GREEN AUDIT

KALINDI COLLEGE, UNIVERSITY OF DELHI

Prepared by

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DISCLAIMER

Environmental Pollution Analysis Lab Green Audit Team, Bhiwadi, Rajasthan has prepared this report for Kalindi College (Delhi University, Delhi) based on input data submitted by the representatives of university complemented with the best judgment capacity of the expert team. While all reasonable care has been taken in its preparation, details contained in this report have been compiled in good faith based on information gathered.

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CONTEXT FOR GREEN AUDIT

The National Assessment and Accreditation Council, New Delhi (NAAC) has recommended that from the academic year 2016–17 onwards that all Higher Educational Institutions should submit an annual Green Audit Report. Moreover, it is part of Corporate Social Responsibility of the Higher Educational Institutions to ensure that they contribute towards the reduction of global warming through Carbon Footprint reduction measures. In view of the NAAC circular regarding Green Auditing, the College Management decided to conduct an external Green Evaluation by an independent agency having competent auditors. The audit process was started in October, 2021.

Aims and objectives of Environmental Audit in Academic Institutes:

To nurture environmentally friendly management in academic college/institutions following aims and objectives were formulated

- To recognize the initiative taken by the Organization towards the environment.
- To secure the environment and cut down the threats posed to human health.
- To provide baseline information to enable organizations to evaluate and manage environmental change, threat and risk.
- To recognize, diagnose and resolve environmental problems.
- To recognize the effects of an organization on the environment and vice versa.
- To identify and control the impact of activities of organizations on the environment.
- To suggest the best protocols for sustainable development organization and environment.
- To assess environmental performance and the effectiveness of the measures to achieve the defined objectives and targets.
- To identify the different pressures on organizations to improve their environmental performance.
- To ensure that the natural resources are utilized properly as per national policy of environment.
- To establish the parameters for maintaining health and welfare of the community of the organization.
- To set the procedure for disposal of all types of harmful wastes.

- To reduce energy consumption.
- To give preference to the most energy efficient and environmentally sound appliances.
- To minimize the consumption of water and monitor its quality.
- To identify the risks of hazards and implement the policies for safety of stakeholders.
- To facilitate the stakeholders with different aspects of disaster management.
- To train all stakeholders of the organization and empower them to contribute and participate in the environmental protection.
- To make sure that rules and regulations are taken care of to avoid interruptions in the environment.

To achieve the mentioned objectives following stages are implemented. It includes three stages viz. pre-audit stage, audit stage and post-audit stage. Each of these stages comprises a number of clearly defined objectives, with each objective to be achieved through specific actions and these actions yielding results in the form of outputs at the end of each stage. Keeping the importance of environmental audit in view, the present study focuses on reviewing the process of environment audit and the measures to be taken by academic institutes to contribute towards the environment.

Executive Summary

Kalindi College, Patel Nagar New Delhi, is a NAAC accredited 'A' grade college with a core mission to achieve academic excellence and achievements focusing girl's education. Their motto literally means "The real ornaments are Knowledge, Modesty and Sense of duty". They are conscious of their fundamental duties as envisaged in the constitution of India and try to incorporate best practices at institutional levels to minimize the impact on environment and ensure resilience and sustainability. The College is committed to fulfil the legitimate requirements of present generation without compromising the ability of future generations to meet their own needs in line with sustainable development goals (SDGs). The college strives to reconcile institutional activities with environmental conservation for a safe and secure future in the era of climate change.

Kalindi College is committed to practice and maintain high environmental standards in all of its activities, including teaching, research, and community involvement. The college is more ecologically conscious and has earned a reputation as a responsible institution. The biodiversity with a lush green flora and fauna with an equally maintained herbal and plant gardens is a testament to their credentials for maintaining high environmental standards.

The ***Environmental and Energy Policies of the Kalindi college, Patel Nagar, New Delhi*** is made to provide an overview of the college's vision to minimize the environmental impacts of its activities and operation and sustainable management of the available resources. The policy statement highlights how the college would pursue environmental best practices and inspire the sustainable use of resources at the community level within and outside college premise. It lays out the concepts; delineate priority areas, and methods for the college's environmental plans' implementation, management, and evaluation. Its goal is to reduce energy and raw materials consumption that could jeopardize the sustainability measures being taken at college level. This policy will communicate the College administration's goals and objectives to college employees, students, and staffs, as well as aid in the creation of a better environment for future generations.

The policy document of the Kalindi college, Patel Nagar, New Delhi will aid in the integration of efficiency and environmental consciousness into daily activities, allowing them to better understand

their duties and dedication to natural resource conservation and utilization. Kalindi College had tried to address the issue of sustainability as a part of curricular and extra-curricular activities. The College is welcoming suggestions and promote exchange of ideas to make a more risk-averse, resilient and a sustainable society. Kalindi College also take the lead in developing new frameworks for understanding the paradigm of sustainable development. They are excited to learn about new approaches that could help put the sustainability drive into action. The College will continue to be an attractive institution for study, research, sponsorship, and collaboration with the government as a result of the legislation and execution of their innovative policy, which will serve as a model for other institutions.

Kalindi College is passionate about the environment and has implemented various sustainable environmental initiatives in its campus. Various committees have been constituted to carry out and oversee these tasks. On the academic front college have an independent department i.e. Department of Environmental Sciences for teaching the compulsory course of environmental sciences at graduate level. Apart from that, the college have also duly constituted important committee to assess, manage and implement the college policing in line with sustainable practices for example they have an active Eco-club, garden committee, Plant incubation centre, solid waste management committee, and other clubs/committees actively working at institutional level. The college also on an annual basis undertake a mandatory "Green audit" as mentioned in the critera-7 of NAAC. Following are the initiatives that have been taken at the institution levels for promoting awareness among students of all the disciplines about the problems of climate change through academic as well as non-academic outreach activities. The college involves different stake-holders for their environmental activities for a broader outreach.

Kalindi College had pursued the following objectives:

1) Use the semester long course-curriculum to promote education for the multidisciplinary nature of environment and sustainable development.
2) The College will attempt to train its personnel and develop knowledge of environmental issues and the environmental effects of its activities among academic staff, students, and other users.
3) The college's respective committees will formally monitor the work done on sustainability projects/initiatives, measure their progress, and report on their accomplishments.

4) The college/university will continue to comply with environmental legislation in order to reduce its environmental effect by pursuing a number of goals, including plantation, water management, energy conservation, solid waste management, air quality management, and carbon footprint reduction.
5) Develop and maintain an ISO: 14001 environmental management systems as well as an ISO: 50001 energy management system.
6) Actively collaborate with local groups in the areas of environment, energy efficiency, and sustainable development by engaging in communication with government agencies, municipal corporations, and affiliating colleges.
7) Promote environmental assessment initiatives to raise awareness about keeping the campus clean and green.
8) Establish sustainable practises on campus and among stakeholders and to ensure the long-term viability and environmental protection of the organisation.
9) College is taking initiatives that are friendly (clean fuel, renewable resources etc.) and reduction in resource consumption.
10) Financial savings via reducing resource use and practical experience which enriches the curriculum. Also improving/updating the institution's profile is prime objectives of the college.
11) Instilling in young people an environmental ethic and value system
12) Conduct audits to identify areas for improvement and make recommendations.
13) Teach sustainable development to students from all disciplines.
14) Promote sustainable development research and knowledge dissemination,
15) Green campuses and support local sustainability efforts, and to engage and share information with worldwide networks
16) Implement carbon-neutral policies to increased environmental promotional events on campus to raise awareness.
17) Establishment of an environment/green committee to oversee eco-friendly projects on campus and in the surrounding area.
18) Introduce innovative technologies to make efficient use of energy resources and use of renewable energy sources and Optimize energy usage and costs.
19) Reduce, Reuse, and Recycle are the three R's to conduct internal energy audits on a regular basis to find energy-saving options.

20) The college has carried out institution energy audit and management cell manages regular monitoring and follow-up procedures to ensure effective implementation at department levels.
21) To make the Institute a role model in the area of energy conservation, they train teachers, non-teaching staff, students, and housekeeping staff.
22) Encourages faculty members to become Certified Energy Auditors and Managers to establish relationships with businesses and conduct a comprehensive energy audit.
23) Encourage people from all walks of life to be aware of the importance of energy conservation to review the policy at least once a year.

INTRODUCTION

Kalindi College is a NAAC accredited 'A' grade college with a core mission to achieve academic excellence and achievements focusing girl's education. Their motto literally means "The real ornaments are Knowledge, Modesty and Sense of duty". The college is conscious of our fundamental duties as envisaged in the constitution of India and they try to incorporate best practices at institutional levels to minimize the impact on environment and ensure resilience and sustainability. The college is committed to fulfil the legitimate requirements of our present generation without compromising the ability of future generations to meet their own needs in line with sustainable development goals (SDGs). The college strives to reconcile institutional activities with environmental conservation for a safe and secure future in the era of climate change.

The college is located in its own beautiful campus of 8.25 Acre in East Patel Nagar the College, offers courses under Non-Collegiate and School of Open Learning Centre, along with its regular courses and contemporary Add-on Courses such as Video Production Foreign Languages (French and Chinese), Tourism. With a team of dedicated and efficient teachers and strong and co-operative administrative staff, the college provides its students an environment conducive to all-round development. A clean and healthy environment aids effective learning and provides a conducive learning environment. There are various efforts around the world to address environmental education issues. Other parts of the world have started adopting compatible environmental management systems either voluntarily or for promoting standards by external certification. International environmental standards do not suit the existing Indian educational system. Hence, **Environmental Pollution Analysis Lab Green Audit Team, Bhiwadi, Rajasthan** has developed a compatible system by developing locally-applicable techniques. A very simple indigenized system has been devised to monitor the environmental performance of educational institutions. It comes with a series of questions to be answered on a regular basis. Environmental conditions may be monitored from angles that are relevant to Indian requirements, without stress on legal issues or compliance. This innovative scheme is user-friendly and totally voluntary. The environmental monitoring system helps

the institution to set environmental examples for the community and to educate young learners. It can be adapted to urban and / or rural situations.

OVERVIEW OF KALINDI COLLEGE, PATEL NAGAR, NEW DELHI

Kalindi College Delhi University, located at Patel Nagar, Delhi, had a lush green campus enveloped with serene beauty and environment. The college is situated at Patel Nagar, on the outskirts of Connaught Place but nearer to IARI, Campus; it is less than five kilometers from centrally known place of India gate and has an easy and convenient access from I.G International Airport. The College has come a long way since its inception in 1967 and is now seen as a destination where students can embrace their future with hope and confidence. As a constituent college of University of Delhi, Kalindi College strives to cater to higher education to young women with a vision of a new, fulfilling future for all. A nourishing environment supported by a combination of competent infrastructure and a dedicated teaching faculty helps students to achieve the highest accolades in Academics, Sports and other Extra-Curricular Activities.

GREEN AUDIT or ENVIRONMENTAL AUDIT -QUESTIONNIARE

The areas of eco/environmental/green auditing to be followed/practiced by participating institutions:

I. WASTE MINIMIZATION AND RECYCLING
II. BIODIVERSITY AND GREENING THE CAMPUS
III. ENERGY USE & ITS CONSERVATION
IV. WATER CONSERVATION
V. CARBON FOOTPRINT
VI. CLEAN AIR (CAMPUS DESIRABLE AMBIENT AIR)
VII. ENVIRONMENTAL LEGISLATION
VIII. SOCIAL WELFARE & COMMUNITY OUTREACH

GREEN AUDIT or ENVIRONMENTAL AUDIT

The following sectors or areas of Environmental-Green practices are being followed by Kalindi College is as below:

I. WASTE MINIMIZATION AND RECYCLING

1.	Does your college generate any waste? If so, what are they?	Yes, Solid waste Canteen waste, paper, plastic, Horticulture Waste etc. However, managed through MSW Rules, 2016 with the help of Municipal Corporations. (ANNEXURE-I)			
2.	What is the approximate amount of waste generated per day? (in Kilograms/month) (approx.)	Bio-degradable	Non-Biodegradable	Hazardous	Electronics waste, Chemical discards & Others
		Total = 760 kg per year	Not Quantified	Not Quantified	Not Quantified
3.	How the waste generated in the college is managed?	1. Composting 2. Recycling 3. Reusing 4. Segregation 5. Incineration. (ANNEXURE-I)			
4.	Do you use recycled paper in college?	Yes, The college has paper recycling machine for the recycling purpose. (ANNEXURE-I)			
5.	Do you use reused paper in college?	Yes, recycle papers are used for various institutional activities such as notifications, Official communication, study materials etc. (ANNEXURE-I)			
6.	How would you spread the message of recycling to others in the community? Have you taken any initiatives? If yes, please specify.	Done in locality for awareness of resource crunches. (ANNEXURE-I)			
7.	Can you achieve zero garbage in your institute? If yes, how?	Possible through waste management plan. (ANNEXURE-I)			
8.	How do you manage Hazardous and E-waste?	Possible through Authorised Vendors (ANNEXURE-I)			
9.	Is there any awareness programme on waste minimization is being carried out by your college?	Yes, Committee have been formed on each category of waste and College is periodically carried out awareness programmes. (ANNEXURE-I)			

10.	Whether your college staff and students aware about MSW, E-Waste, Hazardous Waste Rules. 2016, 2011, 1989, respectively?	Yes the College staff and students are well aware about these Rules. (ANNEXURE-I)

The college is striving to limit waste creation in all possible ways, including reducing the procurement of new materials, reusing and recycling existing materials, and, if this is not possible, disposing of garbage in a manner that has the least environmental impact. The usage of plastic is prohibited in the campus. The Waste containers/Dustbins are positioned where they are needed. The solid waste from canteens, classrooms, washrooms, offices, laboratory, garden are being disposed and Hazardous and E-waste has been handled, transported, and disposed by the authorized vendors. Further the hazardous chemicals and toxic hygienic compounds will be used as little as possible at the college as the final stage in solid waste reduction and a way to turn waste into a resource, the college had committed to a comprehensive recycling programme. The regular programme of segregation, recycling and reuse its solid wastes, as well as build a waste-to-composting and bio-mass resource recovery is being done. The college is engaged in the 3Rs (Reduce, Reuse and Recycle) of environmental friendliness in a systematic way. Nevertheless, the college staff is collecting and recycling paper waste generated in the campus in collaboration with scrap merchants. Furthermore, the college is developing a technology-centric educational and administrative strategy to reduce solid waste.

Finally, the college is supporting the digitization of attendance and internal assessment records to reduce the consumption of paper. Also, the college is updating library's E-books and E-Journals collection to reduce the need for printed books. Encourage students and teachers to utilize email to submit assignments. Also, take steps to raise student knowledge about food waste and strategies for reducing it. The college is minimizing the usage of packaged foods, as well as promoting the habit of reusing and recycling non-biodegradable items. The college is organizing solid waste management workshops for students. Taking into E-WASTE MANAGEMENT, the college assures that its technological use and e-waste output have no negative influence on the environment. The college intends to work toward the following goals:

1) More arrangements for the disposal of institutional e-waste;
2) Working with e-waste recycling firms to recycle electronic waste;

3) Awareness among students about e-waste reduction and environmentally responsible e-waste disposal techniques;
4) Encouraging e-waste management initiatives at the departmental and societal levels.

Additional information with evidential proof on WASTE MINIMIZATION AND RECYCLING are attached at *Annexure-I* of Annexure report.

II. BIODIVERSITY AND GREENING THE CAMPUS

1.	Are there any Biodiversity or Greening activities in your college?	Yes, College is actively participating in Greening and Biodiversity Conservations. (ANNEXURE-II)
2.	Is there a garden in your college?	Yes, three gardens are developed having a total area about 4370 sq. meter. (ANNEXURE-II of ANNEXURE REPORT)
3.	Do the students/college participate in the campus greening and biodiversity conservations?	Yes, the students/college practices participatory biodiversity conservation programmes. (ANNEXURE-II of ANNEXURE REPORT)
4.	Total number of Plants (Herb, Shrubs, Trees, Medicinal) in the Campus.	969 plants in the campus. (ANNEXURE-II of ANNEXURE REPORT)
5.	Name of some important plants variety exists in your college campus. (Trees, vegetables, herbs, etc.)	Ashoka, Ficus Religeosa, Boganvellia, Alovera, Sandal wood, Opuntia, Pittosporum, Elaerpcarcus Spp. Taro, Turmeric , Jatropha Spider plant , Sarita , Basil, Papaya Sadabahar Elaeocarpus ganitrus and many more as per geographical regime. (ANNEXURE-II of ANNEXURE REPORT)
6.	Is the College/University campus have any Horticulture Department/Garden committee/Eco-club?	Yes, College has a functional garden committee and Eco-club. (ANNEXURE-II of ANNEXURE REPORT)
7.	Number of Tree Plantation drives organized by college per annum. (If Any)	Yes, Plantation drives are regularly organized and trees and shrubs planted in this financial year. (ANNEXURE-II of ANNEXURE REPORT)
8.	Is there any medicinal garden in your college?	Yes college have medicinal garden with an area of 27m x 50m. (ANNEXURE-II of ANNEXURE REPORT)
9.	Whether college is using compost or bio-fertilizer as a part of green farming?	Yes, no pesticides are being used in the college garden. Compost is being generated by compost machine and vermin-compost plant is used for the gardening purpose. (ANNEXURE-II of ANNEXURE REPORT)
10.	Does college is organizing community	Yes, Eco-club of Kalindi college is engaged with

	awareness programme/Outreach workshops/Online programme for biodiversity conservation?	organization of tree plantation programme, Painting Competition, Rallies, Street Play, Online seminar, Lecture series, and online conferences on Biodiversity conservation. (ANNEXURE-II of ANNEXURE REPORT)

College is actively participating in Greening and Biodiversity Conservations. The college campus is a green campus with many ornamental, medicinal, fruit and timber plants. More than 50 plant species are planted in the campus with proper labelling of its botanical and common name. These trees are habitat for several bird species. The bird nests along with water have been placed in many locations to increase the number of bird visits. The regular plantation drives were conducted at main campus to improve the present greenery in the campus. The green audit concluded that the Kalindi college Delhi University has taken all the eco-friendly measures for making the campus green and environmentally sound. All the students, staff, faculty and administration are working to achieve environmental sustainability. There are gardens in Kalindi College. There are 4 specific gardens in the college

- Herbal Garden - 27m X 50m
- Theme Park - 26m X 36m
- Saraswati Garden - 60m X 20m
- August Kranti Park-28m X 65 m

The college is having ECO CLUB. Eco Club of Kalindi College, University of Delhi is a multidimensional, highly active society that runs in coordination with the department of environment, Govt. of NCT of Delhi. The Eco Club plays an important role in creating environmental awareness amongst the future generation. Eco club is a group of teachers and students dedicated to making our campus less wasteful, raising awareness for eco-friendly causes and promoting environmentally friendly habits like reducing, reusing and recycling. The main objectives of eco club include:

1) Motivate the students to keep their surroundings green and clean by undertaking plantation of trees.
2) Sensitize the students to minimize the use of plastic bags, not to throw them in public places as they choke drains and sewers, cause water logging and provide breeding ground for mosquitoes. Eco Club is also organizing tree plantation programmes, awareness programmes such as quiz, essay, painting competition, rallies, Nukkad Natak etc. regarding various environmental issues.

3) Build an attitude to help individuals and social groups acquire a set of values and feelings of concern for environment and the motivation for actively participating in environmental implementation and protection.
4) Teach skills to students to help individuals to identify and solve environmental problems.

Additional information with evidential proof on BIODIVERSITY AND GREENING THE CAMPUS are attached at *Annexure-II* of Annexure report.

