there any water saving techniques followed in your college?

*Available total water storage of the college is  $10,000 \times 4 = 40,000$  litres*

### ***Saving Techniques***

- *Avoid overflow of water-controlled valves are provided in water supply system.*
- *Close supervision for the water supply system.*
- *Push taps are installed for water conservation*
- *Water Conservation awareness for new students*
- *Sprinklers usage for gardening and grass cover*



### 3. Locate the point of entry of water and point of exit of wastewater in your college. (Entry and Exit)

*Entry - Water comes from Municipal corporation supply and borewells*

*Exit- From Canteen, Toilets, Hostel, Bathrooms and Labs through covered drainage which is connected to sewage treatment plant (100 KLD)*

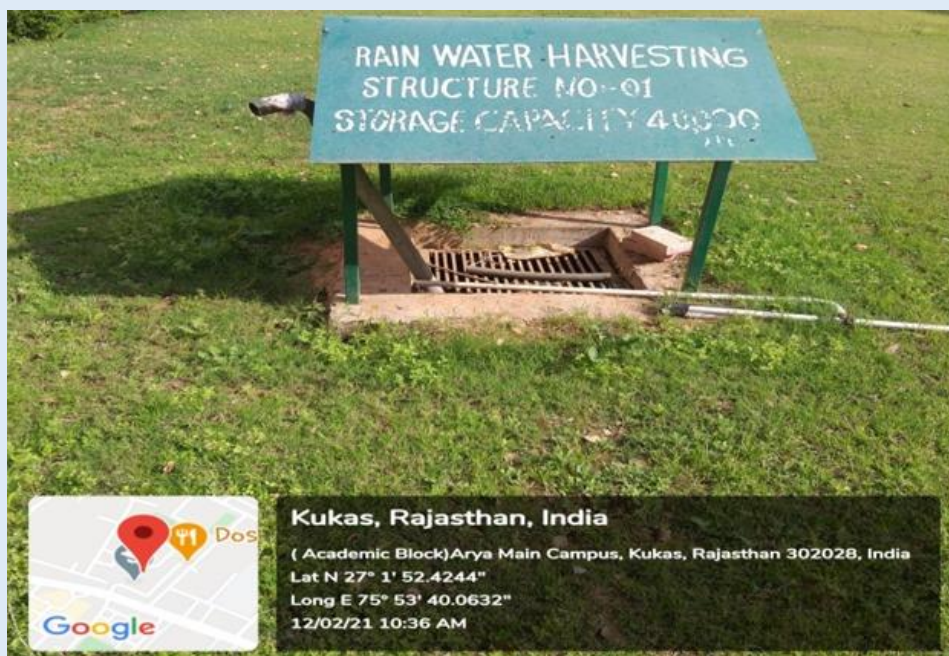
### 4. Write down ways that could reduce the amount of water used in your college

