SGT UNIVERSITY

ENVIRONMENT AUDIT REPORT

2024-2025

Prepared by

EHS ALLIANCE

TABLE OF CONTENT

CERTIFICATE

EHS alliance

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PRESENTED TO

SGT UNIVERSITY

Badli Road, Chandu, Budhera, Gurugram, Haryana 122505

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 2024-25

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.

EHS ALLIANCE LTD GURUGRAM

23.08.2025
DATE OF AUDIT

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ACKNOWLEDGEMENT

EHS Alliance Services extends its sincere gratitude to the management of SGT University for entrusting us with the important task of conducting the Environmental Audit. We deeply appreciate the cooperation and support extended by all members involved, which was instrumental in the successful completion of this assessment.

We would like to express our heartfelt thanks to ***Prof. (Dr.) Hemant Verma- Hon'ble Vice Chancellor & Dr. Ajay Kumar Khanduri - Registrar***, for providing us the opportunity to evaluate the university's environmental performance and sustainability initiatives.

Our special thanks go to **Dr. Suman Vij - Director, IQAC** and Audit Coordinator, for his continuous support, valuable insights, and coordination throughout the course of the project. His commitment played a crucial role in the successful execution of the audit.

We are also grateful to the following individuals for their active participation, assistance in data collection, and support during fieldwork:

Dr. Archana Chaudhary	***Chairperson, Environment Committee***
Mr. Gaurav Chaudhary	***Admin Officer***
Dr. Manjri Shukla	***Member, Environment Committee***
Ms. Rachna	***Secretary, Environment Committee***
Ms. Trapti Sharma	***Member, IQAC***
Dr. Neha SethiAM,	***IQAC***

Their cooperation and dedication are deeply appreciated.

DISCLAIMER

This report has been prepared by the EHS Alliance Services Audit Team for SGT University based on the data and information provided by designated representatives of the university. The findings and recommendations presented herein reflect the professional judgment and expertise of the audit team, combined with the input received.

While every reasonable effort has been made to ensure the accuracy and reliability of the information, the content has been compiled in good faith. The conclusions and assessments are based on best estimates and current understanding; however, no express or implied warranty, representation, or undertaking is made regarding the completeness, accuracy, or applicability of the contents. The audit team assumes no responsibility for any direct, indirect, or consequential loss or damage resulting from the use of the information, statements, or projections included in this report.

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Signature

LEAD AUDITOR

CONCEPT AND CONTEXT

In India, the concept of **environmental auditing** was first introduced under the **Environment (Protection) Act, 1986**, as notified by the **Ministry of Environment and Forests** on **13th March 1992**. According to this legislation, any individual or entity operating an industry or undertaking a process or activity must obtain legal consent and is required to submit an **environmental statement or report** on a regular basis.

In recent years, the importance of environmental responsibility in the education sector has also been emphasized. The **National Assessment and Accreditation Council (NAAC), New Delhi**, has made it **mandatory from the academic year 2019–20** onwards for all **Higher Educational Institutions (HEIs)** to submit an annual **Green, Environment, and Energy Audit Report**. This initiative is not only regulatory but also aligns with the broader objectives of **Corporate Social Responsibility (CSR)**, encouraging institutions to contribute proactively toward sustainable development.

In compliance with NAAC directives and to uphold its environmental responsibilities, the management of **SGT University** resolved to conduct a comprehensive **external environmental audit** through a qualified professional agency.

The term **"Environmental Audit"** can vary in meaning depending on the context. It is often used interchangeably with terms like **assessment**, **survey**, or **review**. While some organizations focus solely on environmental aspects, others broaden the scope to include **health, safety, and environmental (HSE)** considerations. Despite the absence of a universally accepted definition, many institutions follow the guiding principles set forth by the **International Chamber of Commerce (ICC)** in its 1989 publication on **Environmental Auditing**.

According to the ICC, **Environmental Auditing** is defined 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 primarily focuses on evaluating **compliance with environmental regulations**, particularly those laid out by the **Ministry of Environment, Forest and Climate Change (MoEFCC)** and the respective **State Pollution Control Boards (SPCBs)**. It assesses the institution’s adherence to legal norms, effectiveness of implementation, and explores areas for improvement in environmental practices.

The subsequent sections of this report will elaborate on the **concept, structure, methodology, tools of analysis**, and **objectives** used in the environmental audit process.

INTRODUCTION

A Step Toward Sustainable Development

Nature is an invaluable gift to all living beings. However, disturbances in natural systems have led to a rise in environmental challenges, largely driven by rapid urbanization and industrialization. Unplanned and excessive exploitation of natural resources is placing immense strain on the planet, contributing to rising global temperatures and environmental degradation.

To ensure the well-being of future generations, it is crucial to adopt a **sustainable approach to resource utilization**. Globally, **sustainable development** is emerging as a key strategy to safeguard the environment. Wise and judicious use of resources not only preserves their value but also ensures their availability for the future.

One of the most effective methods to monitor and protect our natural resources is through **environmental auditing**. Originating in the early 1970s, environmental audits were introduced in response to legal mandates requiring compliance with environmental regulations. These audits typically involve **on-site inspections, sample collection, data analysis**, and comprehensive reporting to regulatory authorities.

While industries and corporations have increasingly adopted environmental audits as a tool for sustainability, **academic institutions** also play a vital role. By implementing sustainable practices and conducting internal audits, they can significantly contribute to the conservation of resources within their campuses.

This **Environmental Audit Report** aims to inspire awareness and action by encouraging individuals and institutions to reflect on their environmental impact, recognize the importance of conservation, and commit to reducing resource consumption. By setting an example through **eco-friendly initiatives**, we can collectively work towards the broader goal of **sustainable development**.

Effective implementation of environmental audits can significantly minimize environmental risks at a **reasonable cost**, ultimately helping to build a greener, healthier, and more responsible society.

OVERVIEW OF THE UNIVERSITY

SGT (Shree Guru Gobind Singh Tricentenary) University, Gurugram, spans over 70 acres of lush green campus, enveloped in serene beauty and a tranquil environment. Situated at Chandu-Bhudera on the outskirts of Gurgaon, it is less than five kilometers from the Delhi border at Daurala, offering convenient access from Indira Gandhi International Airport.

SGT University was established by the Haryana Private Universities (Amendment) Act No. 8 of 2013 to provide educational opportunities to all segments of society under the umbrella of Dashmesh Educational Charitable Trust. The Trust was founded in 1999 with the noble mission of spreading the teachings of Shree Guru Gobind Singh Ji, the great philosopher and social reformer who believed that "the spread of learning is the best service to mankind." The foundation for the university's growth was laid in 2002 with the establishment of the SGT Dental College.

In an ever-evolving work environment, SGT University fosters a culture of continuous learning to develop future innovative leaders of international repute. These leaders are quick to learn and implement new skills, understand changing customer needs, and can revamp operations effectively with a significant return on investment. SGT University's modern infrastructure and learner-centric pedagogy fully support its students. The university is focused on investing in "Nurturing Future Leaders" to produce resourceful and productive employees at all levels, from "Green Graduates" to "Tenured Senior Managers." The university is determined to instill domain-specific skills and soft skills in its emerging innovative leaders, making them future-ready. At SGT University, the focus is

on developing skills and behaviors that align with a good cultural fit and the right academic background.