III. ENERGY USE & ITS CONSERVATION

1.	How much energy used by the college in KW per month before and after the lockdown?	The Kalindi college uses energy after the lockdown is **37357 KW** per month whereas before lockdown the energy used by the college was **50656 KW** per month. (ANNEXURE-III of ANNEXURE REPORT)
2.	List ten ways that you use energy in your college. (Electricity, LPG, firewood, others).	Electricity saves by use of CFL/LED bulbs for illumination, LPG saves by use of Pressure cookers for cooking food. Alternate source of energy i.e. Solar Heater Installed. (ANNEXURE-III of ANNEXURE REPORT)
3.	Are there any energy saving methods employed in your college? If yes, please specify. If no, suggest some methods.	Yes, renewable source of energy through solar plant (**61.75 .KW**) already commissioned by college. Messages are displayed at various locations to aware the peoples about energy savings. Use of natural lights and natural ventilation are promoted. (ANNEXURE-III of ANNEXURE REPORT)
4.	How many CFL/LED bulbs has your college installed? Mention energy used by LED bulbs as the college resumes after lockdown?	Total Conventional bulbs is replaced by LED/CFL Lights. (ANNEXURE-III of ANNEXURE REPORT)
5.	Are any alternative energy sources employed / installed in your college? (Photovoltaic cells for solar energy, windmill, energy efficient stoves, etc.,) Please Specify.	Yes, photovoltaic cells for solar energy are being used. (ANNEXURE-III of ANNEXURE REPORT)
6.	Do you run "switch off" mock-drills at college?	Yes, the college regularly organizes mock drills for switch off campaign. (ANNEXURE-III of ANNEXURE REPORT)
7.	How much energy (per month) is being saved by uses of efficient light source replacement by the Kalindi college?	Yes, **6177.6 KW per month** (ANNEXURE-III of ANNEXURE REPORT)

8.	Does the classroom have sufficient solar light illumination? Provide details.	Yes, National Standard for interior illumination for educational institute is 200/300/500 for lecture theatre, the Kalindi college complying as per the International / Indian standard IS-3646 (Part-I), 1992 (Range of illumination in lux should be 300/500/750 lux).
9.	Does college organize any workshops/ seminar/ campaign to aware students and staff?	Yes, the college has involved in these such activities.
10.	Does your machinery (TV, AC, Computer, printers, etc.) run on standby modes most of the time?	Yes, in practice. (ANNEXURE-III of ANNEXURE REPORT)

The Kalindi college uses energy after the lockdown is **37357 KW** per month whereas before lockdown the energy used by the college was **50656 KW** per month as consumption of energy. After the lockdown the college has replaced high energy demanding tube lights replaced by LED that leads to energy saving equivalent 6178 KW per month. (ANNEXURE-III of ANNEXURE REPORT). The entire campus of Kalindi college has installed with LED tubes that reduces the energy consumption and have better efficiency. All the air conditioners installed are of having energy stars with power savings. The refrigerators and most of the equipment in the laboratories are also has star ratings with less energy consumption. The campus has been following the GRIHA norms with its eco-friendly and energy efficient measures. The Kalindi college has given much importance to the use of renewable energy sources. The solar photovoltaic units with supplying energy for street lights and solar water heaters have been installed in the campus. The awareness on energy conservation was regularly conveyed to staff and students to make them more responsible. Small activities like switching off lights, fans and computers not in use were completely practiced by all the members of college. The temperature of the air conditioners in the campus was set at 24°C during peak summer to reduce energy consumption without affecting the comfort. The day scholar students and staff are mostly rely on the public transport services i.e. Metro and buses for their transportation which saves the fuel consumption and also reduces the carbon emissions from private vehicle. This indicator addresses energy consumption, energy sources, energy monitoring, lighting, appliances, and vehicles. Energy use is clearly an important aspect of campus sustainability and thus requires no explanation for its inclusion in the assessment. An old incandescent bulb uses approximately 60W to 100W while an energy efficient light emitting diode (LED) uses only less than 10 W. Energy auditing deals with the conservation and methods to reduce its consumption related to environmental degradation. It is therefore essential that any environmentally responsible college examine its energy use practices.

Additional information with evidential proof on ENERGY USE & ITS CONSERVATION are attached at Annexure-III of Annexure report.

IV. WATER CONSERVATION

1.	What are the sources of water in the Kalindi college?	1) Supply from Delhi Jal Board; 2) Groundwater; 3) Rainwater Harvest. (ANNEXURE-IV of ANNEXURE REPORT)
2.	List uses of water in your college?	1. Drinking 2. Gardening 3. Kitchen and Toilets 4. Washroom and Construction. (ANNEXURE-III of ANNEXURE REPORT)
3.	Daily quantity of water pumped per day?	Total use of Water= 50,000 Lit. per day. In working days= 2000 to 2500 litres per day Daily use of water= 50,000 lit./ working day. (ANNEXURE-IV of ANNEXURE REPORT)
4.	How does your college store water? Are there any water saving techniques followed in your college?	Overhead Water Tanks and Underground Water tank installed for storage of water. (ANNEXURE-IV of ANNEXURE REPORT)
5.	Are there signs reminding student/staff to turn off water taps?	Yes
6.	Write down ways that could reduce the amount of water used in your college and is being practiced.	Basic Four ways: 1. Close the taps after usage; 2. Maintenance and monitoring of valves in supply system to avoid overflow, 3. Maintain leakage and spillage; 4. Water Conservation awareness for students. (ANNEXURE-IV of ANNEXURE REPORT)
7.	Record water uses from the college water meter for one year? And annual water charges paid for water uses?	1574 units (Approx.), in working days. Rs. 366513 per year (ANNEXURE-IV of ANNEXURE REPORT)

8.	Does your college harvest rain water?	Yes, through modern rain water harvesting system are available. One rain water harvesting unit of about 20,000 lit water capacity has been installed in college premises. (ANNEXURE-IV of ANNEXURE REPORT)
9.	Is there any water recycling system or treatment of water?	No
10.	Does college organized workshop/ conference/ training/seminar for the student and college staff for water management and conservation?	Yes, college administration and eco-club organizes various conferences and seminar for water conservation and management. (ANNEXURE-IV of ANNEXURE REPORT)

Water is a natural resource; all living matters depend on water. While freely available in many natural environments, in human settlements potable (drinkable) water is less readily available. We need to use water wisely to ensure that drinkable water is available for all, now and in the future. A small drip from a leaky tap can waste more than 180 liters of water in a day; that is a lot of water to waste - enough to flush the toilet eight times! Aquifer depletion and water contamination are taking place at unprecedented rates. It is therefore essential that any environmentally responsible institution should examine its water use practices. Water auditing is conducted for the evaluation of facilities of raw water intake and determining the facilities for water treatment and reuse. The concerned auditor investigates the relevant method that can be adopted and implemented to balance the demand and supply of water. It is therefore, essential that any environmentally responsible university/ college/ institution examine its water use practices.

The ***Kalindi college*** of Delhi University, uses the water in various ways such as drinking, gardening, kitchen and Toilets, washroom and construction purposes. The Kalindi college uses 50,000 lit. per day water as basic use. However, total use of water in working days is 2000 to 2500 litres per day. The college is being practicing reduction and minimization of water use. Furthermore, the college is also practicing in prevention and leakages of water. There are four basic ways adopted by the college to prevent and minimize water wastage in the college: 1. Close the taps after usage; 2. Maintenance and monitoring of valves in supply system to avoid overflow, 3. Maintain leakage and spillage; 4. Water Conservation awareness for students. It is revealed that record water uses from the college water meter for one year is being practiced. It is also revealed that Kalindi College is recording daily 1574 units working days (Approx.) as running water bill per month and annual water charges paid

for water uses is Rs. 366513 per annum. The Kalindi College is also practicing modern rain water harvesting system and there is one rain water harvesting unit of about 20,000 lit water capacity which was installed in college premises. Besides that, college administration and eco-club organizes various conferences and seminar for water conservation and management. The college administration and eco-club organizes various conferences and seminar for water conservation and management.

Additional information with evidential proof on Water Conservation are attached at Annexure-IV of Annexure report.

V. CARBON FOOTPRINT

1.	Total Number of vehicles used by the stakeholders of the college (per day). Number of visitors with vehicles per day?	During normal days ~ 205 persons uses cars/scooters/motorcycles/cab/taxi/auto/metro everyday No. of visitors per day ~10 to 12 visitors per day during normal days (ANNEXURE-V of ANNEXURE REPORT)
2.	No. of two wheelers used by the staff members and students? (Annual average of fuel used).	~ 18 staff members uses average fuel ~ 120 to 230 litres annually ~ 12-15 students (ANNEXURE-V of ANNEXURE REPORT)
3.	No. of cars used per day by the staff and students of the college? (Annual average of fuel used)	~ 38 staff members uses average fuel ~ 480 to 849 litres annually No students uses car (ANNEXURE-V of ANNEXURE REPORT)
4.	No. of cycles used by the staff members and student and no. of persons using common (public) transportation?	1 faculty member uses cycle No other staff members and students use cycle ~ 195 staff members (teaching + non-teaching) uses Common public transport (Bus/Metro/Auto/Taxi) (ANNEXURE-V of ANNEXURE REPORT)
5.	Number of generators used every day (hours). Give the amount of fuel used per day? (Annual average of fuel used)	1 generator Rarely used
6.	Number of LPG cylinders used in the canteen (Give the amount of fuel used per month and amount spent).	2-3 Blue commercial cylinders in 3 days (~13-14 cylinders per month) Each cylinder weighs 19kg and rates ~900Rs. The canteen has started running from last month of this year. Usage is ~1 Blue commercial cylinder in a week Each cylinder weighs 19kg and rates ~Rs. 1000 (ANNEXURE-V of ANNEXURE REPORT)

7.	Quantity of kerosene/diesel/petrol used in the canteen/labs (Give the amount of fuel used per month and amount spent).	Canteen and labs don't use kerosene/diesel/petrol	
8.	Amount of taxi/auto charges paid and the amount of fuel used per month for the transportation of vegetables and other materials to canteen? (Please state distance travelled in kilometre).	The vegetable dealer (Ankit sood, Azad Mandi) is the Delhi University (DU) recognized dealer. This firm supplies vegetables to DU and all its affiliated colleges and the charges are inclusive of all. (Kalindi College to Azad Mandi distance is-10.5 kms) (ANNEXURE-V of ANNEXURE REPORT)	
9.	Amount of taxi/auto charges paid per month for the transportation of office goods to the college? (Please state distance travelled in kilometre).	The dealer includes transportation charges in their final bill). The vendors who provides office goods and lab materials to college are: 1. Delhi University Co-Operative Store Ltd. 32, chhatra marg, delhi-110007 (13 kms) 2. VL Enterprises-40, pryadarshani apartments, paschim vihar, delhi-110063 (10 kms) 3. SG Enterprises Sudershan park, delhi-110015 (7 kms)	
10.	Use of any other fossil fuels (Coal, wood etc.) in the college (Give the amount of fuel used per day and amount spent).	Fossil fuels are prohibited in the college **(ANNEXURE-V of ANNEXURE REPORT)**	
11.	No. of air conditioners used in Class room, Staff room, faculty room?		
		Library	1 (5 star, voltas)
		Canteen Area	2 (1 split, 1 window)
		Sports Building	4 (5 star, 2 ton hitachi)
		Teacher Cyber Centre	4 (5 star)
		Student Cyber Centre	7 (2 ton)
		Science Building	13 (9 ACs are 5-star)
		TRI Building	13 (2 ACs are 5-star and 3 ACs are 3-star)
		Office Building	17
		Bank	3

Carbon Footprint refers to the potential climatic impact (Global Warming) of the Greenhouse Gases (GHG) emitted directly or indirectly due to an organization's activities. A Carbon Footprint Disclosure of any educational institution is very important to understand such that its key emission sources can be identified and necessary mitigation measures can be adopted for carbon reduction. In today's date, very few colleges disclose their carbon emissions. **Kalindi College, Delhi University** is a college that has taken a first-time initiative to compute its carbon footprint and set a benchmark for other Colleges/Universities. The college has adopted a carbon reduction strategy to undertake this task. Planning, collection of data and estimation of CO_2 following with suggestive measures for reduction. This task was initiated with understanding the intent of management, and was core team was formulated comprising of teachers and students from different departments. Several site visits

and face to face interactions were done with the departments to collect the required data. The study included extensive research on latest emission factors for computing the footprint. Both qualitative and quantitative data was collected from the college and presented in ***Annexure V*****.** An online survey was conducted for capturing data on commuting. The survey was carried out for a month and was rolled out to the teachers, non-teaching staff and students. The following outcomes revealed from Carbon Footprint campaign/work:

1) **GHG Information Management System:** A carbon management team can be established comprising of representatives from teaching staff, students and other non-teaching staff of various departments. The team will enable the college to collect necessary data for computation, measure its carbon performance, to identify and implement improvements, to monitor progress, and internally verify results. The team will also encourage participation and consultation of students, teachers & non-teaching staff throughout the year. The team may also report progress on the performance periodically;
2) **Environmental Policy Formulation:** An environmental policy should be formulated by the Management to commit to adopt sustainable practices at the campus. The policy should be well communicated & displayed across the campus;
3) **Setting of reduction targets:** Based on the baseline and available resources, the college may develop its short / medium / long term reduction targets and plans to achieve the targets;
4) **Green events**: The activities carried out at the campus should be performed in light of low carbon emissions. The team may ensure low carbon products and strategies are adopted for various events;
5) **Carbon Footprint Disclosure (CFD):** With GHG accounting and management systems well in place, the college can demonstrate its best practices at public platforms. Besides recognition, this will be a step towards generating awareness to other universities and colleges to undertake similar disclosures for comparison. Through disclosures there can be an exchange platform developed for institutes to share eco-friendly and energy efficient techniques & equipment to be installed in colleges;
6) **Awarding and labelling Departments**: Eco-club and other department with minimum carbon emissions should be rewarded with eco-friendly labels/batches/medals/trophies/certificates to motivate other departments to work towards the same;

7) **Eco suggestion box:** A suggestion box can be placed at the campus inviting innovative ideas from students/teachers/other staff members for carbon reduction.

Additional information with evidential proof on CARBON FOOT PRINT are attached at Annexure-V of Annexure report.

VI. CLEAN AIR (CAMPUS DESIRABLE AMBIENT AIR)

1.	Are the Rooms in Campus being well ventilated?	Yes				
2.	Window floor ratio of the Rooms	Very Good				
3.	What is the ownership of the vehicles used by your college? (Please Tick only one)		Yes			
		✓	Operator-owned vehicles			
			college -owned vehicles			
			A combination of campus-owned and operator-owned vehicles			
4.	Provide details of school-owned motorised vehicles?	**Buses**	**Cars/ Vans**	**Two Wheelers (Scooter/Motor Bikes) etc.**	**Other**	**Total**
	No. of vehicles					
	No. of vehicles more than five years old	--	--	--	--	--
	No. of Air-conditioned vehicles	--	--	--	--	--
	PUC done	--	--	--	--	--
5.	Specify the type of fuel used by your school's vehicles:	Buses	Cars/ Vans	Two Wheelers (Scooter/Motor Bikes) etc.	Other	Total
	Diesel	--	--	--	--	
	Petrol	--	--	--	--	
	CNG	--	--	--	--	
	LPG	--	--	--	--	

	Electric	--	--	--	--	
6.	Air Quality Monitoring Program (If Any)	Yes, Monitoring is being done by Government Laboratory				
7.	Students suffer from respiratory ailments? (If Any)	No, however, college has created good green buffer to provide clean air/good air for their health.				
8.	Details of Genset	Yes, one silent DG Set The capacities of DG's are 125 KVA (Compliance of EPA, 1986)				
9.	Does the college ban on biomass (Horticulture or Solid waste) burning.	Yes				
10.	Does the college follow Construction and Demolition Rules, 2016?	Yes. However, construction activities have stopped. However, preventive measures to control dust are being taken when the activities is on.				

The real time monitoring is being carried out by Delhi Pollution Control Committee (DPCC) in nearby area and coco-ordinates with CPCB to ensure the consistency of air quality of the area and provides technical and financial support to them for operating the monitoring station. National Air Quality Monitoring network is being operated through various monitoring agencies and large number of personnel and equipment are involved in the sampling, chemical analyses, data reporting etc. It increases the probability of variation and personnel biases reflecting in the data, hence it is pertinent to mention that these data be treated as indicative rather than absolute. Air pollutants viz., Sulphur Dioxide (SO2), Nitrogen dioxides (NO2) and Respirable Suspended Particulate Matter (RSPM/PM10 and PM2.5) Ozone, Ammonia etc. have been identified for regular monitoring at all the locations. The monitoring of meteorological parameters such as wind speed and direction, relative humidity and temperature was also integrated with the monitoring of air quality. The monitoring of pollutants is carried out for 24 hours (Real time sampling for gaseous and particulate pollutants) with a frequency of 1 minute to 1 hour) to comply the national standard. The Air Quality Index of nearby area i.e. Pusa road is ranging between 144-400 **(ANNEXURE-VI of ANNEXURE REPORT).**

Government of NCT-Delhi has created an **Ambience Air Fund** under section 31 A read with Section 17 A of the Air (Prevention & Control of Pollution) Act, which is being operated by Department of Environment to encourage the use of **indigenously manufactured battery-operated vehicles** i.e. four wheelers (cars), three wheelers and two wheelers (mobikes/scooters). From 7th March 2008, Rs 0.25 per litre on sale of diesel in Delhi is deposited by the Oil Marketing Companies into **Air Ambience Fund.** The collected Air Ambience Fund, **29.5 %** of concession in form of subsidy (15%) on base price of vehicle, road tax & registration expense (2%) and Value Added Tax (VAT) refund (12.5%) is being provided by Delhi Government on purchase of battery-operated vehicles. Massive

public awareness has been and is being carried out through print media, workshops, seminars, exhibitions etc. An amount of Rs. 38.47 Crores has been collected as Air Ambience Fund in the FY 2008-09 and Rs. 30.90 crores in the FY 2009-10. About Rs. 4.12 crores (in the FY 2008-09) and Rs. 13.99 crores in the FY 2009-10 have been spent on providing 29.5 % subsidy, VAT refund and Road Tax refund for battery operated vehicles. Till date, more than 24138 mobikes and 142 Reva cars have been provided subsidy through 20 manufacturers and 110 dealers. Twenty-four (24) continuous ambient air-monitoring stations are being installed in Delhi NCT and they are fully functional before and after lockdown.

Additional information with evidential proof on CLEAN AIR are attached at Annexure-VI of Annexure report.

VII – ENVIRONMENTAL LEGISLATIVE COMPLIANCE

1.	Are you aware of any environmental laws pertaining to different aspects of environmental management?	Yes
2.	Does your college have any rules to protect the environment? List possible rules you could include.	No
3.	Dose Environmental Ambient Air Quality Monitoring conducted by the college?	No, but college is regularly keeping track on Continuous Air Quality Monitoring Stations run by DPCC/CPCB near by areas of the college.
4.	Dose Environmental Water and Wastewater Quality monitoring conducted by the Institute?	Yes
5.	Dose stack monitoring of DG sets conducted by the Institute/or through Accredited laboratory?	Yes
6.	Is any warning notice, letter issued by state government bodies?	No
7.	Dose any Hazardous waste generated by the college? If yes explain its category and disposal method	No
8.	Dose any Bio medical waste/Electronic waste generated by the college? If yes explain its category and disposal method	Yes, it is being disposed though the authorized external agency/vendors.

The Kalindi college is well aware about the India's efforts on Protection of environment. Nevertheless, India is the first country, which has made provisions for the protection and improvement of environment in its Constitution. In the 42nd amendment to the Constitution in 1976, provisions to this effect were incorporated in the Constitution of India with effect from 3rd Jan, 1977. In the Directive Principles of State Policy in Chapter IV of the Constitution, Article 48-A was inserted which enjoins the State to make endeavor for protection and improvement of the environment and for safeguarding the forest and wild life of the country. Another landmark provision in respect of environment was also inserted, by the same amendment, as one of the Fundamental Duties of every citizen of India. This is the provision in Article 51-A (g) of the Constitution. It stipulates that it shall be the duty of every citizen of India 'to protect and improve the natural environment including forests, lakes, rivers and wild life and to have compassion for living creatures. There were provisions already existing in various enactments to tackle environmental pollution. The Indian Penal Code, The Criminal Procedure Code, The Factories Act, The Indian Forest Act, The Merchant Shipping Act, etc. have provisions for regulation and legal action for some specific environmental issues. However, with our country's emerging environmental scenario with industrialization in the post-independence era, these were found either inadequate or being not effectively applicable to check the degradation of our environment. After the Stockholm Conference on Human Environment in June,1972, it was considered appropriate to have uniform laws all over the country for broad environmental problems endangering the health and safety of our people as well as of our flora and fauna. The Water (Prevention and Control of Pollution) Act, 1974, is the first enactment by the Parliament in this direction. This is also the first specific and comprehensive legislation institutionalizing simultaneously the regulatory agencies for controlling water pollution. The Pollution Control Boards at the Centre and in the States came into being in terms of this Act. Another related legislation enacted was the Water (Prevention and Control of Pollution) Cess Act, 1977 in order to conserve this vital natural resource and to augment the finance of these regulatory agencies. Thereafter, The Air (Prevention and Control of Pollution) Act was likewise enacted in the year 1981 and the task of implementation of this legislation was also entrusted to the same regulatory agencies created under the Water (Prevention and Control of Pollution) Act, 1974. As the Water (Prevention and Control of Pollution) Act and the Air (Prevention and Control of Pollution) Act were designed to deal with only water and air pollution problems, it was in the year 1986 that the Parliament enacted a comprehensive or umbrella legislation for environment in its entirety. This is the Environment (Protection) Act, 1986. The responsibility for implementation of provisions of the

Environment (Protection) Act has to a large extent been entrusted to the same regulatory agencies created under the Water (Prevention and Control of Pollution) Act, 1974. Other agencies besides the Central and State governments are also entrusted with the responsibility of implementing specific provisions of this Act and the Rules made there under depending on their operational requirements.

Over the years, several amendments have also been made in the various existing statutes to meet the requirements of the unfolding environmental issues. The Indian Forests Act, The Forests (Conservation) Act, The Factories Act, The Wild Life Protection Act, The Mines and Mineral (Regulation and Development) Act, The Industrial Development and Regulation Act and the Atomic Energy Act among others, have undergone such amendments. These Acts, being the responsibility of agencies other than Pollution Control Boards for implementation are not of day-to-day concern for the Boards and, therefore, have not been covered in the present volume designed for ready reference by the functionaries of the Boards and others concerned with them. (**Annexure-VII of Annexure report).**

Additional information on Environmental Legislation is attached at Annexure-VII of Annexure report.

