



SGT UNIVERSITY

ENVIRONMENT AUDIT REPORT

2023-2024



Prepared by
EHS ALLIANCE

Table Of Content

Certificate.....	2
Acknowledgement.....	3
Disclaimer.....	4
Concept & Context	5
Introduction.....	6
Overview Of University.....	7
Vision & Mission	8
Audit Participants.....	10
Executive Summary	11
Waste Management	11
Types of Waste on the University Campus.....	11
Environment Audit Analysis.....	13
1.1 Energy Conservation.....	13
1.2 Water & Waste Water Management	15
1.3 Bio Diversity.....	18
1.4 Air Quality Management	18
1.5 Environment Legislative Compliance.....	20
1.6 General Information	21
Green Initiatives By campus.....	22
Recommendations.....	23
Conclusion.....	24
References:.....	24
Annexure I – Environmental Recognition and Compliance	25
Annexure II - Photographs of Environment Consciousness.....	27

Certificate



CERTIFICATE

PRESENTED TO

SGT UNIVERSITY

Budhera, Gurugram-Badli Road, Gurugram- 122505, Haryana, India.

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 2023-24

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.

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

SIGNATURE



11.06.2024
DATE OF AUDIT

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

Acknowledgement

EHS Alliance Services extends its heartfelt gratitude to the management of SGT University for entrusting us with the crucial task of conducting the Environment Audit. We deeply appreciate the cooperation provided by all teams involved, which facilitated the successful completion of the assessment.

Firstly, we would like to express our sincere thanks to **Prof. S.P. Aggarwal, Pro-Vice Chancellor (SGT University)**, for giving us the opportunity to evaluate the environmental performance of the campus.

Our appreciation also goes to **Prof. (Dr.) Joginder Yadav, Registrar, SGT University**, for his unwavering support and guidance, without which the project could not have been completed.

Additionally, we are grateful to the other staff members who actively participated in data collection and field measurements. We also extend our thanks to

Dr. Archana Chaudhary	Chairperson, Environment Committee
-----------------------	------------------------------------

Mr. Gaurav Chaudhary	Admin Officer
----------------------	---------------

Dr. Shikha Sharma	Secretary, Environment Committee
-------------------	----------------------------------

for their valuable contributions and assistance throughout the process.



Disclaimer

The EHS Alliance Services Audit Team has prepared this report for SGT University based on the input data provided by the University's representatives, supplemented by the expert team's best judgment.

While reasonable care has been taken in preparing this report, the details contained herein have been compiled in good faith based on the information available. The conclusions are based on best estimates, and no representation, warranty, or undertaking, express or implied, is made. The Audit Team accepts no responsibility for any direct or consequential loss arising from the use of the information, statements, or forecasts in this report.

If you wish to distribute copies of this report outside your organization, please ensure that all pages are included.

EHS Alliance, its staff, and agents will maintain the confidentiality of all information relating to your organization and will not disclose such information to any third party, except as required by law or relevant accreditation bodies. EHS Alliance staff, agents, and accreditation bodies have signed individual confidentiality agreements and will only access confidential information on a 'need-to-know' basis.

A handwritten signature in blue ink, appearing to read 'H. Day', is positioned above the title 'Signature'.

Signature

LEAD AUDITOR

Concept & Context

In India, the concept of environmental auditing was first introduced under the Environment Protection Act, 1986, by the Ministry of Environment and Forests on March 13, 1992. This act mandates that anyone owning an industry or performing operations must obtain legal consent and submit an environmental report or statement.

The National Assessment and Accreditation Council (NAAC), New Delhi, has made it mandatory for all Higher Educational Institutions to submit an annual Green, Environment, and Energy Audit Report starting from the academic year 2019–20. This requirement forms part of the institutions' Corporate Social Responsibility to contribute to a sustainable environment.

In line with NAAC's guidelines, the University management decided to conduct an external environmental assessment by a qualified professional auditor.

The term "Environmental Audit" can vary in meaning; it may include assessments, surveys, and reviews related to environmental matters. Some organizations consider it to encompass health, safety, and environmental issues. While there is no universal definition, many leading organizations follow the basic philosophy outlined 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 management and equipment are performing, with the intention of safeguarding the environment and natural resources in its operations/projects.”

This audit focuses on legal compliance with environmental regulations and the implementation of rules set by the Ministry of Environment, Forests and Climate Change (MoEFCC) or state pollution control boards. The audit's concepts, structure, objectives, methodology, tools of analysis, and goals are discussed in detail below.

Introduction

Nature is a precious gift essential for all life forms. Disturbances caused by urbanization and industrialization are increasing environmental problems, leading to rising temperatures and significant pressure on our planet. It is crucial to plan resource consumption sustainably to conserve natural resources for future generations.

Sustainable development is gaining global recognition as a means to save the earth. Judicious use of resources can preserve our planet's precious resources. Measuring environmental components is an effective step in conserving and protecting natural resources.

Environmental auditing began in the early 1970s, driven by civil lawsuits for non-compliance with environmental regulations. It involves on-site visits, sample collection, analyses, and reporting results to competent authorities.

