KUMAUN UNIVERSITY

ENVIRONMENT AUDIT REPORT

2022-2023

PREPARED BY
EHS ALLIANCE SERVICES

TABLE OF CONTENT

CERTIFICATE

EHS alliance

CERTIFICATE

PRESENTED TO

KUMAUN UNIVERSITY

Sleepy Hollow, Nainital-263001, Uttarakhand, 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 2022-23

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 SERVICES GURGAON

SIGNATURE

08.04.2024
DATE OF AUDIT

EHS ALLIANCE SERVICES, PLOT A-72, SURYA VIHAR, GURUGRAM, 122001
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ACKNOWLEDGEMENT

EHS Alliance Services would like to thank the management of Kumaun University for assigning this important work of Environment Audit. We appreciate the cooperation to the teams in the completion of the assessment.

First of all, we would like to thank **Prof. D. S. Rawat Hon'ble Vice – Chancellor** and **Prof. Neeta Bora Sharma Director, D.S.B. Campus** for giving us an opportunity to evaluate the environmental performance of the campus.

We would also like to thank **Dr. Geeta Tewari, Professor – Audit Coordinator**, for her 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

Prof. Neelu Lodhiyal	Professor
Prof. Ashish Tewari	Professor
Dr. Deepakshi Joshi	Asst. Professor
Dr. Harsh K. Chauhan	Asst. Professor
Dr. Hardesh Kumar	Asst. Professor
Mr. Virendra Singh Bisht	Helper

DISCLAIMER

EHS Alliance Services Audit Team has prepared this report for Kumaun University based on input data submitted by the representatives of University 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.

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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

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 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

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 judicially 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 UNIVERSITY

Established in 1973, Kumaun University, nestled in Uttarakhand, emerged from the merger of two eminent government colleges, namely, D.S.B. Government P.G. College, Nainital and Almora Government P.G. College. Kumaun University earned its recognition from the University Grants Commission (UGC) in New Delhi under Section 12-B of the UGC Act, 1956. This recognition enabled the University to receive consistent support from the UGC. Over time, the University transformed from a mere institution to a leading academic beacon for thousands in the Kumaun Region of Uttarakhand. Recognizing the diverse educational needs of Kumaun's remote areas, the State Legislature implemented the SSJ University Act (Act No. 20 of 2019). This decision led to the bifurcation of Kumaun University and the establishment of SSJ University Almora. This pivotal change was officially announced by the Uttarakhand Government on **22nd June 2020** through **Order No. 168/XXXVI (3) 2020/ 771/ 2019**.

Now, the Kumaun University's sprawling campuses at D.S.B., Nainital and Sir J C Bose at Bhimtal cover an area of approximately 160 acres, featuring state-of-the-art facilities. With affiliations to 20 government colleges, 61 private institutions, and a government-aided college, the university supports around 1,50,000 students, making it Uttarakhand's largest. A key feature that sets Kumaun University apart is its unwavering commitment to delivering an inclusive educational environment, irrespective of background, race, or faith. The institution diligently fosters a spirit of innovation, civic responsibility, and personal integrity. Its endeavors to bridge the gap between academia, government, and industry are commendable.

Over the past three years, the university has focused on establishing recognized departments for both scientific and social research. This initiative has garnered attention from faculty members and students countrywide. Pre-Uttarakhand state formation, Kumaun University set benchmarks for state universities in terms of academic rigor, student discipline, resource generation, and maintaining a conducive learning environment.

Such standards earned the university an **'A' Grade accreditation** from the National Assessment and Accreditation Council (NAAC) in 2015.

The University is imparting quality education and research facilities in all the ten faculties:

- Faculty of Arts (Drawing and Painting, Economics, English, Geography, Hindi, History, Home Science, Music, Political Science, Psychology, Sanskrit, Sociology and Tourism)
- Faculty of Science (Botany, Forestry, Chemistry, Computer Science, Geology, Mathematics, Physics, Statistics, Zoology, Biotechnology, and Information Technology)
- Faculty of Commerce (B.Com., B.Com.(Hon.), M.Com.)
- Faculty of Management (BBA, MBA, P.G. Diploma in Tourism, MBA in Tourism, MBA Executive, MBA Rural Management)
- Faculty of Education (B. Ed. and M. Ed.)
- Faculty of Law (LL.B. and LL.M.)
-
- Faculty of Technology (B. Pharma and M. Pharma.)
- Faculty of Visual Arts (B.F.A. and M.F.A.)
- Faculty of Agriculture (B.Sc. and M.Sc.)
- Faculty of Biomedical Science (M.Sc.)

MISSION, VISION & CORE VALUES

VISION

Our vision is to create an inclusive educational ecosystem where all stakeholders benefit from knowledge creation and transmission, driven by innovation, creativity and skilling, leading to radical personal and social transformation for nation-building.

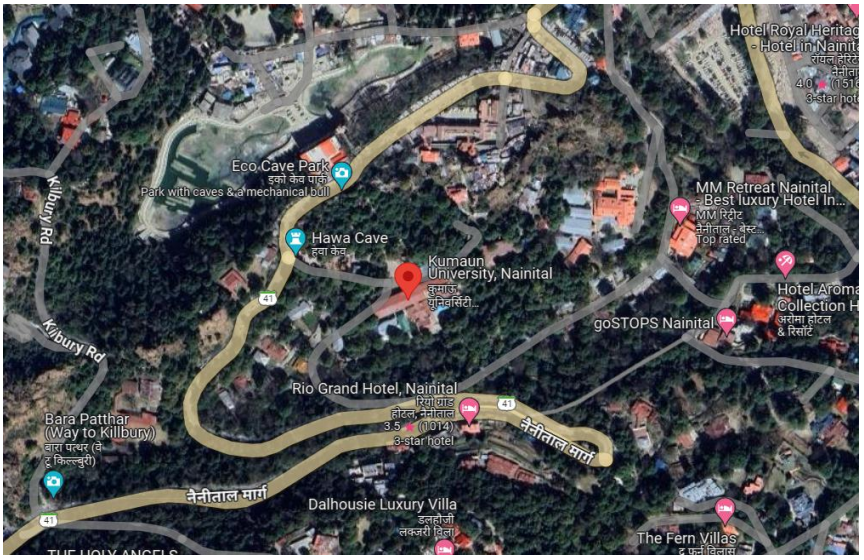
MISSION

To empower stakeholders for social development with relevant knowledge and skills needed for employability, providing access to lifelong learning opportunities, ensuring partnership with the local community, providing equity and inclusion to the socio-economic disadvantaged groups while conserving the traditional knowledge and cultural fabric of the region.