Facilities in campus

Hostel: SGT University provides separate hostels for girls and boys with round-the-clock security. Each hostel features separate dining rooms, recreation rooms, and study rooms.

Transport Services: Theuniversityoperates60buses across NCR and neighbouring areas, serving both students and staff. Bus facilities are also available for hostellers for city visits, with charges based on actual usage.

Playgrounds: SGT University offers a variety of sports facilities, including playgrounds for basketball, volleyball, football, table tennis, cricket, and badminton, promoting the all-round development of students.

Canteen: The spacious cafeteria provides a wide variety of snacks to students and staff at reasonable rates.

Labs: The Department of Anatomy at SGT Medical College, Hospital, and Research Institute features a well equipped museum, dissection hall, and research lab, with facilities for tissue processing, special staining, and research in genetics and embryology.

Gym: SGT University offers well equipped gyms in both the girls' and boys' hostels.

Seminar Hall: The Seminar Hall is an ideal venue for seminars and lectures by medical professionals, offering students insights into various fields. These sessions provide first hand info & opportunities for students to ask questions and clear their doubts.

Library: The university's fully air-conditioned library, designed for comfort and natural lighting, can accommodate450usersatatime. It offers modern facilities and resources, including CD-ROMs, online data bases, books, journals, theses, WHO publications, and more.

VISION & MISSION

VISION

To nurture individual excellence through value-based, cross-cultural, integrated, and holistic education, adopting contemporary and advanced methods blended with ethical values, contributing to building a peaceful and sustainable global civilization.

MISSION

- To impart higher education that meets global standards and the changing needs of society.
- To provide access to quality education and improve the quality of life at individual and community levels through innovations and ethical research.
- To engage with and promote the growth and welfare of the surrounding community through extension and outreach activities.
- To develop socially responsible citizens, fostering ethical values and compassion through community engagement and promotion activities.
- To create a competitive and coordinated environment where individuals develop skills and a lifelong learning attitude to excel in their endeavors.
- To develop Centers of Excellence to achieve cutting-edge technology in all fields.

SGT University offers over 160 courses, including undergraduate, postgraduate, and PhD programs, across 18 faculties.

- *Faculty of Mass Communication & Media Technology*
- *Faculty of Hotel & Tourism Management*
- *Faculty of Fashion & Design*
- *Faculty of Commerce & Management*
- *Faculty of Engineering & Technology*
- *Faculty of Agricultural Sciences*
- *Faculty of Education*
- *Faculty of Law*
- *Faculty of Science*
- *Faculty of Indian Medical System*
- *Faculty of Naturopathy and Yogic Sciences*
- *Faculty of Allied Health Sciences*
- *Faculty of Behavioral Sciences*

- *Faculty of Dental Sciences*
- *Faculty of Nursing*
- *Faculty of Medicine & Health Sciences*
- *Faculty of Physiotherapy*
- *Faculty of Pharmacy*

Library

Computer Lab

Smart classrooms

Seminar room

Geo Location
Geo Coordinates from Google maps:
28.4830607, 76.897286

AUDIT PARTICIPANTS

On behalf of SGT University

Name	Designation
Prof. (Dr.) Hemant Verma	*Hon'ble Vice Chancellor*
Dr. Ajay Kumar Khanduri	*Registrar*
Dr. Suman Vij	*Director, IQAC*
Dr. Archana Chaudhary	*Chairperson, Environment Committee*
Mr. Gaurav Chaudhary	*Admin Officer*
Dr. Manjri Shukla	*Member, Environment Committee*
Ms. Rachna	*Secretary, Environment Committee*
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Dr. Neha Sethi	*AM, IQAC*
Mr. Dinesh Kumar	*Executive, IQAC*
Mr. Kumar Mayank	*Sr. Manager, HR*
Mr. Shripal Singh	*AGM*
Mr. Piyush Kaul	*Member, IQAC*
Mr. Sriram Singh	*Executive, Horticulture*
Mr. Saurabh Saini	*Executive, Horticulture*
Mr. Vishal Patel	*Sr. Executive, Horticulture*
Mr. Sohan Kant	*Sr. Executive, HR*
Mr. Ashwani Bhardwaj	*In-charge, Medical Store*
Mohd. Shah Zafar	*Dy. Manager*
Mr. Sunil	*Engineer*
Mr. Manbir Chaudhary	*Supervisor*
Mr. Rishi Sharma	*CEO, ACIC*
Mr. G. S. Yadav	*AGM, MEP*

On behalf of EHS Alliance Services

Name	Position	Qualifications
Dr. Uday Pratap	Lead Auditor	*Ph.D., PDIS, QCI – WASH, Lead Auditor ISO 14001:2015*
Ms. Pooja Kaushik	Co-Auditor	M.Sc., Field Expert, QCI – WASH, PGCCC
Mr. Puneet Kaushik	Auditor	Environment Expert in Renewable energy and SDG
Mr. Jitendra Punia	Auditor	Sustainability Expert for Industry and Institutions

EXECUTIVE SUMMARY

An environmental audit provides a snapshot of an institution's current performance in complying with relevant environmental laws, regulations, and best practices. While it serves as a valuable baseline assessment, its long-term effectiveness depends on the presence of systems that ensure continuous monitoring and improvement of environmental compliance.

At SGT University, our approach to building a green campus goes beyond compliance—we aim to instill sustainable values in students, empowering them to carry these principles forward into their personal and professional lives. This holistic approach helps embed environmental and sustainability consciousness across institutions and organizations nationwide.

A Green Campus integrates environmentally responsible practices with academic engagement to foster a culture of sustainability. It provides institutions an opportunity to lead by example, redefine their environmental ethos, and contribute innovative solutions to the social, environmental, and economic challenges of our time.

This report marks the sixth environmental audit of the university—an affirmation of its ongoing commitment to environmental protection and awareness, both locally and globally. The audit was conducted using a structured questionnaire, with criteria including:

- Environmental awareness and literacy
- Waste minimization and management
- Biodiversity conservation
- Water conservation
- Energy conservation
- Compliance with environmental legislation

This report presents key observations, as well as recommendations to strengthen environmental performance and consciousness across campus operations.

WASTE MANAGEMENT

TYPE OF WASTE ON UNIVERSITY CAMPUS

To develop an effective waste management strategy, it is essential to first understand the types of waste generated within the university campus. Below is an overview of the various categories of waste commonly produced in an academic environment, along with the existing and recommended management practices at SGT University:

1. Food Waste

The university campus, particularly the canteen and hostel mess, generates approximately **40 kg of food waste daily**. This typically results from over-purchasing supplies or students discarding uneaten food. The institution is actively working to minimize food waste through awareness campaigns and better inventory planning.

2. Recyclable Materials: Paper, Cardboard, Plastic, Glass & Cans

Despite the digital era, a large amount of **recyclable waste** is generated from handwritten notes, printed materials, and packaging. The university uses **a paper recycling unit** to process this waste efficiently and encourages recycling across all departments.

3. Clothing and Housewares

Students often discard usable clothes and dorm items at the end of academic sessions. To address this, the university—through **NSS, and environment committee**—organizes **regular clothing donation drives** in collaboration with NGOs such as **Help age India, Smile Train, The Blind Relief Association, Delhi, Reliance Foundation**, promoting a culture of reuse and social responsibility.

4. E-Waste

Obsolete electronics like computers, printers, phones, and other devices from staff and students contribute to **e-waste**. The university has formal **tie-ups with authorized recycling agencies** and has designated storage for safe handling and periodic disposal through auction processes.