Industries and the corporate world are increasingly adopting auditing to save natural resources. Academic institutions can also play a role in resource preservation and conservation within their premises.

This "Environmental Audit" report aims to encourage everyone to consider resource preservation, understand its importance, adopt measures to minimize resource use, and set an example for others by following eco-friendly practices. Effective environmental auditing can help minimize environmental risks at a low cost.

Overview Of 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:

The university operates 60 buses across NCR and neighboring 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 accommodate 450 users at a time. It offers modern facilities and resources, including CD-ROMs, online databases, 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 endeavours.
- To develop Centers of Excellence to achieve cutting-edge technology in all fields.

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

Faculty of Mass Communication & Media Technology	Faculty of Indian Medical System
Faculty of Hotel & Tourism Management	Faculty of Naturopathy and Yogic Sciences
Faculty of Fashion & Design	Faculty of Allied Health Sciences
Faculty of Commerce & Management	Faculty of Behavioural Sciences
Faculty of Engineering & Technology	Faculty of Dental Sciences
Faculty of Agricultural Sciences	Faculty of Nursing
Faculty of Education	Faculty of Medicine & Health Sciences
Faculty of Law	Faculty of Physiotherapy
Faculty of Science	Faculty of Pharmacy



Geo Coordinates from Google map: 28.4823843,76.8985063

Audit Participants

On behalf of University

Name	Designation
Prof. S.P. Aggarwal	Pro Vice-Chancellor (Admin)
Dr. Joginder Yadav	Registrar
Prof. Nishith Kumar Mishra	Director IQAC
Dr. Archana Chaudhary,	Associate Professor, FOSC
Mr. Gaurav Chaudhary,	Admin. Officer
Dr. Mohit Sharma,	Hospital Quality Assurance Cell (HQAC)
Dr. Bhoopesh Kumar Sharma	Associate Professor, FOSC
Ms. Rachna	Assistant Professor, FON
Mr. Mohit Deswal	Assistant Professor, FAHS
Mr. Sarvjit Singh Jaswal	GM Administration
Mr. Umesh Kothari	Administrator
Mr. Anurag Khajuria	Registrar Office
Dr. Shikha Sharma	Assistant Professor, FDSC
Mr. Sripal Singh	Member, Environment Committee
Mr. Vijay Ghai	Assistant Manager Admin

On behalf of EHS Alliance Services

Name	Position	Qualifications
Dr. Uday Pratap	Co-Auditor	Ph.D., EMS: Lead Auditor ISO14001:2015, QCI-WASH
Mr. Puneet Kaushik	Co-Auditor	M.Sc. M. Tech (Environment Science & Engineering), Energy Auditor, Post Diploma in Industrial Safety Management
Mr. Arun Prabath	Co-Auditor	Environment Expert

Executive Summary

The environmental audit provides a snapshot of the campus's performance in adhering to environmental laws and regulations. Although valuable as a benchmark, the audit can quickly become outdated without ongoing monitoring mechanisms. Our goal is to promote a Green Campus that fosters sustainable values among students, ensuring they carry these principles into their future endeavors. This approach aims to integrate sustainability and environmental practices across institutions and organizations nationwide.

A Green Campus blends environmentally friendly practices with education to foster sustainability. It offers institutions the opportunity to redefine their environmental culture and develop innovative solutions to meet the environmental, social, and economic needs of humanity.

This is the sixth environmental audit for the University, focusing on its contributions to environmental protection and awareness at both local and global levels. The audit criteria include environmental awareness, waste minimization and management, biodiversity conservation, water and energy conservation, and compliance with environmental legislation. A questionnaire was used during the audit, and this report presents observations and recommendations for enhancing environmental consciousness.

Waste Management

Types of Waste on the University Campus

Effective waste management begins with understanding the types of waste produced. The following are common waste types generated on the institutional campus:

1. **Food Waste:** The campus generates food waste, with the average mess and canteen producing approximately 40 kg of food waste daily. Food waste often results from over-purchasing and excess food on trays. Immediate attention is needed to minimize food waste.
2. **Recyclable Materials:** The campus produces significant quantities of recyclable materials such as paper, cardboard, plastic, glass, and cans. Despite the digital age, many still use paper for notes, and recyclable containers are common for snacks and shipments. These recyclables are sold or auctioned to scrap vendors periodically.