VIII –SOCIAL WELFARE & COMMUNITY OUTREACH & GENERAL ASPECTS

1.	Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes
2.	Does your college have any rules to protect the environment? List possible rules you could include.	No only following Govt. Rules and Notification issued time to time by Govt. agencies.
3.	Does housekeeping schedule in your campus?	Yes, Swatch Bharat movement
4.	Are students and faculties aware of environmental cleanliness ways? If Yes Explain	Yes, periodically pollution reduction, plantation, energy conservation awareness campaigns carried out by college.
5.	Does Important Days Like World Environment Day, Earth Day, and Ozone Day etc. eminent in Campus?	Yes
6.	Does college participated in National and Local Environmental Protection Movement?	Yes, Swatch Bharat Abhiyan by students at campus.
7.	Does college have any Recognition/ certification for environment friendliness?	No, however, college is participating Eco-club programmes organized by Govt. of NCT, Delhi.
8.	Does college use renewable energy?	Yes
9.	Does college conduct a green/ environmental audit of its campus?	No, this is first environmental audit done by college.

10.	Has the college been audited / accredited by any other agency such as NABL, NABET, TQPM, NAAC etc.?	No only NAAC.

Additional information with evidential proof on SOCIAL WELFARE & COMMUNITY OUTREACH are attached at Annexure-VIII of Annexure report.

BEST PRACTICES ADOPTED IN KALINDI COLLEGE/ INITIATIVES FOR PROTECTION OF LOCAL/REGIONAL ENVIRONMENT	
	
A	**Renewable Energy** **I.** Adoption of Cycling practices for Carbon Foot Print. **II.** Annual Sports activity better health of students and staff. **III.** Solar water Heater at Kalindi College campus. **IV.** A clean source of energy is utilized at campus.

	V. Efforts towards **Carbon Neutrality.** **VI.** The Solar plant on building roofs is commissioned and operational that will supply approx. 30% of total power in campus.	
B	**Biodiversity Conservation** Flora and fauna conservation	It is in schedule plan of Campus Environment committee
C	**Tree Plantation Drives** Two Drives Annually as well as every guest is honored by Tree Plantation at Campus.	Yes
d	**Ground Water Recharge** Through Rain Water Harvesting System.	Yes
E	**Pollution Reduction** Promoting battery operated vehicles (Students) and using public transport by students and staff at campus	Reduction in Air Pollution through vehicular emissions.
F	**E-Waste Management** Old Computers donated to Government School	Authorized recycler
G	**Solid Waste Management** Lifting of garbage from Kalindi College campus on alternate day by Municipal Corporation.	Yes
H	**Water Conservation**	Yes, the water used for gardening in campus.

AREA OF IMPROVEMENTS

- Campus environment policy should be developed and adopted for environmental sustainability.
- Campus Biodiversity should be maintained and recorded properly.
- Metering of Water from bore well and other sources in different uses are not available. However, water meter should be installed and maintain for inventory of water uses.
- Water conservation practices should be implemented properly.
- Recycling of waste water system.
- Storage of chemicals like; paints, gums resins, oils, lubricants, acids etc. in designated place and safety/warning signs should be displayed.
- Waste Management plan should be prepared for the campus.
- Construction and demolition waste should be maintained as C&D Rules, 2016.
- Laboratory waste management policy should be developed and implemented properly.
- Plastic usage can be reduced in college campus.
- The monthly inventory of e-waste is required to be maintained in formats on regular basis.
- Environmental monitoring and quality assessment should be ensured on regular basis.
- College activity including transport, fuel uses and electricity should be maintained effectively aiming overall reduction in carbon foot print.

- Community Environmental Awareness programme should be regularly organised by the college.

RECOMMENDATIONS

- Efficient construction waste management.
- Increase capacity of Solar panels to generate more electricity.
- Development of additional rain water pits should be developed in the campus wherever possible and maintain it regularly.
- Set up water recycling unit where the recycled water can be used for gardening in college.
- Display boards of flora and fauna diversity to generate enthusiasm for learners.
- Organize earn while learn eco-friendly program.
- Organize community outreach program for environmental awareness.
- Training and awareness of environmental legislation should be organized for faculty staff and students.
- Collaborate with waste management agency for hazardous waste management.
- Replace tube lights and bulbs with energy efficient LEDs.
- More energy efficient air conditioners and coolers should be used in the college camp.

ANNEXURE REPORT

OF GREEN AUDIT

for

KALINDI COLLEGE

ANNEXURE-I

Operational Structure of Waste Management in Kalindi College

The College has a well-structured functional committee for the waste management in the college campus. The committee consists of three sub-committees *i.e.*

(i) Solid Waste management committee
(ii) e-Waste management committee
(iii) Write-Off committee

Solid waste committee, e-waste committee and write off committee will look after all the disposal of general goods, disposal of e-wastes and disposal of technical goods respectively.

All the departments were asked to submit the status report on stock checking and the proformas for waste disposal under the three mentioned categories viz. general goods, e-waste and technical goods.

The waste collected from all the departments were marked/tagged according to item list provided by all departments and was kept at the designated locations (TRI 1, TRI 2, TRI 3, cyber center and sangamparisar) in the college. E-auction of the waste through MSTC (Metal Scrap Trade Corporation), e-auction through Government of India. Summary of waste generated in the college campus is given below.

Summary of waste generated in the college campus

Category of Waste	Waste generated (Yes/No)	Quantity
E Waste/ Hazardous Waste (toxic)	Only e-waste is generated	No data available
Solid Waste	Yes	No data available
Dry Leaves	Yes	Total = 760 kg For details refer to ANNEXURE1
Canteen Waste	Yes	No data available
Liquid Waste	Yes	Quantity- 107.8 litres and 86kg For details refer to ANNEXURE1
Glass	Yes	Quantity-205 unit For details refer to ANNEXURE1

Unused Equipment (Technical waste)	Yes	No data available
Medical Waste	No	NIL
Napkins Others	Yes	Approx. 200 kg pre-covid
Sanitary Napkins	Yes	Approx. 144*number of female=230400 pre-covid

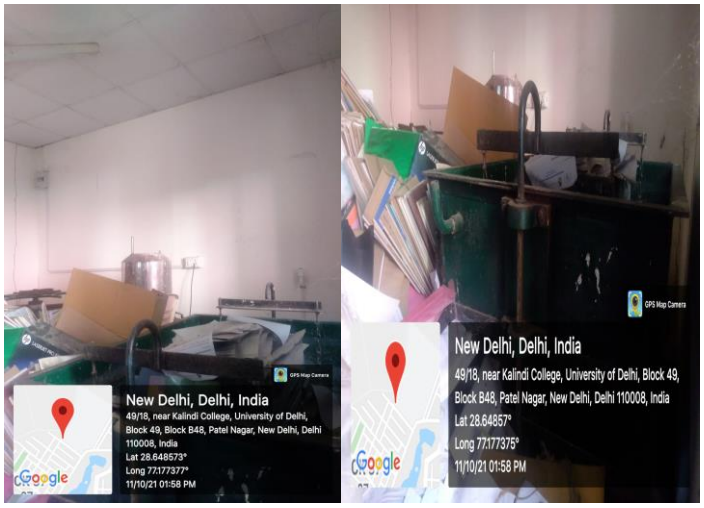
Summary of targeted waste management strategy in the college campus

Waste Materials	Specifications
Hazardous Wastes of Laboratories	Biohazard dustbins are placed outside Zoology lab (proof attached)
Plastic Waste	Plastic waste is collected in dustbins; College has team of contractual staff who manage disposal of wastes; the waste is dumped in nearby municipal dump yard
Medical Waste	No medical waste is generated by the college
Electronic Waste	Norms for proper disposal of electronic waste prescribed by GOI, India are followed. Recently the college has registered itself on

	Metal Scrap Trade Corporation (MSTC) and is under the process of auctioning e-waste, solid waste etc.
Chemical Waste (paints, cleaning materials etc.) used in campus maintenance	Chemical waste generated in the campus is stored in specific container and handed over to waste management agencies

Summary of specific waste recycling strategy in the college campus

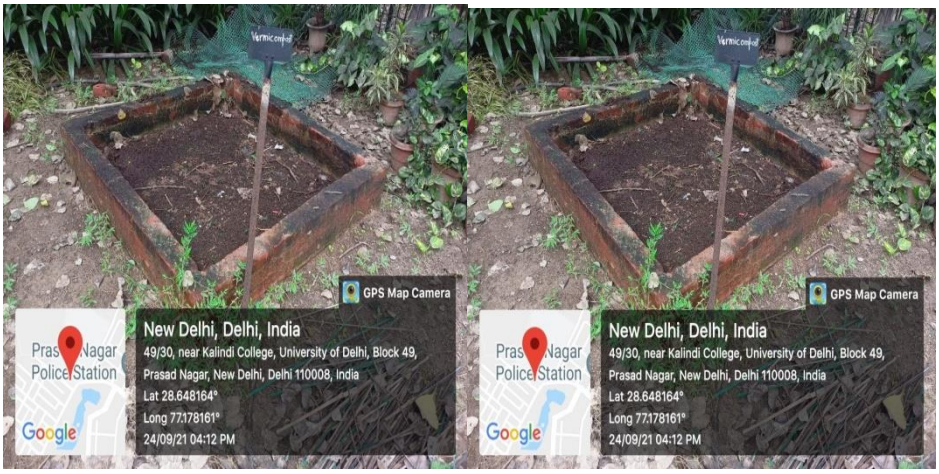
1. *Paper Recycling Machine, Kalindi College*
   College is equipped with a paper recycling machine. Paper used for various academic purposes are recycled for secondary purposes.



2. **Composting-**

A composting machine is present in the Garden area that effectively uses organic plant waste to produce manure which is free of any chemical fertilizer, which is then used as biofertilizers in the college gardens.

3. **Vermicomposting** : A vermicompost pit is present in the Herbal Garden that effectively uses organic plant waste to produce manure which is free of any chemical fertilizer, which is then used as biofertilizers in the college gardens.Due to Covid pandemic and non functionality of paper recycling machine (incapability to maintain it during lockdown) at present college is not using recycled paper.



4) Biological Waste disposal :

a) College has installed color coded garbage but they are not marked wet and dry except one which is kept in the front of the Zoology lab.

b) College has installed sanitary pad incineration unit

5) Waste wealth programme:

The Library, Kalindi College has signed an agreement with JAAGRUTI under its 'Paper Waste Management and Recycling Initiative'. This initiative is a non-monetary initiative that revolves around an in-kind exchange of recycled paper products against the quantities of various grades of paper collected from the institutions for the purpose of recycling. Please refer for detailed document in Annexure 2

a) Drive against single use plastic : Mask Collection Drive organized by EnactusKalindi

EnactusKalindi conducted a mask collection drive wherein we put up boxes in various areas across Delhi NCR to collect single use plastic masks that help to combat the surge in the biomedical waste generated during the pandemic. The collected masks were then sent to Mr Binish and his team who in turn cycled those masks to eco bricks.

(b) Zero waste initiative :

- Use of biodegradable/recyclable cups and plates in the canteen
- Promoting use of recycled papers for all the official works in the college
- Establishing more vermicomposting units
- Planning a solid waste management system
- Practicing method of waste segregation
- Setting up waste incinerator machines
- Establishing biogas plant
- Establishing a wastewater treatment plant. Reusing wastewater for toilet flushes after the proper treatment

Waste /management committee, Kalindi College, Delhi

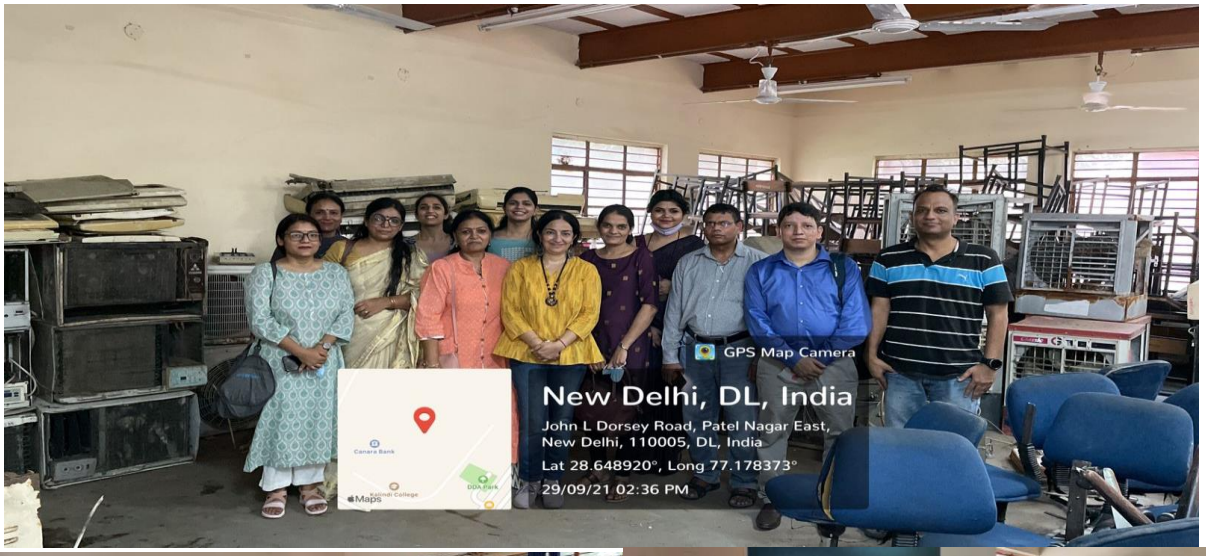


Plate-01:Pictures of all wastes collected from all departments, office, library, cyber centre, Sangam Parisar

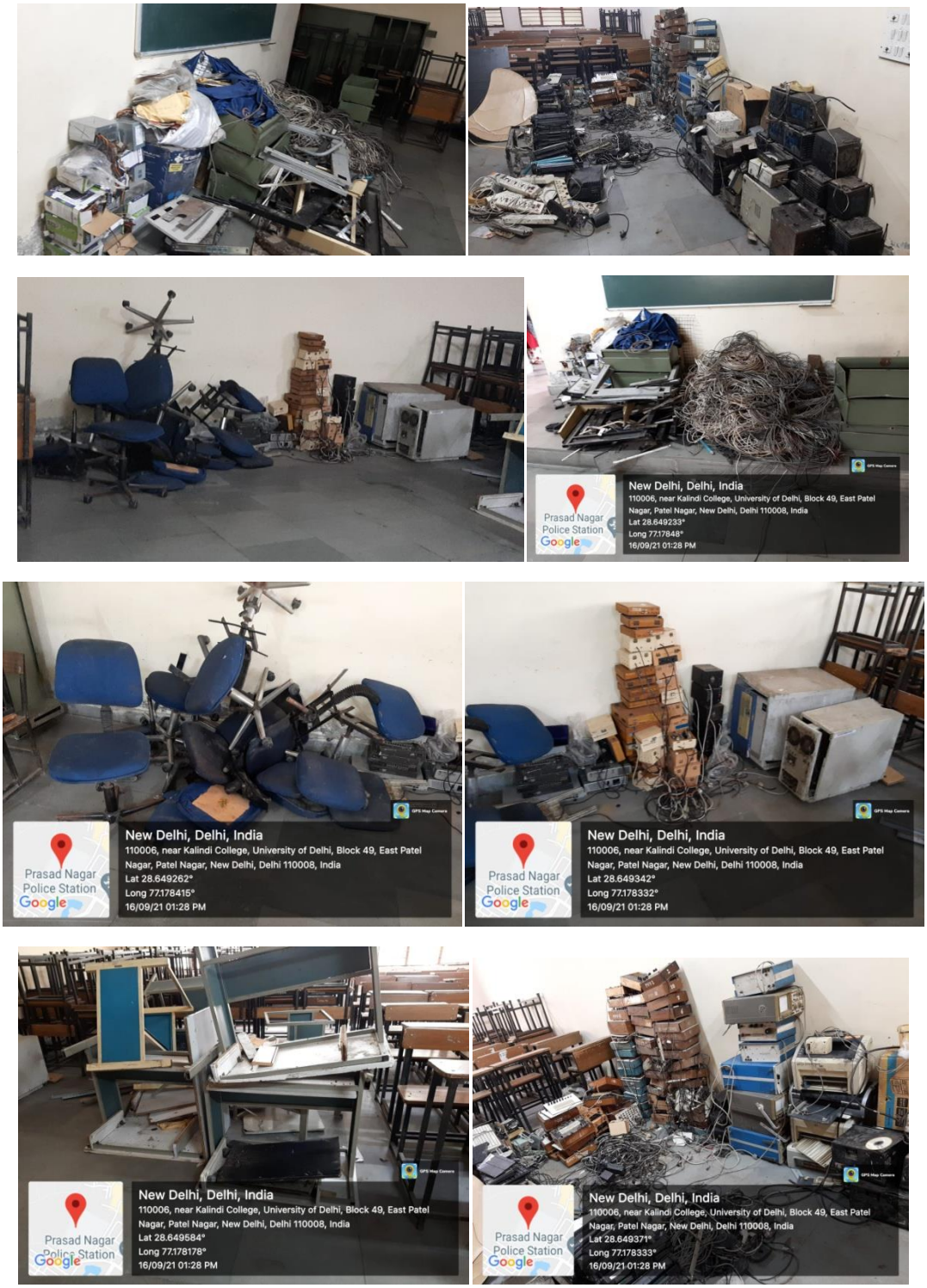


Plate-02:Pictures of all wastes collected from all departments, office, library, cyber centre, Sangam Parisar

Plate-03:Pictures of all wastes collected from all departments, office, library, cyber centre, Sangam Parisar

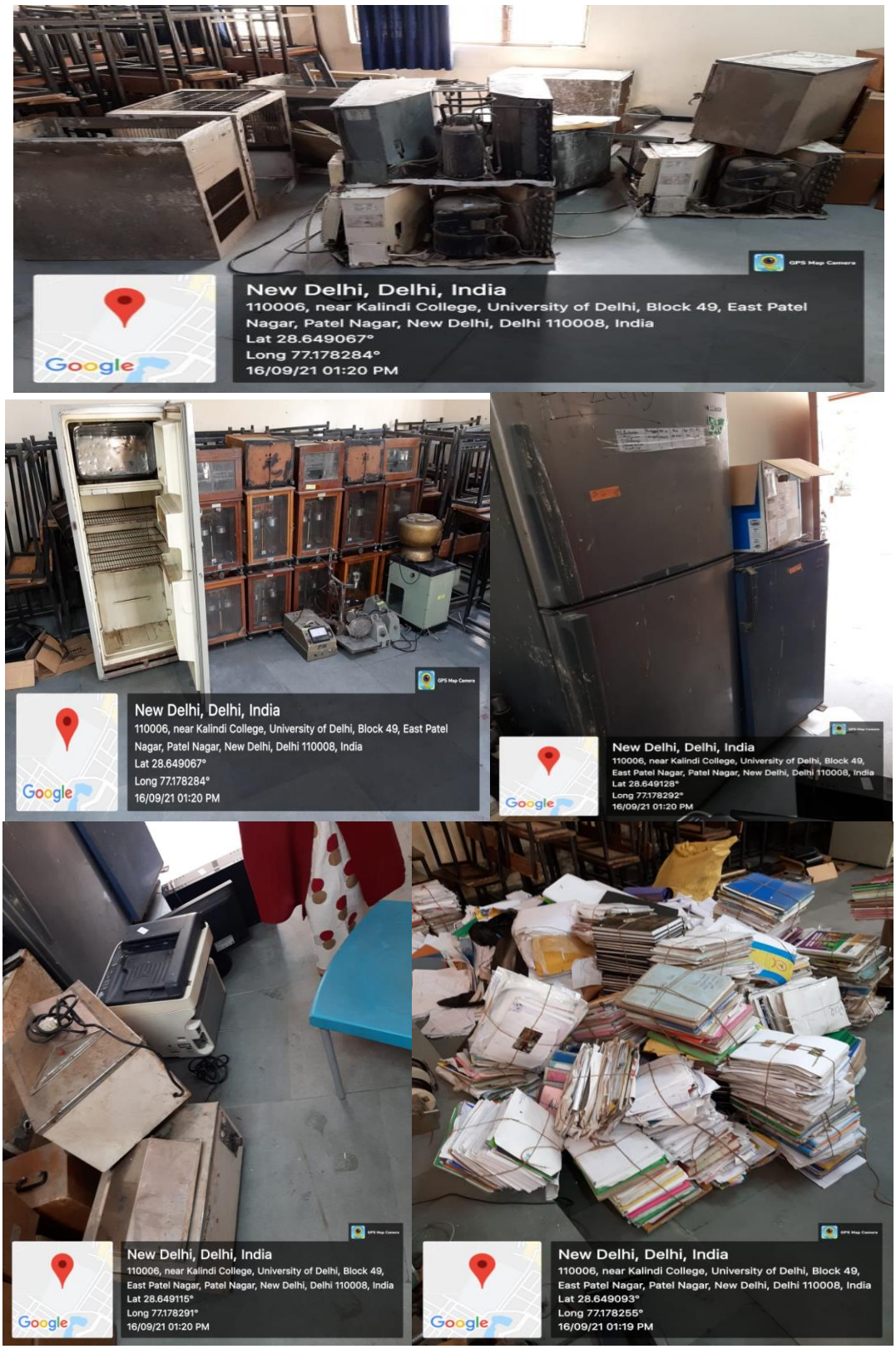


Plate-04:Pictures of all wastes collected from all departments, office, library, cyber centre, Sangam Parisar

Plate-05:Pictures of all wastes collected from all departments, office, library, cyber centre, Sangam Parisar

Plate-06:Pictures of all wastes collected from all departments, office, library, cyber centre, Sangam Parisar

