



**SARIYA COLLEGE,  
SURIYA**

**ENVIRONMENT  
AUDIT REPORT**

**2025-2026**

**Prepared By :**  
EHS ALLIANCE





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# CERTIFICATE



## CERTIFICATE

PRESENTED TO

### **SARIA COLLEGE** **SURIA**

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

### **ENVIRONMENT AUDIT**

**ACADEMIC YEAR 2025-26**

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

  
 EHS ALLIANCE LLP  
 GURUGRAM

07.05.2026  
 DATE OF AUDIT

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# ACKNOWLEDGEMENT

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EHS Alliance Services would like to thank the management of Sauriya College, Sauriya 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 **Mr. Manohar Singh Bagga - Secretary and Dr. Santosh Kumar Lal - Principal** for giving us an opportunity to evaluate the environmental performance of the campus.

We would also like to thank **Dr. Pramod Kumar - Assistant Professor and 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

**Mr. Asit Diwakar**

**IQAC Coordinator**

**Dr. Ashish Kumar Singh**

**NSS Program Officer**





# DISCLAIMER

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EHS Alliance Services Audit Team has prepared this report for Sariya College 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. This audit report will be valid till the next NAAC cycle referring academic year 2025-26.

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

A handwritten signature in blue ink, appearing to read 'H. Jay'.

**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 behaviors 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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Sariya College, Suriya a premier institution for Co- education at Sariya, Giridih District in the State of Jharkhand. It is a Permanently Affiliated. College of Vinoba Bhave University, Hazaribag. It was founded in the year 1984 with an aim to impart higher education to the rural students. The dreams of the poor students who are deprived of higher education have been translated into reality by this glorious institution. Our college caters to the academic and professional needs of boys & girls not only from Sariya but also from adjoining rural areas and nearby states.



The State Govt. and the university provided temporary affiliation in Arts, and Commerce faculties from the session 1984-85 then from the session 2011-14 the State Govt. and Vinoba Bhave University, Hazaribag provided Permanent Affiliation to the college in the faculty of Arts(General), and Commerce up to Honours & General level. Sariya College is registered under society registration act- and is also registered under section 2(F) and 12(b) of UGC of Govt. of India.



Sariya college was inaugurated with a clear vision that it would pursue excellence and provide higher education to the people of this rural and economically deprived section. The college sensitizes its students on gender and environmental issues through its curriculum celebrating



national and international days organizing awareness/ through seminars, symposium, drama, quiz competition etc. The college has developed to an ideal campus with building. It has well-furnished classroom, library and departments. The college is having sufficient number of computers in the computer lab and different types of educational aids like smart board, projectors etc. The college has highly qualified and experienced faculty members and experienced non-teaching staff.



The college is situated in the beauty of nature and road side of Suriya-Bagodar Road and three K.M. far away from Suriya main town. The college is surrounded by forests on three sides. The college is now the natural choice and preferred destination for students from different +2 high schools or Inter colleges to pursue quality education. The college has an excellent infrastructure and accessibility from various parts of the state. The distance to the college from Hazaribag Road Railway station is 3.5 k.m. The college has a well designed administrative block and various other rooms and facilities for the students such Girls common room, Boys common room, Divyangjan common room. It has provided well equipped furnished labs for Geography. Each subjects of students has separate class rooms. Class rooms are well furnished and ventilated. Class rooms are is provided with all teaching aids like Black board, White board, Interactive board, Projector etc. in order to ensure overall development of students. The students have all the facilities for games and sports. A canteen with vegetarian is also available in the college campus. The college building has Multipurpose hall also. There are two buildings in college campus. The main infrastructure facilities are as follows: Transport Facility: College Bus for Girls students Library and Information centre: More than 6000 volume of books and journal with Inflightnet, e remote access, e-library etc. College Canteen-Vegetarian Internet centre-Wi-Fi facility in computer lab Teaching staff: Excellent teaching faculty with highly qualified and well experienced staff Practical lab: For Geography and other subjects Ground floor: Class rooms, Principal office, IQAC room, Staff common room, Examination room, NSS office, Administrative office, CCTV monitoring, Play ground, Electricity room, Canteen, Water Harvesting System, Beautiful Garden, Multipurpose Hall, Differently abled friendly campus, Medical support facility, Boys Common room & Others First Floor: Class rooms, Girls common



room, store room & Others Second Floor: Library, Computer Lab, English Language Lab, Class rooms, Smart class, Solar Panel & Others. Beside these Green initiative, Common Toilet and Urinal, Playground, Vocational study centre, Huge Parking facility, Compost system, Security personnel & Others.