5. Chemical Waste

Generated mainly in **science laboratories and cleaning services**, chemical waste is handled with strict adherence to the **Manufacture, Storage, and Import of Hazardous Chemicals Rules, 1989**. The Chemistry Department actively implements **waste minimization techniques** in all experiments.

6. Maintenance Waste

Waste from the maintenance department includes **paints, solvents, adhesives, lubricants**, and spent bulbs. Fluorescent lamps, which contain **mercury**, require **specialized handling and disposal**, while regular incandescent bulbs often become landfill waste.

7. Biological Waste

Biological waste typically requires disposal under the **Bio-Medical Waste Management Rules, 2016**. However, Waste from laboratories and medical centres, including tissue samples and contaminated materials, must be handled and disposed of according to BMW Rules, 2016.

8. Furniture Waste

Old and damaged furniture is periodically replaced during upgrades in classrooms, labs, and other facilities. These items are **annually sold to authorized scrap dealers**.

9. Books, Magazines & Newspapers

Outdated or unused books often contribute to solid waste. At SGT, students are encouraged to **donate textbooks and notes** to juniors. Departments also organize **book donation drives** in collaboration with NGOs, and unsalvageable books are auctioned to resellers.

10. Construction and Demolition (C&D) Waste

Renovation and construction work generate **C&D waste**, which is responsibly **disposed of at authorized CPCB/SPCB dumping sites** or used for **backfilling** where appropriate.

11. Solid Waste

The university has implemented **solid waste segregation** practices and ensures daily disposal through the **municipal corporation**. Compostable materials are processed through **in-house composting units**.

12. Horticulture Waste

With vast green areas and landscaping, the campus produces a substantial amount of **horticultural waste**. This is efficiently managed through an **on-campus composting system**, contributing to soil enrichment and zero-waste gardening practices.

ENERGY CONSERVATION

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

- *To meet the daily needs of conducting classes, operating computer labs, library, offices, staff room, canteen, hostel, etc.*

B. LPG

- *Cafeteria and hostel mess*

C. Petrol & Diesel

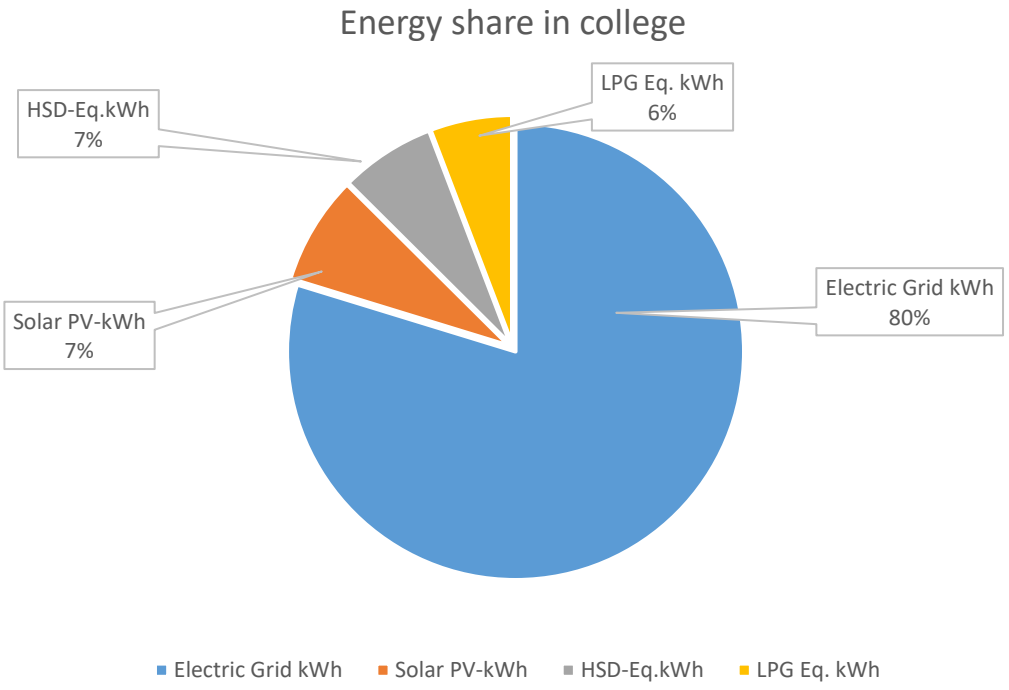
- *71 Car runs on CNG and petrol*
- *Diesel in DG set*

Ways to use less energy

- *Replacing the conventional bulbs to LEDs*
- *Using energy efficient appliances*
- *Solar PV (910 KW) installed on building roofs*
- *Solar lights and solar geysers are also used*
- *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.*
- *Sealing cracks and gaps and leaks and adding insulation which leads to saving energy up to 10% on heating and cooling.*

	• *Insulate the room spaces* • *Turn off the switch on the socket after use.*
Are there any energy-saving methods employed in your institute? If yes, please specify. If no, suggest some	*University has adopted several energy-saving techniques* • *Renewable source of energy through 910 KW solar panel is operational* • *Solar heaters are installed for hostels and mess* • *LED lights have been installed on campus* • *To switch off fans and lights when not in use* • *To switch off bulbs/LEDs in the well-lighted rooms during sunny afternoons* • *To organize various energy conservation awareness programs for students and staff* • *To keep the computers and ACs on power saving mode.* • *To buy energy-saving equipment* • *To install green mats on corridors to reduce sunlight exposure*
How many CFL/LED bulbs has your institute installed?	*University has replaced all conventional bulbs and tube lights with 20W LED Lights.*
Do you run "switch off" drills at the institute?	*Yes*
Are your computers and other equipment put in power-saving mode?	*Yes, SGT University put the equipment on power-saving mode*
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*

	kWh	Percentage
Electric Grid kWh	*7870245.00*	*79.74%*
Solar PV-kWh	*762061.70*	*7.72%*
HSD-Eq. kWh	*665753.00*	*6.75%*
LPG Eq. kWh	*572255.30*	*5.80%*
Total -kWh	***9870315.00***	***100%***



WATER & WASTEWATER MANAGEMENT

List uses of water in your institute	*Basic use of water in campus:* ***Drinking** – 312.07 KL/month* ***Gardening** – 200.32 Kl/month* ***Kitchen and Toilets** – 1269.38 KL/month* ***Others** – 67.51 KL/month* ***Hostel** – 4320 KL/Month* ***Hospital Beds** 750 – 10125 KL/Month* ***OPD Patients 1000** – 450 KL/month* ***Total = 16744.28 KL/Month*** **(STP and ETP treated water used for irrigation of Greenbelt)*
How does your institute store water? Are there any water saving techniques followed in	*University relies on tanker water as a primary source for academic blocks and teachers' houses, and bore wells as a secondary source.* *4 Overhead Water Tanks and 03 Underground Water tanks installed for storage of water.* *Saving Techniques* • *Avoid overflow of water-controlled valves are provided in water supply system.*