CORE VALUES

- *Integrity and transparency in all our activities*
- *Pursuit of excellence in all academic activity-Teaching and Research.*
- *Embracing diversity, ensuring inclusion and promoting equity*
- *Efficient administration through e-governance adopting the latest ICT initiatives*
- *Environmental Conservation and sustainability through green practices*
- *Promotion and conservation of regional culture and diverse heritage*

Geo Location
Geo Coordinates from Google maps:
29.391165, 79.44591



AUDIT PARTICIPANTS

On behalf of University

Name	Designation
Prof. D. S. Rawat	*Vice - Chancellor*
Prof. Neeta Bora Sharma	*Director*
Prof. Neelu Lodhiyal	*Professor*
Prof. Ashish Tewari	*Professor*
Prof. Geeta Tewari	*Professor*
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Dr. Hardesh Kumar	*Asst. Professor*
Ms. Vartika Joshi	*Ph.D. Scholar*
Mr. Inder Singh Rautela	*Ph.D. Scholar*
Ms. Nirmala	*Ph.D. Scholar*
Ms. Neelam Bisht	*Ph.D. Scholar*
Ms. Kunjika Durgapal	*Ph.D. Scholar*
Ms. Charu Joshi	*Ph.D. Scholar*
Ms. Vashundhra Lodhiyal	*Ph.D. Scholar*

On behalf of EHS Alliance Services

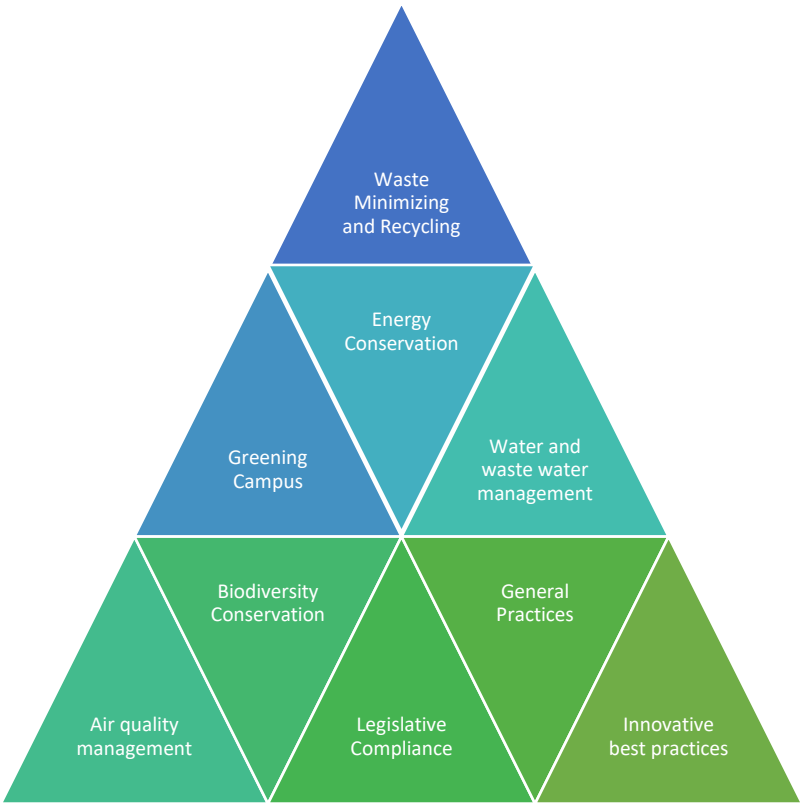
Name	Position	Qualifications
Dr. Uday Pratap	Lead Auditor	*Ph.D , PDIS, QCI – WASH, Lead Auditor ISO 14001:2015*
Ms. Pooja Kaushik	Co-Auditor	*M.Sc., Field Expert, QCI – WASH*

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 University 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

TYPE OF WASTE ON UNIVERSITY CAMPUS

To create effective waste management plans, the University 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 -** University campus generates food waste. The average mess and canteen generate approximately 8 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.

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.

5. **CHEMICAL WASTE -** Chemical waste on an Institution 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. Kumaun University has installed number of furnaces to manage lab's waste at different labs.

8. **FURNITURE -** Furniture waste on a 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 Kumaun University donates their text books and notes to junior students, or else are auctioned to reseller.

10. **C & D WASTE -** 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 of through authorised dumping site by CPCB/SPCB.

11. **SOLID WASTE -** The University is managing solid waste by providing via composting and bio gas plant.

12. **HORTICULTURE WASTE –** University 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 and hostel mess*

Ways to use less energy

- *Replacing the conventional bulbs to LEDs*
- *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.*
- *Turn off the switch on the socket after use.*

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

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

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

Approx 80 % of total Conventional bulbs and tubelights are replaced by LED Lights.

