



**VIVEKANANDA COLLEGE**  
UNIVERSITY OF DELHI

# ENVIRONMENT AUDIT REPORT

2021-2022

PREPARED BY  
EHS ALLIANCE SERVICES



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# CERTIFICATE



## CERTIFICATE

PRESENTED TO

### VIVEKANANDA COLLEGE

University of Delhi, Vivek Vihar, Delhi 110095

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

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

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

SIGNATURE



07.03.2023

DATE OF AUDIT

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



# ACKNOWLEDGEMENT

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

We would also like to thank **Dr. Subhash Chandra (EVS Department)**, for his Continuous Support and guidance, without which the completion of the project would not have been possible. We are also thankful to other staff members who were actively involved while collecting the data and conducting field measurements.

We are also thankful to

**Dr. Vanita Sondhi - Convener, IQAC – Applied Psychology Department**

**Dr. Salma Seth - Co-convener, IQAC – Applied Psychology Department**

**Mr. Amit Kumar – Assistant Professor, Economics Department**

**Mr. Jaspertap Singh – Assistant Professor, Political Science Department**

**Dr. Shubhashri Bose - Convener Garden Committee, NSS**

**Dr. Rajni Jindal – Librarian**

**Mr. Sharvan Kumar - Daftri & Offg. JACT**

**Mr. Naresh Kumar - Daftri & Offg. JACT**

Last but not the least, we would like to thank **Dr. Hina Nandrajog – (Officiating Principal), Vivekananda College** for giving us an opportunity to evaluate the environmental performance of the campus.



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## **DISCLAIMER**

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

While all sensible care has been taken in its preparation, details contained in this report have been compiled in good faith based on information gathered.

It is further informed that the conclusions are arrived following best estimates and no representation, warranty or undertaking, express or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report.

If you wish to distribute copies of this report external to your organisation, then all pages must be included.

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

**Signature**

**LEAD AUDITOR**



## CONCEPT AND CONTEXT

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

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

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

The term ‘Environmental audit’ means differently to different people. Terms like ‘assessment’, ‘survey’ and ‘review’ are also used to describe similar activities. Furthermore, some organizations believe that an ‘environmental audit’ addresses only environmental matters, whereas others use the term to mean an audit of health, safety and environment-related matters. Although there is no universal definition of Environment Audit, many leading companies/institutions follow the basic philosophy and approach summarized by the broad definition adopted by the International Chambers of Commerce (ICC) in its publication of Environmental Auditing (1989).

The ICC defines Environmental Auditing as:

“A management tool comprising a systematic, documented, periodic and objective evaluation of how well environmental organization, management and equipment are performing with the aim of safeguarding the environment and natural resources in its operations/projects.”

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





# INTRODUCTION

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Nature is very precious gift for all life forms. Disturbance in the nature causes environmental Problems. These are increasing day by day as a result of development of urbanization and industrialization on earth. Because of unplanned utilization of resources, our planet is facing tremendous pressure results a sharp rise in temperature. Therefore, there is an urgent need to plan the consumption of the resources in sustainable manner in order to conserve natural resources for future generation.

Sustainable development is becoming popular in the world for saving the earth. Utilizing resources judiciously can save the earth's precious resources. Measurement of environmental components is the most effective step to conserve and protect natural resources.

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

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

In this, "Environment Audit" report would help everyone to think about preserving resources, show willingness to learn their importance, adopt steps to minimize resource use and set an example for others to follow the path of eco-friendly practices to achieve the goal of sustainable development. Effective implementation of environmental auditing helps in minimization of environmental risks at low cost.



## OVERVIEW OF THE COLLEGE

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The college was setup in 1970 in Gandhi Nagar by the Delhi Administration (now the govt. of NCT of Delhi) out of grants from UGC and Delhi Administration with a specific objective of providing opportunities for higher education to women in the Trans-Yamuna area.



The foundation stone of the College building was laid on 26th Oct. 1976 by Prof. S. Nurul Hassan and the building was dedicated by Swami Ranganathananda of the Ramakrishna Mission in 1979. The college started in a school building with approximately 300 students admitted to B.A. (Pass). Since then the college has witnessed a meteoric rise in the number of students seeking admission in the different courses offered by it. It is one of the most sought after college in the Trans-Yamuna area for women education.

It has grown to its present stature under the able guidance of the founder principal, Dr. Raj Wadhwa and the first chairperson of the Governing Body, Dr. R.N. Kataria. Subsequent





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chairpersons and members of the Governing Body and Principals added their valuable contributions to the growth and development of the college over the years.

The college has developed beautiful gardens and ornamental lawns which contribute to the overall aesthetics of the college and enhance the learning experience.

The dedication, commitment and loyalty of the teaching and non-teaching staff, along with the enthusiasm and achievements of the students over the years, have contributed largely to bring the college to its present position.