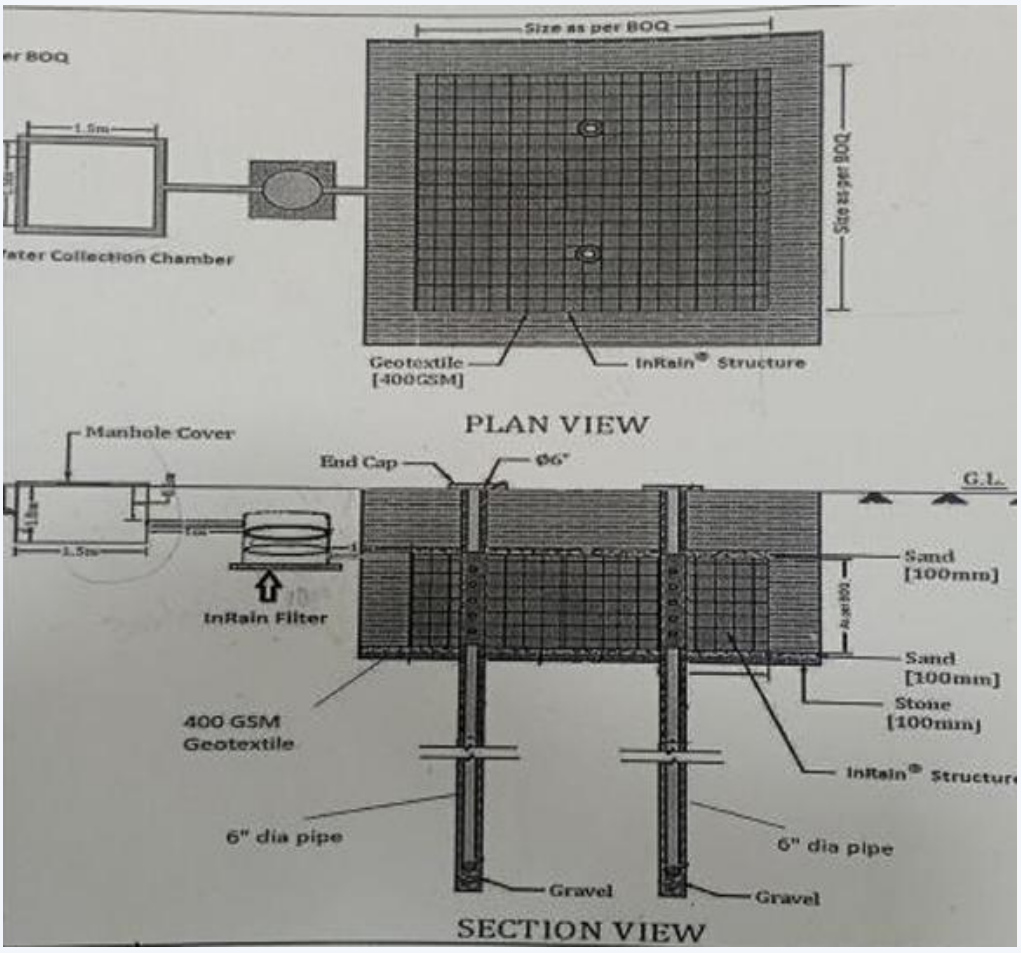
your institute?	• *University ensures regular water tank maintenance and checks water quality standards on campus.* • *The water tanks and water coolers are checked every three months, and RO systems are regularly changed.* • *Sprinklers usage for gardening and grass cover*
Locate the point of entry of water and point of exit of wastewater in your institute. (Entry and Exit)	***Entry*** *- The primary source of water is tankers, and secondary source is borewells.* ***Exit*** *- From Canteen, Toilets, Hostel, Bathrooms and Labs through covered drainage which is connected to Sewage Treatment plant (STP)*
Write down ways that could reduce the amount of water used in your institute	• *The university ensures that the faucets in the washrooms and water filtration units are checked regularly and do not have any leakages.* • *The university checks the water flow in the taps.* • *The university has initiated the installation of auto-push taps to reduce water wastage.* • *The campus has 60+ double-level flush systems in the academic blocks to further reduce water usage.* • *SGT University has implemented several unique and unconventional approaches to sustainability that have yielded positive results.* • *The university-planted adusa, scientifically known as Justicia adhatoda, is a versatile and medicinal plant often used in traditional remedies. Also, the university planted Sisymbrium, Chamrod, and Vajradanti, which require less water.* • *The university has initiated growing plants native to the semi-arid regions, requiring less water to survive.* *These initiatives have significantly reduced water usage on campus while promoting sustainable water management practices.*
Does your institute harvest rainwater?	*Yes, SGT University has 12 traditional rainwater harvesting units and additional 14 units with modular filters*
Is there any water	*Yes, university has STP and ETP for waste water treatment.* *• University has 2 STP of capacity 275 KLD*

recycling System?

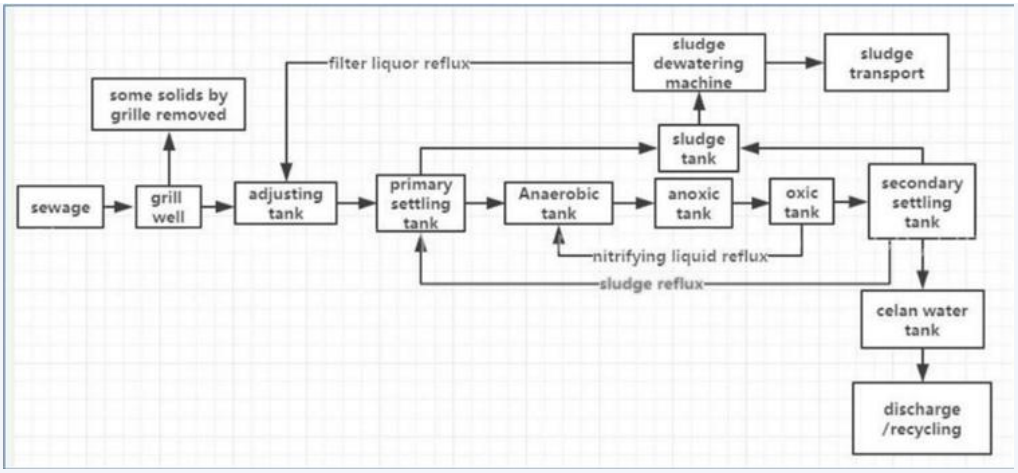
• *2 ETP units of capacity of 40 KLD and 10 KLD respectively*

Zero Liquid Discharge (ZLD) and Rainwater Harvesting *- Zero Liquid Discharge (ZLD) is a strategic wastewater management system designed to ensure that no industrial wastewater is released into the environment. This is accomplished by treating wastewater, recycling it, and recovering and reusing it for various purposes such as flushing, gardening, DG cooling, and housekeeping.*

The flow diagram of the STP is provided below.



SGT University has implemented a ZLD system with a 275 KLD Sewage Treatment Plant (STP) and Effluent Treatment Plants (ETP) of 10 KLD and 40 KLD capacity, in compliance with the Environment Clearance from the State Pollution Control Board dated 19.03.2021. Rainwater Harvesting (RWH) involves collecting and storing rainwater rather than allowing it to run off. This water is collected from roof surfaces and redirected to a tank, cistern, deep pit (well, shaft, or borehole), aquifer, or reservoir with percolation to replenish the groundwater. SGT University has installed a total of 26 RWH units on the campus to support this initiative.