4. **Do you run "switch off" drills at institute?**

Yes

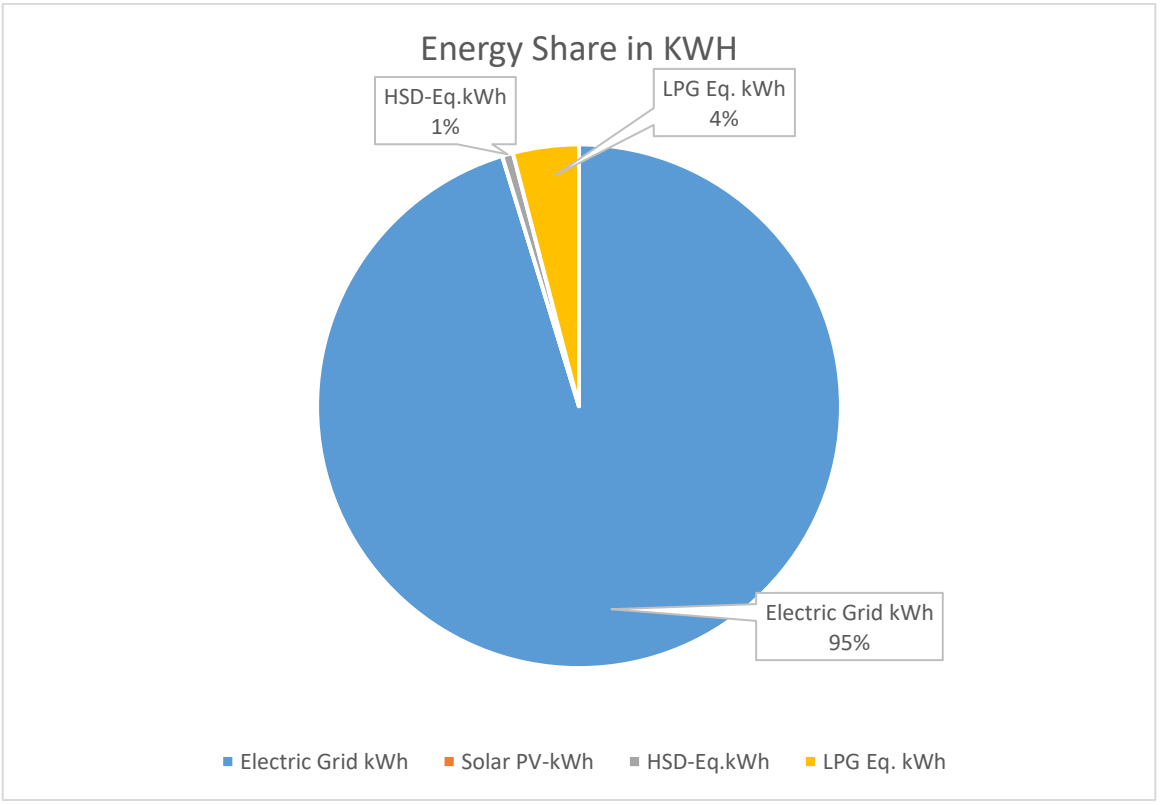
5. **Are your computers and other equipment's put on power-saving mode?**

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	*637148.00*	*95.26%*
Solar PV-kWh	*0.00*	*0.00%*
HSD-Eq. kWh	*4515.52*	*0.68%*
LPG Eq. kWh	*27187.10*	*4.06%*
Total -kWh	***668850.62***	***100%***



WATER AND WASTE-WATER MANAGEMENT

1. List uses of water in your institute

Basic use of water in campus:

***Drinking** – 208.90 KL/month*

***Gardening** – 184.84 Kl/month*

***Kitchen and Toilets** – 1209.27 KL/month*

***Others** – 408.46 KL/month*

***Hostel** – 1044.90 KL/Month*

Total = 3056.38 KL/Month

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

Total water storage capacity of the university is 14,000 litres

- *Avoid overflow of water-controlled valves are provided in water supply system.*
- *Close supervision for water supply system.*
- *Push taps are installed for water conservation*
- *Water Conservation awareness for new students*

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 Municipal Corporation

Exit- From Canteen, Toilets, Hostel, Bathrooms and Labs through covered drainage which is connected to public sewage

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*

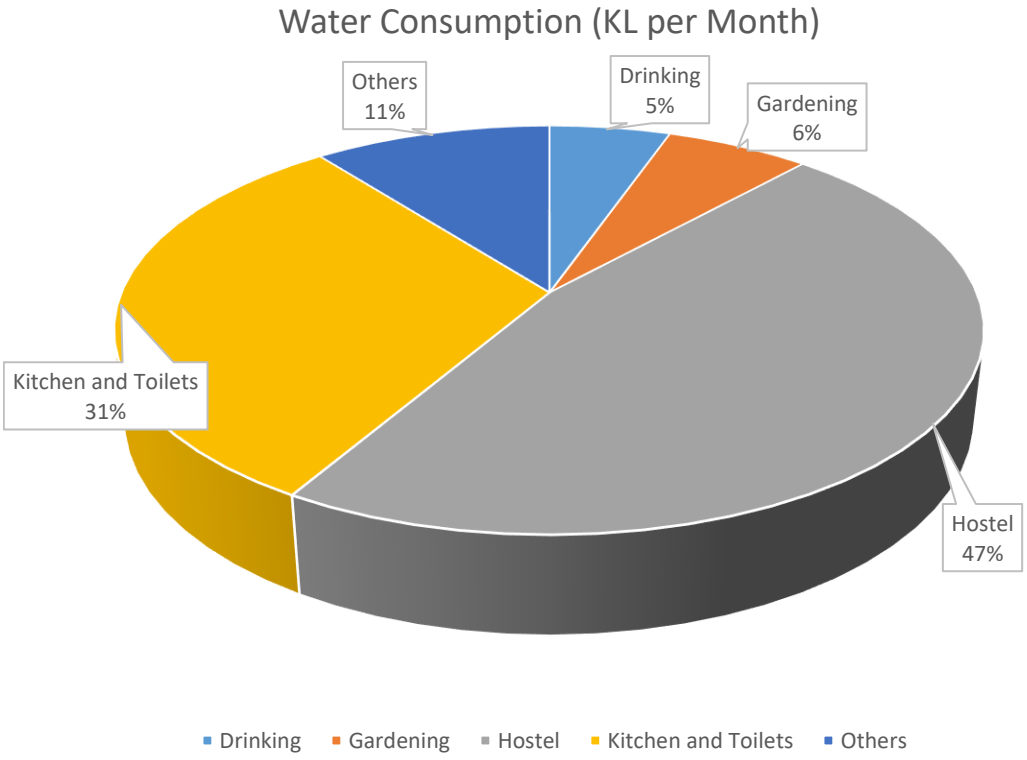
- *Maintenance and monitoring of valves in supply system to avoid overflow, leakage and spillage*
- *Push taps are installed to save water*