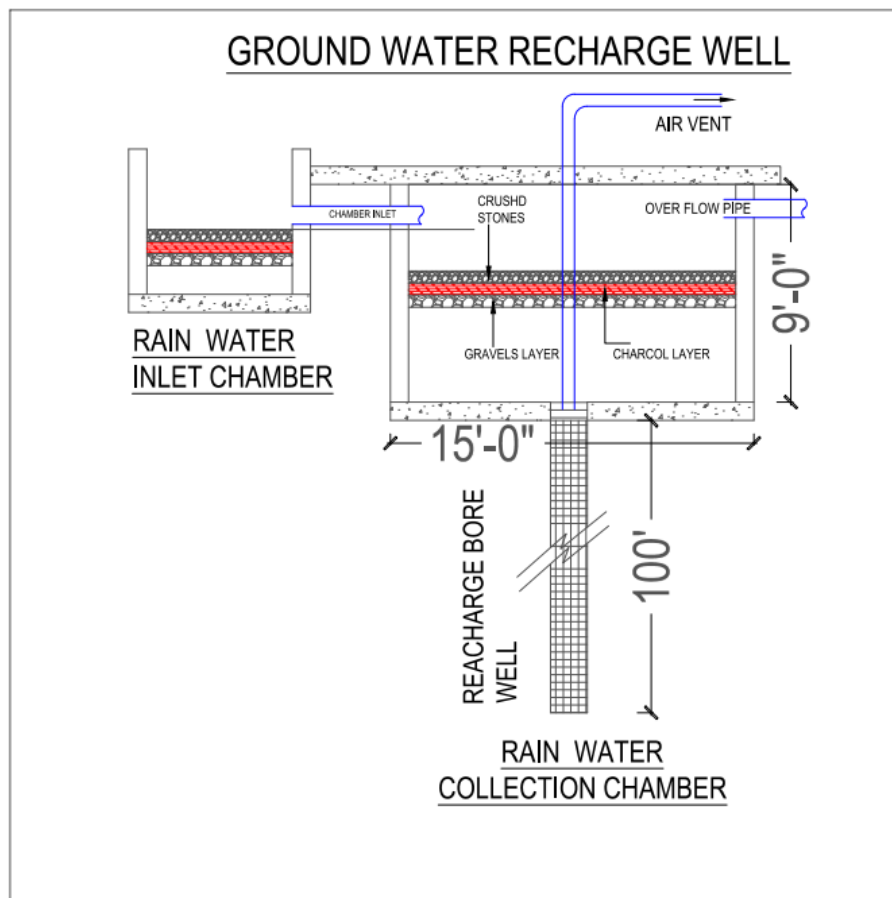
#### **Basic ways:**

- Close the taps after usage
- Water Conservation awareness for new students
- Maintenance and monitoring of valves in the supply system to avoid overflow, leakage and spillage
- Sensor-based taps and push tap are installed to save water
- Push taps are installed to save water

### 5. Does your college harvest rainwater?

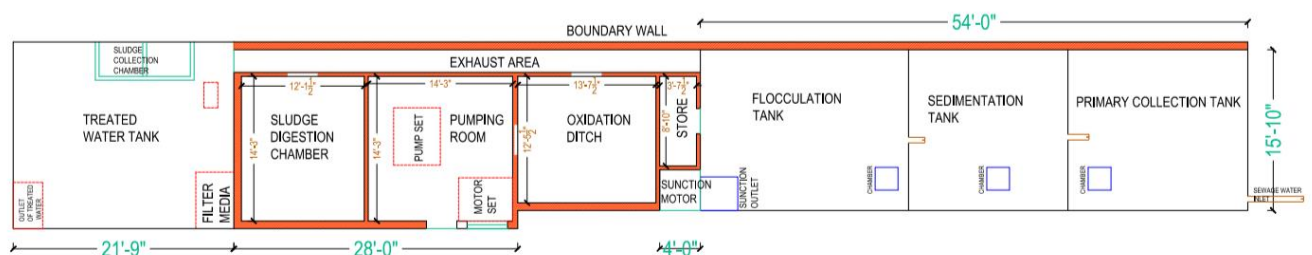
*College has three rainwater harvesting pits. The stored water in these tanks is used for gardening purposes. Below is drawing and picture of the rainwater harvesting pits*





## 6. Is there any water recycling System?

Yes has fully functional STP (100 KLD) which treated the waste water. And treated water is being used for gardening purpose



Drawing of STP plant

# AIR QUALITY MANAGEMENT

## 1. Are the Rooms in Campus Well Ventilated?

*Yes, as per National Building Code, guidelines*

## 2. Window Floor ratio of the Rooms?

*Very Good, ample daylight utilization because of big windows.*

## 3. What is the ownership of the vehicles used by your campus?

*College owns 7 Buses, 7, 1 Tractor, 1 Tanker and 1 Tempo*

## 4. Provide details of College-owned vehicles?

7 Buses – Diesel  
3 Cars – petrol  
4 cars – Diesel  
1 Tractor – Diesel  
1 Tanker – Diesel  
1 Tempo – Diesel

## 5. PUC done?

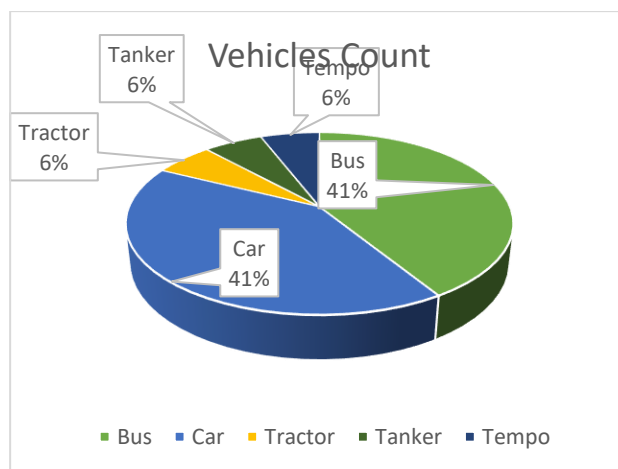
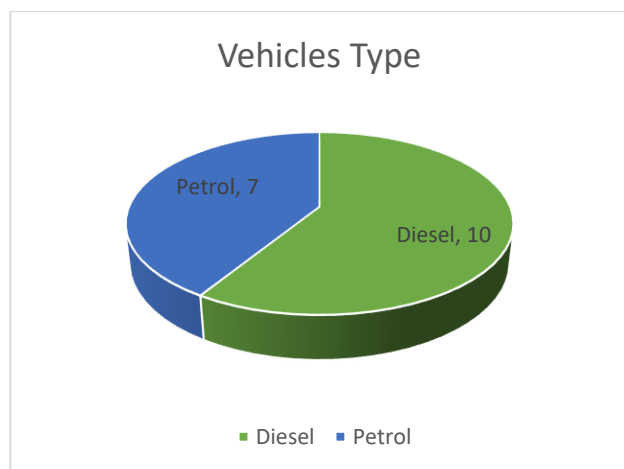
*Yes*