Today, the college offers many discipline and honours courses at the undergraduate level, two post graduate courses – Hindi and Sanskrit, several add-on courses (e.g. Hindi Patrakarita, Translation & English Proficiency) and one self-financing course (German Language).





## VISION & MISSION

Vivekananda College is one of the largest colleges of East Delhi that provides opportunities for higher education to women in the trans-Yamuna area. A multi – facility premier institution with qualified academicians imparting education in diverse fields, the college has a reputation for outstanding performance in academics. A constituent college of the University of Delhi, it attracts some of the most hard-working undergraduates every year, not simply because of its reputation in East Delhi, but more importantly because of its dedicated faculty. Many amongst its faculty are renowned authors and are read with considerable interest by scholars and researchers. Furthermore, concerted efforts are being made to improve upon its infrastructure and facilities. Over the years, both graduate and post graduate students from Vivekananda College have performed well in life. Quite a few students have been readily admitted in renowned universities and have good jobs.

Swami Vivekananda believed, 'Education is the manifestation of the perfection already in man.' The college has come to be known for its emphasis on ideals and values of Swami Vivekananda, which are inculcated in its pupils. A range of enriching culture and sports activities throughout the year add a dimension of team effort and collective enterprise in the allround development of personalities of students at Vivekananda. We at Vivekananda aim to impart education by which character is developed and the mind achieves a broader perspective to enable our students to look upto wider horizons and become honest and responsible citizens of the country.

***"We want that education by which character is formed, strength of mind increased, the intellect is expanded, and by which one can stand on one's own feet. With such an education, women will solve their own problems".***

**– Swami Vivekananda**





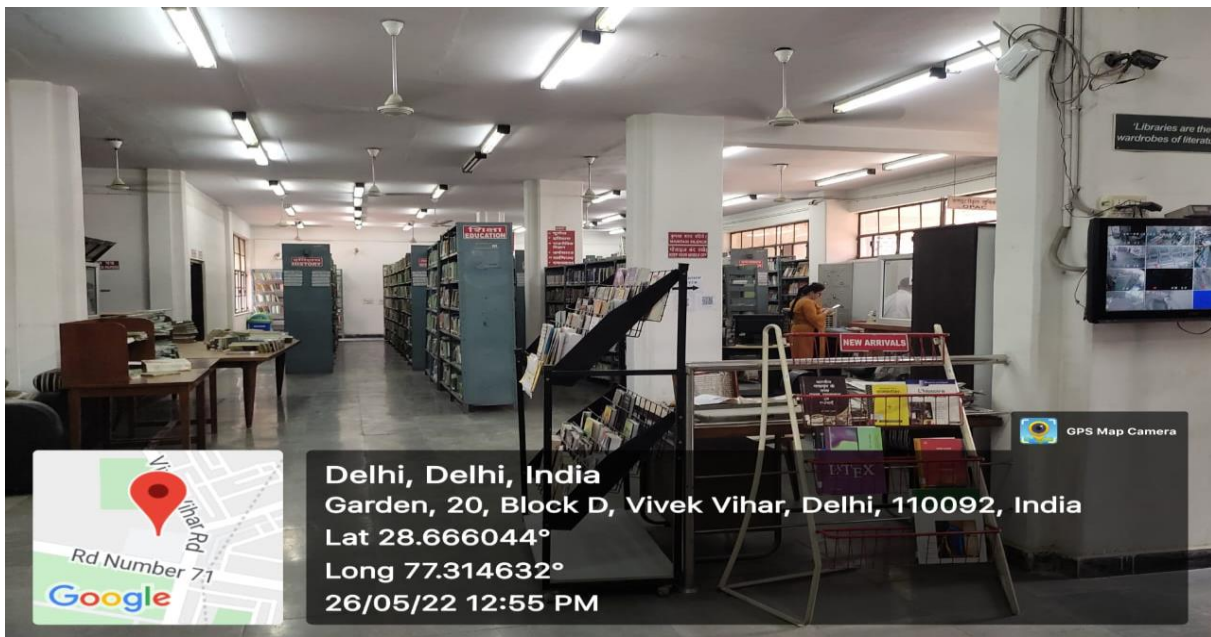
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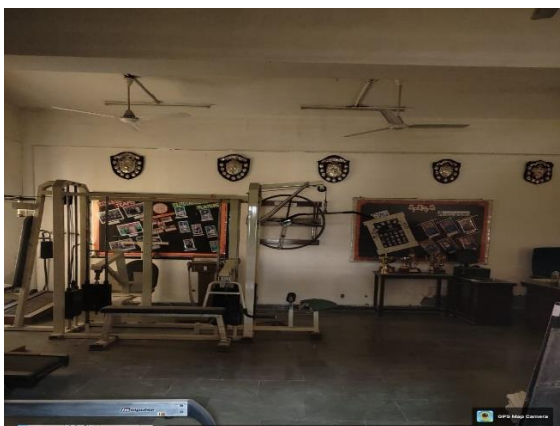
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## Facilities in the campus

1. **Library:** College Library is well-stocked and fully computerized using LSEase software. It has approximately 65000 Books covering almost all aspects of Arts, Commerce, Humanities, and Science and even for pleasure reading and motivation.