5. Does your institute harvest rainwater?

No

6. Is there any water recycling System?

No



AIR QUALITY MANAGEMENT

1. Are the Rooms in Campus Well Ventilated?

Yes, as per the 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 is 1 bus, 4 cars, and 2 other vehicles in the university.

4. Provide details of Institute-owned vehicles.

1 Bus – Diesel
4 Cars – petrol
2 others – Diesel

5. PUC done?

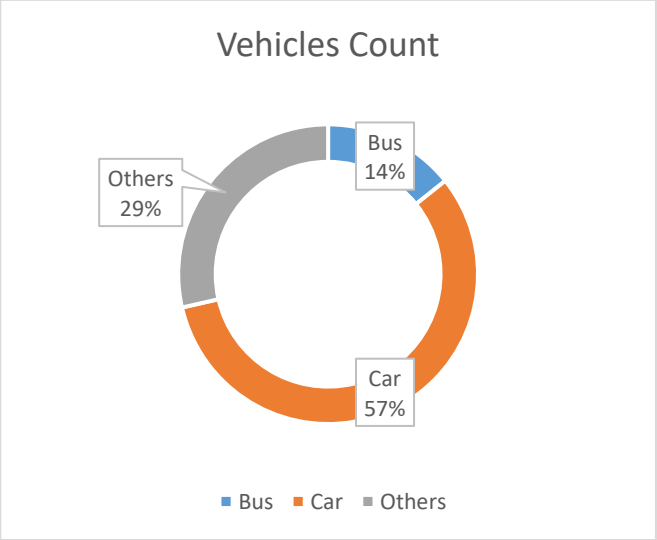
Yes

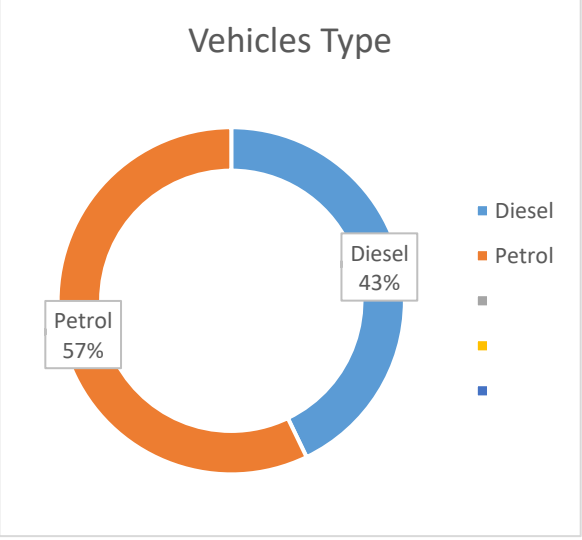
6. Specify the type of fuel used by your campus's vehicles

1 Bus – Diesel
4 Cars – petrol
2 others – Diesel

8. Air Quality Monitoring Program (If, Any)

No





ENVIRONMENT LEGISLATIVE COMPLAIANCE

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, Kumaun University'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?

`No

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 and municipal corporation*
- *Water and energy conservation through posters*

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

Yes. Kumaun University creates awareness through ECO Club activities, Webinars, and cleanliness drives in the community.

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

Yes, 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?

If yes

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

Certificate of 'Green Campus' from Uttarakhand Forest Department is 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 University.

INITIATIVES CARRIED OUT BY UNIVERSITY

- **Solid Waste Management**
  - Collect paper waste produced on campus and collaborate with scrap dealers for recycling.
  - Reduce use of paper by supporting digitization of attendance and internal assessment records.
  - Take initiatives to spread awareness amongst students about food wastage and ways of minimizing it
  - The habit of reusing non-biodegradable products
  - Organizing workshops for students on solid waste management.
  - There is ban on single use plastic and plastic crockery in the campus.
  - University has installed sanitary waste disposal facility by installing incinerator as per CPCB guidelines for the management of sanitary waste -As per Solid Waste Management Rules, 2016

- **Liquid Waste Management**
  - Maintain leak proof water fixtures.
  - 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 for is used for gardening purpose
  - Urinals are installed in boy's washroom to reduce water wastage

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

- **Air Pollution Reduction**
  - Personal Vehicles (Students) are not allowed in the campus

RECOMMENDATIONS

- Eco-friendly parameters should be included in the purchase of articles and goods for the campus.
- Environmental Monitoring i.e. Stack Monitoring of DG sets, Water monitoring, air quality monitoring needs to be conducted periodically (as per SPCB).
- Agreement with third party authorised vendors should be done for different types of waste management, such as BMW, paper waste, Plastic waste, etc.
- Reduce carbon emission by reducing the LPG and diesel consumption
- Water metering records should be in practice for water auditing and balancing.

CONCLUSION

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, 60% of University campus is for landscaping. Kumaun University 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 university can work to improve its actions and become a more sustainable institution.