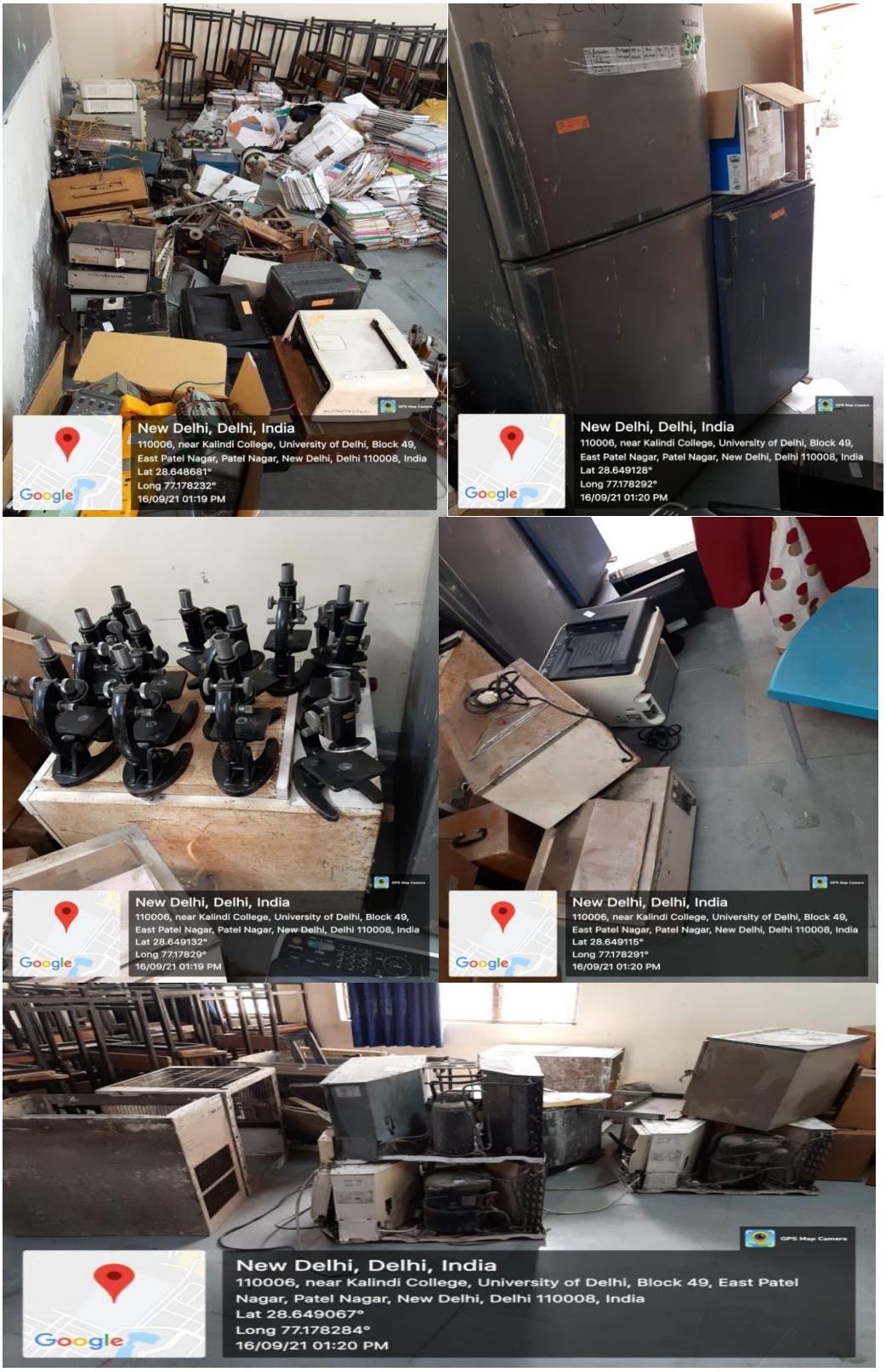


Plate-07:Pictures of all wastes collected from all departments, office, library, cyber centre, Sangam Parisar

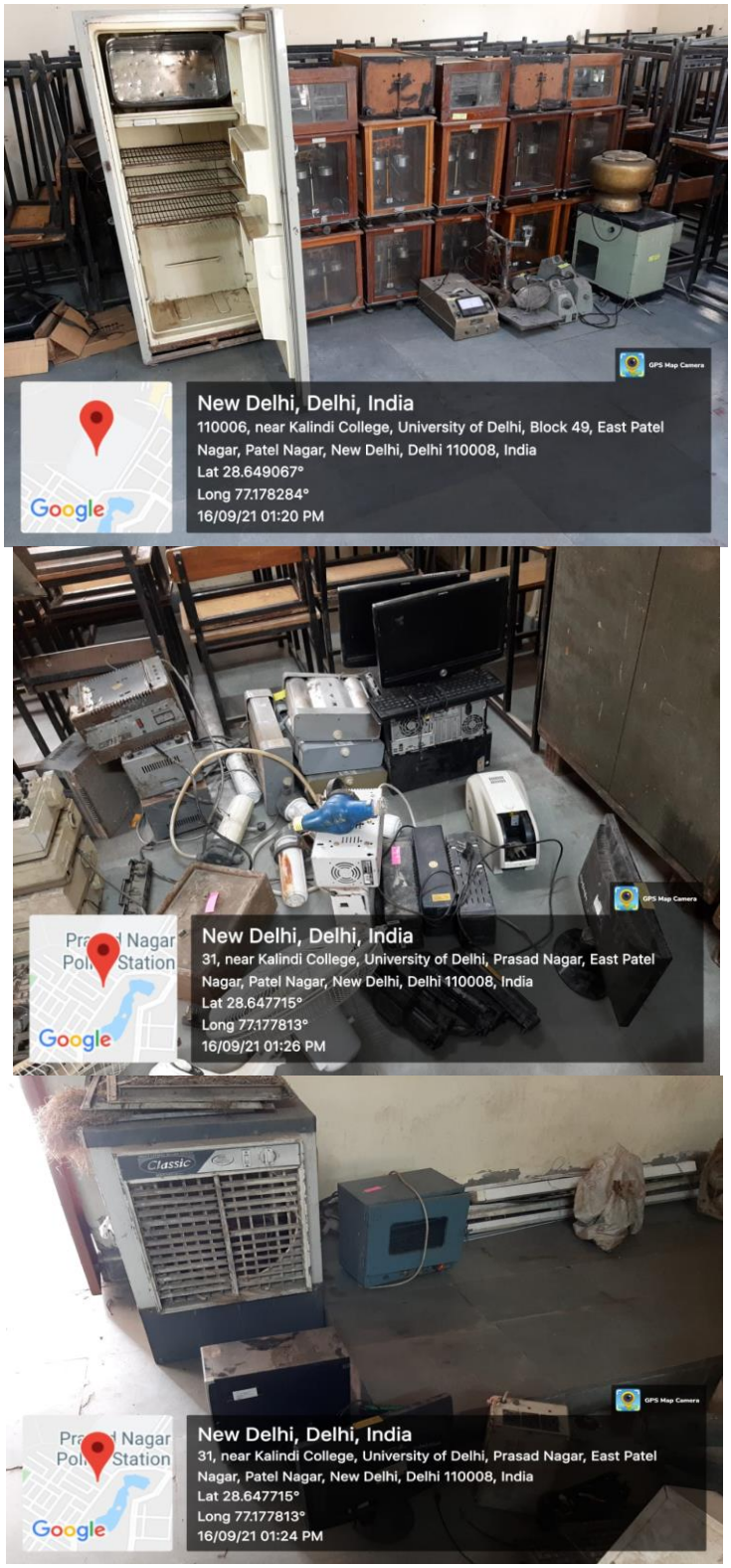


Plate-08:Pictures of all wastes collected from all departments, office, library, cyber centre, Sangam Parisar

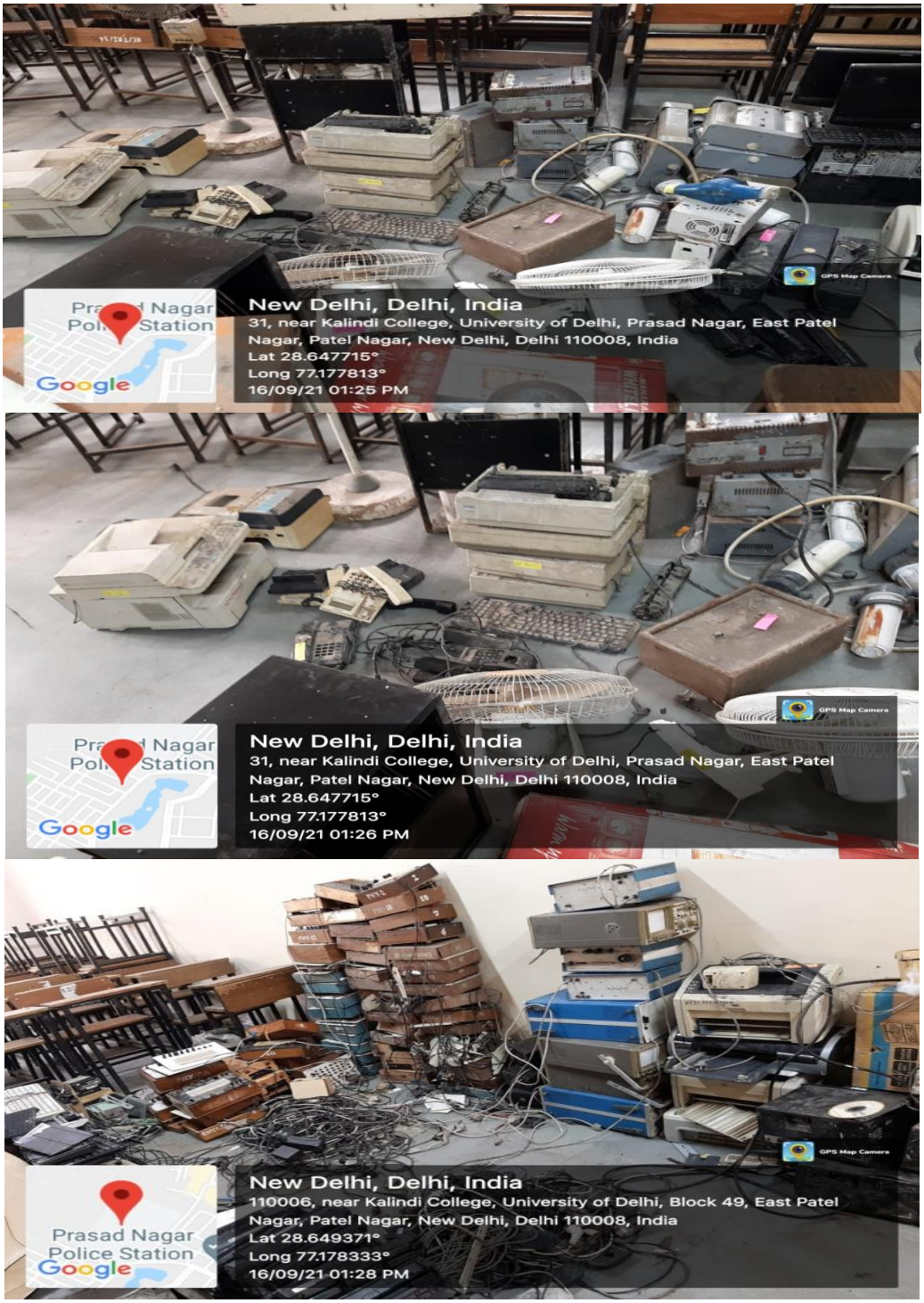
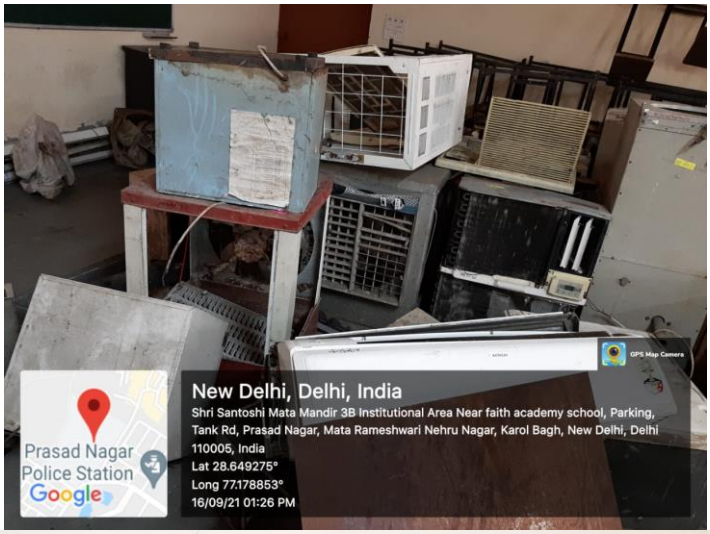


Plate-09:Pictures of all wastes collected from all departments, office, library, cyber centre, Sangam Parisar



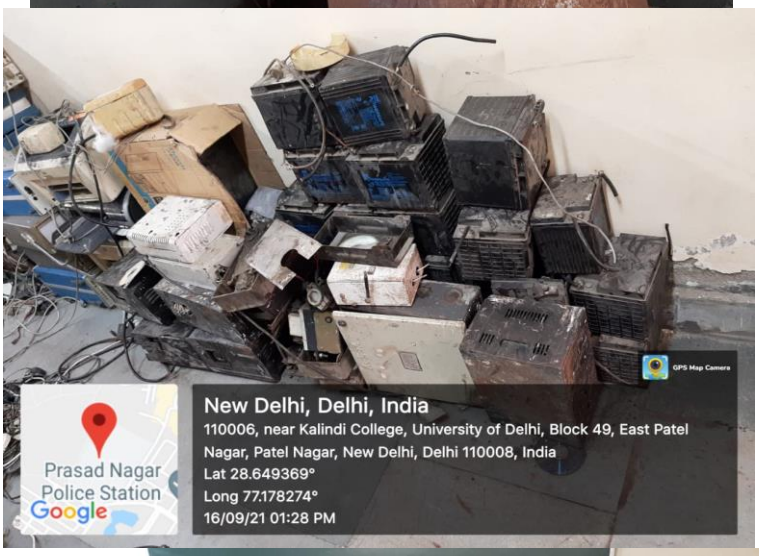


Plate-10:Pictures of all wastes collected from all departments, office, library, cyber centre, Sangam Parisar

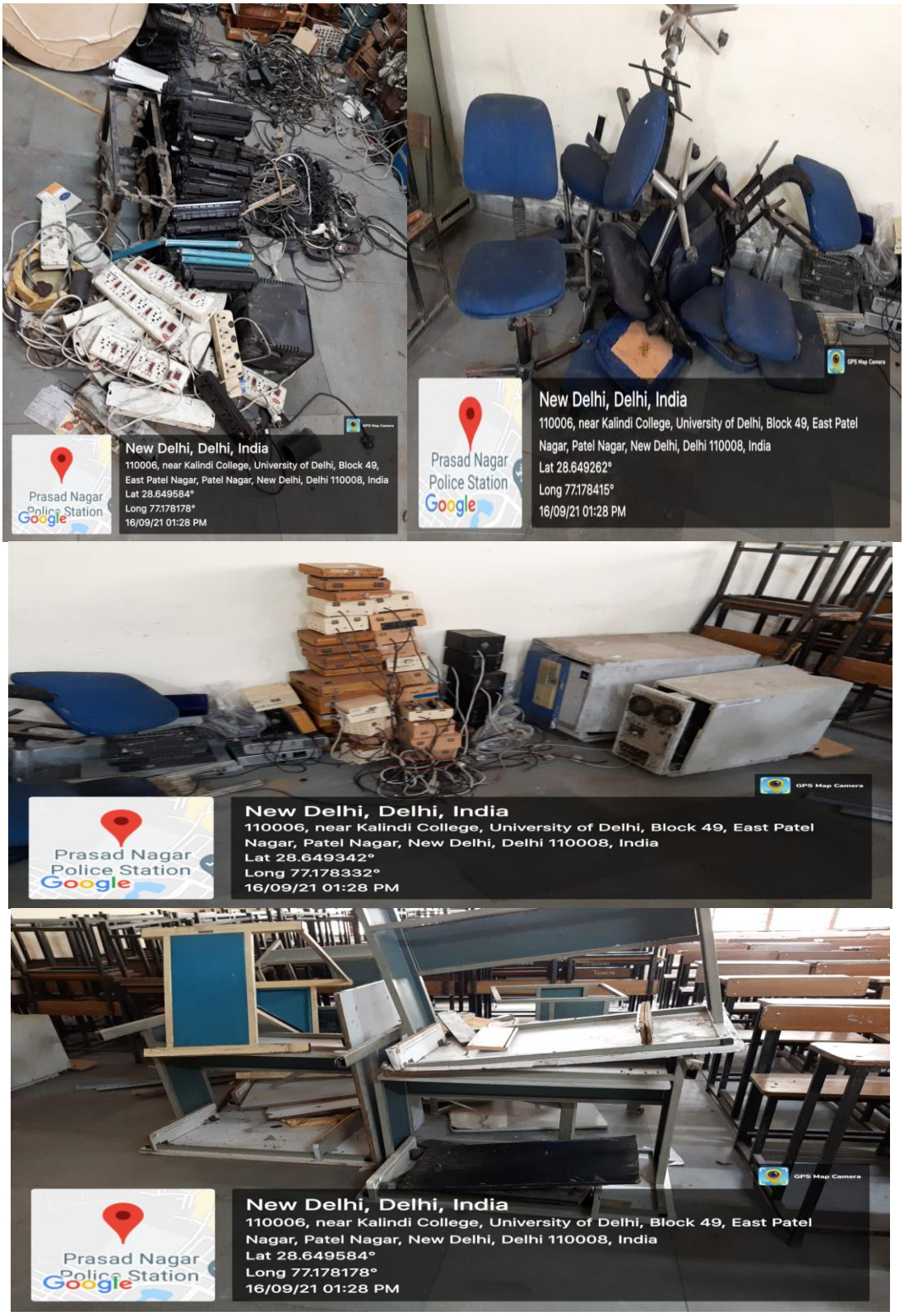


Plate-11:Pictures of all wastes collected from all departments, office, library, cyber centre, Sangam Parisar

Meeting with Consultant, Delhi University Store

Plate-12:Pictures of all wastes collected from all departments, office, library, cyber centre, Sangam Parisar

Plate-13:Pictures of all wastes collected from all departments, office, library, cyber centre, Sangam Parisar

Pictures of various vendors visited college premises for waste

Plate-14:Pictures of all wastes collected from all departments, office, library, cyber centre, Sangam Parisar

Plate-15:Pictures of all wastes collected from all departments, office, library, cyber centre, Sangam Parisar