3. **Student Clothes and Housewares:** Many students dispose of clothes and dorm furnishings at the end of the year rather than donating or recycling them. The University's environmental committee has organized donation drives, collecting over 10 cartons of clothes for those in need.
4. **E-Waste:** Electronic waste from outdated computers, printers, phones, and other devices is a major component of campus waste. The University partners with authorized external agencies for proper e-waste disposal.
5. **Chemical Waste:** Laboratories and cleaning services generate chemical waste, including hazardous substances that require specific disposal processes according to state regulations.
6. **Maintenance Waste:** The maintenance department deals with spent paints, solvents, adhesives, lubricants, and light bulbs. Many of these materials are difficult to recycle and may require special handling.
7. **Biological Waste:** Waste from laboratories and medical centers, including tissue samples and contaminated materials, must be handled and disposed of according to BMW Rules, 2016.
8. **Furniture:** Old or outdated furniture from classrooms, cafeterias, and labs is sold to junk dealers annually.
9. **Books/Magazines/Newspapers:** Obsolete textbooks and reading materials contribute to solid waste. The University either donates these items to junior students or auctions them to resellers.
10. **Construction and Demolition (C&D) Waste:** Building expansions and renovations generate C&D waste, which should be used for backfilling or disposed of at authorized sites by CPCB/SPCB.
11. **Solid Waste:** Solid waste is managed by providing it to the Municipal Corporation of Gurugram.
12. **Horticulture Waste:** The campus's extensive greenery results in significant horticultural waste, which is managed through an in-house composting system.

Environment Audit Analysis

1.1 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.

The architectural design of our building allows for ample natural light and good ventilation, promoting energy efficiency. The University utilizes both electricity and LPG cylinders, and has implemented several measures to reduce energy consumption:

Electricity Savings:

- Use of LED and CFL lights for illumination.
- Installation of a 910 KW solar power plant on campus.
- Solar-powered street lights.
- Solar water heaters in kitchens and hostels.
- Use of pressure cookers in cooking to save energy.
- Notices with messages like “Switch off lights” near switchboards.
- Automatic on-off sensor-based solar lights.
- Minimize the use of air conditioners in summers and room heaters in winters.
- Encouragement to switch off laptops and computers when not in use.

Renewable Energy:

- A 910 KW solar panel system is operational.
- Solar heaters installed for hostels and the mess.

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

Energy Conservation Practices:

- Replacement of all conventional bulbs and tube lights with 20W LED lights.
- Notices to switch off lights and fans when not in use.
- Organizing various energy conservation awareness programs for students and staff.
- Ensuring computers and ACs are set to power-saving mode.
- Procurement of energy-saving equipment.
- Encouragement to switch off bulbs/LEDs in well-lighted rooms during sunny afternoons.

How many CFL/LED bulbs have your institute installed?

SGT University has replaced all conventional bulbs and tube lights with 20W LED Lights.

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

Yes

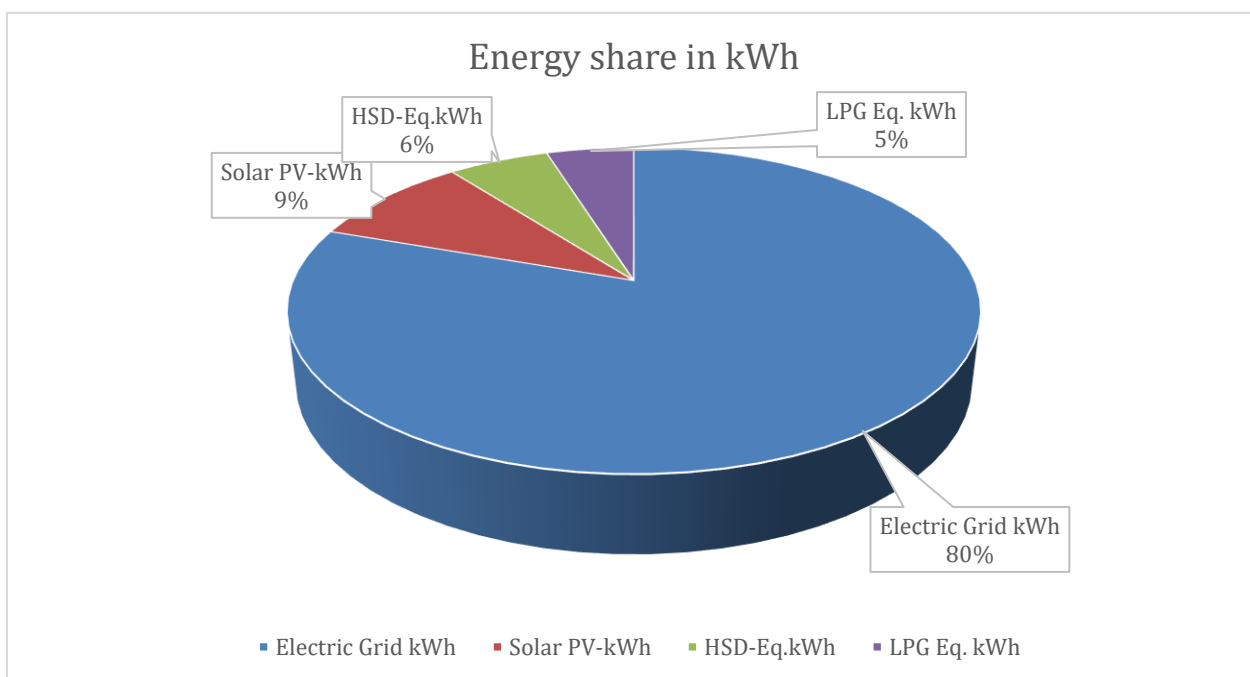
Are your computers and other equipment put in power-saving mode?