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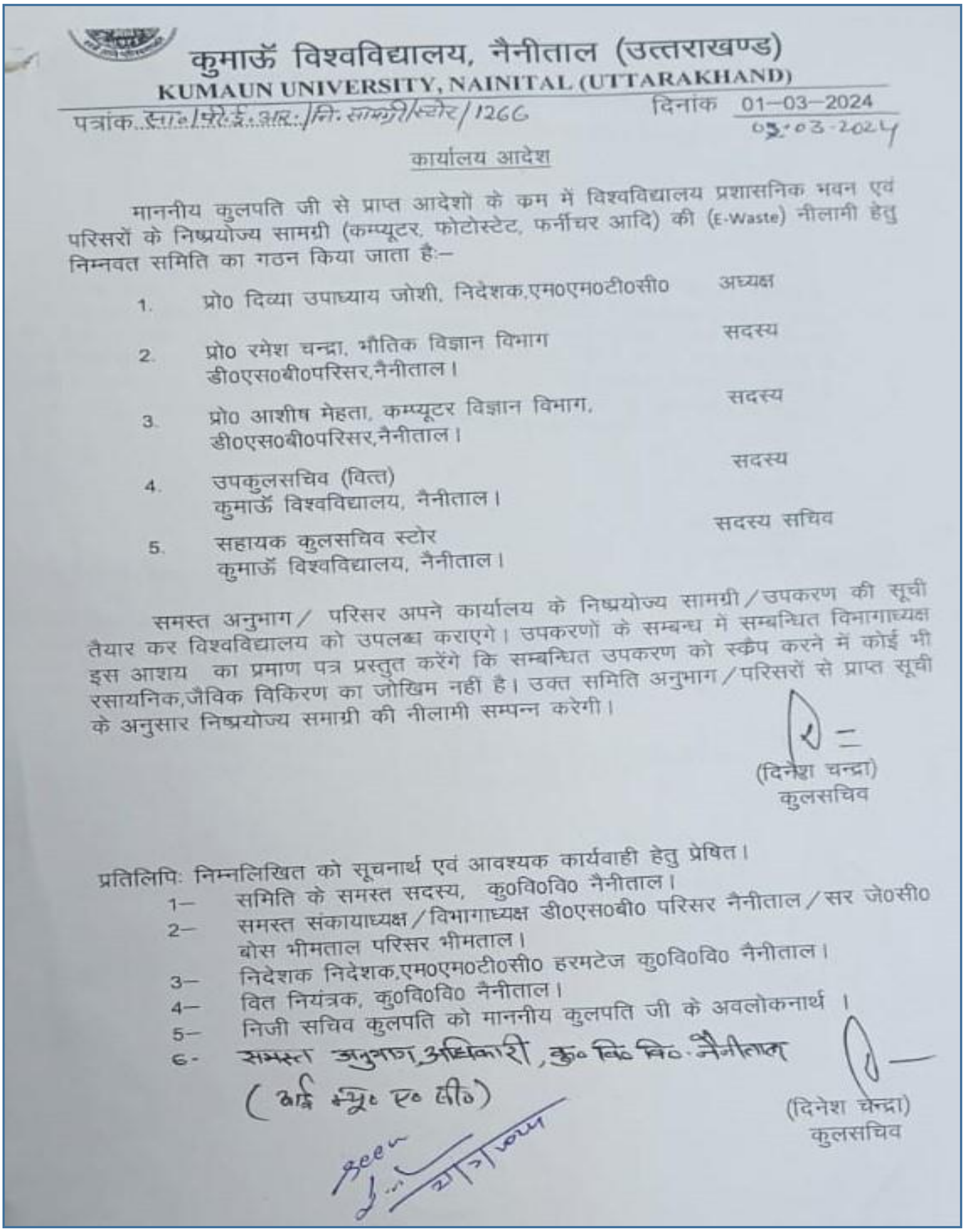
REFERENCES

- **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



कुमाऊँ विश्वविद्यालय, नैनीताल (उत्तराखण्ड)
KUMAUN UNIVERSITY, NAINITAL (UTTARAKHAND)

पत्रांक: सा०/प्रो०ई०आर०/नि० सामग्री/स्टोर/1266 दिनांक 01—03—2024 05.03.2024

कार्यालय आदेश

माननीय कुलपति जी से प्राप्त आदेशों के क्रम में विश्वविद्यालय प्रशासनिक भवन एवं परिसरों के निष्प्रयोज्य सामग्री (कम्प्यूटर, फोटोस्टेट, फर्नीचर आदि) की (E-Waste) नीलामी हेतु निम्नवत समिति का गठन किया जाता है:—

1.	प्रो० दिव्या उपाध्याय जोशी, निदेशक,एम०एम०टी०सी०	अध्यक्ष
2.	प्रो० रमेश चन्द्रा, भौतिक विज्ञान विभाग डी०एस०बी०परिसर,नैनीताल।	सदस्य
3.	प्रो० आशीष मेहता, कम्प्यूटर विज्ञान विभाग, डी०एस०बी०परिसर,नैनीताल।	सदस्य
4.	उपकुलसचिव (वित्त) कुमाऊँ विश्वविद्यालय, नैनीताल।	सदस्य
5.	सहायक कुलसचिव स्टोर कुमाऊँ विश्वविद्यालय, नैनीताल।	सदस्य सचिव