2. **Sports:** The college includes a large playground (Outdoor). The college has a 200 meters Synthetic Athletic Track in March, 2011. Now the college has the facility of hockey Turf mini Hockey ground. Intensive training is imparted under expert guidance.





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3. **Computer labs:** The College provides a well-equipped Computer and Statistics laboratory for students to carry out their innovative and scientific experiments. There are four labs within the college with 151 computers, and Internet facilities for the students and teachers.



4. **Medical room and Counselling room** - The College has a well-equipped medical room with 1 bed. First aid facilities, a wheel chair and a blood pressure machine are available in this medical room.

5. **Auditorium:** Vivekananda Auditorium has a seating capacity of 650. It is fully air-conditioned and its light and sound system are currently being revamped. The Auditorium hosts various academic and cultural events of the college and east Delhi community. It also encourages well-known cultural groups to hold their programmes for the benefit of the students and community.







for culture activities.

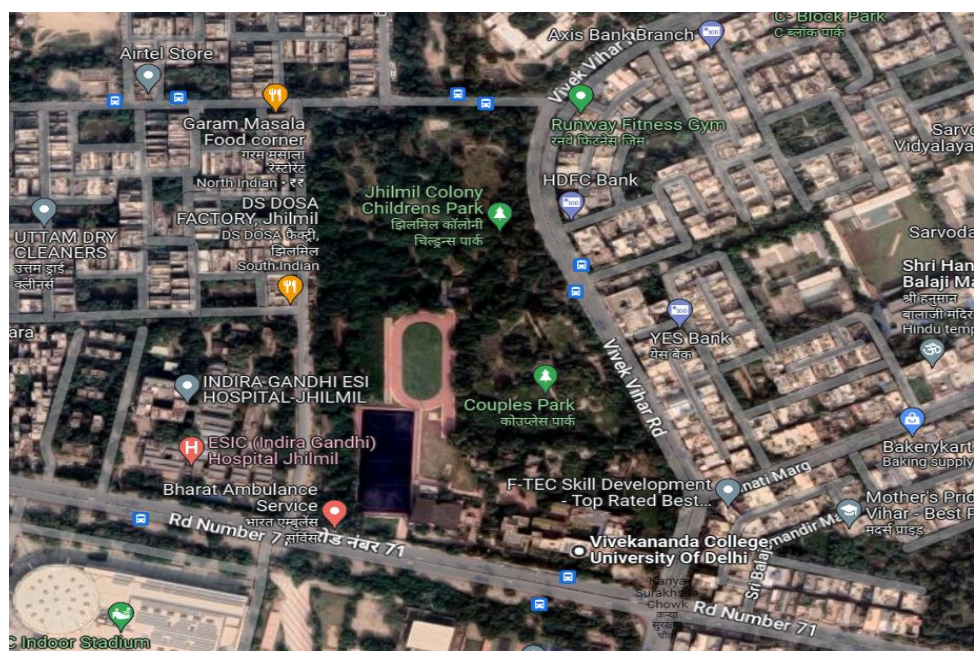
6. **Seminar Rooms:** college has 2 seminar rooms. This air-conditioned facility can accommodate up to 50-60 students and 150 students.

Both are frequently used for seminars, talks and lectures by external professionals. It has an LCD projector and is also used for screening film shows by the Film Society of the college and

7. **Smart Classes:** There are 25 classrooms that are ICT enabled with projectors for enabling the use of audio-visual mediums of teaching.



**Geo Location**  
Geo Coordinates from Google maps:  
28.6675057, 77.3117454







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# AUDIT PARTICIPANTS

On behalf of College

Name	Designation
<b>Dr. Hina Nandrajog</b>	Officiating Principal
<b>Dr. Vanita Sondhi</b>	Convener, IQAC – Applied Psychology Department
<b>Dr. Salma Seth</b>	Co-convener, IQAC – Applied Psychology Department
<b>Dr. Subhash Chandra</b>	Assistant Professor - EVS
<b>Mr. Amit Kumar</b>	Assistant Professor - Economics Department
<b>Mr. Jaspertap Singh</b>	Assistant Professor - Political Science Department
<b>Dr. Shubhashri Bose</b>	Convener - Garden Committee and NSS
<b>Dr. Rajni Jindal</b>	Librarian
<b>Mrs. Archana</b>	Assistant
<b>Mrs. Priyanka</b>	Assistant
<b>Mr. Sharvan</b>	Daftri & Offg. JACT
<b>Mr. Naresh Kumar</b>	Daftri & Offg. JACT