AIR QUALITY MANAGEMENT

Are the Rooms in Campus Well Ventilated?	*Yes, as per National Building Code, guidelines*
Window Floor ratio of the Rooms?	*Very Good, ample daylight utilization because of big windows.*
What is the ownership of the vehicles used by your campus?	*There are 62 buses, 163 cars, 8 vans, and 5 other vehicles in university. Campus has 3 e-rikshaws, but the same is not mentioned in the above table because e Rikshaw doesn't require any fuel and are pollution free*
Provide details of Institute-owned vehicles?	*Diesel – 19* *Petrol/CNG – 69* *Electric – 4*
PUC done?	*Yes*
Air Quality Monitoring Program (If, Any)	*Yes, half-yearly monitoring is done by the NABL-approved Laboratory* *SGT University implements several measures to mitigate air pollution on campus:* ***Promotion of Public Transport**: Students are encouraged to use public transportation, reducing the number of private vehicles on campus.* ***Restricted Vehicle Movement**: No vehicle movement is allowed within the campus, except for periodic goods and service vehicles. This minimizes air pollution from vehicular emissions.*

	Designated Parking: *Staff vehicles are parked in a designated space within the campus, further limiting vehicular movement and associated pollution.* ***Dust Pollution Control****: Paved roads and extensive vegetation on campus significantly reduce dust pollution. Waste Management: Burning of waste within the campus is strictly banned, preventing the release of harmful pollutants into the air.*

ENVIRONMENT LEGISLATIVE COMPLIANCE

Are you aware of any environmental Laws Pertaining to different aspects of environmental management?	*Yes, to promote environment management on the campus, the university follows these laws:* *1) Protection of trees on campus (National Green Tribunal Act, 2010)* *2) De-concretisation of trees (National Green Tribunal Act, 2010)* *3) Segregation and recycling of Waste (Solid Waste Management Rules 2016)* *4) Reduce Noise on campus (Noise Pollution (regulation and control) Rule, 2000)* *5) Reduce the single use of plastic, and recycling of plastic (Plastic Waste Management Rules, 2016)* *6) Recycling of electronic waste (e-waste Management and Handling Rules 2011)* *7) The university has several environmental Policies* *8) Environment Policy* *9) Plastic Free Campus* *10) Energy usage Policy* *11) Waste management policy*
Does your institute have any rules to protect the environment? List possible rules you could include.	*Yes, the environment committee and the Department of Environmental Studies of university are conscious of environmental protection and take proper measures in terms of awareness campaigns, activities, webinars, seminars, etc.* • *University follows the ban on single-use plastic.* • *SGT follow rules for the safe disposal of hazardous e-waste.* • *SGT follow the rule on the de-concretisation of trees.*
Does Environmental Ambient Air Quality Monitoring conducted by the Institute?	*Yes, half yearly monitoring is done by the NABL approved Laboratory*

Does Environmental Water and Wastewater Quality monitoring conducted by the Institute?	*Yes, half yearly monitoring is done by the NABL approved Laboratory*
Does stack monitoring of DG sets conducted by the Institute?	*Yes, half yearly monitoring is done by the NABL approved Laboratory*
Is any warning notice, or letter issued by state government bodies?	*No*
Does any Hazardous waste generated by the Institute?	*Yes, it is being disposed though the authorized external agency. (Biotic Waste limited)*

GENERAL INFORMATION

Does your institute have any rules to protect the environment? List possible rules you could include.	*Yes, environment committee and the Department of Environmental Studies of university are conscious of environmental protection and take proper measures in terms of awareness campaigns, activities, webinars, seminars, etc. We follow the ban on single-use plastic.*
Are students and faculties aware of environmental cleanliness ways? If Yes Explain	*SGT University creates awareness through activities, Webinars, cleanliness drives in the community.*
Does Important Days Like World Environment Day, Earth Day, and Ozone Day etc. eminent in Campus?	*To create sensitisation on environment and related issues among the student community and teaching and non-teaching staff, the university celebrates various events like the World Environment Day, Earth Day, Zero Emission Day, Wildlife Week, Swachhta Pakhwada, etc.*

Does Institute participate in National and Local Environmental Protection Movement?	*Yes, university actively participates in national-level programs like Swachhta Pakhwada, Clean India, Swachhta Shramdan, and also celebrates various environmental protection days. The university also organised various activities in the surrounding localities and adopted the village of Sakatpur, Sultanpur, Jhanjrola, Dhanawas, Iqbalpur.*
Does Institute have any Recognition or certification for environment friendliness?	*SGT University and its environment committee have successfully got the certificate of Green Ranking 2024 from Sustainable Institutional of Inda.*
Does the Institution conduct a green or environmental audit of its campus?	*This is the seventh external audit carried out by the university.*
Does any Hazardous waste generated by the Institute?	*No*

INITIATIVES CARRIED OUT BY UNIVERSITY

1. Renewable Energy Initiatives

- A 910-kW rooftop Solar Photovoltaic (PV) system has been installed to support the institution's renewable energy goals.
- Solar-powered Street lighting is operational across the campus.
- Solar geysers have been installed on the rooftop of Hostel for energy-efficient water heating.

2. Rainwater Harvesting

- Twelve rainwater harvesting pits have been developed on campus to support groundwater recharge, and an additional 12 units with modular filters.
- The harvested rainwater is primarily used for landscaping and gardening purposes.

3. Liquid Waste Management

- Leakproof water fixtures are installed and maintained routinely to prevent wastage.
- Water-saving measures include the construction of Indian-style toilets, which consume significantly less water compared to Western-style systems.

- A dedicated staff member is assigned to promptly address any water leakage issues in taps, pipelines, tanks, or flushing systems.
- Wastewater generated from the campus RO (Reverse Osmosis) system is reused for gardening

4. Solid Waste Management

- The university effectively manages horticultural waste through composting, promoting environmentally responsible disposal practices.
- Paper consumption is reduced by digitizing attendance records and internal assessment processes.
- The library encourages the use of digital resources by continuously updating its collection of e-books and e-journals.
- Awareness campaigns are conducted to educate students on food wastage and strategies for minimizing it.
- Students are motivated to adopt the habit of reusing and recycling non-biodegradable materials.
- The institution regularly hosts workshops on solid waste management for student engagement and learning.
- The use of single-use plastics and plastic crockery is strictly prohibited on campus.
- Through various initiatives and awareness drives, the university actively promotes the principles of Reduce, Reuse, and Recycle (3Rs) as part of its sustainability commitment.

5. E-Waste Management

- The university has allocated a secure storage facility specifically for the accumulation of electronic waste.
- E-waste is periodically disposed of through a certified auction process in collaboration with authorized waste management agencies.

6. Air Pollution Control

- To minimize vehicular emissions, student-owned personal vehicles are not permitted within the campus premises.

7. Environment Committee & NSS Environmental Initiatives

- To minimize vehicular emissions, student-owned personal vehicles are not permitted within the campus premises.
- 30-DAY ENVIRONMENTAL CHALLENGE, “The Path Ahead: Conserving What We Have For The Generations To Come” Organizer(S): National Edutrust Of India Under The Office Of Student Welfare.
- Awareness Rally on Ozone for Life Organizer(s): Kadam Club, Department of Environmental Science, FABS on 16-18 September 2024.
- Workshop on Renewable Energy for a Sustainable Future Organizer(s): KADAM Club, Department of Environmental Science on 14 December 2024.
- Interactive Session on Prakriti Samvad Organizer(s): Kadam Club, Department of Environmental Science Objective of the event: Sensitizing students, Awareness building, encouraging sustainable lifestyle on 26th Jan 2025 to 27th Jan 2025.