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. 6 hours

Energy Share	kWh	Percentage
Electric Grid kWh	7659990.00	80.35%
Solar PV-kWh	874409.00	9.17%
HSD-Eq.kWh	535352.44	5.62%
LPG Eq. kWh	464009.46	4.87%
Total -kWh	9533760.90	100%



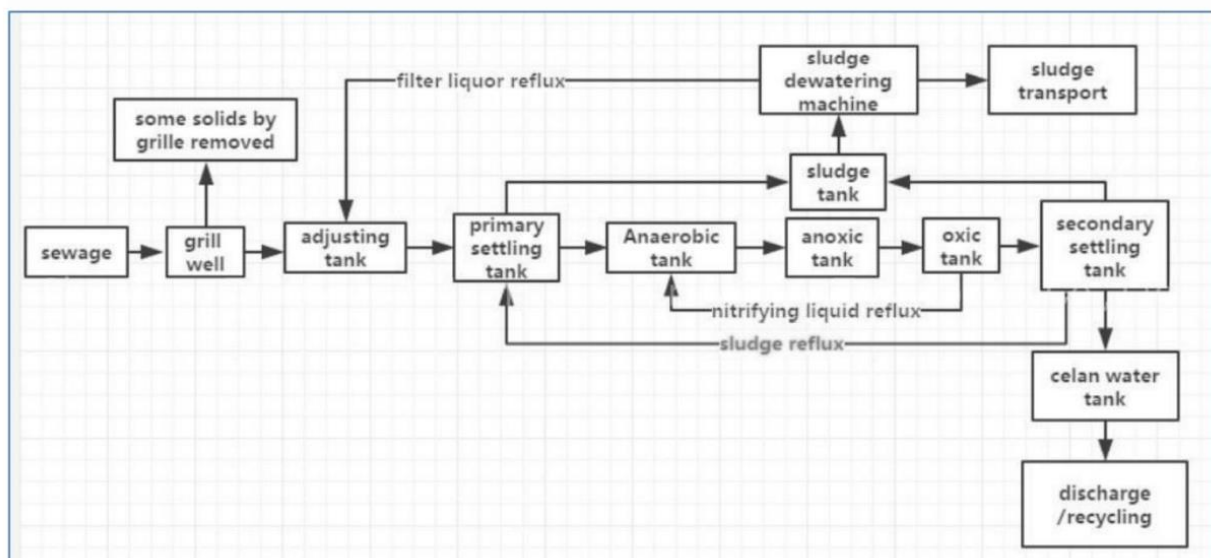
1.2 Water & Waste Water Management

List uses of water in your institute	<p>Basic use of water in campus:</p> <p>Drinking – 317.83 KL/month Gardening – 251.95 Kl/month* Kitchen and Toilets – 1152.04 KL/month Hostel – 4320.00 KL/Month Others – 381.49 KL/month Total = 6423.30 KL/Month</p> <p>* SGT University uses fresh water apart from 4787 KL treated water</p>
How does your institute store water? Are there any water saving techniques followed in your institute?	<p>SGT University relies on tanker for water supply as a primary source and 3 bore wells as a secondary source. 4 Overhead Water Tanks and 03 Underground Water tanks installed for storage of water.</p> <p>SGT University ensures regular maintenance of water tanks and checking of water quality standards on the campus. The water tanks and water coolers are checked every 3 months, and RO systems are regularly changed.</p> <p>Saving Techniques</p> <ul style="list-style-type: none"> • Avoid overflow of water-controlled valves are provided in water supply system. • Close supervision for water supply system. • Push taps are installed • Water Conservation awareness for new students • Sprinklers usage for gardening and grass cover
Locate the point of entry of water and point of exit of waste water in your institute.	<p>Entry – SGT University uses tankers for water and have bore wells as a secondary source</p> <p>Exit – From Canteen, Toilets, bathrooms and Hostels through covered drainage which is connected to sewage treatment plant.</p>
Write down ways that could reduce the amount of water used in your institute	<p>Basic ways:</p> <ul style="list-style-type: none"> • 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.

	<ul style="list-style-type: none"> University has implemented several unique and unconventional approaches to sustainability that have yielded positive results. One example is implementing a campus-wide water conservation program with RO-reject water recycling and drought-resistant landscaping. Habitat restoration projects like the biodiversity trail are undertaken to preserve and enhance local biodiversity, creating green spaces that support native wildlife. The RO waste water is used in the toilets. The University has initiated growing plants native to the semi-arid regions, requiring less water to survive.
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 recycling System?	<p>Yes university has STP and ETP for waste water treatment.</p> <ul style="list-style-type: none"> University has 2 STP of capacity 275 KLD 2 ETP units of capacity of 40 KLD and 10 KLD respectively