## MISSION

The mission of Sariya College is to educate the citizens and citizens-leaders for our society. We do this through our commitment to the transformative power of higher education in Arts, Science and Commerce. Beginning in the classrooms with exposure to new ideas, new ways of understanding and new ways of knowing, students embark on a journey of intellectual transformation.

- To build the nation by creating a class of moral, intellectual and committed citizens
- To strengthen the human resources
- To provide Indian knowledge and values along with modern knowledge and values
- To intellectual academic excellence, social responsibility, moral uprightness and team spirit
- To train students physically intellectually, socially, morally, emotionally, vocationally to attain
- To contribute to society through the pursuit of education, learning at the highest levels of excellence.
- To provide quality education through academic cultural and physical activities and prepare the students as responsible and useful citizens.

## VISION

Enrichment of academic and socio-cultural experiences of students through quality higher education. The college intends to become a pioneer institution and create an ecosystem for imparting quality higher education, research, and innovation with available resources and utilizing manpower and modern technology to develop skilled citizens who can earn a livelihood, contribute qualitatively to family, society, and being infused with patriotism who is committed for the development of the nation.

## VALUES

Sariya college, suriya in a process of self and community reflection that would lead us to recognize and heighten awareness of the higher values we and our institution have already practiced and articulated, to seek agreement about those values, and to develop an institutional culture that holds itself accountable to those values.



## Facilities in the campus

Amenities at Sariya College 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, Sariya College offers the following:

**LIBRARY:** The Library of Sariya College, Suriya is fully automated with a wide-ranging collection of over Five thousand books of various disciplines. The library subscribes to a total number of 6 newspapers and 8 magazines. Library has a collection of various reference sources such as encyclopaedias, dictionaries, atlas, yearbooks etc. The library also provides access to about Five e-journals. The library has a reading room facility with computer, Xerox machine and internet facility.

The library has a reading room with a seating capacity of 80 students and digital library facility with a seating capacity of 20 students. They have computer with internet facility of e-library and e-journals.

**SMART CLASSROOMS & COMPUTER LABS:** Some department classroom in the college is ICT enable with laptops, projectors. The teachers provide digital education for students. To impart computer education to the students, a computer lab has been established in the college in which 20 computers have been installed.



***Geo Coordinates from Google maps: 24.1501097, 85.8721568***



# AUDIT PARTICIPANTS

Name	Designation
Mr. Manohar Singh Bagga	<i>Secretary</i>
Dr. Santosh Kumar Lal	<i>Principal</i>
Dr. Pramod Kumar	<i>Assistant Professor and Audit Coordinator</i>
Mr. Asit Diwakar	<i>IQAC Coordinator</i>
Dr. Ashish Kumar Singh	<i>NSS Program Officer</i>
Mr. Sitaram Suman	<i>Accountant</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

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 instil 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 second 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 5 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.
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. Sariya College 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 Sariya College donate their text books and notes to junior students, or else are auctioned to reseller. Various departments and societies of the college regularly hold old book collection drives in collaboration with various NGOs.
10. **C & D WASTE** - Expansion of campus building and renovation works result in a significant amount of construction and demolition waste that should be either used for backfilling or disposed off through an authorized 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 a daily basis for further disposal.
12. **HORTICULTURE WASTE** – The college campus has lush 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 institute. (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

### Ways to use less energy

- Replacing the conventional bulbs to LEDs
- Solar PV installed on building roofs
- Use of natural light when possible
- Cleaning of Filters on regular basis and replace them whenever needed.
- Turn off the switch on the socket after use.

2. Are there any energy-saving methods employed in your institute? 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 3.6 KW solar panel is operational and 50 kW is in process to install on the building roof.

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

Total Conventional bulbs and tube lights are replaced by LED Lights.