- Webinar- Conservation of Water Resources Organizer(s): Kadam Club, Department of Environmental Science on 11 February 2025.
- World Water Day Celebration Organizer(s): Kadam Club, Department of Environmental Science, Faculty of Applied and Basic Sciences on 22 March 2025.
- Environmental Fest 2025 Organizer(s): Kadam Club, Department of Environmental Science, Faculty of Applied and Basic Sciences on 18 April 2025.
- Workshop cum Lecture on Noise Pollution and Control: Strategies and Implications Organizer(s): Savant Club, Department of Physics In association with Kadamb Club, Department of Environmental Science, Faculty of Applied and Basic Sciences on 05 March 2025.
- Cyber Hygiene: Best practices for a secure Digital Environment Organizer(s): Cyber Hygiene: Best practices for a secure Digital Environment on 26 March 2025.
- Industrial Visit to CRF, IIT Delhi Organizer(s): Kadam Club, Department of Environmental Science, Faculty of Applied and Basic Sciences on 09 April 2025.
- Empowering Villages with Solar Energy: A Step Towards Sustainable Living by Faculty of Engineering and Technology (Mechanical Engineering Department) on 29th April 2025.
- Outreach event - "Biogas for a Greener Tomorrow: Sustainable Energy Awareness for Rural Communities" by Faculty of Engineering and Technology (Mechanical Engineering Department) on 1st May 2025
- An Industrial-cum-Academic field visit to Water Treatment Plant at Basai was organized for Final year BDS Students and Final year Postgraduates in the department of Public Health Dentistry on 28th March 2016.
- Cleanliness Drive on World Environment Day on 5th June 2025.
- Some other activity details are below:

Sl. No.	Name of the capability enhancement scheme	Year of implement ation	Name of the agencies involved with their contact details
1	World Ozone Day	2024-25	Kadam Club, Department of Environmental Science, FABS
2	Workshop on National Energy Conservation Day (15 Dec 2024)	2024-25	KADAM Club, Department of Environmental Science
3	Educational Trip "Prakrity Samvad" (27 January, 2025)	2024-25	Kadam Club, Department of Environmental Science
4	Webinar on Water Conservation (11 February 2025)	2024-25	Kadam Club, Department of Environmental Science
5	World Water Day Celebration (22 March 2025)	2024-25	Kadam Club, Department of Environmental Science, Faculty of Applied and Basic Sciences.

6	ENVIRONMENTAL FEST 2025	2024-25	Kadam Club, Department of Environmental Science, Faculty of Applied and Basic Sciences.
7	Workshop Cum Lecture on 5th March 2025 (Noise Pollution and Control: Strategies and Implications)	2024-25	Savant Club, Department of Physics In association with Kadamb Club, Department of Environmental Science, Faculty of Applied and Basic Sciences
8	Workshop on Cyber Hygiene	2024-25	Cyber Hygiene: Best practices for a secure Digital Environment
9	Educational Visit to Central Research Facility (CRF), IIT Delhi	2024-25	Kadam Club, Department of Environmental Science, Faculty of Applied and Basic Sciences
10	Webinar on Water Conservation (11 February 2025)	2024-25	Kadam Club, Department of Environmental Science
11	World Water Day Celebration (22 March 2025)	2024-25	Kadam Club, Department of Environmental Science, Faculty of Applied and Basic Sciences.
12	Workshop Cum Lecture on 5th March 2025 (Noise Pollution and Control: Strategies and Implications)	2024-25	Savant Club, Department of Physics In association with Kadamb Club, Department of Environmental Science, Faculty of Applied and Basic Sciences
13	Biogas for a Greener Tomorrow: Sustainable Energy Awareness for Rural Communities	01-05-2025	FEAT
14	Empowering Villages with Solar Energy: A Step Towards Sustainable Living	29-04-2025	FEAT
15	30 Days Environmental Challenge	29th July to 27th August 24	DSW
16	Awareness Rally on Banning Firecrackers and celebrate eco-friendly festivals	2024-25	Faculty of Applied and Basic Sciences (FABS), SGT University, Gurugram

RECOMMENDATIONS

- **Eco-friendly criteria** should be incorporated into the procurement process for all goods and materials used on campus to promote sustainable consumption.
- The campus community is encouraged to adopt **carpooling practices** as a means to reduce vehicular emissions and contribute to cleaner air.
- A **regular maintenance schedule** should be implemented for key sustainability systems such as the **solar photovoltaic (PV) panels, solar geysers, and rainwater harvesting pits and drainage systems** to ensure optimal efficiency and longevity.
- Periodic maintenance of **air conditioning systems (ACs)** and **diesel generators (DGs)** is recommended to improve operational efficiency and reduce energy consumption.
- **Environmental monitoring**, including **stack emissions from DG sets and water quality assessments**, should be conducted regularly in accordance with guidelines from the **State Pollution Control Board (SPCB)**.
- Efforts should be made to **reduce carbon emissions** by limiting the consumption of **LPG and diesel fuel** wherever feasible.
- Implementation of **water metering systems** is recommended to support **water auditing and balance tracking**, enabling more responsible water usage.
-

CONCLUSION

This environmental audit was carried out through in-depth consultations and collaborative discussions with the campus team, including key stakeholders responsible for sustainability and infrastructure. The audit process covered a broad spectrum of environmental considerations and site observations.

Notably, approximately **75% of the university campus** is dedicated to **landscaping and green cover**, reflecting the institution's commitment to environmental preservation. **SGT University** has demonstrated a strong intent to foster environmental stewardship both within the campus and in the broader community.

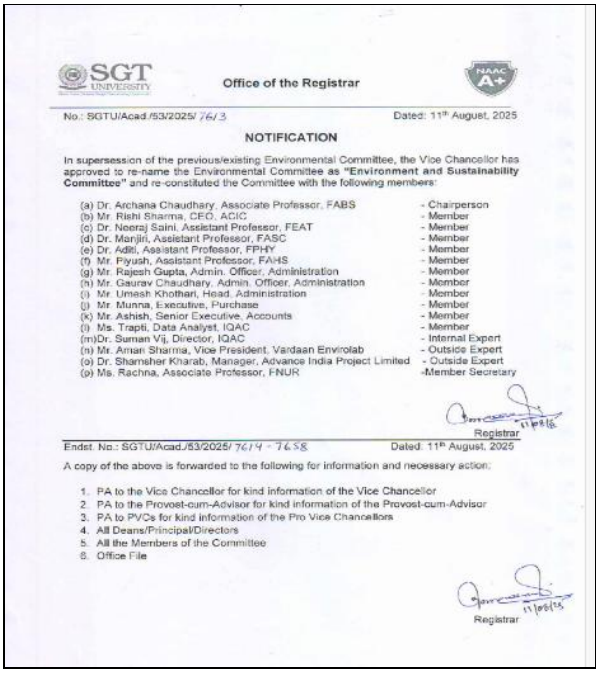
While the current practices are commendable and indicate that the site is generally well-maintained from an environmental standpoint, the audit has highlighted several **opportunities for enhancement**. The recommendations provided herein offer practical and actionable steps that can further support the university in becoming a more **sustainable and eco-conscious institution**.

By implementing these suggestions, the university can strengthen its environmental initiatives and set a benchmark.