On behalf of EHS Alliance Services

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

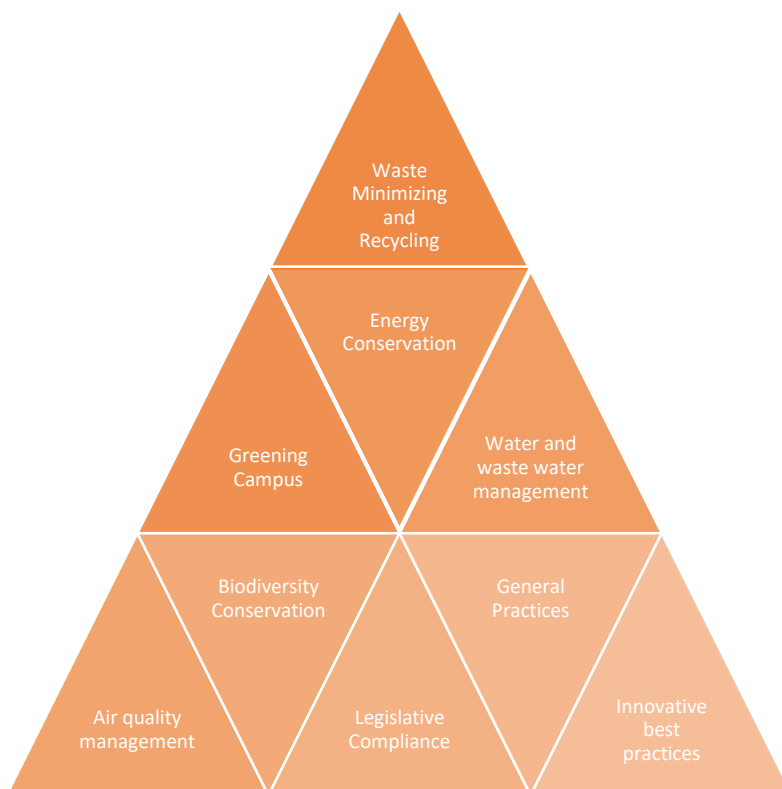


## EXECUTIVE SUMMARY

The environment audit is a snapshot in time, in which one assesses campus performance in complying with applicable environmental laws and regulations. Though a helpful benchmark, the audit almost immediately becomes out-dated unless there is some mechanism in place to continue the effort of monitoring environmental compliance. Our approach to promote a Green Campus to inculcate the sustainable value systems among the students, so that they carry the learning and practices them in their future endeavours. This will ensure that Sustainability and Environmental practices get embedded in all the institutions and organizations in the country.

A Green Campus is a place where environmentally friendly practices and education combine to promote sustainability in the campus which ultimately offers an institution the opportunity to take the lead in redefining its environmental culture and developing new paradigms by creating sustainable solutions to environmental, social and economic needs of the mankind.

This is the first environment audit of college for doing their bit towards environmental protection and environmental awareness at local and global front. Audit criterion is environmental cognizance, waste minimization and management, biodiversity conservation, water conservation, energy conservation and environmental legislative compliance by the campus. A questionnaire is used during audit. This audit report contains observations and recommendations for improvement of environmental consciousness.





# WASTE MANAGEMENT

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## TYPE OF WASTE ON COLLEGE CAMPUS

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

1. **FOOD WASTE** - College campus generates food waste. The average mess and canteen generates approximately 10 kg of food waste a day. The reasons for food waste on an educational campus may be over purchasing food to ensure a sufficient supply and then throwing it away, especially in all hostel messes where plentiful stores are essential. And in the cafeteria or hostel mess, students may pile food onto their trays, find it unappealing once they sit down and dutifully scrape it into the garbage. Immediate attention is given to the food waste minimization techniques.
2. **RECYCLABLE PAPER, CARDBOARD, PLASTIC, GLASS AND CANS** - Campus tends to produce vast quantities of these recyclables. Even in the digital age, many students, professors and staff members still prefer handwritten notes and end up with piles of unwanted paper once their courses and projects are complete. And shipments of necessary items throughout the year are likely to arrive in recyclable plastic and cardboard packaging. The same is sold/auctioned to the scrap vendors time to time.
3. **STUDENT CLOTHES AND HOUSEWARES** - As we have mentioned above, many students find it more convenient to throw away their clothes and dorm furnishings at the end of the year than donate or recycle them. So, Vivekananda College has regular clothes donation and recycling drives in the campus
4. **E-WASTE** - Student and facility electronics often form a large portion of a campus's waste — As campus continually upgrade their computing facilities and office computers to keep up with the latest technology, the old computers have to go somewhere. So do old printers, phones, copy machines and other electronics that receive upgrades over the years. Discarded student electronics often become part of a campus's waste stream as well. Students may throw away old phones, TVs, tablets, laptops and printers, along with cords and other accessories. Recycling is a much more eco-friendly option — the metals in old electronics often have a high reuse value.
5. **CHEMICAL WASTE** - Chemical waste on a college campus may come from numerous sources. Campus laboratories generate waste chemicals, as do cleaning services. The detergents used in campus laundry rooms eventually become waste as well. Much of these chemical substances are hazardous waste under Manufacture, Storage and Import of