## 6. Specify the type of fuel used by your campus's vehicles

*14 vehicles runs on diesel and 3 runs on petrol*

## 8. Air Quality Monitoring Program (If, Any)

*No*



# ENVIRONMENT LEGISLATIVE COMPLIANCE

## 1. Are you aware of any environmental Laws Pertaining to different aspects of environmental management?

*Yes, College follows following laws pertaining to different aspects of environmental management*

- Segregation and recycling of Waste (Solid Waste Management Rules 2016)
- De-concretization of trees (National Green Tribunal Act, 2010)
- Protection of trees on campus (National Green Tribunal Act, 2010)
- Reduce Noise on campus (Noise pollution (regulation and control) rule, 2000)
- Reduce single use of plastic, and recycling of plastic (Plastic Waste Management Rules, 2016)
- Recycling of electronic waste (e-waste Management and Handling Rules 2011)

## 2. Does your college have any rules to protect the environment? List possible rules you could include.

- Periodic Plantation drives are conducted throughout the academic year.
- Ban on single-use plastic.
- Biodegradable waste management through the Composting unit.
- Water and energy conservation posters are displayed on the notice boards and in the classrooms for general awareness amongst the students and faculty.
- College regularly organizes various activities to raise awareness towards water and energy conservation.

## 3. Does Environmental Ambient Air Quality Monitoring conducted by the College?

No

## 4. Does Environmental Water and Wastewater Quality monitoring conducted by the College?

No

## 5. Does stack monitoring of DG sets conducted by the College?

No

## 6. Is any warning notice, or letter issued by state government bodies?

No

## 7. Does any Hazardous waste generated by the College?

No

# GENERAL INFORMATION

## 1. Does your college have any rules to protect the environment? List possible rules you could include.

- Periodic Plantation drive
- Ban on single-use plastic
- Biodegradable waste management through Composting pit
- Water and energy conservation through posters
- Use of renewable sources such as solar PV and solar lights

## 2. Are students and faculties aware of environmental cleanliness ways? If Yes Explain

Yes. Arya College of Engineering creates awareness through ECO Club activities, Webinars, and cleanliness drives in the community.

## 3. Does Important Days Like World Environment Day, Earth Day, and Ozone Day etc. eminent in Campus?

Yes. Important national and international days such as World Environment Day, Ozone Day, Earth Day, World water day, World wetland Day, Earth hour and more are celebrated by students and faculty within the campus.

## 4. Does College participate in National and Local Environmental Protection Movement?

Yes, college participated in following activities

- College actively participates in Clean India 2.0 and Mission Life activities in various villages, including Aamer.

## 5. Does the College have any Recognition or certification for environment friendliness?

- Yes

## 7. Does the Institution conduct a green or environmental audit of its campus?

This is the third external audit carried out by the college.



# INITIATIVES CARRIED OUT BY COLLEGE

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## ➤ **Solid Waste Management**

- Collect paper waste produced on campus and recycle through an authorized vendor
- College does compost for horticulture waste
- College has fully functional bio gas plant
- Reduce the use of paper by supporting the digitization of attendance and internal assessment records.
- Reduce the requirement of printed books by updating the e-books and e-journals collection of the college library.
- Take initiatives to spread awareness amongst students about food wastage and ways of minimizing it
- The habit of reusing and recycling non-biodegradable products
- Organizing workshops for students on solid waste management.
- There is a ban on single-use plastic and plastic crockery in the campus.
- College has installed sanitary waste disposal facility by installing an incinerator as per CPCB guidelines for the management of sanitary waste -As per Solid Waste Management Rules, 2016

## ➤ **Liquid Waste Management**

- Maintain leakproof water fixtures.
- Minimize the use of water by constructing more Indian-style toilets instead of Western-style toilets.
- Urinals are installed in boys washroom to reduce water wastage
- STP is installed for waste water treatment
- Continued employment of a caretaker to take immediate steps to stop any water leakage through taps, pipes, tanks, toilet flush etc.
- Reuse of wastewater generated by the Reverse Osmosis (RO) system in washrooms.