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

ANNEXURE I – ENVIRONMENTAL RECOGNITION AND COMPLIANCE



SGT UNIVERSITY

Office of the Registrar

No.: SGTU/Acad./53/2025/ 7613 Dated: 11th August, 2025

NOTIFICATION

In supersession of the previous/existing Environmental Committee, the Vice Chancellor has approved to re-name the Environmental Committee as **"Environment and Sustainability Committee"** and re-constituted the Committee with the following members:

(a) Dr. Archana Chaudhary, Associate Professor, FABS	- Chairperson
(b) Mr. Rishi Sharma, CEO, ACIC	- Member
(c) Dr. Neeraj Saini, Assistant Professor, FEAT	- Member
(d) Dr. Manjiri, Assistant Professor, FASC	- Member
(e) Dr. Aditi, Assistant Professor, FPHY	- Member
(f) Mr. Piyush, Assistant Professor, FAHS	- Member
(g) Mr. Rajesh Gupta, Admin. Officer, Administration	- Member
(h) Mr. Gaurav Chaudhary, Admin. Officer, Administration	- Member
(i) Mr. Umesh Kholhari, Head, Administration	- Member
(j) Mr. Munna, Executive, Purchase	- Member
(k) Mr. Ashish, Senior Executive, Accounts	- Member
(l) Ms. Trapti, Data Analyst, IQAC	- Member
(m)Dr. Suman Vij, Director, IQAC	- Internal Expert
(n) Mr. Aman Sharma, Vice President, Vardaan Envirolab	- Outside Expert
(o) Dr. Shamsher Kharab, Manager, Advance India Project Limited	- Outside Expert
(p) Ms. Rachna, Associate Professor, FNUR	-Member Secretary

Registrar

Endst. No.: SGTU/Acad./53/2025/ 7614 - 7658 Dated: 11th August, 2025

A copy of the above is forwarded to the following for information and necessary action:

1. PA to the Vice Chancellor for kind information of the Vice Chancellor
2. PA to the Provost-cum-Advisor for kind information of the Provost-cum-Advisor
3. PA to PVCs for kind information of the Pro Vice Chancellors
4. All Deans/Principal/Directors
5. All the Members of the Committee
6. Office File

Registrar

भारतीय गैर न्यायिक

एक सौ रुपये Rs. 100

रु.-100 ONE HUNDRED RUPEES

भारत INDIA

INDIA NON JUDICIAL

हरियाणा HARYANA Y 887179

THIS Agreement is made at Faridabad on this 28th day of March 2025

BY AND BETWEEN

Gujarat Enviro Protection and Infrastructure (Haryana) Pvt. Ltd., a company incorporated and registered under the provisions of the Companies Act, 2013 and having its registered office at 370, S V P Road, Shop 8, Plot 384, Cigarettwala Bldg. Opp. CBI Prabhu Samaj, Nr. Harkishandas Hospital, Mumbai (Maharashtra) (hereinafter referred to as GEPIL (Haryana) which expression shall unless repugnant to the context or meaning thereof shall mean and include its successors, representatives and permitted assignees etc.) of the FIRST PART

AND

M/s Dashmesh Educational Charitable Trust which is a Company / Partnership Firm / Proprietary Concern duly incorporated under the provisions of ____ located at Village - Budhera, Near Sultanpur Gurgaon ____ and having its registered office at ____ (hereinafter referred to as The Client which expression shall unless repugnant to the context or meaning thereof shall mean and include its successors, representatives and permitted assignees etc.) of the SECOND PART.

Recitals

WHEREAS Haryana Environmental Management Society (HEMS), a society registered under the Societies Registration Act, 1860 having its registered office at SCO 45, 1st floor, Sector -31, HUDA Market, Gurgaon, Haryana acting as a nodal agency of the Government of Haryana has awarded the work to a Consortium of Members led by Gujarat Enviro Protection & Infrastructure Ltd. (GEPIL) for development and operation of a Hazardous Waste Management Facility (HWM Facility) at Village Pali, Near Pali-Mohabatabad Stone Crusher Zone, Faridabad, Haryana on the leasehold land as per Lease Agreement executed between HEMS and Municipal Corporation, Faridabad (MCF) on 10th April 2005.

For Gujarat Enviro Protection And Infrastructure (Haryana) Pvt. Ltd.

SIGNED & STAMP for & on behalf of GEPIL (Haryana)

Authorised Signatory

NOTARY Mahender S. Punia Gurugram Regd. No. 30990 GOVT. OF INDIA

Dashmesh Educational Charitable Trust

SIGNED & STAMP for & on behalf of the Client

Authorised Signatory

Application no. :41840895
Industry id: 15GUNO547152
Date: 07/08/2025

Haryana State Pollution Control Board
Gurgaon North Vikas Sadan, 1st Floor, Near DC Court, Gurgaon Ph.0124-2332775 Email:- hspcbrogrn@gmail.com

No. :HWM/GUNO/2025/41840895 **DT: 07/08/2025**

To

M/s SGT University (A unit of Dashmesh Educational Charitable Trust)
Farukh Nagar Road, Village -Budhera, District- Gurgaon, Haryana
Gurgaon north

Sub: Grant of Authorization under Hazardous and Other Wastes(Management & Transboundry Movement) Rules, 2016

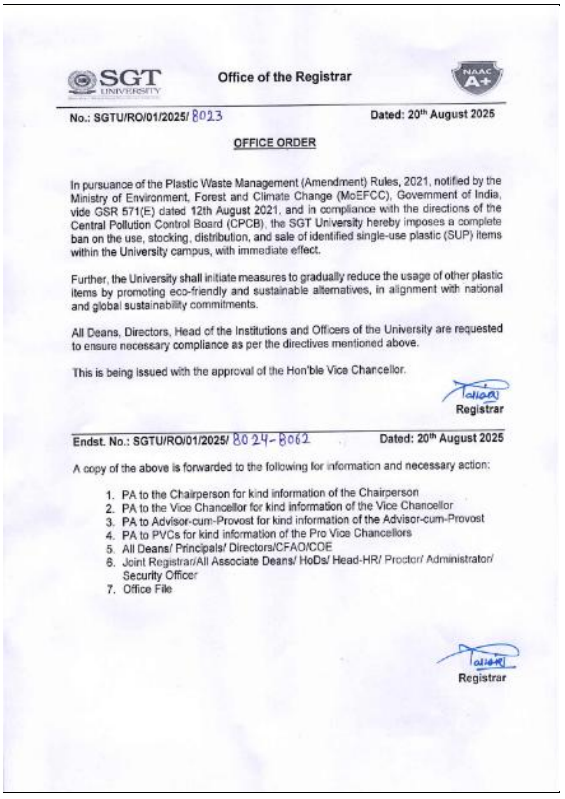
1. Reference of application:41840895 dated: 07/08/2025
2. Gaurav Chaudhary of SGT University (A unit of Dashmesh Educational Charitable Trust) is hereby granted an authorization for generation, storage on the premises situated at Farukh Nagar Road, Village -Budhera, District- Gurgaon, Haryana

Details of Authorization

S.No.	Name of process and Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc.	Quantity
1	Industrial operations using mineral/synthetic oil as lubricant in hydraulic systems or other applications, Used/spent oil	Authorized recyclers	2 KL/Annum

1. The authorization shall be valid for a period of 01/10/2025 to 30/09/2027
2. The authorization is subject to the following general and specific conditions :-