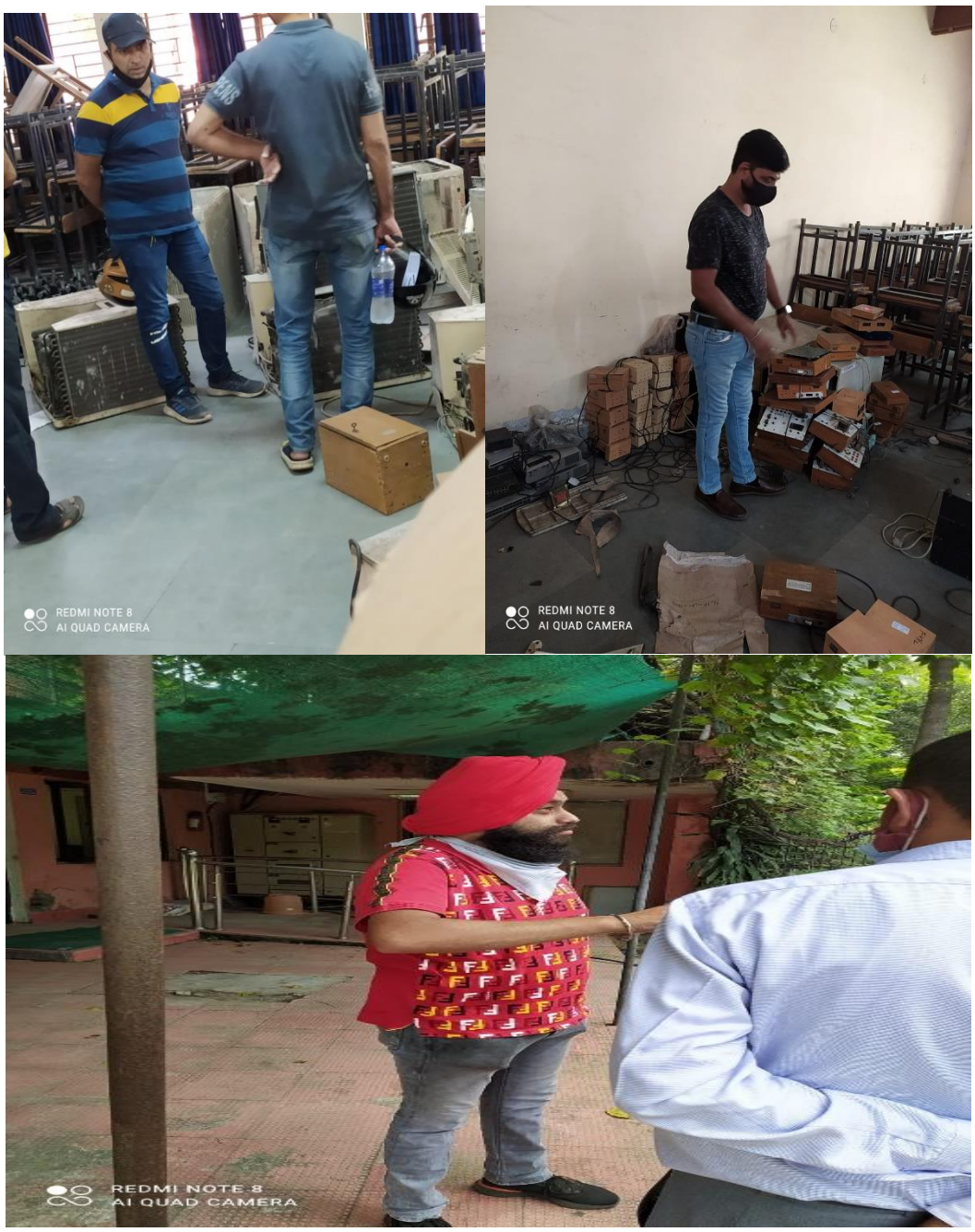
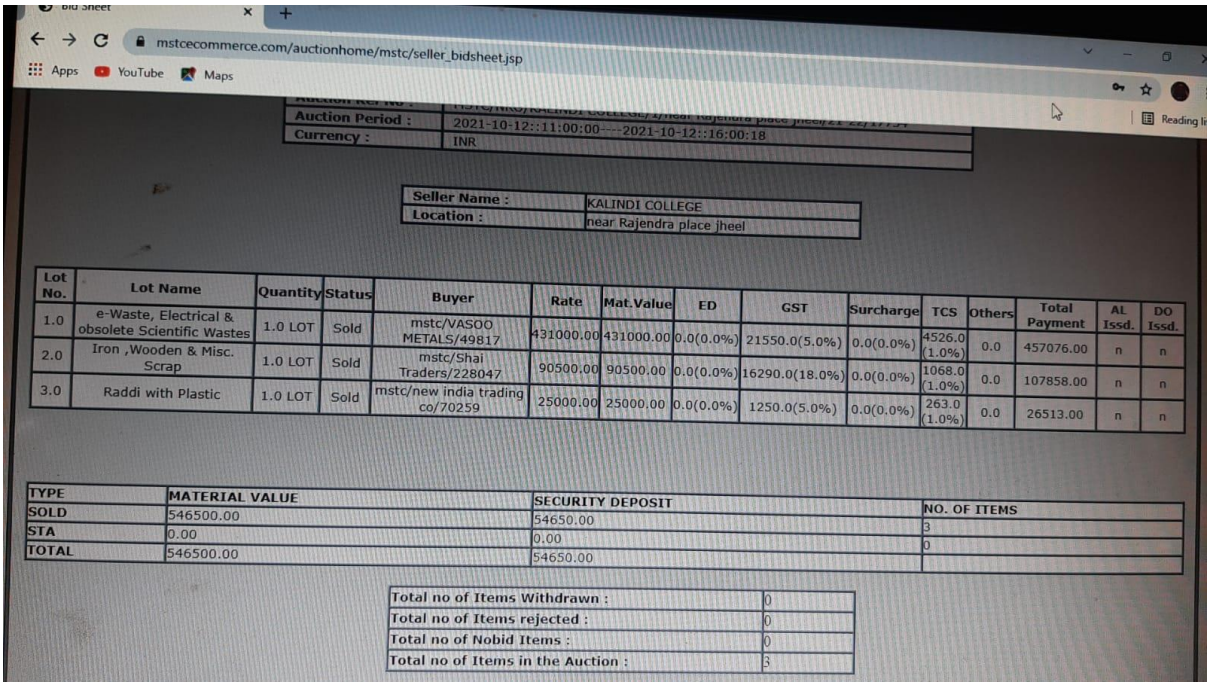


Plate-16:Pictures of all wastes collected from all departments, office, library, cyber centre, Sangam Parisar

Final Selected vendor list as per MSTC mail (portal)



mstcecommerce.com/auctionhome/mstc/seller_bidsheet.jsp

Apps YouTube Maps

Auction Period :	2021-10-12::11:00:00----2021-10-12::16:00:18
Currency :	INR

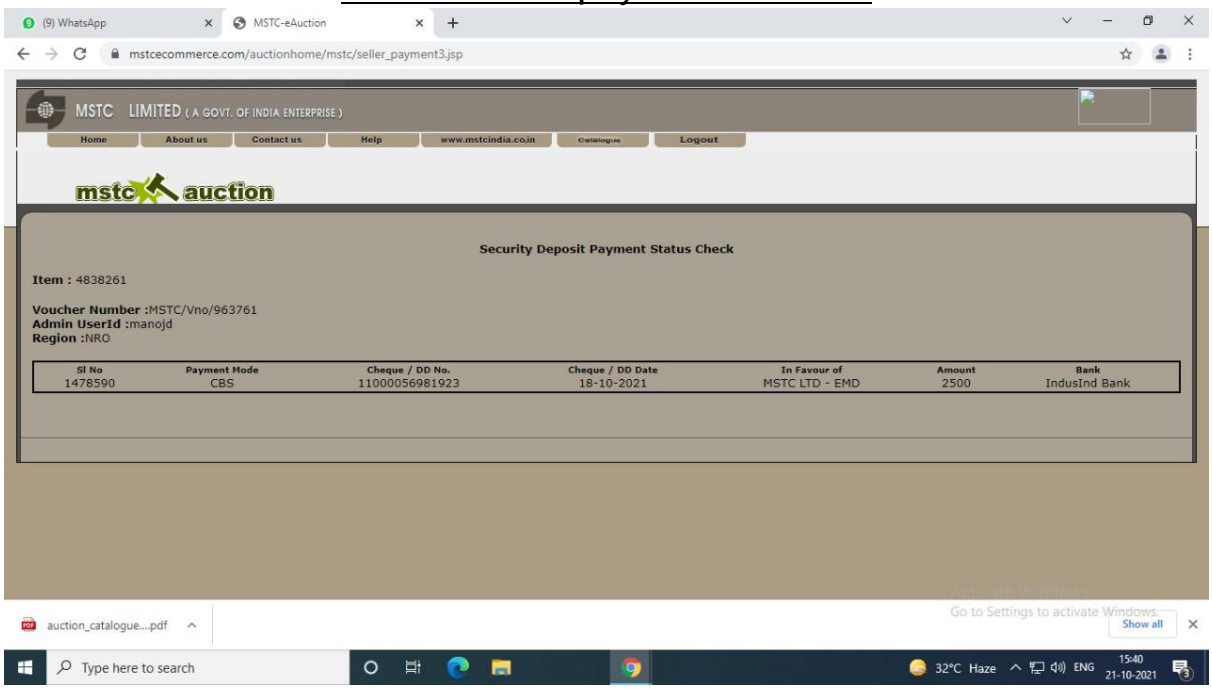
Seller Name :	KALINDI COLLEGE
Location :	near Rajendra place jheel

Lot No.	Lot Name	Quantity	Status	Buyer	Rate	Mat.Value	ED	GST	Surcharge	TCS	Others	Total Payment	AL Issd.	DO Issd.
1.0	e-Waste, Electrical & obsolete Scientific Wastes	1.0 LOT	Sold	mstc/VASOO METALS/49817	431000.00	431000.00	0.0(0.0%)	21550.0(5.0%)	0.0(0.0%)	4526.0 (1.0%)	0.0	457076.00	n	n
2.0	Iron ,Wooden & Misc. Scrap	1.0 LOT	Sold	mstc/Shai Traders/228047	90500.00	90500.00	0.0(0.0%)	16290.0(18.0%)	0.0(0.0%)	1068.0 (1.0%)	0.0	107858.00	n	n
3.0	Raddi with Plastic	1.0 LOT	Sold	mstc/new india trading co/70259	25000.00	25000.00	0.0(0.0%)	1250.0(5.0%)	0.0(0.0%)	263.0 (1.0%)	0.0	26513.00	n	n

TYPE	MATERIAL VALUE	SECURITY DEPOSIT	NO. OF ITEMS
SOLD	546500.00	54650.00	3
STA	0.00	0.00	0
TOTAL	546500.00	54650.00	

Total no of Items Withdrawn :	0
Total no of Items rejected :	0
Total no of Nobid Items :	0
Total no of Items in the Auction :	3

Proof of initial payment received



(9) WhatsApp | MSTC-eAuction

mstcecommerce.com/auctionhome/mstc/seller_payment3.jsp

MSTC LIMITED (A GOVT. OF INDIA ENTERPRISE)

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mstc auction

Security Deposit Payment Status Check

Item : 4838261

Voucher Number :MSTC/Vno/963761
Admin UserId :manojd
Region :NRO

Sl No	Payment Mode	Cheque / DD No.	Cheque / DD Date	In Favour of	Amount	Bank
1478590	CBS	11000056981923	18-10-2021	MSTC LTD - EMD	2500	IndusInd Bank

auction_catalogue....pdf

Go to Settings to activate Windows. Show all

Type here to search | 32°C Haze | ENG | 15:40 21-10-2021

Plate-17: Final Selected vendor list as per MSTC mail (portal)

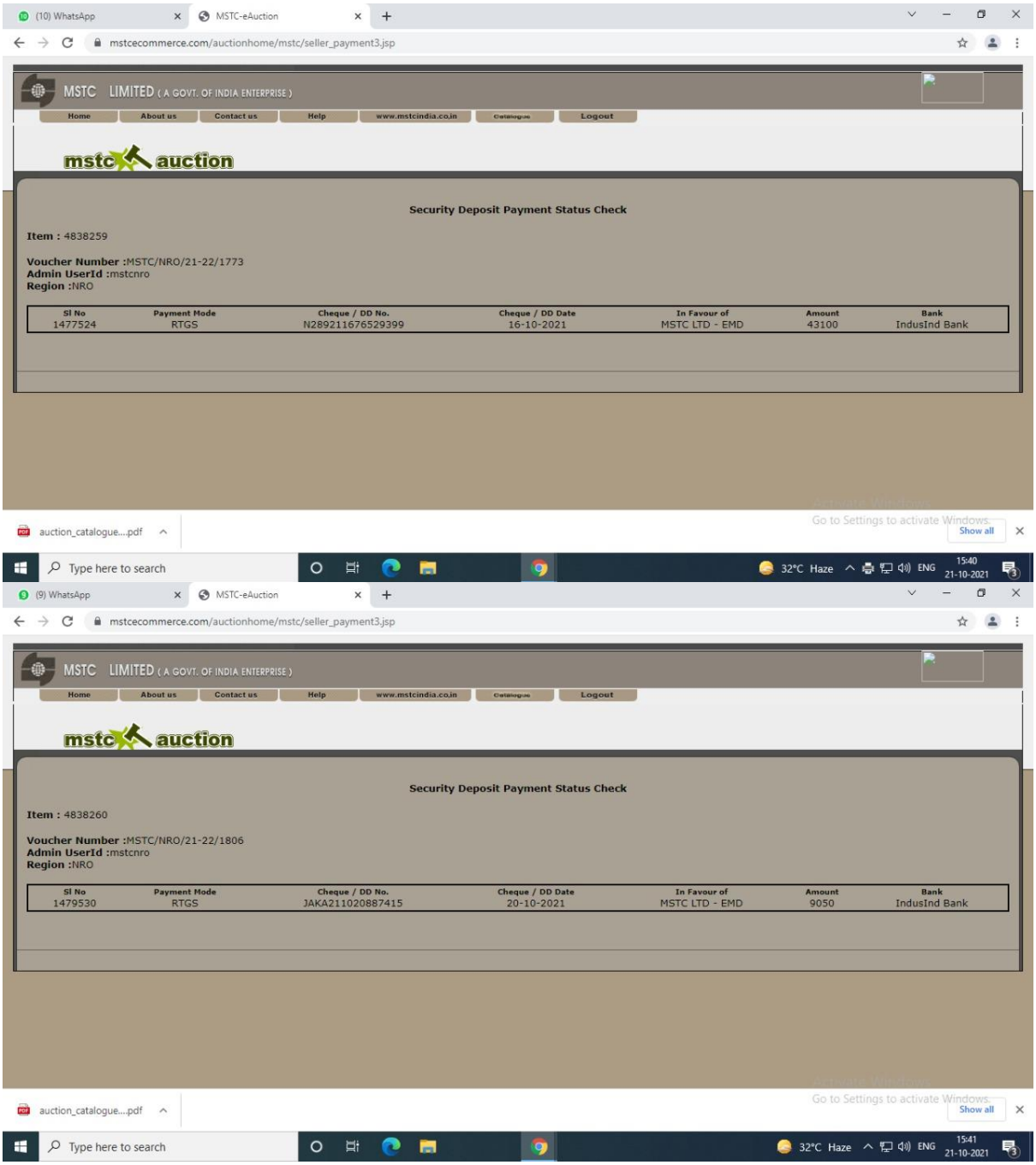

Plate-18: Final Selected vendor list as per MSTC mail (portal)

Lifting of wastes from college by selected vendors

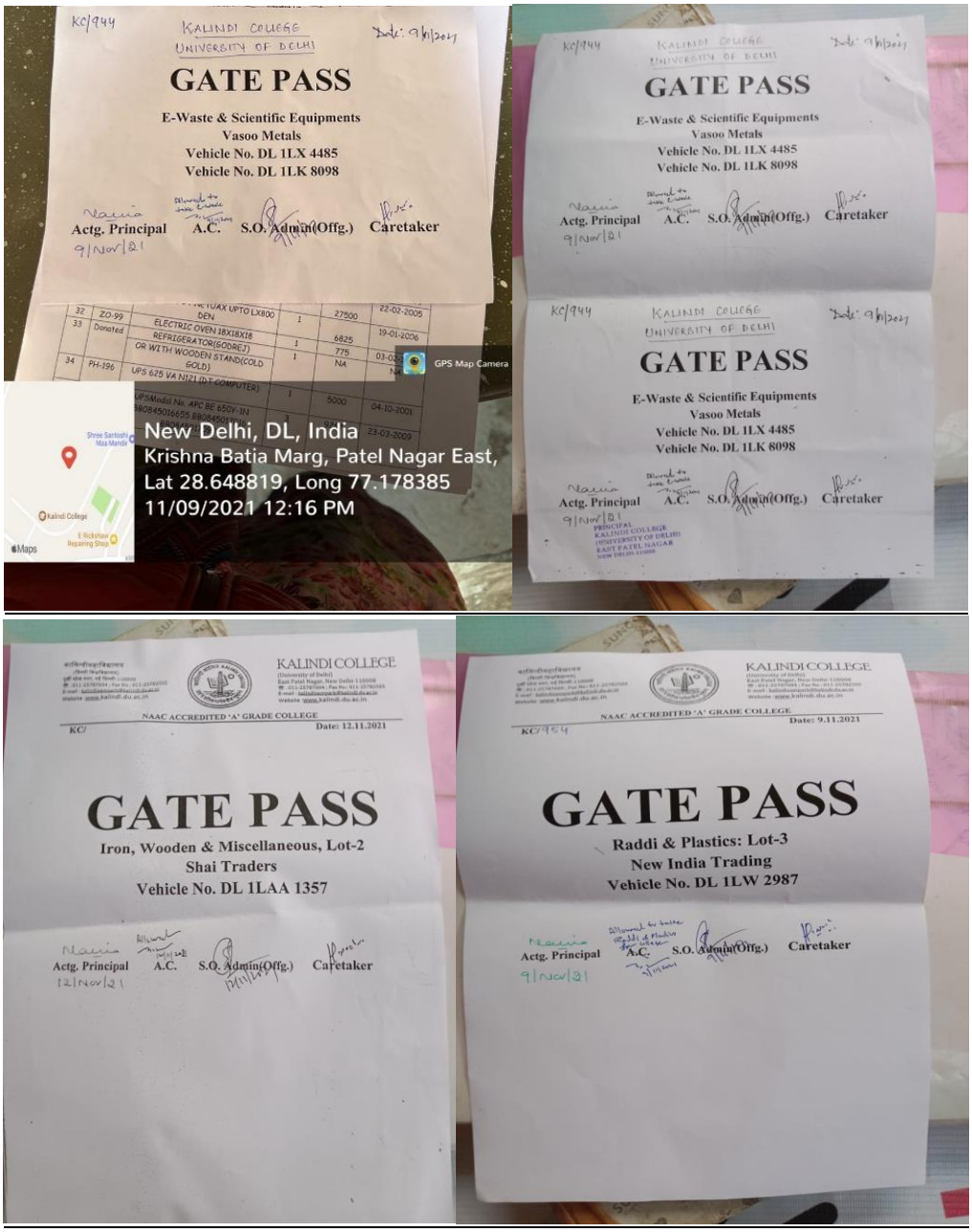

Plate-19: Final Selected vendor list as per MSTC mail (portal)

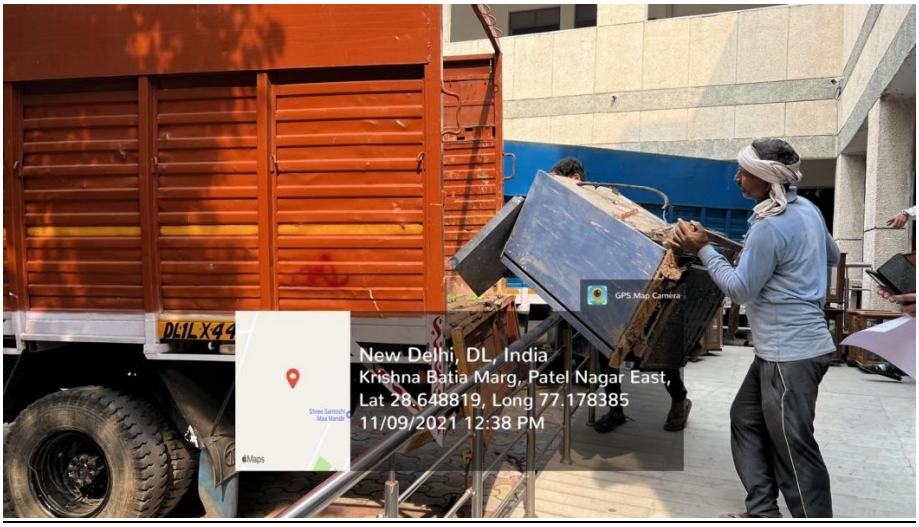

Plate-20: Final disposal of Waste through vendors

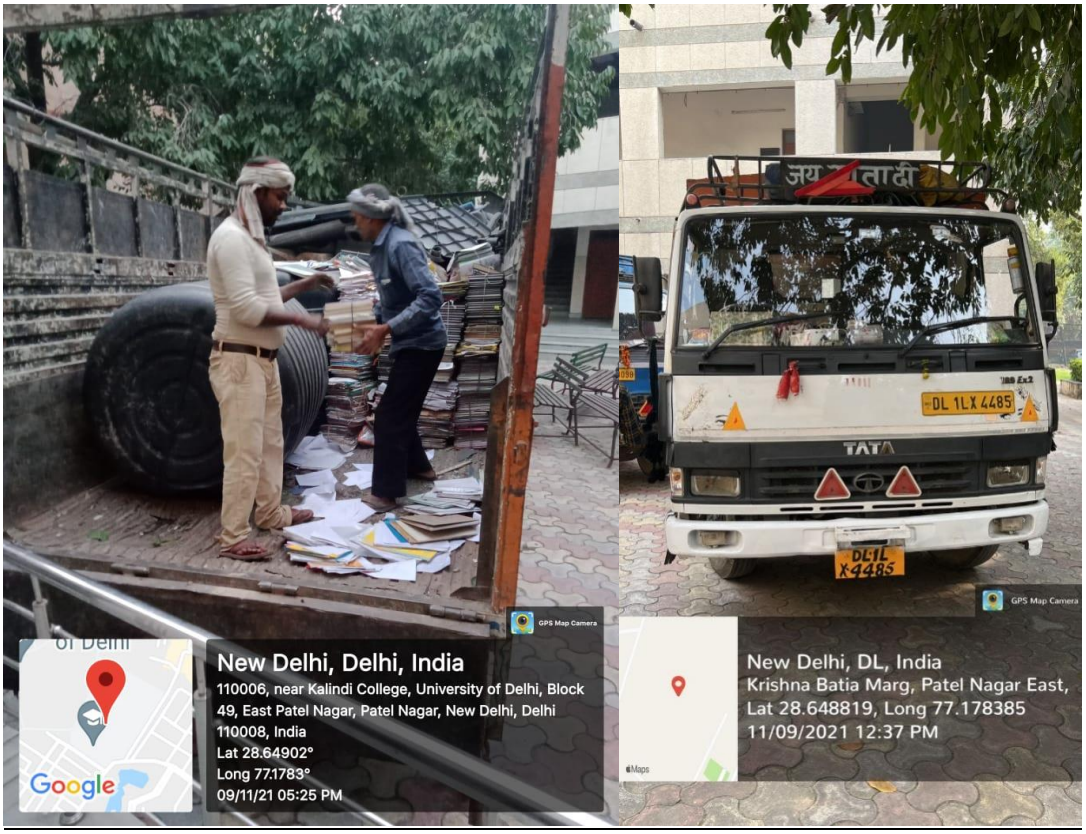

Plate-21: Final disposal of waste through vendors

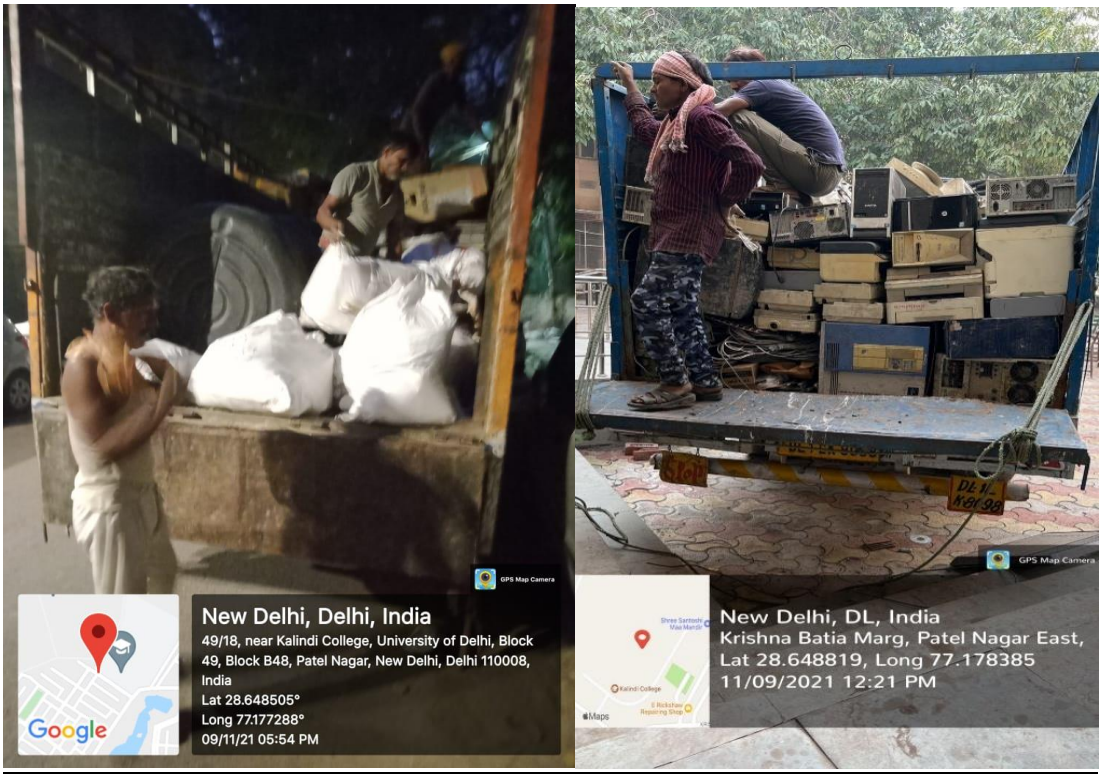

Plate-22: Final disposal of waste through vendors

Annexure II

Biodiversity and Greening the Campus

College Garden Details

There are 4 specific gardens in our college

Herbal Garden - 27m X 50m

Theme Park - 26m X 36m

Saraswati Garden - 60m X 20m

August Kranti Park-28m X 65 m

The source of water is the Submersible pump (Figure 1) used for watering the garden, and the quantity of water used is 2000- 3000 liters per day.