Zero Liquid Discharge (ZLD) and Rainwater Harvesting

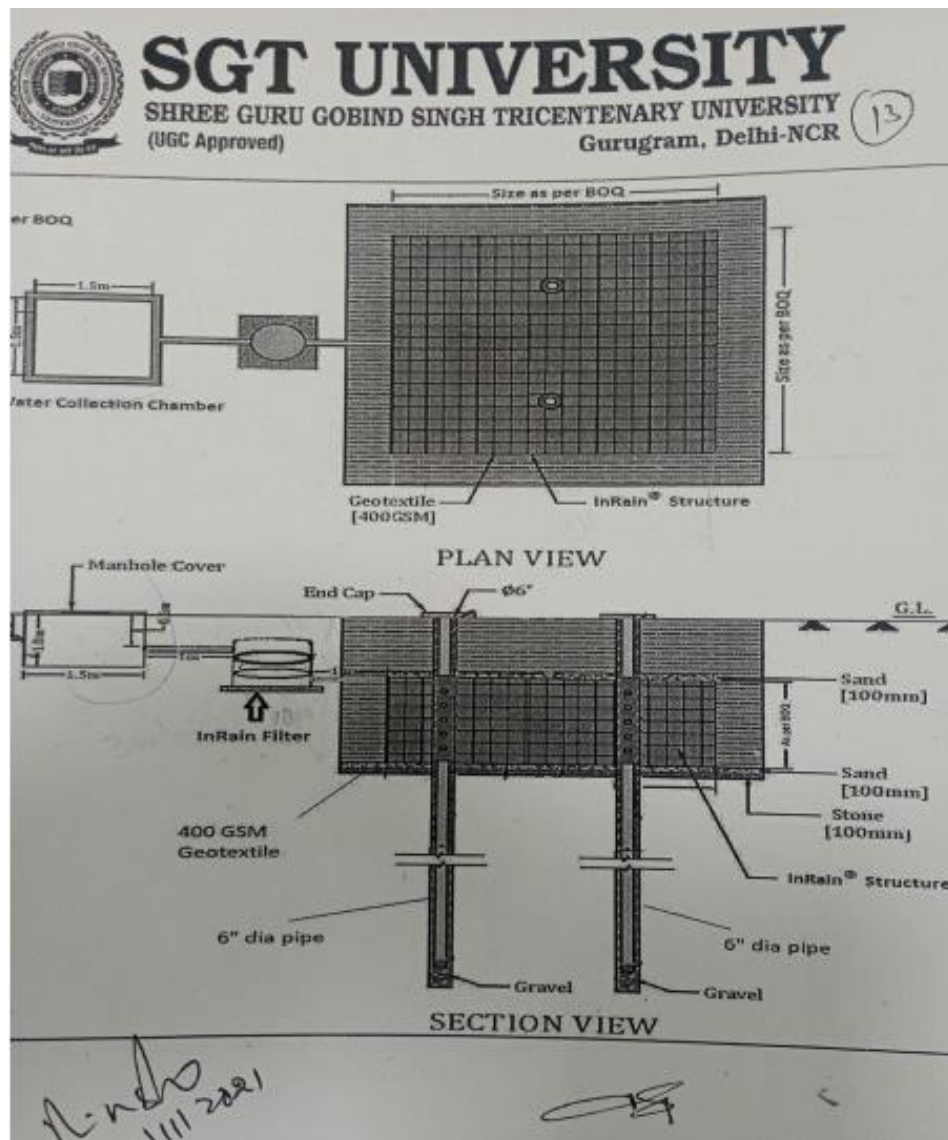
Zero Liquid Discharge (ZLD) is a strategic wastewater management system designed to ensure that no industrial wastewater is released into the environment. This is accomplished by treating wastewater, recycling it, and recovering and reusing it for various purposes such as flushing, gardening, DG cooling,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



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 25 RWH units on the campus to support this initiative.

The flow diagram of the STP is provided below.



1.3 Bio Diversity

Does Institute promote biodiversity?

Promoting biodiversity at SGT University campus offers students valuable, hands-on educational opportunities to make positive environmental impacts. The following initiatives are undertaken to support biodiversity:

Hanging Birdhouses and Planting Wildflower Gardens: SGT management and students actively hang birdhouses and plant wildflower gardens both on campus and in adopted local villages. These activities help attract and support local wildlife.

Recycling Programs: Expanded recycling programs are run by the university's management and students to promote sustainable practices within the campus and surrounding communities.

Wildlife Presence: The campus is home to various bird species and squirrels. These animals, along with other flora and fauna found on campus, are not harmful to humans. The university makes dedicated efforts towards their conservation.

Pet Policy and Stray Animals: Only pets are allowed on the campus. Stray animals are not found inside the campus due to the secure fencing of the premises.

Environmental Awareness Campaigns: The Environment Committee organizes various awareness activities. These include street plays (nukkad natak) and poster competitions in the locality of Sultanpur National Park, Gurugram. Faculty members also contribute by writing articles on Basai Wetland's biodiversity conservation to raise awareness among the local community.

1.4 Air Quality Management

Are the Rooms in Campus Well Ventilated?

Yes, rooms are designed with good ventilation in mind. The doors and windows, in most of the rooms, are positioned opposite each other to promote cross-ventilation.

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?