Hazardous Chemicals Rules, 1989 and must undergo specific disposal processes according to state environmental rules and regulations.

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



# ENERGY CONSERVATION

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

**A. Electricity**

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

**B. LPG**

- *Cafeteria*

**Ways to use less energy**

- *Using Energy efficient appliances*
- *Switching off the electrical equipment when not in use*
- *Use of Air conditioners at optimum temperatures as per the utilization schedule*
- *LED lights*

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

- *LEDs installed*
- *Use of Air conditioners at optimum temperatures as per the class timetable*
- *Car pooling*
- *Solar panels installed*

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

*Approx 14 % of Total Conventional bulbs and tubelights are replaced by LED Lights.*

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

*No*





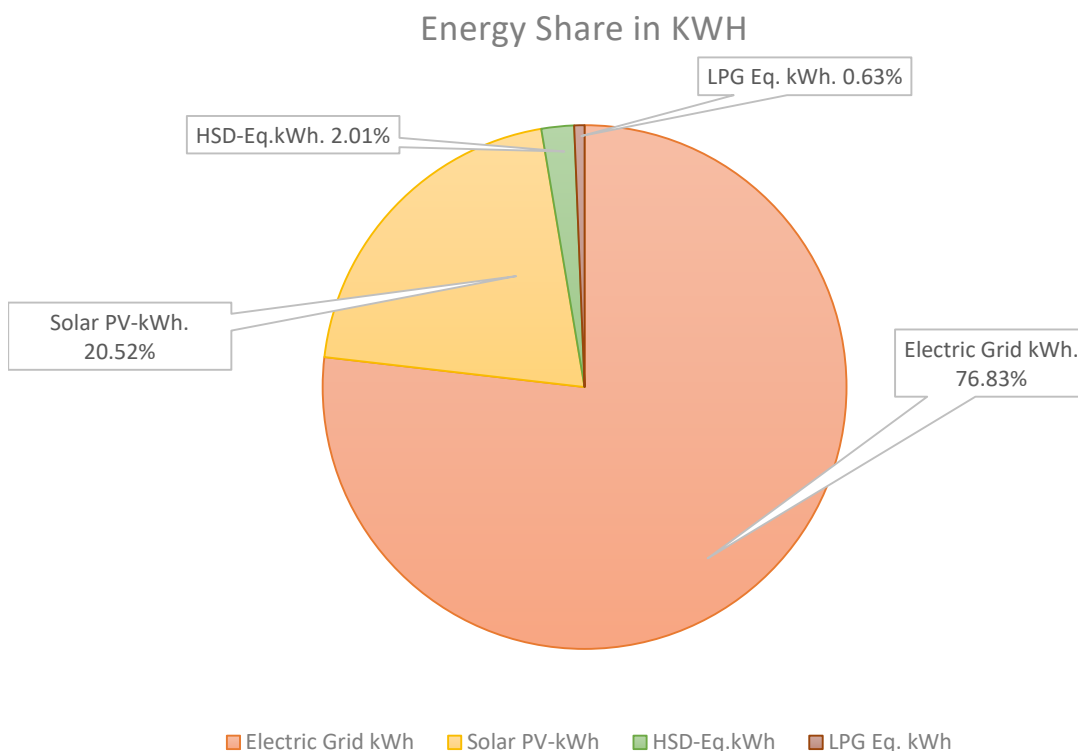
**5. Are your computers and other equipment's put on power-saving mode?**

Yes

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

Yes, In office hours

Energy Share	kWh	Percentage
Electric Grid kWh	181952.00	76.83%
Solar PV-kWh	48608.00	20.52%
HSD-Eq. kWh	4767.60	2.01%
LPG Eq. kWh	1500.70	0.63%
<b>Total -kWh</b>	<b>236828.30</b>	<b>100%</b>