## ➤ **E-waste Management**

- The college has a separate storeroom for the safe storage of electronic waste. After a certain interval of time college disposes of the E-waste to concerned agencies through the auction process.

## ➤ **Rainwater harvesting**

- The college has three rainwater harvesting pits for better groundwater recharge. The stored water in this tank can be used for gardening purposes.

## ➤ **Renewable Energy**

- The college has installed solar PV (450 kWh) on the rooftop of building.
- The College is using solar lights for street lights.

## ➤ **Air Pollution Reduction**

- Personal Vehicles (Students) are not allowed in the campus

## ➤ **Green Initiatives**

- Please provide the details of activities

## RECOMMENDATIONS

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- Eco-friendly parameters should be included in the purchase of articles and goods for the campus.
- Car-pooling practices can be adopted by campus to minimise air pollution.
- The periodic maintenance schedule for solar PV, and rainwater harvesting to achieve optimised efficiencies.
- Environmental Monitoring i.e. Stack Monitoring of DG sets, Water monitoring, air quality monitoring needs to be conducted periodically (as per SPCB).
- Agreements with third-party authorized vendors should be made for different types of waste management, such as BMW, paper waste, Plastic waste, etc.
- Reduce carbon emissions by reducing LPG and diesel consumption.
- Water metering records should be in practice for water auditing and balancing.
- Borewell permission should be taken from CGWA.

## CONCLUSION

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This audit involved extensive consultation with all the campus team, interactions with key personnel on a wide range of issues related to environmental aspects. Overall, 75% of college campus is for landscaping. Arya College of Engineering is dedicated to promote the environment management and conservation in the campus and community. The audit has identified some suggestions for making the campus premise more environment friendly. The recommendations and suggestions are mentioned for campus to initiate actions.


The audit team opines that the overall site is well-maintained from environmental perspective. The recommendations in this report highlight many ways in which the college can work to improve its actions and become a more sustainable institution.

# REFERENCES


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- 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


# ANNEXURE I – ENVIRONMENTAL RECOGNITION AND COMPLIANCE



**Form C**  
**Government of Rajasthan**  
**Medical, Health and Family Welfare Department**  
**Food Safety and Standards Authority of India**  
**License under FSS Act, 2006**



अनुज्ञप्ति संख्या / License Number: **12220026000509**



<p>1. Name &amp; Registered Office address of Licensee / अनुज्ञप्तिधारी के पंजीकृत कार्यालय का नाम और पता:</p> <p>2. Address of Authorized Premises / प्राधिकृत परिसर का पता:</p> <p>3. Kind of Business / कारोबार का प्रकार:</p> <p>4. Dairy Business Details / डेयरी कारोबार विवरण हेतु:</p> <p>5. Category of License / अनुज्ञप्ति का वर्ग:</p>	<p>SUNIL CHOUDHARY M/S ARYA INSTITUTE OF ENG. &amp; TECH.          SP 40 RIICO IND. AREA DELHI ROAD KUKAS          JAIPUR, Jaipur I, Rajasthan-302021</p> <p>SP 40 RIICO IND. AREA DELHI ROAD KUKAS          JAIPUR, Jaipur, Jaipur I, Rajasthan-302028</p> <p>Food Services - Club/Canteen</p> <p>No</p> <p><b>State License</b></p>
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This license is granted under and is subject to the provisions of FSS Act, 2006 all of which must be complied with by the licensee. / यह अनुज्ञप्ति खाद्य संरक्षा और मानक अधिनियम, 2006 के अधीन अनुदत्त की गई और वह अधिनियम के उपबंधों के अध्यादीन है जिनका अनुज्ञप्तिधारी द्वारा अवश्य पालन किया जाना चाहिए।

Place / स्थान: Jaipur I

Issued On / दिनांक: 03-04-2020 (New License)

Valid Upto: / वैधता: 02-04-2025 (For details, refer Annexure)

**Designated Officer**  
 नामित अधिकारी

**Annexures:**

- [Product Annexure](#)
- [Validity Annexure](#)
- [Non-Form C Annexure](#)
- [Conditions Of License](#)

**Note:**

- Application for renewal of License can be filed as early as 180 days prior to expiry date of License. You can file application for renewal or modification of License by login into FSSAI's Food Safety Compliance System(<https://foscos.fssai.gov.in>) with your user id and password or call us at 1800112100 for any clarification.
- This License is only to commence or carry on food businesses and not for any other purpose.
- This is computer generated license and doesn't require any signature or stamp by authority.