SGT University has 66 buses and 13 cars, 8 vans, and 5 other vehicles

Provide details of Institute-owned vehicles?	Details of University owned vehicles	Buses	Cars	Vans	Other	Total
	CNG	60	4	0	0	64
	Petrol	0	0	5	3	8
	Diesel	6	9	3	2	20
	Total	66	13	8	5	92
*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						
Is the PUC of the campus vehicles done?	Yes					
Specify the type of fuel used by your campus's vehicles	Diesel – 19 Petrol/CNG – 69 Electric – 4					
Air Quality Monitoring Program (If, Any)	Yes, half-yearly monitoring is done by the NABL-approved Laboratory					
Tell Air pollution mitigation initiatives, if any?	<p>SGT University implements several measures to mitigate air pollution on campus:</p> <p>Promotion of Public Transport: Students are encouraged to use public transportation, reducing the number of private vehicles on campus.</p> <p>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.</p> <p>Designated Parking: Staff vehicles are parked in a designated space within the campus, further limiting vehicular movement and associated pollution.</p> <p>Dust Pollution Control: Paved roads and extensive vegetation on campus significantly reduce dust pollution.</p> <p>Waste Management: Burning of waste within the campus is strictly banned, preventing the release of harmful pollutants into the air.</p>					

1.5 Environment Legislative Compliance

Are you aware of any environmental Laws About different aspects of environmental management?	<p>Yes, To promote environment management on the campus, SGT University follows these:</p> <ul style="list-style-type: none"> • Protection of trees on campus (National Green Tribunal Act, 2010) • De-concretization of trees (National Green Tribunal Act, 2010) • Segregation and recycling of Waste (Solid Waste Management Rules 2016) • 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)
Does your institute have any rules to protect the environment? List possible Rules you could include.	Yes, the environment committee is conscious of environment protection and takes proper measures in terms of awareness campaigns, activities, webinars, seminars, etc.
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, letter issued by state government bodies?	No
Does any Hazardous waste generated by the Institute?	Yes, it is being disposed through the authorized external agency. (Biotic Waste limited)

1.6 General Information

Does your institute have any rules to protect the environment? List possible rules you could include.	<p>The institution is a Swachhta action plan institute. It follows the 5 parameters of Swachhta</p> <ul style="list-style-type: none"> (i) Energy Management (ii) Water management (iii) Sanitation and Cleanliness (iv) Greenery Management (v) Waste management. <p>The University received certificate due to the efforts made by the students, faculty members, and staff to promote and implement Swachhta on the campus.</p>
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?	Yes, World Environment Day, Ozone Day, Earth Day, Earth Hour and more are celebrated on campus. Furthermore, SGT University organizes different activities such as a workshop on –Renewable Energy, a webinar on Geo-informatics for Environmental Conservation and Management and ‘Water Conservation and Environmental Sustainability, activity on - The Best out of Waste, Various plantation drives of native plants, etc.
Does Institute participate in the National and Local Environmental Protection Movement?	Yes, SGT University is actively participating in environment protection movements like Swatch Bharat Abhiyan by students at the campus
Does Institute have any Recognition or certification for environment friendliness?	Yes. SGT University has received recognitions and certifications like a Certificate of I Guage, ISO 14001:2015, and letters from the village sarpanch for their awareness initiatives, cleanliness and plantation drives.
Does Institution conduct a green or environmental audit of its campus?	This is the sixth time; university has carried out external audit.
Has the institution been audited /accredited by any other agency such as NABL, NABET, TQPM, NAAC etc.?	Yes, University is accredited NAAC A+, NABH, NABL, IGBC

Green Initiatives By campus

- **Solid Waste Management**
 - University does composting for horticulture waste
 - 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 University 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.
 - Systematically engage with the 3Rs of environment friendliness (Reduce, Reuse and Recycle).
- **Liquid Waste Management**
 - Maintain leakproof 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 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 University has a separate storeroom for the safe storage of electronic waste. Periodically, the University disposes of e-waste through an auction process to concerned agencies.
- **Waste Water Management**
 - The University has two Sewage Treatment Plants (STP) with a capacity of 275 KLD.
 - There are two Effluent Treatment Plant (ETP) units with capacities of 40 KLD and 10 KLD respectively.
- **Renewable Energy**
 - A solar power plant with a capacity of 910 KW is installed on the building roof, supplying approximately 20% of the campus's total power.
 - Solar water heaters are installed on campus.
 - The University is using solar lights for street lights
- **Tree Plantation Drives**

- Five plantation drives were conducted, with a total of 113,182 trees, ornamental plants, and hedge plants planted this financial year, achieving a survival rate of more than 80%.
- **Air Pollution Reduction**
 - Personal vehicles belonging to students are not allowed on campus to reduce air pollution.
- **Rainwater Harvesting**
 - SGT University has 12 traditional rainwater harvesting units and an additional 12 units with modular filters.