Figure : Submersible pump in Garden

2. **Medicinal garden in college:**

. The area of Herbal Garden is 27m X 50m with displayed scientific names of the trees in the campus.

List the plants in the garden, with approx. numbers of each species.

Medicinal/Herbal Garden, Size: 27m X 50m

S.no.	Name of the plant / Shrubs / Trees (Local Name)	Scientific name	Counts /Numbers (Approx)	Area Covered (Approx)
1.	Rose (shrub)	Rosa	63	1.5 x 2.0 meter x 2(twice)
2.	Kalanchoe (shrub)	*Bryophyllum*	30	2 x 3 meter
3.	Taro (shrub)	*Colocasia*	5	1x1 meter
4.	Turmeric (shrub)	*Curcuma longa*	8	3 x 5 meter
5.	Nettle spurge (tree)	*Jatropha*	1	1meter
6.	Creeping inch plant (tree)	*Callisia fragrans*	20	3 x 4 meter
7.	Spider plant (shrub)	*Dracaena*	6	3 x 4 meter
8.	Elaichi (shrub)	*Elettaria cardamom*	20	4 meter
9.	Philippine lemon (tree)	*Citrus microcarpa*	1	4x 5 meter

10.	Sarifa (tree)	*Annona squamosa*	1	2 x 4 meter
11.	Nut Tree grass (tree)	*Cypress rotundus*	30	2 x 2 meter
12.	Guava (tree)	*Psidium guajava*	2	3 x 4 meter
13.	Chameleon pickle (tree)	*Houttuynia Cordata*	100	2 x 2 meter
14.	Amla (tree)	*Emblica officinalis*	1	3 x 4 meter
15.	Sandalwood (tree)	*Santalum album*	1	2 x 4 meter
16.	Lemon (tree)	*Citrus limon*	1	2 x 2 meter
17.	China rose (tree)	*Hibiscus rosa-sinensis*	2	4 x 4 meter
18.	Ashoka (tree)	*Saraca asoca*	1	2 x 2 meter
19.	Dragon plant (shrub)	*Dracena fragrans*	7 pots	5 x 4meter
20.	Papaya (tree)	*Carica papaya* (tree)	4	3 x 4 meter
21.	Crepe jasmine (shrub)	*Taberna montana*	1	1 x 1 meter
23.	Aloe vera (shrub)	*Aloe barbadensis*	100	2 x 2 meter
24.	Holy basil (shrub)	*Ocimum sanctum*	15	2 x 2 meter
25.	Wild basil (shrub)	*Ocimum gratissimum*	15	4 x 5 meter
26.	Ashwagandha (shrub)	*Withania somnifera*	2	2 x 2 meter

27.	Hemp (shrub)	*Cannabis sativa*	1	3 x 4 meter
28.	Pila bans (tree)	*Bambusa vulgaris*	50	12 x 12 meter
29.	Asparagus (shrub)	*Asparagus officinalis*	1	2 x 2 meter
30.	Khus khus (shrub)	*Cymbopogon citratus*	20	2 x 2 meter
31.	Sadabahar morph (shrub)	*Catharanthus roseus*	1	5 x 4 meter
32.	Giloy (herb)	*Tinospora cordifolia*	1	2 x 4 meter
33.	Sadabahar morph (shrub)	*Catharanthus morph*	1	3 x 4 meter
34.	Ajwain leaves/ Indian Borage (shrub)	*Plectranthus Amboinicus*	12	2 x 2

Annexure 1: Below photographs are attached of the plants present in the herbal garden


GPS Map
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Friday, 08-10-2021


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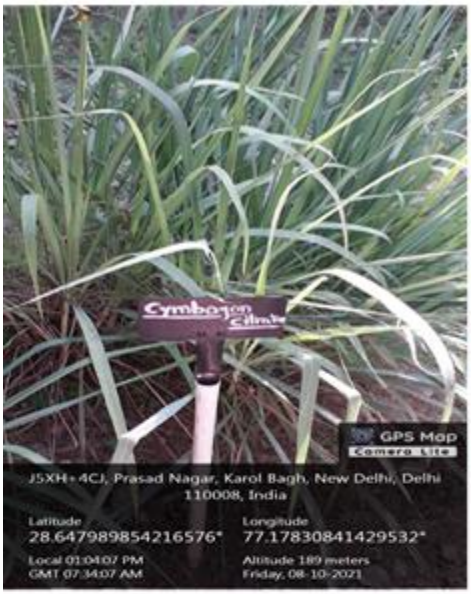
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Friday, 08-10-2021


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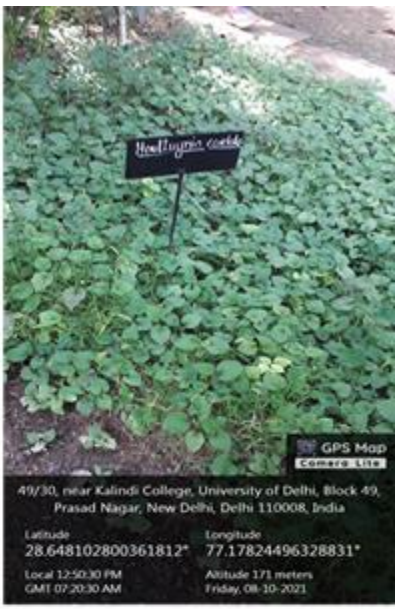
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GPS Map
Camera Lite


GPS Map
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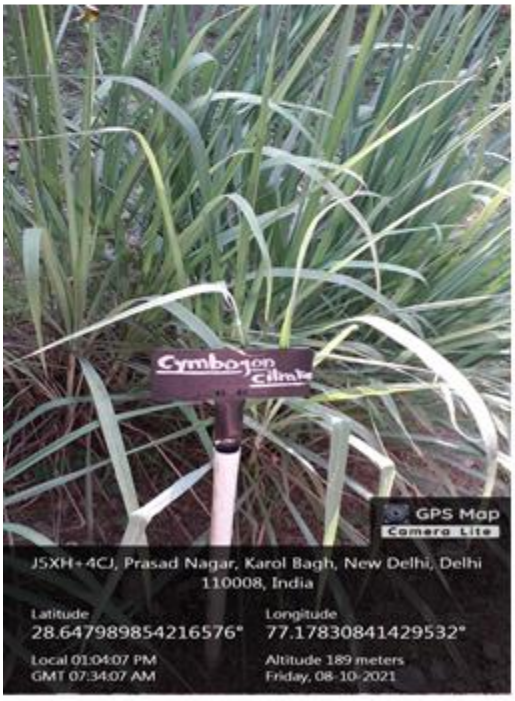
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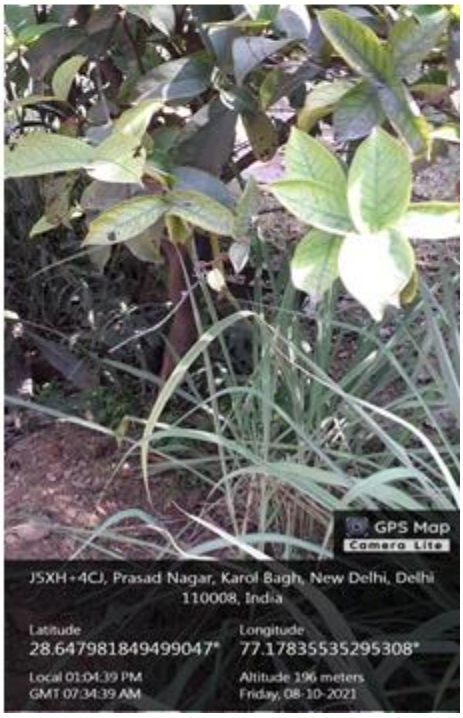
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Friday, 08-10-2021

Saraswati garden, Size: 60m x 20 m

S.no.	Name of the plant / Shrub / Trees	Scientific name	Count/Numbers (App	Area Covered (Approx)
1.	Date palm (Tree)	*Phoenix dactylifera*	4	7 metres
2.	Christmas tree (Tree)	*Araucaria columnaris*	18	11 meters
3.	Regal palm (Tree)	*Roystonia regia*	19	30 meters
4.	Areca palm (Tree)	*Dypsis lutescens*	27	3 to 4 meters
5.	Cycas Palm (Tree)	*Cycas revoluta*	4	2 to 3 meters
6.	Thuja (Tree)	*Thuja occidentalis*	6	2 to 3 meters
7.	China rose (Tree)	*Hibiscus rosa-sinensis*	7	1 to 2 meters
8.	Chinese fan palms (Tree)	*Livistona chinensis*	5	2 to 3 meters

9.	Dragon tree	*Dracaena marginata*	30	4 to 5 meters
10.	Taro (shrub)	*Colocasia esculenta*	50	30 meters
11.	Guava (tree)	*Psidium guajava*	10	15 meters
12.	Crown of thorns (shrub)	*Euphorbia milii*	9	2 meters
13.	Cheesewood (tree)	*Pittosporum undulatum*	2	2 meters
14.	Paper Rose (tree)	*Bougainvillea glabra*	6	6 meters
15.	Kadam (tree)	*Neolamarckia cadamba*	13	2 meters
16.	Cornstalk (tree)	*Dracaena fragrans*	15	2 meters
17.	Arrowwood (Shrub)	*Viburnum dentatum*	25	2 meters
18.	Morning glory (Shrub)	*Convolvulus cneorum*	1	1 meters
19.	Mango (Tree)	*Mangifera indica*	15	2 x 4 meters
20.	Harsingar (shrub or tree)	*Nyctanthes arbor-tristis*	1	2 x 2 meters
21.	Garden Croton (shrub)	*Codiaeum variegatum*	6	2 x 2 meters
22.	Mehndi	*Lawsonia inermis*	50	2 x 2 meters


GPS Map
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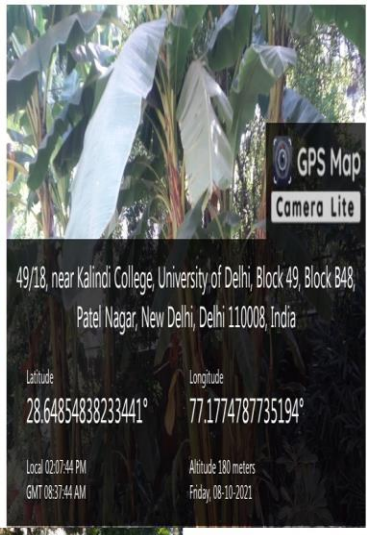
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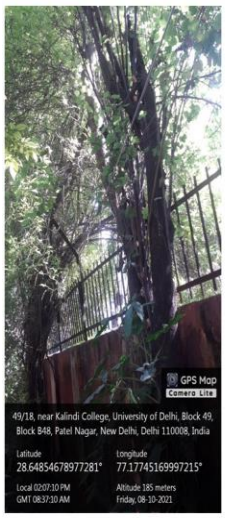
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GPS Map
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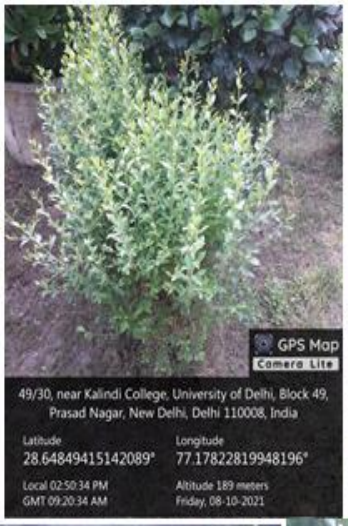
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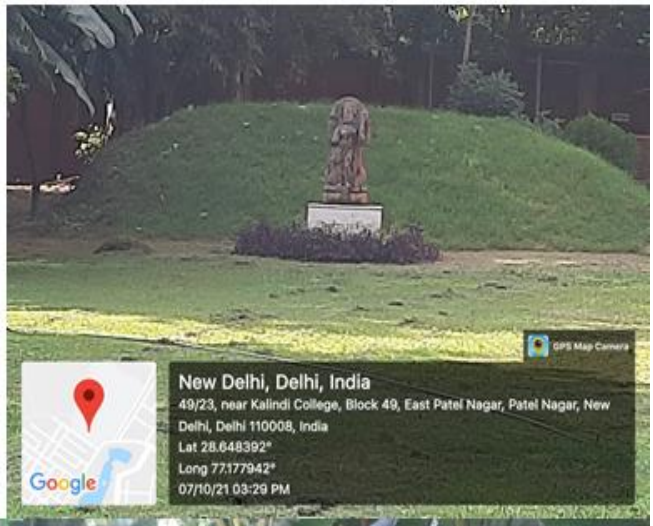
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07/10/21 03:29 PM
Google


GPS Map
Camera Lite
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Altitude 184 meters
Friday, 08-10-2021


GPS Map
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Altitude 180 meters
Friday, 08-10-2021

(C) Theme garden , Size: 26m X 36

S.no.	Name of the plant	Scientific name	Count/Numbers	Area Covered
1.	Ashoka (Tree)	*Saraca asoca*	2	4 x 4 meters
2.	Christmas tree (Tree)	*Araucaria columnaris*	20	12 meters

3.	Areca Palm ((Shrub)	*Dypsis lutescens*	10	3 meters
4.	Cycas	*Cycas revoluta*	1	2 meters
5.	Cycas	*Cycas sp.*	2	2 meters
6.	Ficus (Tree)	*Ficus religiosa*	1	2 meters
7.	Ficus (Tree)	*Ficus benjamina*	1	3 x 2 meters
8.	Euphorbia (Shrub)	*Euphorbia milii*	3	2 x 1 meters
9.	Shisham (Tree)	*Dalbergia Sissoo*	1	3 x 4 meters
10.	Swamp cedar	*Thuja occidentalis.*	1	1 x 1 meters
11.	Swamp cypress	Thuja cristatae	1	2 x 4 meters
12.	Corn plant	*Dracaena fragrans*	25	4 meters
13.	Corn plant	*Dracaena sp.*	22	4 meters
14.	Khus khus	*Cymbopogon citratus*	7	4 meters
15.	Screw pine	*Pandanus sp.*	1	4 meters
16.	Jamun (Tree)	*Syzygium sp.*	8	4 meters
17.	Bottle brush (Tree)	*Callistemon sp.*	1	4 meters
18..	Sadabahar (Shrub)	*Catharanthus sp.*	2	4 meters

19.	Shatavari (Shrub)	*Asparagus racemosus*	1	4 meters
20.	Golden shower(Tree)	*Cassia fistula*	1	4 meters
21.	Shatush (Tree)	*Morus alba*	1	4 meters
22.	Lily	*Lilium*	7	4 meters
23.	Century plant	Agave	1	4 meters
24.	Mauritius hemp	*Furare*	1	4 meters
25.	Indian beech	*Pongamia pinnata*	1	4 meters


GPS Map
Camera Lite
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Altitude 172 meters
Monday, 11-10-2021
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Google
New Delhi, Delhi, India
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Prasad Nagar Police Station
Google
New Delhi, Delhi, India
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Long 77.178363°
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New Delhi, Delhi, India
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Google
New Delhi, Delhi, India
Prasad Nagar Police Station
Google
New Delhi, Delhi, India
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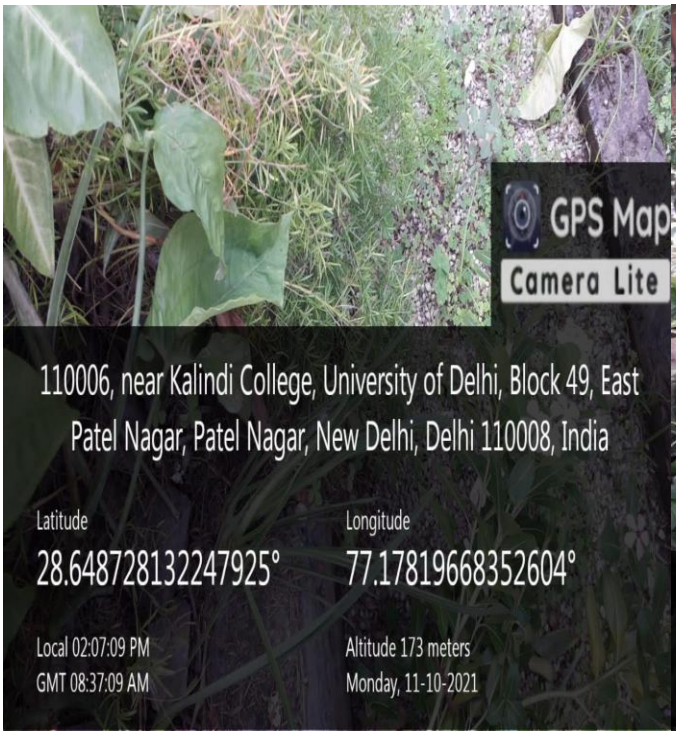
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Monday, 11-10-2021