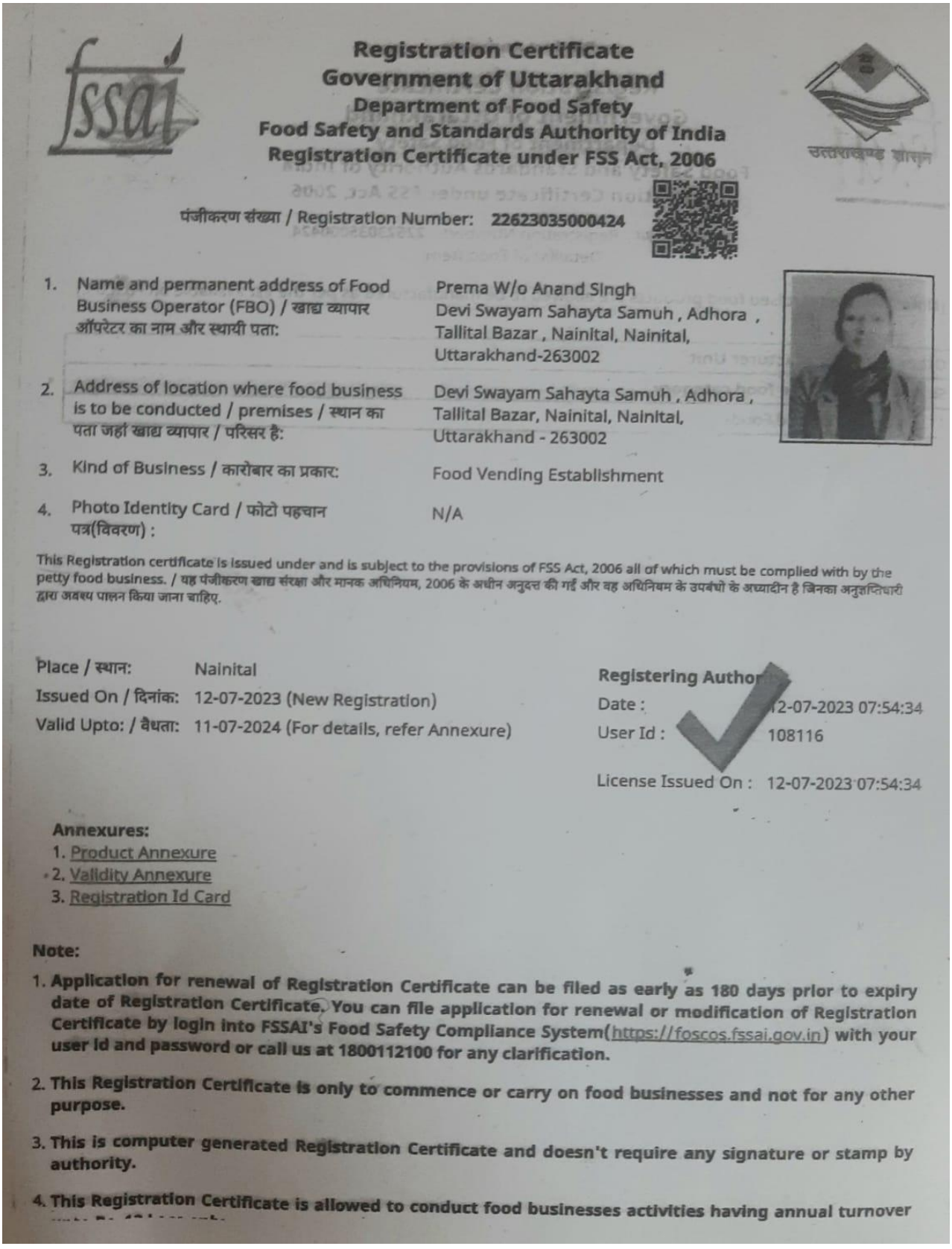
समस्त अनुभाग/ परिसर अपने कार्यालय के निष्प्रयोज्य सामग्री/उपकरण की सूची तैयार कर विश्वविद्यालय को उपलब्ध कराएगे। उपकरणों के सम्बन्ध में सम्बन्धित विभागाध्यक्ष इस आशय का प्रमाण पत्र प्रस्तुत करेंगे कि सम्बन्धित उपकरण को स्कैप करने में कोई भी रसायनिक,जैविक विकिरण का जोखिम नही है। उक्त समिति अनुभाग/परिसरों से प्राप्त सूची के अनुसार निष्प्रयोज्य समाग्री की नीलामी सम्पन्न करेगी।

(दिनेश चन्द्रा)
कुलसचिव

प्रतिलिपि: निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।
1— समिति के समस्त सदस्य, कु०वि०वि० नैनीताल।
2— समस्त संकायाध्यक्ष/विभागाध्यक्ष डी०एस०बी० परिसर नैनीताल/सर जे०सी० बोस भीमताल परिसर भीमताल।
3— निदेशक निदेशक,एम०एम०टी०सी० हरमटेज कु०वि०वि० नैनीताल।
4— वित नियंत्रक, कु०वि०वि० नैनीताल।
5— निजी सचिव कुलपति को माननीय कुलपति जी के अवलोकनार्थ।
6- समस्त अनुभाग अधिकारी, कु० वि० वि० नैनीताल (आई क्यू० ए० सी०)

(दिनेश चन्द्रा)
कुलसचिव

E-waste management



Registration Certificate
Government of Uttarakhand
Department of Food Safety
Food Safety and Standards Authority of India
Registration Certificate under FSS Act, 2006

उत्तराखण्ड शासन

पंजीकरण संख्या / Registration Number: **22623035000424**

1.	Name and permanent address of Food Business Operator (FBO) / खाद्य व्यापार ऑपरेटर का नाम और स्थायी पता:	Prema W/o Anand Singh Devi Swayam Sahayta Samuh , Adhora , Tallital Bazar , Nainital, Nainital, Uttarakhand-263002
2.	Address of location where food business is to be conducted / premises / स्थान का पता जहां खाद्य व्यापार / परिसर है:	Devi Swayam Sahayta Samuh , Adhora , Tallital Bazar, Nainital, Nainital, Uttarakhand - 263002
3.	Kind of Business / कारोबार का प्रकार:	Food Vending Establishment
4.	Photo Identity Card / फोटो पहचान पत्र(विवरण) :	N/A

This Registration certificate is issued under and is subject to the provisions of FSS Act, 2006 all of which must be complied with by the petty food business. / यह पंजीकरण खाद्य संरक्षा और मानक अधिनियम, 2006 के अधीन अनुदत्त की गई और वह अधिनियम के उपबंधों के अध्याधीन है जिनका अनुज्ञप्तिधारी द्वारा अवश्य पालन किया जाना चाहिए.