Recommendations

- **Adopt Green Building Guidelines:** Future expansion projects of the University should comply with the Energy Conservation Building Code (ECBC).
- **Promote Recycling Education:** Conduct webinars and campaigns to increase recycling awareness and practices on campus.
- **Collaborate with Community and NGOs:** Work with community groups and non-governmental organizations to develop solutions to environmental issues.
- **Maintain AC and DG Units:** Implement a periodic maintenance schedule for air conditioning (AC) and diesel generator (DG) units to achieve optimized efficiency.
- **Sanitary Waste Disposal:** Provide facilities for sanitary waste disposal in accordance with the Central Pollution Control Board (CPCB) guidelines and Solid Waste Management Rules, 2016.
- **Water Metering:** Implement water metering records to facilitate water auditing and balancing.
- **Reduce Carbon Emissions:** Implement strategies to reduce power consumption, thereby decreasing carbon emissions.

Conclusion

This audit involved extensive consultations with all campus teams and interactions with key personnel on a wide range of environmental issues. The University is devoted to promoting environmental management and conservation both on campus and within the community. The audit has identified several suggestions for making the campus premises more environmentally friendly. These recommendations are provided for the university campus team to initiate actions.

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

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

Registration Certificate
Government of Haryana
Department Of Food and Drug Administration
Food Safety and Standards Authority of India
Registration Certificate under FSS Act, 2006

पंजीकरण संख्या / Registration Number: 20822005003280

1. Name and permanent address of Food Business Operator (FBO) / खाद्य व्यापार ऑपरेटर का नाम और स्थायी पता: The Frame Cafe (A unit of New Age Hotels & Resorts Limited)
A-4, Khasra No. 340-342, Block-A, MAHIPAL PUR, VASANT VIHAR, New Delhi, Delhi-110037

Address of location where food business is to be conducted / premises / स्थान का पता जहाँ खाद्य व्यापार / परिसर है: The Frame Cafe, SGT University, Gurgaon-Badli Road, Budhera, Budhera(43), Gurgaon, Gurugram, Haryana - 122505

Kind of Business / कारोबार का प्रकार: Restaurants

Photo Identity Card / फोटो पहचान पत्र (विवरण): N/A

Place / स्थान: Gurugram

Issued On / दिनांक: 09-11-2022 (New Registration)

Valid Upto / वैधता: 08-11-2027 (For details, refer Annexure)

Registering Authority

Annexures:
1. Product Annexure
2. Validity Annexure
3. Registration Id Card

Note:
1. Application for renewal of Registration Certificate can be filed as early as 180 days prior to expiry date of Registration Certificate. You can file application for renewal or modification of Registration Certificate 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.
2. This Registration Certificate is only to commence or carry on food businesses and not for any other purpose.
3. This is computer generated Registration Certificate and doesn't require any signature or stamp by authority.
4. This Registration Certificate is allowed to conduct food businesses activities having annual turnover upto Rs. 12 Lacs only.

Page 1 of 4

FSSAI Certificate

Indian-Non Judicial Stamp
Haryana Government

Date: 02/08/2023

Certificate No. G0B2023H1779

Stamp Duty Paid: ₹ 101

GRN No. 105636600

Penalty: ₹ 0

Deponent

Name: Sgt University
H.No/Floor: Na
City/Village: Gurugram
Sector/Ward: Na
District: Gurugram
Landmark: Na
State: Haryana
Phone: 70*****76

Purpose: AGREEMENT to be submitted at Concerned office

The authenticity of this document can be verified by scanning this QR Code Through smart phone or on the website <https://eagrashry.nic.in>

AGREEMENT FOR COLLECTION OF DRY AND WET GARBAGE FROM SGT UNIVERSITY, VILLAGE CHANDU, BUDHERA, GURUGRAM (HARYANA)-122505

This Agreement is made and executed at Gurgaon on this 1st AUGUST 2023.

By and Between:

SGT UNIVERSITY VILLAGE CHANDU, BUDHERA, GURUGRAM, HARYANA-122505, having its registered office at VILLAGE CHANDU, GURUGRAM (H.R.) - 122505 (Hereinafter referred to as SGT UNIVERSITY which expression shall unless it be repugnant to the subject or context hereof would mean and include its successors in interest, executors, administrators, liquidators and assigns) of the First Part, through its duly authorized signatory **Dr. Joginder Yadav, Registrar**.


And

M/s GURGAON WASTE MANAGEMENT SYSTEM (P) LTD. Having its office at U-15/6 DLF City Phase-3, Near R.B.S. Building Cyber City, Gurgaon-122001, Haryana (hereinafter referred to as 'SECOND PART' which expression shall, unless repugnant to the context of meaning here of mean and include its representatives, successors in interest, executors, administrators, liquidators and permitted assigns), through its duly Authorized Signatory **Mr. Ram Narayan Roy** of the other part.


Registrar
SGT University
Budhera, Gurugram

Gurgaon Waste Management System Pvt. Ltd.
Authorised Signatory

MOU with Gurgaon Waste Management System Ltd



HARYANA STATE POLLUTION CONTROL BOARD
 Gurgaon North Vikas Sadan, 1st Floor, Near DC Court, Gurgaon Ph.0124-2332775 Email:- hspcbrogrn@gmail.com
 E-mail: hspcb@hry.nic.in



No. HSPCB/Consent/ : 313099723GUNOCTO37057398 Dated:03/07/2023

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

Subject: Grant of consent to operate to M/s SGT University (A unit of Dashmesh Educational Charitable Trust).