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

Yes

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

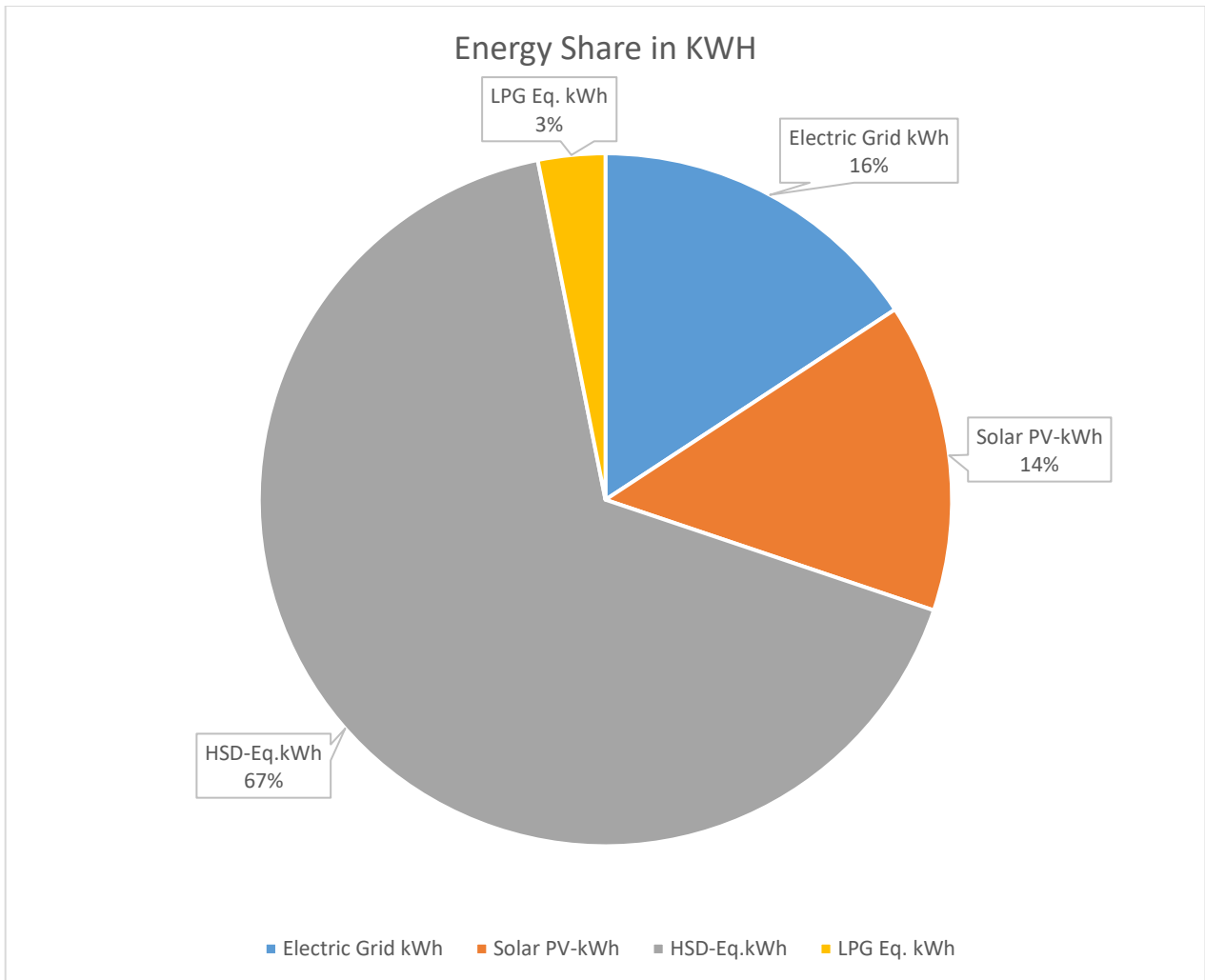
Yes approximately 5-6 hours, also college switch off the mains



**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	5,891.00	15.74%
Solar PV-kWh	5,400.00	14.43%
HSD-Eq. kWh	24,955.92	66.69%
LPG Eq. kWh	1,172.64	3.13%
<b>Total -kWh</b>	<b>37,419.56</b>	<b>100%</b>





# WATER & WASTEWATER MANAGEMENT

## 1. List uses of water in your institute

Basic use of water in campus:

**Drinking** – 96.31 KL/month

**Gardening** – 18.00 KL/month

**Kitchen and Toilets** – 121.27 KL/month

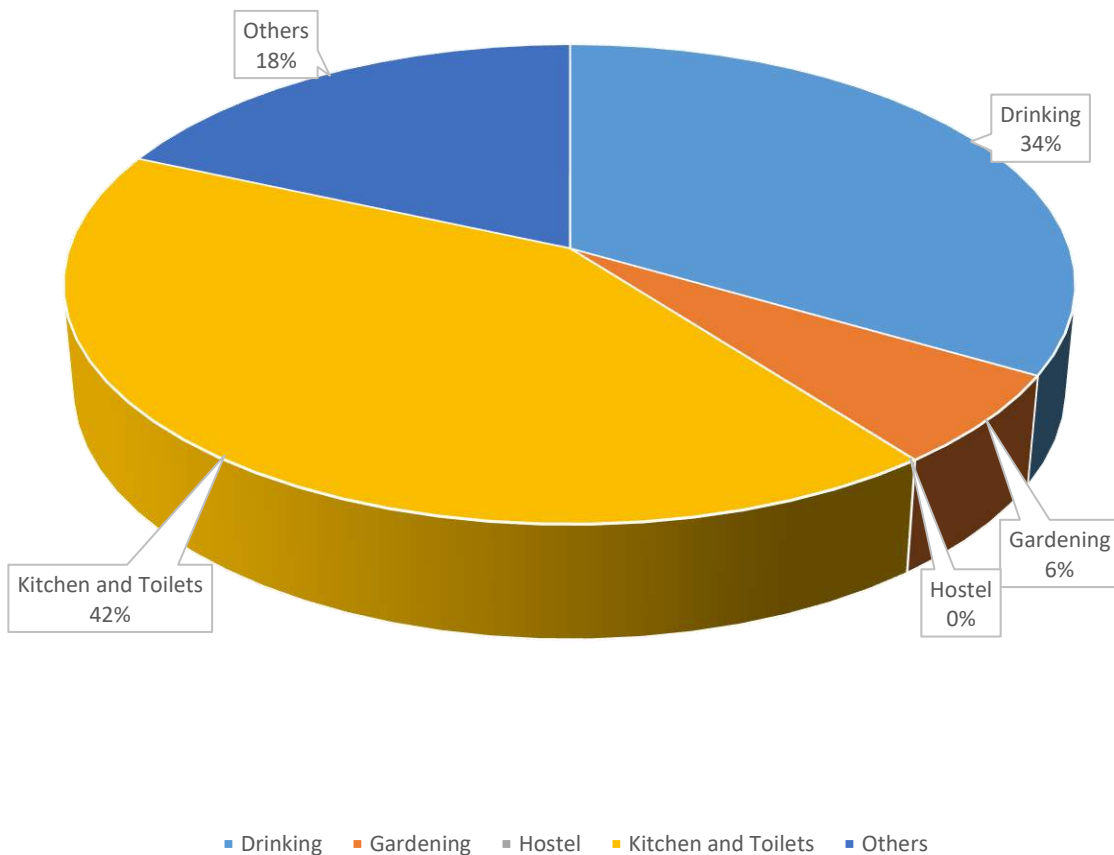
**Others** – 205.66 KL/month

**Hostel** – 52.98 KL/Month

**Total = 288.56 KL/Month**

Note: Please note that all calculations have been made on the basis of NBC 2016 norms as college has no water usage records.

Water Consumption (KL per Month)





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

*College stores water in overhead tanks. Total available water storage of the college is 2500 liters*

### ***Saving Techniques***

- *Avoid overflow of water-controlled valves are provided in water supply system.*
- *Close supervision for 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 institute. (Entry and Exit)

*Entry - Water comes from borewell*

*Exit- From Canteen, Toilets, Bathrooms and Labs through covered drainage which is connected to soakpits.*

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

### ***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*
- *Push taps are installed to save water*

## 5. Does your institute harvest rainwater?

*College is collecting rain water in a large underground storage tank with capacity of 50 thousand liters. The stored water in this tank is used for gardening purposes*

## 6. Is there any water recycling System?

*Yes. The college has a small-scale hydroponics unit where grey water from the hostel mess is used for growing plants.*



# AIR QUALITY MANAGEMENT

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## 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?