# WATER AND WASTE-WATER MANAGEMENT

## 1. List uses of water in your institute

*Basic use of water in campus:*

**Drinking** – 74.84 KL/month

**Gardening** – 660.37 Kl/month

**Kitchen and Toilets** – 492.22 KL/month

**Others** – 176.73 KL/month

**Hostel** – 0 KL/Month

**Total = 1404.16 KL/Month**

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

*Available total water storage is 90,000.*

*2 tanks of 5000 litres = 10,000 litres*

*10 tanks of 1000 litres = 10,000 litres*

*1 Underground tank of 50,000 litres = 50,000 litres*

*1 Overhead tank of 20,000 litres = 20,000 litres*

*\*20% of water is being used for athlete track and hockey sports ground*

*Saving Techniques*

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



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

*Entry - Water comes from DJB and Borewell*

*Exit- From Canteen, Toilets, bathrooms and Labs through covered drainage which is connected to sewer*

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

**Basic ways:**

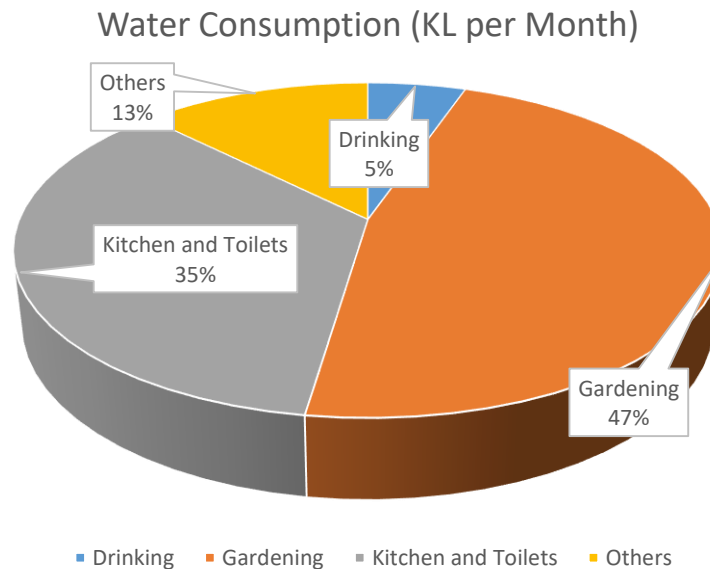
- Close the taps after usage
- Water Conservation awareness for new students
- Maintenance and monitoring of valves in supply system to avoid overflow, leakage and spillage
- Sensor based taps and push tap are installed to save water

### 5. Does your institute harvest rainwater?

*The college has a rainwater storage system for better groundwater recharge. The stored water in this tank can be used for gardening purposes and supply to the running track.*

### 6. Is there any water recycling System?

*No*



## AIR QUALITY MANAGEMENT

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

*Yes, as per National Building Code, guidelines*

### 2. Window Floor ratio of the Rooms?

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

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

*There are no college owned vehicles.*

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

NA

### 5. PUC done?

NA



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

NA

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

*Monitoring of PM2.5 Concentration was carried out in college in 2018. PM2.5 aerosols concentrations were measured with the help of the CSIR-National Physical Laboratory at a site in Vivekananda College, Delhi. PM2.5 sampler (PM2.5, model Envirotech, APM 550) is based on impactor design and is standardized by USEPA for ambient air monitoring.*

# ENVIRONMENT LEGISLATIVE COMPLAIANCE

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

Yes

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

*Yes, Vivekananda College's- Eco club is conscious about the environment protection and takes proper measures in terms of awareness campaigns, activities, webinar, seminars, etc.*

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

Yes

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

No

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





No

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

No

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

No

## GENERAL INFORMATION

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

- Periodic Plantation drive
- Ban on single use plastic
- Biodegradable waste management through Composting, solid waste management
- Water and energy conservation through posters

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

Yes. Vivekananda College creates awareness through ECO Club activities, Webinars, cleanliness drives in the community.

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

Yes, World Environment Day, Ozone Day, Earth Day, World water day, World wetland Day, Earth hour and more are celebrated by campus.



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

*No*

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

*Certificates are attached in annexure I*

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

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

## **INITIATIVES CARRIED OUT BY COLLEGE**

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- The Vivekananda College, University of Delhi organises cleanliness drive under swatchhta pakhwara from 1st Aug – 15th Aug 2021. Under this drive, NSS volunteers clean the nearby areas and houses and took the step forward to make their locality clean and beautiful.
- The college organized a Best out of Waste activity under swatchhta pakhwara . The students from various colleges had participated in the event and helped to make it a great success.
- College organised “Paper Bag Campaign” from 1st July 2021 to 15th July 2021. In this campaign, volunteers prepared paper bags and gave them to medical stores or departmental stores near to the house. The aim of this campaign was to reduce the use of plastic bags.
- College organised Poster Making Competition on the occasion of World Ozone Day 16th Sep. Theme for the competition was Ozone For Life.
- College celebrated Van Mahotsav from 27th to 31st July 2021. Under the Van Mahotsav, the unit has organised three events – Vraksharopan, 5 days awareness drive and a pledge