Place / स्थान: Nainital
Issued On / दिनांक: 12-07-2023 (New Registration)
Valid Upto: / वैधता: 11-07-2024 (For details, refer Annexure)

Registering Author
Date : 12-07-2023 07:54:34
User Id : 108116

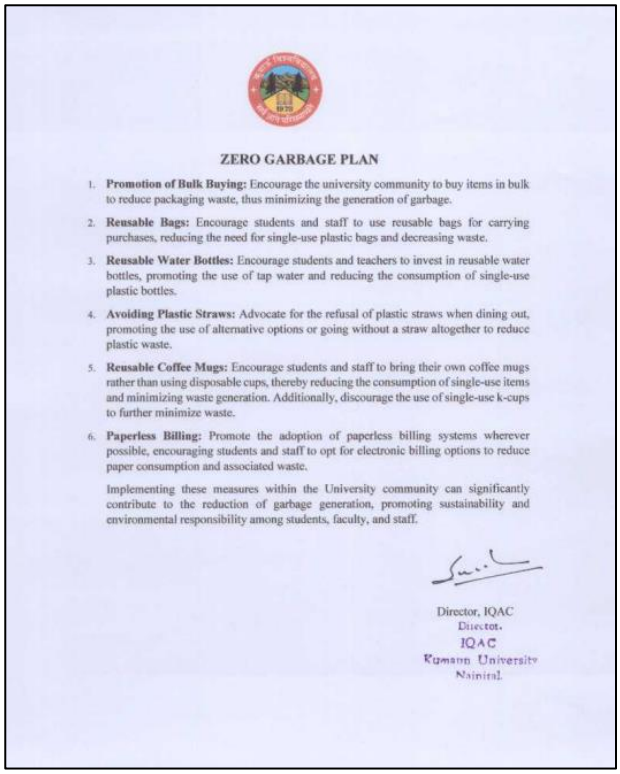
License Issued On : 12-07-2023 07:54:34

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**

Food Safety Licence



ZERO GARBAGE PLAN

1. **Promotion of Bulk Buying:** Encourage the university community to buy items in bulk to reduce packaging waste, thus minimizing the generation of garbage.
2. **Reusable Bags:** Encourage students and staff to use reusable bags for carrying purchases, reducing the need for single-use plastic bags and decreasing waste.
3. **Reusable Water Bottles:** Encourage students and teachers to invest in reusable water bottles, promoting the use of tap water and reducing the consumption of single-use plastic bottles.
4. **Avoiding Plastic Straws:** Advocate for the refusal of plastic straws when dining out, promoting the use of alternative options or going without a straw altogether to reduce plastic waste.
5. **Reusable Coffee Mugs:** Encourage students and staff to bring their own coffee mugs rather than using disposable cups, thereby reducing the consumption of single-use items and minimizing waste generation. Additionally, discourage the use of single-use k-cups to further minimize waste.
6. **Paperless Billing:** Promote the adoption of paperless billing systems wherever possible, encouraging students and staff to opt for electronic billing options to reduce paper consumption and associated waste.

Implementing these measures within the University community can significantly contribute to the reduction of garbage generation, promoting sustainability and environmental responsibility among students, faculty, and staff.

Director, IQAC
Director.
IQAC
Kumaun University
Nainital.

Zero Garbage Plan

Food waste Management Plan

Food waste is a global issue which contributes to the unnecessary use of natural resources, such as water, land, and energy. It adds an additional strain on ecosystems related to environment, economic and social parameters. Food waste is mainly caused due to inadequate storage and handling practices and inefficient food distribution systems such as:

- Overproduction and excess inventory
- Influence tempting promotions like "buy one, get one free"
- Insufficient food-management skills
- Retail practices
- Misaligned supply and demand
- Lack of awareness and education

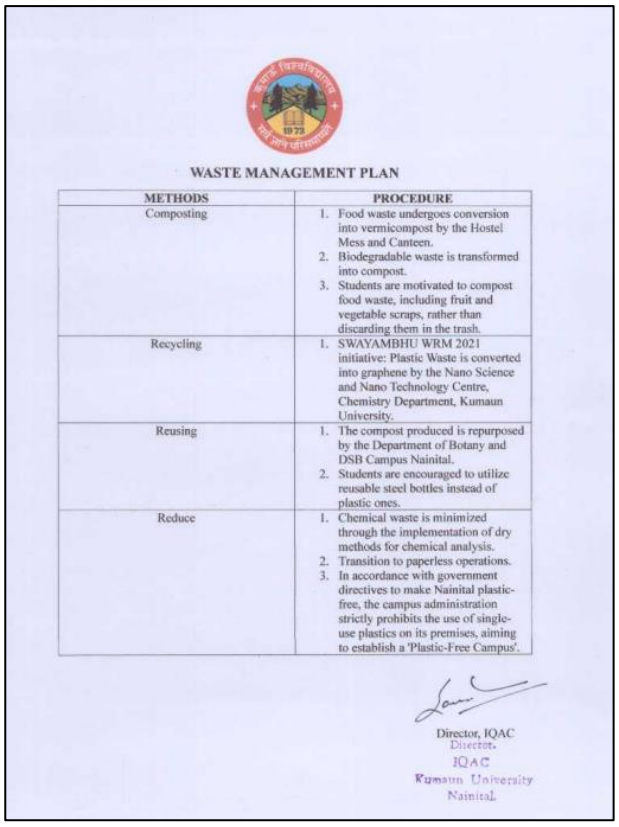
Approach for Prevention and reducing Food waste

- Complete elimination of food waste being a never ending task however preventive measures can be taken to reduce and contributing to a constitute more sustainable and responsible food system.
- The best way to reduce or minimize food waste some or even all of the given tasks can be performed.