(i) **1. The unit will submit the Annual Report under HWM Rules by 30th June and Environment Statement by 30th September every year. 2. Unit will apply for renewal of consent/Authorization at least 90 days before expiry date of the consent/Authorization. 3. The hazardous waste generated by the unit will be disposed off through authorized TSDF/recyclers / Refiners of hazardous waste. 4. Unit will comply all the applicable Law/Acts/CPCB directions under the HOWM, Rules 2016 time to time, Unit will submit Annual Return under HWM, Rules timely. 5. Unit will maintain the record of storage and sold out the waste/spent oil of dg sets and same will submit in board on yearly basis. 6. That the authorization under HWM rules so granted shall become invalid in case of violation of any of the above / any law of the land. 7. Unit will generate online manifest regarding lifting of Hazardous Waste. 8) Unit is directed to comply with all the conditions invoked in authorization granted, failing which authorization granted will be suspended /revoked.**



SGT UNIVERSITY

Office of the Registrar

No.: SGTU/RO/01/2025/ 8023 Dated: 20th August 2025

OFFICE ORDER

In pursuance of the Plastic Waste Management (Amendment) Rules, 2021, notified by the Ministry of Environment, Forest and Climate Change (MoEFCC), Government of India, vide GSR 571(E) dated 12th August 2021, and in compliance with the directions of the Central Pollution Control Board (CPCB), the SGT University hereby imposes a complete ban on the use, stocking, distribution, and sale of identified single-use plastic (SUP) items within the University campus, with immediate effect.

Further, the University shall initiate measures to gradually reduce the usage of other plastic items by promoting eco-friendly and sustainable alternatives, in alignment with national and global sustainability commitments.

All Deans, Directors, Head of the Institutions and Officers of the University are requested to ensure necessary compliance as per the directives mentioned above.

This is being issued with the approval of the Hon'ble Vice Chancellor.

Registrar

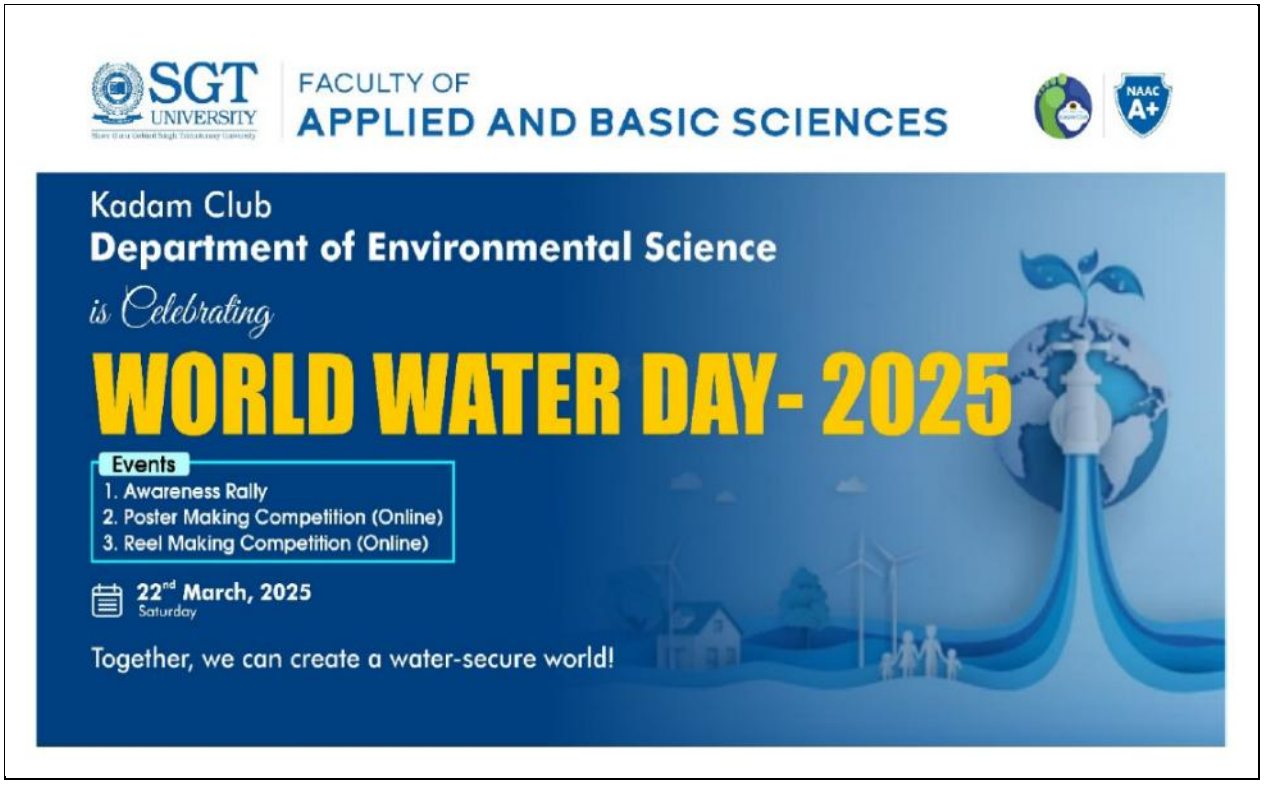
Endst. No.: SGTU/RO/01/2025/ 8024-8062 Dated: 20th August 2025

A copy of the above is forwarded to the following for information and necessary action:

1. PA to the Chairperson for kind information of the Chairperson
2. PA to the Vice Chancellor for kind information of the Vice Chancellor
3. PA to Advisor-cum-Provost for kind information of the Advisor-cum-Provost
4. PA to PVCs for kind information of the Pro Vice Chancellors
5. All Deans/ Principals/ Directors/CFAO/COE
6. Joint Registrar/All Associate Deans/ HoDs/ Head-HR/ Proctor/ Administrator/ Security Officer
7. Office File

Registrar


SGT UNIVERSITY
FACULTY OF
APPLIED AND BASIC SCIENCES
NAAC A+
Kadam Club,
Department of Environmental Science
in association with Academic Club ANVAYA
is organising an
"ENVIRONMENTAL FEST"
Theme - Green Transition, Sustainable Solution
Chief Guest
Dr. Rajendra Singh
"The Waterman of India"
April 18, 2025
Friday
Shooting Floor, A -Block,
SGT University


SGT UNIVERSITY
FACULTY OF
APPLIED AND BASIC SCIENCES
NAAC A+
Kadam Club
Department of Environmental Science
is Celebrating
WORLD WATER DAY- 2025
Events
1. Awareness Rally
2. Poster Making Competition (Online)
3. Reel Making Competition (Online)
22nd March, 2025
Saturday
Together, we can create a water-secure world!

SGT UNIVERSITY | FACULTY OF APPLIED AND BASIC SCIENCES

ANNEXURE II – PHOTOGRAPHS OF ENVIRONMENTAL INITIATIVES

Well Maintained Campus

Well Ventilated Building

Lush Green Campus

Paved Pathways

Color Coded Dustbins

Nursery

Ornamental Plants In Campus

Indoor Plants In Campus

Smart Classrooms

Water cooler

STP plant

Central laundry to save water

Solar street lights

Green Campus

BMW management

Plantation Drive

Plantation Drive

Solar PV Installed

Sensor Based Lights

Garbage Collection And Disposal

Herbal Garded

Miyawaki Forest

Rainwater Harvesting Pit

Urinals To Save Water

Washing Machin To Save Water And Energy

Awareness Campaign

Awareness Program

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