**FSSAI Certificate**

## MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

**DEESOO Innovations Pvt. Ltd.**

1<sup>st</sup> Floor, Shri Ram Complex, Mahaveer Circle, Sojat City,  
306104, District- Pali (Rajasthan)

AND

**Arya College of Pharmacy**

SP-40 RIICO Industrial Area, Kukas, Delhi Road, Jaipur 302028.

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this the day Date 21.03.2023 for Disposal of E. Waste is made at Arya Institute of Engineering and Technology, Jaipur

BETWEEN

**DEESOO Innovations Pvt. Ltd.** 1<sup>st</sup> Floor, Shri Ram Complex, Mahaveer Circle, Sojat City, 306104, District- Pali (Rajasthan) , the **First Party** (here in after referred to as "First Party", company which expression, unless excluded by or repugnant to the' Subject or context shall include its successors — in-office, administrators and assigns).

AND

**Arya College of Pharmacy, Dist.-Jaipur-302028, the Second Party** (herein after referred as 'Second Party', the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors — in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as Party')

For : Deesoo Innovations Private Limited



Director

  
**PRINCIPAL**  
Arya College of Pharmacy  
Delhi Road, RIICO Industrial Area  
Kukas, JAIPUR



MOU agreement



## ANNEXURE II – PHOTOGRAPHS OF ENVIRONMENTAL INITIATIVES



Water meter to monitor water use



Biogas plant



Solar Panel installed on building roof



Solar Lights installed



Soundproof silent generators



Color-coded dustbins



STP plant



National Energy Conservation Day Celebration



World Environment Day



Plantation Drive



Cleanliness Drive



Five Star Appliances





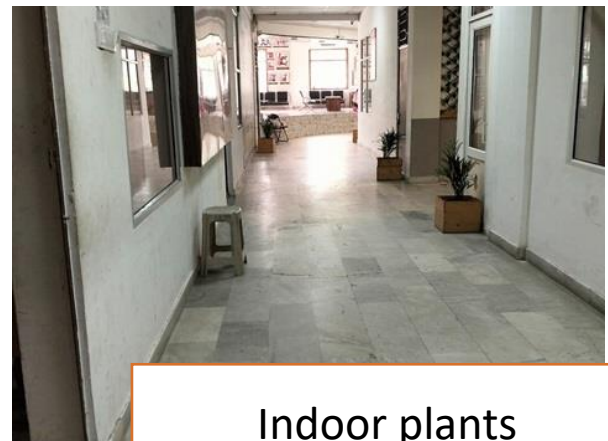
Sprinklers for water conservation



Rainwater harvesting pits



Push taps for water conservation



Indoor plants



Poster competition



Awareness lecture on energy conservation





Cleanliness drive in nearby Govt School



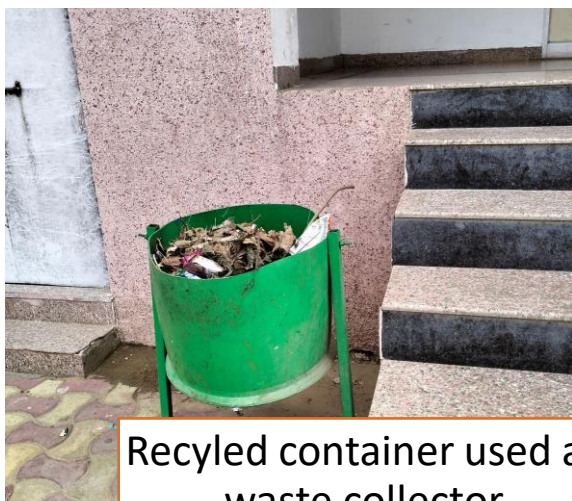
Rainwater harvesting pits



EV for local commute



Bird feeder for biodiversity



Recycled container used as waste collector



Awareness lecture on energy conservation

\*\*\*\*\* END OF THE REPORT \*\*\*\*\*