Prevent and reduce food wastage at source
Redistribute unsold/excess food
Recycle/treat food waste
Recover energy

Director.
IQAC
Kumaun University
Nainital.

Food Waste Management Plan

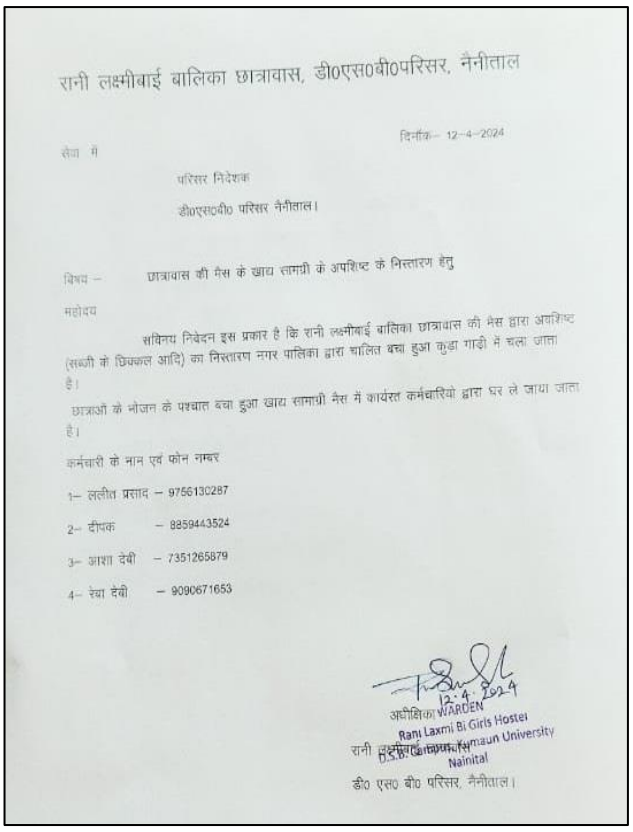


WASTE MANAGEMENT PLAN

METHODS	PROCEDURE
Composting	1. Food waste undergoes conversion into vermicompost by the Hostel Mess and Canteen. 2. Biodegradable waste is transformed into compost. 3. Students are motivated to compost food waste, including fruit and vegetable scraps, rather than discarding them in the trash.
Recycling	1. SWAYAMBHU WRM 2021 initiative: Plastic Waste is converted into graphene by the Nano Science and Nano Technology Centre, Chemistry Department, Kumaun University.
Reusing	1. The compost produced is repurposed by the Department of Botany and DSB Campus Nainital. 2. Students are encouraged to utilize reusable steel bottles instead of plastic ones.
Reduce	1. Chemical waste is minimized through the implementation of dry methods for chemical analysis. 2. Transition to paperless operations. 3. In accordance with government directives to make Nainital plastic-free, the campus administration strictly prohibits the use of single-use plastics on its premises, aiming to establish a 'Plastic-Free Campus'.

Director, IQAC
Director.
IQAC
Kumaun University
Nainital.

Waste Management Plan



रानी लक्ष्मीबाई बालिका छात्रावास, डी0एस0बी0परिसर, नैनीताल

दिनांक– 12-4-2024

सेवा में

परिसर निदेशक

डी0एस0बी0 परिसर नैनीताल।

विषय – छात्रावास की मैस के खाद्य सामग्री के अपशिष्ट के निस्तारण हेतु

महोदय

सविनय निवेदन इस प्रकार है कि रानी लक्ष्मीबाई बालिका छात्रावास की मैस द्वारा अवशिष्ट (सब्जी के छिलके आदि) का निस्तारण नगर पालिका द्वारा चालित बचा हुआ कुडा गाड़ी में चला जाता है।

छात्राओं के भोजन के पश्चात बचा हुआ खाद्य सामग्री मैस में कार्यरत कर्मचारियों द्वारा घर ले जाया जाता है।

कर्मचारी के नाम एवं फोन नम्बर

1– ललीत प्रसाद – 9756130287

2– दीपक – 8859443524

3– आशा देवी – 7351265879

4– रेखा देवी – 9090671653

12.4.2024
अधीक्षिका WARDEN
Rani Laxmi Bi Girls Hostel
Kumaun University
Nainital

रानी लक्ष्मीबाई बालिका छात्रावास
डी0 एस0 बी0 परिसर, नैनीताल।

Food Distribution Plan

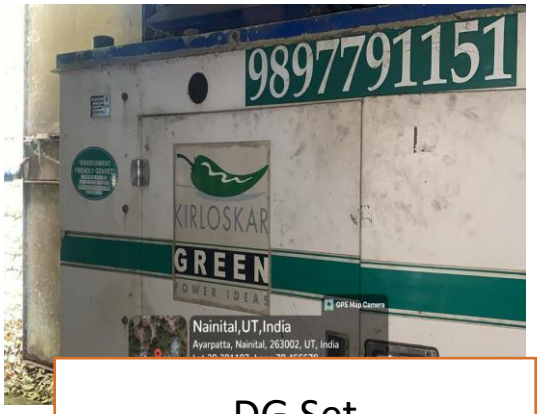
ANNEXURE II – PHOTOGRAPHS OF ENVIRONMENTAL INITIATIVES

Storm water drainage

Water filteration unit

Color coded dustbin

Autopush taps for water saving



DG Set

Green House

Campus Nursery

Ornamental Plants

No Food Waste message

Water conservation message display

Plantation drive

Cleanliness drive

Water and energy conservation posters

Energy saving message

World Environment Day Celebration

SDG awareness lecture to new students

E-Waste collection box

Network printer to save paper printing

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