## RECOMMENDATIONS

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- Eco-friendly parameters should be included in the purchase of articles and goods for the campus.
- Car-pooling practices can be adopted by campus to minimise air pollution.
- The periodic maintenance schedule for renewable sources of energy to achieve optimised efficiencies.
- Environmental Monitoring i.e. (Stack Monitoring of DG sets, Water monitoring need to be conducted periodically (as per DPCC).
- Agreement with third party authorised vendors should be done for different types of waste management, such as BMW, paper waste, Plastic waste, etc.
- Increase the capacity of solar PV so that it can fulfil at least 70% of the electricity requirement
- Reduce carbon emission by reducing the power consumption

## CONCLUSION

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This audit involved extensive consultation with all the campus team, interactions with key personnel on a wide range of issues related to environmental aspects. Overall, 65% of college campus is for landscaping. Vivekananda College is dedicated to promote the environment management and conservation in the campus and community. The audit has identified some suggestions for making the campus premise more environment friendly. The recommendations and suggestions are mentioned for campus to initiate actions.

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



## **REFERENCES**

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- **The Environment [Protection] Act – 1986 (Amended 1991) & Rules-1986 (Amended 2010)**
- **The Petroleum Act: 1934 – The Petroleum Rules: 2002**
- **The Central Motor Vehicle Act: 1988 (Amended 2011) and The Central Motor Vehicle Rules:1989 (Amended in 2005)**
- **Energy Conservation Act 2010.**
- **The Water [Prevention & Control Of Pollution] Act – 1974 (Amended 1988) & the Water (Prevention & Control of Pollution) Rules – 1975**
- **The Air [Prevention & Control Of Pollution] Act – 1981 (Amended 1987) The Air (Prevention & Control of Pollution) Rules – 1982**
- **The Gas Cylinders Rules – 2016 (Replaces the Gas Cylinder Rules – 1981**
- **E-waste management rules 2016**
- **Electrical Act 2003 (Amended 2001) / Rules 1956 (Amended 2006)**
- **The Hazardous Waste (Management and Handling and Trans-boundary Movement) Rules, 2008 (Amended 2016)**
- **The Noise Pollution Regulation & Control rules, 2000 (Amended 2010)**
- **The Batteries (Management and Handling) rules, 2001 (Amended 2010)**
- **Relevant Indian Standard Code practices**



# ANNEXURE I – ENVIRONMENTAL RECOGNITION AND COMPLIANCE

## List of dustbins in the college campus with their location

S. No.	Area in VNC campus	Locations	Green Dustbin	Blue dustbin	Other dustbin	Total
1	New building	Ground floor (Outside washroom)	1	1		2
		First floor (Outside washroom)	1	1		2
		Second floor (Outside washroom)	1	1		2
		Third floor (Outside washroom)	1	1		2
		Terrace area between new and old building	1	1		2
2	Old building	Ground floor (Near room no 12, 21 and in the washroom)	2	2	1	5
		First floor (Near room no 42 and 39)	2	2	1	5
		Second floor	2	2		4
		Old lab			1	1
3	Inside washrooms	Each floor regular, physical challenged and Staff Room			9	9
4	Library	First floor			1	1
		Second floor			1	1
		Third floor	1			1
		Librarian room			2	2
5	Auditorium	Vivekananda Auditorium	1	1	2	4
		Sharda Hall	1	1	2	4
6	Canteen	Main Canteen	1	1		2
7	Sports Ground				3	3
8	Garden area	Near Gate 1	1	1	1	3
		Rear side of Sharda Hall			1	1
		In front of Vivekananda Auditorium			1	1
		Car Parking area	1	1		2
		<b>Total</b>	<b>17</b>	<b>16</b>	<b>26</b>	<b>59</b>