GPS Map
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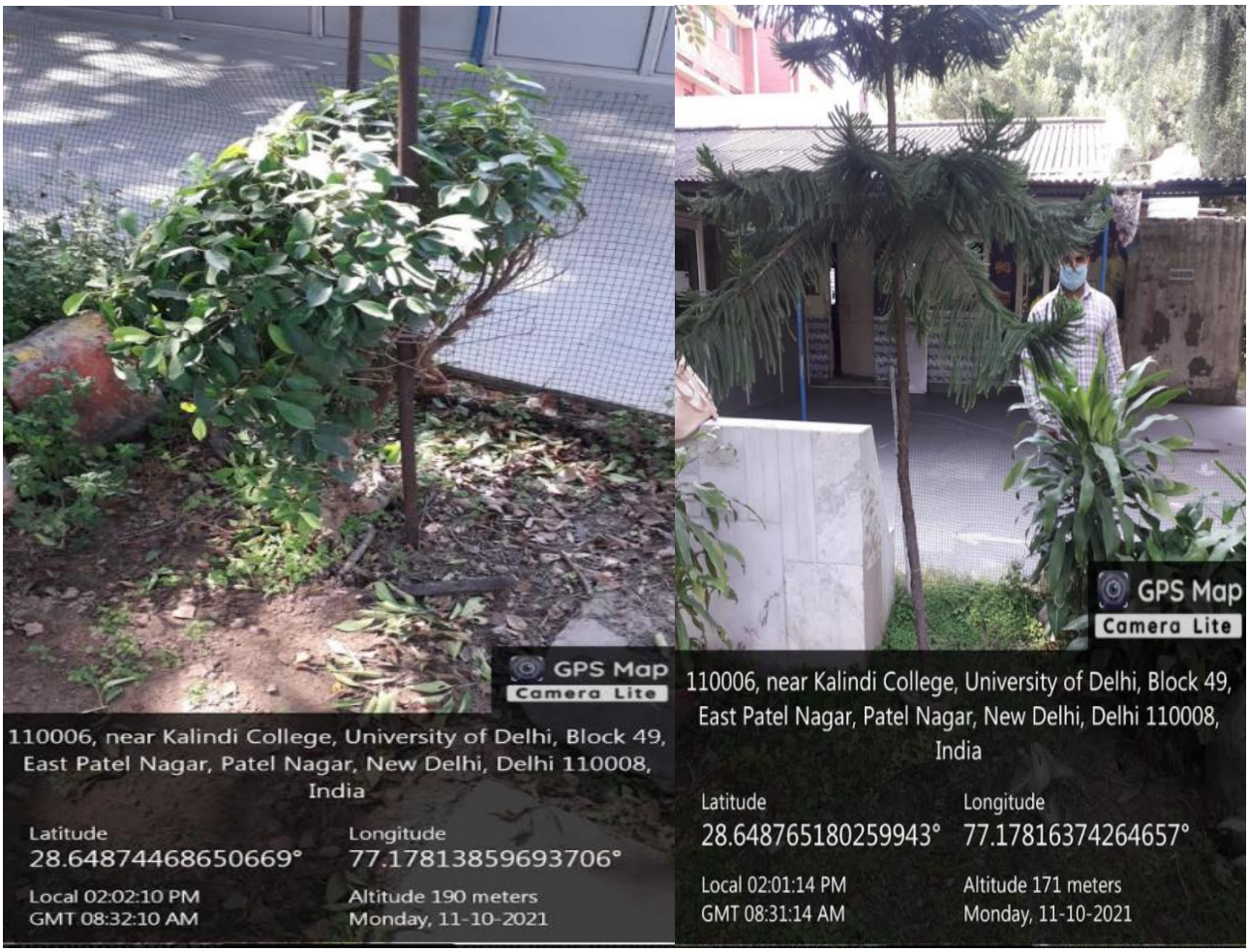
Monday, 11-10-2021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Monday, 11-10-2021
GPS Map
Camera Lite
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Altitude 171 meters
Monday, 11-10-2021

(4) August Kranti park, Size: 28m x 65 m

S.no.	Name of the plant	Scientific name	Count/Numbers (Approx)	Area Covered (Approx)
1.	Kikkar	*Vachellia nilotica*	1	2 meters
2.	Mehndi	*Lawsonia inermis*	50 hedges	2 meters
3.	Ficus	*Ficus benjamina*	25 hedges	2 meters
4.	Aloevera	*Aloe barbadensis*	50	3 meters
5.	Shisham	*Dalbergia sissoo*	3	16 metres x 3 metres
6.	Neem	*Azadirachta indica*	1	4 metres x 4 metres

7.	Scholar tree	*Alstonia scholaris*	1	4 metres
8.	Chinese palm tree	*Livingstonia chinensis*	3	4 meters
9.	Croton	*Croton*	3	4 meters
10.	Arrow wood pine	*Syngonium*	5	4 meters
11.	Sparrowgrass	*Asparagus*	3	3 meters
12.	Cast-iron plant	*Aspidistra*	4	4 meters
13.	Mango	*Mangifera indica*	1	3 x 2 meters
14.	Sadabahar	*Catharanthus roseus*	10	5 meters
15.	Areca palm	*Areca catechu*	10	7 meter
16.	Betel nut	*Areca sp.*	10	4 meters
17.	Dragon plant	*Dracaena*	1	3 x 2 meters
18..	Camwood	*Baphia*	12	2 x 4 meters
19.	China rose	*Hibiscus*	6	1 x 2 meters
20.	Rose	*Rosa*	5	2 x 1 meters
21.	Paper rose	*Bougainvillea*	1	2 meter x 2 meter
22.	Elaichi	*Elettaria cardamom*	15	6 meter
23.	Orange jasmine	*Murraya*	15	1 x 2 meters
24.	Yellow oleander	*Nerium oleander*	2	1 x 3 meters
25.	Indian rubber	*Ficus elastica*	1	1 x 2 meters

	plant			
26.	Frangipani	*Plumeria alba*	4	2 x 3 meters
27.	Spurge plant	*Euphorbia milii*	7	1 x 2 meters
28.	Sago	*Cycas revoluta*	1	4 x 5 meters


GPS Map Camera
New Delhi, Delhi, India
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Prasad Nagar Police Station
Google


GPS Map
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Monday, 11-10-2021


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Altitude 202 meters
Monday, 11-10-2021


East Patel Nagar, Patel Nagar, New Delhi, Del
India
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Monday, 11-10-202


GPS Map
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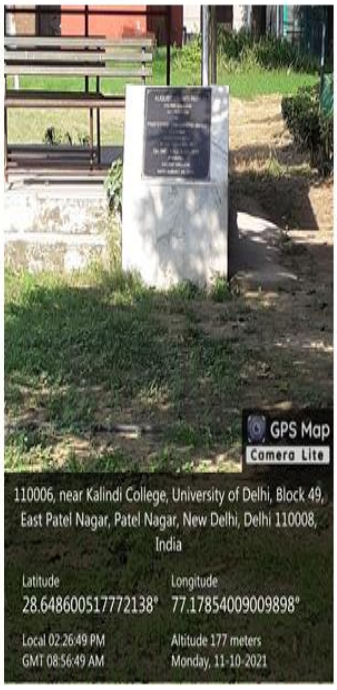
Altitude 190 meters
Monday, 11-10-2021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New Delhi, Delhi, India
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Google

Organic Gardening :

No, pesticides are being used in the Kalindi College gardens. We are completely dependent on Biofertilizers and compost made in the college itself.

Kalindi college have a compost machine which has proven to be a big step forward towards realizing the vision of our institution of creating an environment friendly work practices in the college and to inculcate environmental consciousness among students. It also helps in implementing an environment friendly and sustainable practice. Using this system, Kalindi College has started collecting and managing garden and canteen waste.

Figure 2 : Showing Composting Machine in the Kalindi College

To further eco-friendly practices of Kalindi College, we also have a Vermicompost plant. A vermicompost pit is present in the Herbal Garden that effectively uses organic plant waste to produce manure which is free of any chemical fertilizer, which is then used as biofertilizers in the college gardens.

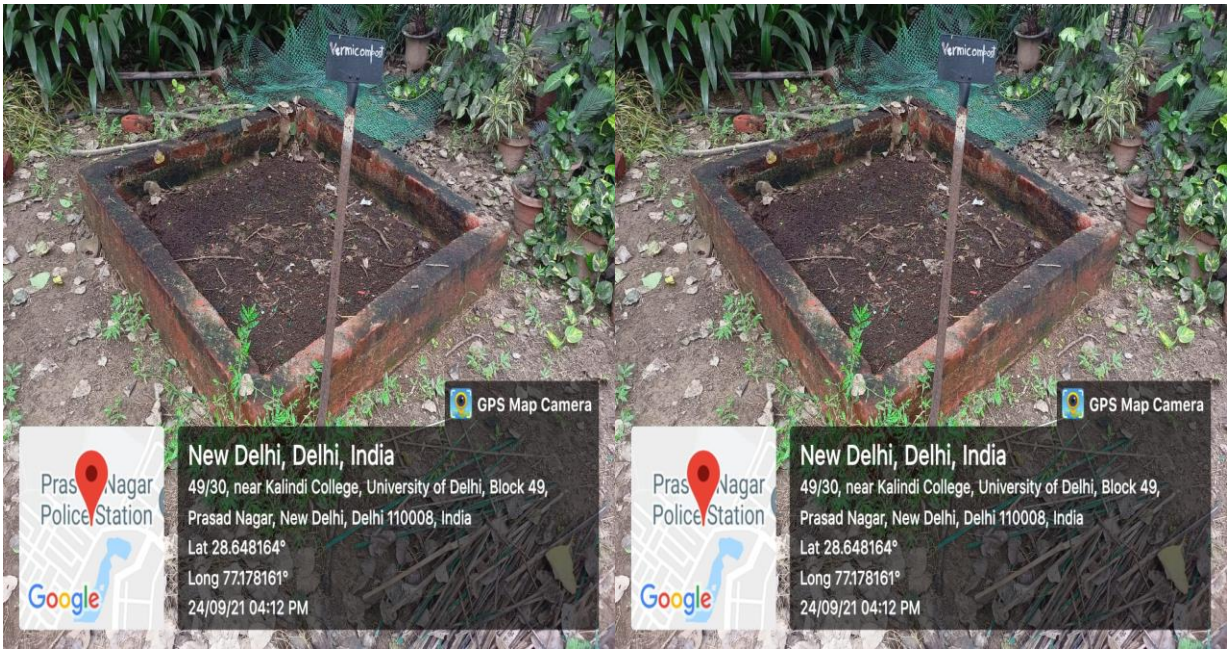


Figure: Showing Vermicomposting Pit in the Kalindi College

Energy Management:

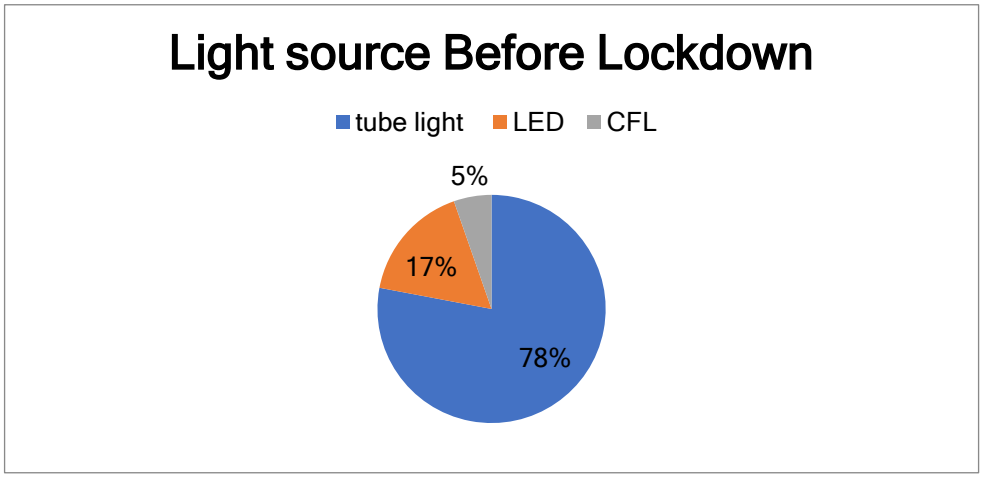
Details of the different energy sources in Kalindi college such as "Electricity, Electric stove, Kettle, Microwave, LPG, Firewood, Petrol, Diesel and others"?

	different energy sources in our college	Our college spend money on energy, month	Record monthly for the year 2020-21	Remark
1	Electricity,	-	-	-
2	Electric stove,	0	0	-
3	Kettle,	0	0	-
4	Microwave	72.625	871.5	-
5	LPG	0	0	-
6	Firewood	0	0	-
7	Petrol	0	0	-
8	Diesel	0	0	-
9	and others	0	0	-

How many LED/CFL bulbs has Kalindi college installed? Mention Energy saved by usage of LED/CFL

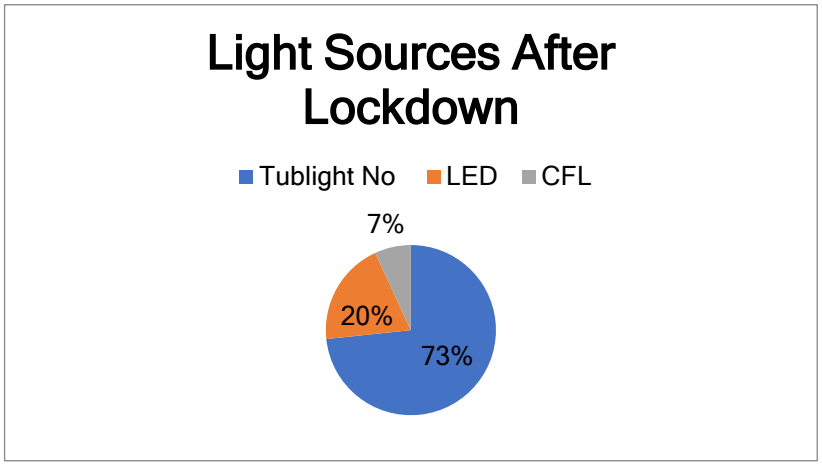
(A) Before lockdown

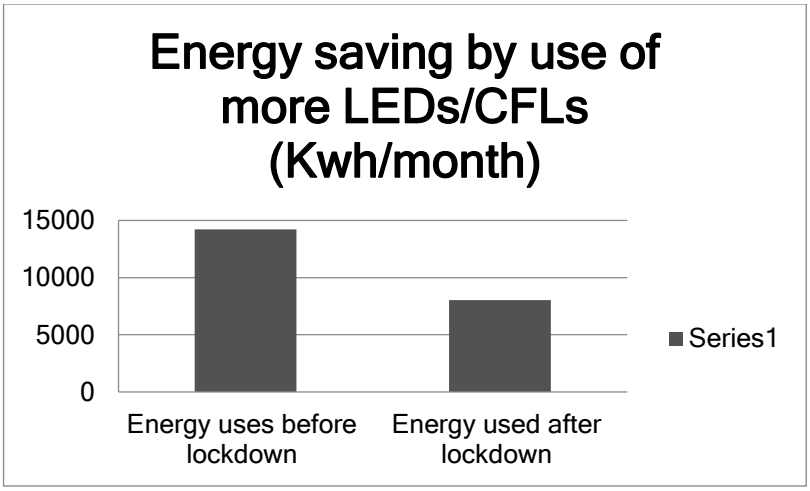
S.N.	Appliance	Number of Appliance	Power Used in (Watt)	Use hours per days	Use days in a month	kW/h	kW/ day	kW/ month	kW/ month[a]
	Tube light (36 watt)	**96**	36	8	25	3.456	27.648	**691.2**	**691.2**
	Tube light (14 watt)	**120**	14	8	25	1.68	13.44	**336**	**336**
	Tube light (40 watt)	**600**	40	8	25	24	192	**4800**	**10392**
	Tube light (40 watt)*	**699**	40	0	0	0	0	**0**	**0**
	LED bulb (32 watt)	**18**	32	12	30	0.576	6.912	**207.36**	**207.36**
	CFL (09 watt)	**26**	9	8	25	0.234	1.872	**46.8**	**46.8**
	CFL (16 watt)	**62**	16	8	25	0.992	7.936	**198.4**	**198.4**
	CFL (65 watt)	**16**	65	8	25	1.04	8.32	**208**	**208**
	LED light (36 watt)	**247**	36	8	25	8.892	71.136	**1778.4**	**1778.4**
	LED light (40 Watt)	**12**	40	8	25	0.48	3.84	**96**	**96**
	LED light (20 Watt)	**65**	20	8	25	1.3	10.4	**260**	**260**



After lockdown

S.N.	Appliance	Number of Appliance	Power Used in (Watt)	Use hours per days	Use days in a month	kW/ h	kW/ day	kW/ month	kW/ month
	Tube light (14 watt)	60	14	8	25	0.84	6.72	**168**	**336**
	Tube light (14 watt)*	60	14	0	0	0	0	**0**	**0**
	Tube light (40 watt)	332	40	8	25	13.28	106.24	**2656**	**5056**
	Tube light (40 watt)*	300	40	0	0	0	0	**0**	**0**
	Tube light (36 watt)	100	36	8	25	3.6	28.8	**720**	**1778.4**
	CFL (09 watt)	10	9	8	25	0.09	0.72	**18**	**18**
	CFL (16 watt)	54	16	8	25	0.864	6.912	**172.8**	**172.8**
	CFL (65 watt)	16	65	8	25	1.04	8.32	**208**	**208**
	LED light (36 watt)	147	36	0	0	0	0	**0**	**0**
	LED light (20 Watt)	65	20	8	25	1.3	10.4	**260**	**260**
	LED bulb (32 watt)	18	32	12	30	0.576	6.912	**207.36**	**207.36**





Work area illumination:

Office (in LUX units) (b) Classrooms (in LUX units)

Table 1: Uses of Electric Appliance after lockdown

S.N.	Appliance	Number of Appliance	Power Used in (Watt)	Use hours per days	Use days in a month	kW/h	kW/ day	kW/ month	kW/ month[a]
	Fan	136	75	8 hours	25	10.2	81.6	**2040.0**	**3540.0**
	Fan*	100	75	0	0	0	0	**0**	**0**
	Wall fan	30	50	8	15	1.5	12.0	**180.0**	**288.0**
	Wall fan*	18	50	0	0	0	0	**0**	**0**
	Table fan	1	50	8	25	0.05	0.4	**10.0**	**10.0**
	Tube light (14 watt)	60	14	8	25	0.84	6.72	**168.0**	**336.0**
	Tube light (14 watt)*	60	14	0	0	0	0	**0**	**0**
	Tube light (40 watt)	332	40	8	25	13.28	106.24	**2656.0**	**5056.0**
	Tube light (40 watt)*	300	40	0	0	0	0	**0**	**0**
	Tube light (36 watt)	100	36	8	25	3.6	28.8	**720.0**	**1778.4**
	LED light (36 watt)	147	36	0	0	0	0	**0**	**0**
	LED light (20 Watt)	65	20	8	25	1.30	10.4	**260.0**	**260.0**
	LED bulb (32 watt)	18	32	12	30	0.576	6.912	**207.360**	**207.360**
	CFL (09 watt)	10	09	8	25	0.090	0.72	**18**	**18**
	CFL (16 watt)	54	16	8	25	0.864	6.912	**172.80**	**172.80**
	CFL (65 watt)	16	65	8	25	1.040	8.320	**208.0**	**208.0**
	Celling light (36 w)	45	36	8	25	1.62	12.9	**324.0**	**766.08**
	Celling light (36 w)*	50	36	0	0	0	0	**0**	**0**
	Fridge	17	40	24	30	.680	16.32	**489.6**	**489.6**
	Exhaust Fan	71	40	4	25	2.840	11.360	**284.0**	**284.0**

	Projector	6	150	12h/ month		0.90		**10.8**	**10.8**
	Projector	1	150	40h/ month		0.150		**6.0**	**6.0**
	Computer	49	60	8	25	2.94	23.52	**588.0**	**1176.0**
	Computer	49	60	0	0	0	0	**0**	**0**
	AC (2.0 tonn) 3 star	4	2000	8	25	8.0	64.0	**1600.0**	**3200.0**
	AC (2.0 tonn) 3 star*	4	2000	0	0	0	0	**0**	**0**
	AC (2.0 tonn) 2 star	4	2000	8	25	8.0	64.0	**1600.0**	**3200.0**
	AC (2.0 tonn) 2 star*	4	2000	0	0	0	0	**0**	**0**
	AC (2.0 tonn) 5 star	7	2000	8	25	14	112.0	**2800**	**10000**
	AC (2.0 tonn) 5 star*	18	2000	0	0	0	0	**0**	**0**
	AC (2.0 tonn)(old)	3	2000	8	25	6.0	48.0	**1200.0**	**2400.0**
	AC (2.0 tonn)(old)*	3	2000	0	0	0	0	**0**	**0**
	AC (1.0 tonn)(3 star)	2	1000	8	25	2.0	16.0	**400.0**	**400.0**
	Oven	03	1000	1	25	3.0	3.0	**75**	**75**
	Induction	1	1000	1	25	1.0	1.0	**25.0**	**25.0**
	Water Dispenser	7	95	8	25	0.665	5.320	**133.0**	**133.0**
	Photocopy	2	900	8	25	1.80	14.4	**360.0**	**360.0**
	Printer	5	300	30 min/day	25	1.5	0.75	**187.5**	**375.0**
	Printer*	10	300	0	0	0	0	**0**	**0**
	Scanner Machine	1	39	30 min/day	25	0.039	0.0195	**0.487**	**0.487**
	Water cooler	4	50	8	25	0.2	1.6	**40.0**	**40.0**
	TV with camara	1	120	1	25	0.120	0.120	**3.0**	**3.0**
	Amplifier	1	100	1	25	0.1	0.1	**2.5**	**2.5**
	Aquarium	1	10	24	30	0.010	0.240	**7.2**	**7.2**
	Sanitizer	2	20	8	25	0.040	0.320	**8.0**	**8.0**

	Machine								
	Grass Cutting Machine	1	1000		2*2			**4.0**	**4.0**
	Water Motor	1	2000	4	30	2.0	8.0	**240.0**	**240.0**
	ATM Machine	1	700	24	30	0.7	16.8	**504.0**	**504.0**
	cash counting Machine	1	80	1	25	0.08	0.08	**2.0**	**2.0**
	UPS (336 w DC)	6	336	4	25	2.016	2.016	**50.4**	**50.4**
	Security Light (250 Watt)	16	250	12	30	4.0	48.0	**1440.0**	**1440.0**
	Coffee Machine	2	600	8	25	1.2	9.6	**240.0**	**240.0**
	Microwave	1	700	30min	25	0.7	0.35	**8.75**	**8.75**
	composing Machine	1	200	1	10	0.2	0.2	**2.0**	**2.0**
	Barcode Scanner	2	0.40	1	10	0.008	0.008	**0.080**	**0.080**
	Hot case (1200 w)	1	1200	15min	25	1.2	0.3	**30**	**30**
	solar energy		61.75 Kw	24	30				
								19173.75	37357.46