Please refer to your application no. 37057398 received on dated 2023-06-14 in regional office Gurgaon North. With reference to your above application for consent to operate, M/s SGT University (A unit of Dashmesh Educational Charitable Trust) is hereby granted consent as per following specification/Terms and conditions.

Consent Under	BOTH
Period of consent	03/07/2023 - 30/09/2025
Industry Type	Health -care Establishment / Projects having discharge of 100 KLD or More with or Without Incinerator
Category	RED
Investment(In Lakh)	51879.0
Total Land Area(Sq. meter)	212992.4
Total Builtup Area(Sq. meter)	121704.0
Quantity of effluent	
1. Trade	0.0 KL/Day
2. Domestic	227.0 KL/Day
Number of outlets	1.0
Mode of discharge	
1. Domestic	Recycling/ reuse
2. Trade	
Domestic Effluent Parameters	
1. BOD	10 mg/l
2. COD	50 mg/l
3. TSS	20 mg/l
4. O&G	10 mg/l
5. pH	5.5-9.0
Trade Effluent Parameters	
1. NA	
Number of stacks	2

Consent Grant from HSPBC

Forests & Wildlife Department, Govt. of Haryana
O/o PCCF & Chief Wildlife Warden, Haryana, Panchkula
Plot No. C-18, Van Bhawan, Sector-6, Panchkula, Phone No. 0172-2561224, 2561362 E-mail: pccf@com-wildlife.gov.in

No. 1028

Dated: 15.09.2023

To
Registrar,
SGT University, Medical College cum
Hospital and Research Institute,
Village- Budhera- Distt. Gurugram,
Haryana.

Sub: **Proposal for use of 21.29924 ha from Sultanpur Wildlife Sanctuary for SGT University, Medical College cum Hospital and Research Institute) at Village- Budhera, District- Gurugram, Haryana- FP/HR/Others/5100/2020.**

Ref.: Your Proposal No. FP/HR/others/5100/2020.

A proposal seeking Wildlife Clearance for project titled "Proposal for use of 21.29924 ha from Sultanpur Wildlife Sanctuary for SGT University, Medical College cum Hospital and Research Institute at Village- Budhera, District- Gurugram, Haryana, FP/HR/ Others/5100/2020" was considered and recommended by the Standing Committee of the National Board for Wildlife in its 73rd meeting held on 17 July, 2023 under the Chairpersonship of Hon'ble Minister of Environment, Forest and Climate Change, Government of India. The recommendation of the Standing Committee for Wildlife Clearance for the above titled project is subject to the following conditions:-

- The requested permissible height restriction of (up to) 21 meter is permitted for the cause of integrity of planned structure keeping in view the fact that the permissible height restriction imposed prior to 18.06.2021.
- Additional permissible ground coverage of 28,606 sq. meter is allowed for this ongoing facility for health institution, which is in midway of being fully established.
- Permissible built up area within the restriction of raising the height of buildings up to a maximum of 21 meter, may be allowed.
- The User Agency shall comply with the Ministry's notification S.O. 19 I (E) dated 27.01.2010 regarding declaration of Eco-sensitive Zone of Sultanpur National Park
- The proposed Conservation Plan with a cost of 2.80 crore will be implemented. Project Authority will deposit the amount in the O/o Divisional Wildlife Office, Gurugram as per Conservation Plan.

Clearance letter From Forests & Wildlife Dept.

Annexure II - Photographs of Environment Consciousness



Well maintained
campus



Well ventilated building



Lush green campus



Paved Pathways



Color coded dustbins



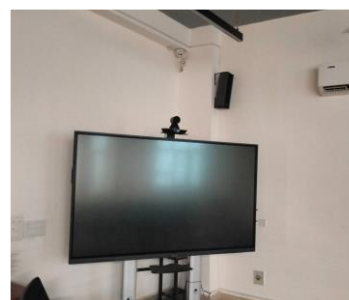
Sprinklers for gardening



Ornamental plants in
campus



Indoor plants in campus



Smart Classrooms



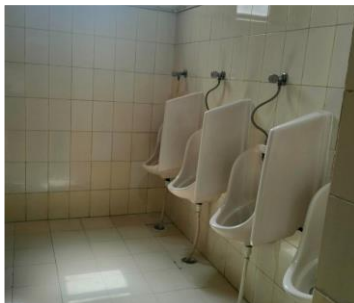
Plastic reused as
Dustbins



Push Taps to save water



Airpurifying indoor
plants



Urinals to save water



Awareness message
display



Rainwater harvesting pit



Washing machines in
hostel for water
conservation



Solar Lights installed



Solar PV installed on
building roof



Waste segregation for disposal



Sensor based LED light to save electricity



Bird-Nest for bio-diversity promotion



Pledge for environment



Awareness posters



Central Laundry at the campus



STP plant to treat wastewater



Desert cooler for small area



Third party agreement for waste disposal

■ ■ ■ **END OF REPORT**