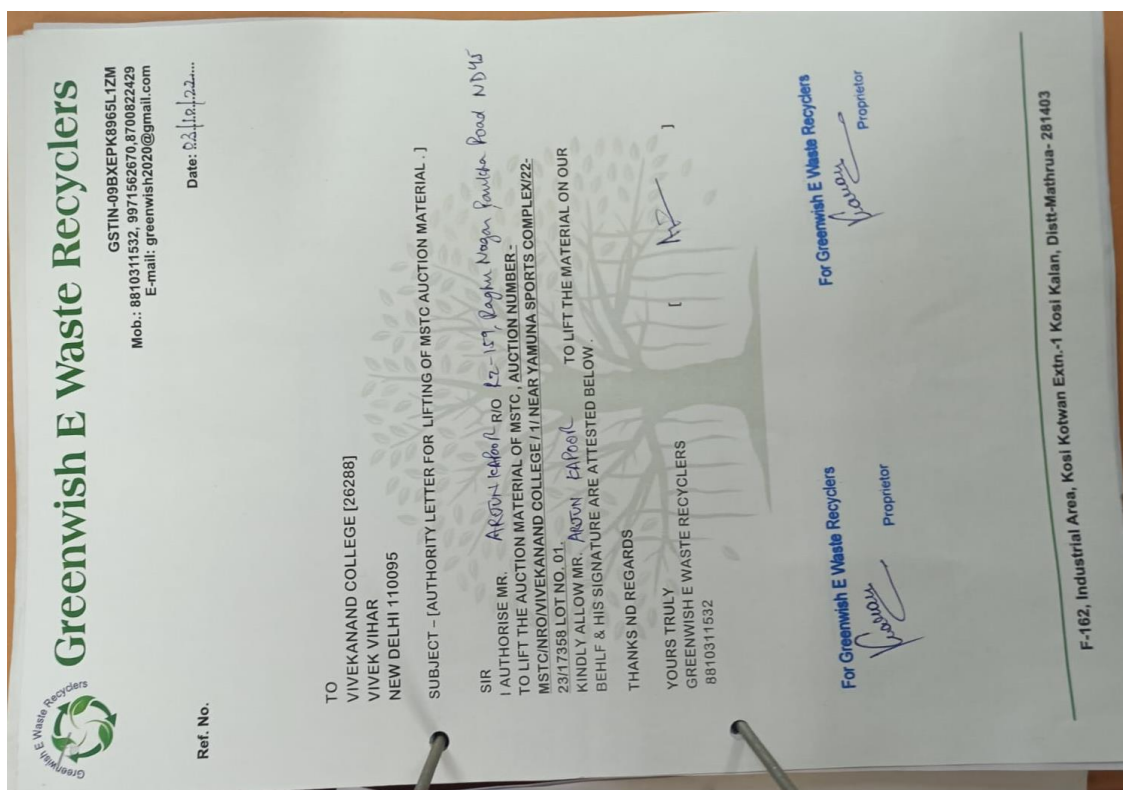
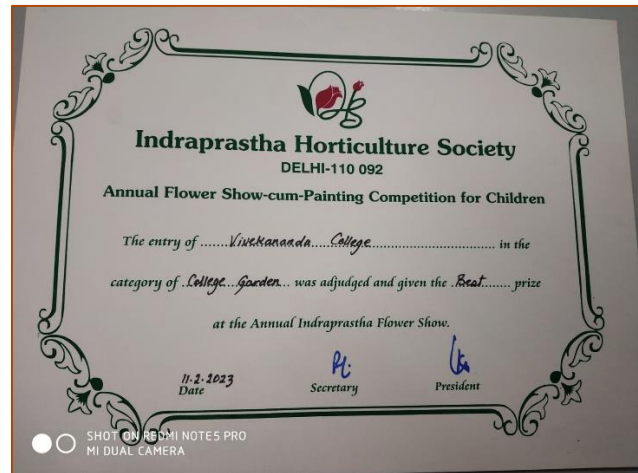




Prepared for: **Vivekananda College**



Prepared by: **EHS ALLIANCE SERVICES**



## ANNEXURE II – PHOTOGRAPHS OF ENVIRONMENTAL INITIATIVES



Composting machine



Incinerator for BMW management



Solar Panel installed on building roof



Autopush taps for water saving



Soundproof silent generators



Color-coded dustbins





Prepared for: **Vivekananda College**



Prepared by: **EHS ALLIANCE SERVICES**



Paper bags making activity



Best out of waste activity



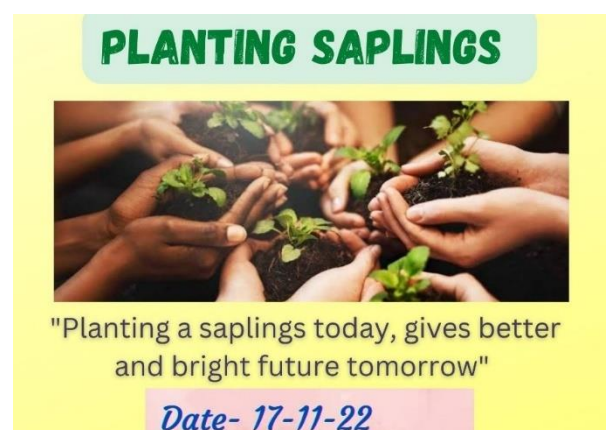
Best out of waste activity



Van Mahotsav Celebration



Plantation drive



Plantation drive



PM2.5 measurement



Energy saving message



Poster making activity



Ozone day celebration

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