*There are 2 buses and 5 cars/bikes.*

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

*Buses – 2  
Bikes/Cars – 5*

## 5. PUC done?

*Yes*

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

*Buses – Diesel  
Cars/Bike – Petrol*

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

*No*



# ENVIRONMENT LEGISLATIVE COMPLIANCE

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## 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*

- 1) Segregation and recycling of Waste (Solid Waste Management Rules 2016)*
- 2) De-concretization of trees (National Green Tribunal Act, 2010)*
- 3) Protection of trees on campus (National Green Tribunal Act, 10)*
- 4) Reduce Noise on campus (Noise pollution (regulation and control) rule, 2000)*
- 5) Reduce single use of plastic, and recycling of plastic (Plastic Waste Management Rules.*
- 6) Recycling of electronic waste (e-waste Management and Handling Rules 2011)*

## 2. Does your institute 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 Institute?

*No*

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

*No*

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

*No*

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

*No*

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

*No*



# GENERAL INFORMATION

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## 1. Does your institute 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*

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

*Yes. Sariya College 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 Institute 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.*

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

- *Swachh Bharat Abhiyan.*

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

*This is the second external audit carried out by the college.*



# INITIATIVES CARRIED OUT BY COLLEGE

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## ➤ **Solid Waste Management**

- Systematically engage with the 3Rs of environment friendliness (Reduce, Reuse and Recycle).
- Collect paper waste produced on campus and recycle in recycling plant
- Reduce use of paper by supporting digitization of attendance and internal assessment records.
- Reduce 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 ban on single use plastic and plastic crockery in the campus.
- College has installed sanitary waste disposal facility by installing incinerator as per CPCB guidelines for the management of sanitary waste -As per Solid Waste Management Rules, 2016

## ➤ **Liquid Waste Management**

- Maintain leak proof water fixtures.
- Minimize the use of water by constructing more Indian style toilets instead of western style toilets.
- Continued employment of a caretaker to take immediate steps to stop anywater leakage through taps, pipes, tanks, toilet flush etc.
- Reuse of wastewater generated by the Reverse Osmosis (RO) system in washrooms.

## ➤ **E-waste Management**

- 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.

## ➤ **Rain water harvesting**

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

## ➤ **Renewable Energy**

- The college has also installed solar PV (10 KW) on the rooftop of building.
- The College is using solar lights for street lights.
- The college believes in using cleaner energy such as LED lighting.

## ➤ **Air Pollution Reduction**

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



## 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.
- Agreements with third-party authorized vendors should be made for different types of waste management, such as BMW, paper waste, Plastic waste, etc.
- 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. Sariya College 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 CONSCIOUSNESS INITIATIVES



Indian Style Women  
Urinals To Save Water



Push Taps To Save  
Water



E-waste Collection  
And Disposal



BLDC Fan To save  
Electricity



## ANNEXURE II – PHOTOGRAPHS OF ENVIRONMENTAL INITIATIVES



Incinerator For BMW Disposal



Water Storage Tanks



Solar Panel Installed On Building Roof



Bicycle Rally For Awareness



Soundproof Silent Generators



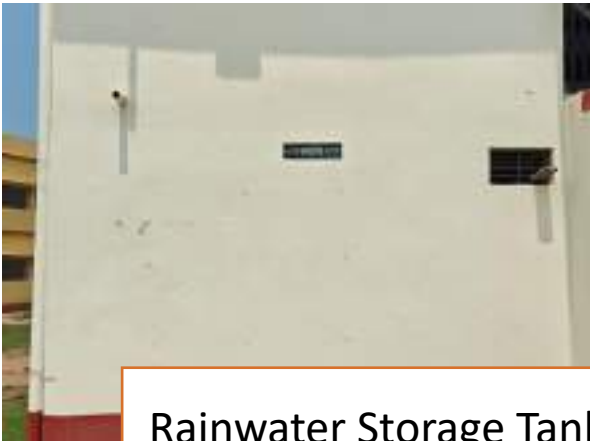
Color-coded Dustbins



Waste Segregation At The Source



Nakshatra Vanam



Rainwater Storage Tank



Indoor Plants



Awareness Poster



50 Kw Solar PV Installation In Progress

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