* Occasionally use; [a]when college use all electric Appliances

Table2: Uses of Electric Appliance before lockdown

SN	Appliance	Total	Watt	Use per days	how many days in a month	kW/h	kW/ day	kW/ month 33464 Unit	kW/ month 50656 Unit[a]
	Fan	**239**	75	8	25	17.925	143.4	**3585.0**	**7185.0**
	Fan*	**240**	75	0	0	0	0	**0**	**0**
	Wall fan	**86**	50	8	25	4.3	34.4	**860.0**	**860.0**
	Table fan	**1**	50	8	25	0.05	0.4	**10**	**10**
	Tube light (36 watt)	**96**	36	8	25	3.456	27.648	**691.2**	**691.2**
	Tube light (14	**120**	14	8	25	1.68	13.44	**336.0**	**336.0**

	watt)								
	Tube light (40 watt)	**600**	40	8	25	24.0	192.0	**4800.0**	**10392.0**
	Tube light (40 watt)*	**699**	40	0	0	0	0	**0**	**0**
	LED light (36 watt)	**247**	36	8	25	8.892	71.136	**1778.4**	**1778.4**
	LED light (40 Watt)	**12**	40	8	25	0.480	3.84	**96.0**	**96.0**
	LED light (20 Watt)	**65**	20	8	25	1.30	10.4	**260.0**	**260.0**
	LED bulb (32 watt)	**18**	32	12	30	0.576	6.912	**207.36**	**207.36**
	CFL (09 watt)	**26**	09	8	25	0.234	1.872	**46.8**	**46.8**
	CFL (16 watt)	**62**	16	8	25	0.992	7.936	**198.4**	**198.4**
	CFL (65 watt)	**16**	65	8	25	1.04	8.32	**208**	**208**
	Security Light (250 Watt)	**24**	250	12	30	6.0	72.0	**2160**	**2160**
	Celling light (36 w)	**95**	36	8	25	3.42	27.36	**684**	**684**
	Fridge	**20**	40	24	30	0.8	19.2	**576.0**	**576.0**
	Exhaust Fan	**89**	40	4	25	3.56	14.24	**356.0**	**356.0**
	Projector	**29**	150	12h/ month		4.350	4.35	**52.2**	**52.2**
	Projector	1	150	40h/ month		0.150	0.150	**6**	**6**
	Computer	**376**	60	1	25	22.56	22.56	**564.0**	**564.0**
	AC (2.0 tonn) 3 star	9	2000	8	25	18.0	144.0	**3600.0**	**3600.0**
	AC (2.0 tonn) 2 star	**8**	2000	8	25	16	128.0	**3200.0**	**3200.0**
	AC (2.0 tonn) 5 star	7	2000	8	25	14	112.0	**2800**	**10800**
	AC (2.0 tonn) 5 star *	**20**	2000	0	0	0	0	**0**	**0**
	AC (1.0 tonn) 3 star	2	1000	8	25	2	16	**400**	**400**
	AC (2.0 tonn) (old)	**6**	2000	8	25	12.0	96.0	**2400.0**	**2400.0**
	Oven	**25**	1000	1	25	25	25	**625.0**	**625.0**
	Induction	**1**	1000	1	25	1	1	**25**	**25**
	Water Dispenser	**7**	95	8	25	0.665	5.320	**133.0**	**133.0**
	Photocopy	**4**	900	8	25	3.6	28.8	**720.0**	**720.0**
	Printer	**22**	300	30 min/day	25	6.6	3.3	**165**	**165**
	Scanner Machine	**1**	39	30 min/day	25	0.039	0.0195	**0.487**	**0.487**

	Water cooler	**10**	50	8	25	0.2	1.6	**40**	**40**
	TV with camara	**1**	120	1	25	0.120	0.120	**3.0**	**3.0**
	Amplifier	**1**	100	1	25	0.1	0.1	**2.5**	**2.5**
	Aquarium	**1**	10	24	30	0.01	0.240	**7.2**	**7.2**
	Sanitizer Machine	**2**	20	8	25	0.040	0.320	**8.0**	**8.0**
	Grass Cutting Machine	**1**	1000	2	2			**4.0**	**4.0**
	Water Motor	**1**	2000	4	30	2.0	8.0	**240.0**	**240.0**
	ATM Machine	**1**	700	24	30	0.7	16.8	**504.0**	**504.0**
	cash counting Machine	**1**	80	1	25	0.08	0.08	**2.0**	**2.0**
	3 phase motar 7.5 Horse power	**3**	5000	1	1	15	15	**15**	**15**
	Halogen Light	**37**	40	12	30	1.48	17.76	**532.8**	**532.8**
	UPS (336 w DC)	**6**	336	4	25	2.016	2.016	**50.4**	**50.4**
	RO Plant	**1**	60	2	25	0.06	0.120	**3.0**	**3.0**
	Ice Machine	**1**	50	2	4	0.05	0.025	**0.10**	**0.10**
	Muffle Machine	**1**	2000	1	5	2	2	**10**	**10**
	Centrifuge Machine	**1**	40	1	6	0.04	0.04	**0.3**	**0.3**
	Centrifugal Pump	**2**	600	1	6	1.2	1.2	**7.2**	**7.2**
	Autoclave	**2**	3500	1	5	7.0	7.0	**35.0**	**35.0**
	water bath	**2**	1000	1	5	2	2	**10.0**	**10.0**
	Distillation Machine	**1**	1000	1	5	1	1	**5**	**5**
	Coffee Machine	**2**	600	8	25	1.2	9.6	**240**	**240**
	Microwave	**1**	700	30min	25	0.7	0.35	**8.75**	**140**
	composing Machine	**1**	200	2	5	0.2	0.4	**2.0**	**2.0**
	Transformer (11,000 Watt)	**2**							
	Trade Mill	**2**	200	2	15	0.4	0.8	**12.0**	**12.0**
	Vibrator	**1**	580	2	15	0.580	1.16	**17.4**	**17.4**
	Barcode Scanner	**2**	0.40	1	10	0.008	0.008	**0.080**	**0.080**
	Hot case (1200 w)	**1**	1200	15min	25	1.2	0.3	**30**	**30**
	solar energy		61.75 Kw	24	30				
								33,332	**50,656**

* Occasionally use, [a]when college use all electric Appliances

Table 3: Previous Year Electric Bill (year 2021 & 2018)

S.No	2021			2018	
	Month	Unit	Amount	Unit	Amount
1	May	2266	123410	36190	358350
2	June			11166	145470
3	July	25466	499770	28840	359860
4	August	16802	282980	34142	412670
5	September			38103	450760
6	October	16257	289560		
	Average	**19508**		**33695**	

BSES

EBILL Customer

Date of Print Out: 21.05.2021

Bill of Supply for Electricity

GSTIN : 07AABCC8569N1Z0

BSES Yamuna Power Ltd.

Due Date: 03-06-2021

Name : M/s. THE PRINCIPAL

Billing Address : KALINDI COLLEGE EAST PATEL NAGAR,,N. DELHI. DELHI

Supply Address : KALINDI COLLEGE KALINDI COLLEGE, EAST,N. DELHI. DELHI

Mobile / Tel. No. :7838064805
Email ID :kalindisampark.du@gmail.com
District / Division :Patel Nagar
Walking Sequence :PNRKN0002A0AA
Bill Month :MAY-21
Bill Date :19-05-2021

Sanctioned Load :297.00 (kVA)
Contract Demand :333.00 (kVA)
M D I :42.00 (kVA)
Power Factor : .950
Pole No. :NA
Meter Reading Status :DL
Cycle No. :KN

Tariff Category :Non-Domestic [HT]

CA No. :100011201
Energisation Date :10.06.2002
Meter Type :3PSK
Supply Type :HT(11KV)
Bill No. :100007404337
Bill Basis :Actual
O.D. No. :Y/21/11242668457
CCTV Tagged :No
Street Light Tagged :No
WI-FI Tagged :No

Customer Care Centre No. 19122 (24x7 Toll Free)

Meter Details in Annexure

Billing Details

Current Period Charges (16-04-2021 to 13-05-2021)

Fixed Charges (A)	Slab-wise Energy Charges				Slab-wise FPA/PPA		TOD		Srch@8% on (E= A+B+D+R)	Elec.tricity Tax @ 5% (H)	Total Amount (A+B+C+D+E+F+G+H+I)
	Cons. Measrd During	Billed Units	Unit Rate	Amount(B)	PPAC% on B	Amount(C)	TOD% on B	Surg/Rebt Amount (D)			
76536.29 0.92 Mth(s)	NORMAL(S)	1215	8.50	10327.50	14.54	1501.62			7617.55	1968.40	124073.14
	NORMAL(S)	1051	8.50	8933.50	14.54	1298.93					
									Pension Surcharge @5% (F)		
PPAC on Fix Chg(G)									4760.97		
11128.38									TCS Amount (I)		
									Base Amt.	Surcharge	
CCTV Units									0.00	0.00	
0.00									CCTV Bill Amount		
Street Light Units									0.00		
	TOTAL ->	2266		19261.00		2800.55			Street Light Points (W)		
WI-FI Units									10W	20W	40W

Past Dues / Refunds / Subsidy

Arrears / Refunds		Late Payment Surcharge (LPSC)	Other Charges, if any *	Total Charges Payable	Rebate(R) / Subsidy*	Net Amount Payable
Amount	Period to which it relates					
0.00		0.00	2.84	124075.98	(661.86)/0.00	123414.12

Amount not immediately payable, if any.		BG Security Deposit	Rs. 0.00
Rs. 0.00		BG Expiry Date	00-00-0000
Service line cum development charges paid	Rs. 0.00	Cash Security Deposit	Rs.
Interest accrued for FY already adjusted in bill No. (generated for the period to).			Rs.
Interest for FY will be adjusted in your first bill to be generated in FY			

Bill Amount Payable

Rs. 123410.00

Due Date of Payment 03-06-2021

If payment is made after the due date, LPSC for the delay, shall be charged in the next bill.

Last payment Rs. 165980.00 received on 28-04-2021 Payment Accounted Upto. 16-05-2021

The connection shall be liable for disconnection on non payment of all dues(including arrears of previous bill(s)) by due date, after notice as per Section 56(1) of the Electricity Act, 2003.

#Power Purchase Adjustment Charge (PPAC) @ 14.54% has been levied on energy & fixed charge w.e.f 09.04.2021. CCTV Bill amount include Energy,RA,PPAC,PTC and Electricity Tax on CCTV consumption.##In case any variation in SLD charges noted, consumer may visit divisional office for requisite correction. Pension Surcharge @ 5.00% has been levied on energy & fixed charge w.e.f. 01.09.2020. ##The amount of Security Deposit against your connection is mentioned herewith under the heading "Security Deposit with DISCOM". Please check this amount and report any discrepancy by furnishing documentary proof in that regard available with you, at the customer care centre of respective division office. ##Anyone treating Electricity Bill as conclusive proof of Residence is advised to verify the particulars.# Switch off lights and appliances from mains when not in use. This will conserve energy and reduce your electricity bill.

(This bill is computer generated, hence does not require signature.)

BSES

PAYNOW

Payment Slip

*** Make your cheque/DD payable to BYPL CA No. 100011201**

* Cheque should not be post dated.

* Write your telephone number on reverse of the cheque.

KN00Y1000112010000123410002021060300000000013

* Cheque should be account payee and payable at Delhi

* Do not Staple.Only clip the cheque to payment slip..

Bill amount payable: Rs.123410.00 Bill month:MAY-21

Cheque/DD No. Date:

Regd.Office: BSES Yamuna Power Limited (A joint venture of Reliance Infrastructure Ltd & Govt. of NCT of Delhi) Shakti Kiran Building, Karkardooma, DELHI-110032
CIN NO.:U40109DL2001PLC111525, Telephone No: 011-39999808, Fax No: 011-30813598, Email: bypl.customercare@relianceada.com, Website: www.bsesdelhi.com

BSES

EBILL Customer

Date of Print Out: 21.05.2021

BSES Yamuna Power Ltd.

Meter Details Annexure

CA No. :**100011201**
Bill No. :100007404337
Bill Date :19-05-2021
Name :M/s. THE PRINCIPAL
Billing Address :KALINDI COLLEGE EAST PATEL NAGAR,,N. DELHI. DELHI

Net Meter Consumption Details (Date of Reading : 13-05-2021)

Total Solar Generation Units	For The Billing Period	Cumulative Generation in FY	Solar Installation Details	Date of Installation	Capacity kWp
	6574	10946		12-04-2019	61.00

B/F Units (If any)	Export Reading			Import Reading			Net Difference			Moderated Units			C/F Units (If any)
	Normal	Peak	Offpeak	Normal	Peak	Offpeak	Normal	Peak	Offpeak	Normal	Peak	Offpeak	
0	2292	936	630	3330	1542	1254	1038	606	624	1038	662	566	0

(Consumption in the above table are in kWh/kVAh, as applicable)

Meter No	Units	Billed Consumption (Current)		Billed Consumption (Previous)		Multiplication Factor	Current Consumption	
		Date of Meter Reading	Reading	Date of Meter Reading	Reading		Days	Units
17136926	kWh	13-05-2021	117,231.00	15-04-2021	113,260.20	1.00	28	3,970.00
17136926	kW	13-05-2021	22.96			1.00		22.96
17136926	kVAh	13-05-2021	118,557.00	15-04-2021	114,554.70	1.00	28	4,002.00
17136926	kVA	13-05-2021	22.96			1.00		22.96
17136927	kWh	13-05-2021	123,731.70	15-04-2021	121,128.10	1.00	28	2,604.00
17136927	kW	13-05-2021	25.70			1.00		25.70
17136927	kVAh	13-05-2021	125,014.90	15-04-2021	122,403.10	1.00	28	2,612.00
17136927	kVA	13-05-2021	25.72			1.00		25.72
98695043	kWh	13-05-2021	975.78	15-04-2021	966.95	600.00	28	5,298.00
98695043	kW	13-05-2021	0.07			600.00		42.00
98695043	kVAh	13-05-2021	1,028.65	15-04-2021	1,018.44	600.00	28	6,126.00
98695043	kVA	13-05-2021	0.07			600.00		42.00
98695043	kVAhP	13-05-2021	305.15	15-04-2021	302.58	600.00	28	1,542.00
98695043	kVAhO	13-05-2021	210.92	15-04-2021	208.83	600.00	28	1,254.00
98695043	kWh_N	13-05-2021	75.50	15-04-2021	69.07	600.00	28	3,858.00
98695043	kWh_PN	13-05-2021	14.98	15-04-2021	13.42	600.00	28	936.00
98695043	kWh_OPN	13-05-2021	10.40	15-04-2021	9.35	600.00	28	630.00

BSES

EBILL Customer

Date of Print Out: 17.08.2021

Bill of Supply for Electricity

GSTIN : 07AABCC8569N1Z0

BSES Yamuna Power Ltd.

Due Date: 31-08-2021

Name : M/s. THE PRINCIPAL

Billing Address : KALINDI COLLEGE EAST PATEL NAGAR,,N. DELHI. DELHI

Supply Address : KALINDI COLLEGE KALINDI COLLEGE, EAST,N. DELHI. DELHI

Mobile / Tel. No. :7838064805
Email ID :kalindisampark.du@gmail.com
District / Division :Patel Nagar
Walking Sequence :PNRKN0002A0AA
Bill Month :AUG-21
Bill Date :16-08-2021

Sanctioned Load :297.00 (kVA)
Contract Demand :333.00 (kVA)
M D I :90.00 (kVA)
Power Factor : .950
Pole No. :NA
Meter Reading Status :DL
Cycle No. :KN

Tariff Category :Non-Domestic [HT]

CA No. :100011201
Energisation Date :10.06.2002
Meter Type :3PSK
Supply Type :HT(11KV)
Bill No. :100037018954
Bill Basis :Actual
O.D. No. :Y/21/11247577881
CCTV Tagged :No
Street Light Tagged :No
WI-FI Tagged :No

Customer Care Centre No. 19122 (24x7 Toll Free)

Meter Details in Annexure

Billing Details

Current Period Charges (16-07-2021 to 13-08-2021)

Fixed Charges (A)	Slab-wise Energy Charges				Slab-wise FPA/PPA		TOD		Srch@8% on (E= A+B+D+R)	Elec.tricity Tax @ 5% (H)	Total Amount (A+B+C+D+E+F+G+H+I)
	Cons. Measrd During	Billed Units	Unit Rate	Amount(B)	PPAC% on B	Amount(C)	TOD% on B	Surg/Rebt . Amount (D)			
77879.03 0.94 Mth(s)	NORMAL(S)	16802	8.50	142817.00	13.50	19280.30			17312.92	8527.30	287150.79
									Pension Surcharge @5% (F)		
PPAC on Fix Chg(G)									10820.57		
10513.67									TCS Amount (I)		
									Base Amt.	Surcharge	
CCTV Units									0.00	0.00	
0.00									CCTV Bill Amount		
Street Light Units									0.00		
	TOTAL ->	16802		142817.00		19280.30			Street Light Points (W)		
WI-FI Units									10W	20W	40W

Past Dues / Refunds / Subsidy

Arrears / Refunds		Late Payment Surcharge (LPSC)	Other Charges, if any *	Total Charges Payable	Rebate(R) / Subsidy*	Net Amount Payable
Amount	Period to which it relates					
0.00		687.16	4.51	287842.46	(4862.92)/0.00	282979.54

Amount not immediately payable, if any.		BG Security Deposit	Rs. 0.00
Rs. 0.00		BG Expiry Date	00-00-0000
Service line cum development charges paid	Rs. 0.00	Cash Security Deposit	Rs.
Interest accrued for FY already adjusted in bill No. (generated for the period to).			Rs.
Interest for FY will be adjusted in your first bill to be generated in FY			

Bill Amount Payable

Rs. 282980.00

Due Date of Payment 31-08-2021

If payment is made after the due date, LPSC for the delay, shall be charged in the next bill.

Last payment Rs. 499770.00 received on 11-08-2021 Payment Accounted Upto. 13-08-2021

The connection shall be liable for disconnection on non payment of all dues(including arrears of previous bill(s)) by due date, after notice as per Section 56(1) of the Electricity Act, 2003.

#Power Purchase Adjustment Charge (PPAC) @ 13.50% has been levied on energy & fixed charge w.e.f 15.05.2021. CCTV Bill amount include Energy,RA,PPAC,PTC and Electricity Tax on CCTV consumption.##In case any variation in SLD charges noted, consumer may visit divisional office for requisite correction. Pension Surcharge @ 5.00% has been levied on energy & fixed charge w.e.f. 01.09.2020. ##The amount of Security Deposit against your connection is mentioned herewith under the heading "Security Deposit with DISCOM". Please check this amount and report any discrepancy by furnishing documentary proof in that regard available with you, at the customer care centre of respective division office. ##Anyone treating Electricity Bill as conclusive proof of Residence is advised to verify the particulars.# Switch off lights and appliances from mains when not in use. This will conserve energy and reduce your electricity bill.

(This bill is computer generated, hence does not require signature.)

BSES

PAYNOW

Payment Slip

*** Make your cheque/DD payable to BYPL CA No. 100011201**
* Cheque should not be post dated.
* Write your telephone number on reverse of the cheque.

KN00Y100011201000028298000202108310000000010

* Cheque should be account payee and payable at Delhi
* Do not Staple.Only clip the cheque to payment slip..

Bill amount payable: Rs.282980.00 Bill month:AUG-21
Cheque/DD No. Date:

Regd.Office: BSES Yamuna Power Limited (A joint venture of Reliance Infrastructure Ltd & Govt. of NCT of Delhi) Shakti Kiran Building, Karkardooma, DELHI-110032
CIN NO.:U40109DL2001PLC111525, Telephone No: 011-39999808, Fax No: 011-30813598, Email: bypl.customercare@relianceada.com, Website: www.bsesdelhi.com

BSES

EBILL Customer

Date of Print Out: 17.08.2021

BSES Yamuna Power Ltd.

Meter Details Annexure

CA No. :100011201

Bill No. :100037018954
Bill Date :16-08-2021
Name :M/s. THE PRINCIPAL
Billing Address :KALINDI COLLEGE EAST PATEL NAGAR,,N. DELHI. DELHI

Current Demand :287150.79
LPSC :687.16
Arrear :0.00
Non Energy Amount :0.00

Net Meter Consumption Details (Date of Reading : 13-08-2021)

Total Solar Generation Units	For The Billing Period	Cumulative Generation in FY	Solar Installation Details	Date of Installation	Capacity kWp
	5313	32499		12-04-2019	61.00

B/F Units (If any)	Export Reading			Import Reading			Net Difference			Moderated Units			C/F Units (If any)
	Normal	Peak	Offpeak	Normal	Peak	Offpeak	Normal	Peak	Offpeak	Normal	Peak	Offpeak	
0	324	120	78	9078	5118	2640	8754	4998	2562	8754	5998	2050	0

(Consumption in the above table are in kWh/kVAh, as applicable)

Meter No	Units	Billed Consumption (Current)		Billed Consumption (Previous)		Multiplication Factor	Current Consumption	
		Date of Meter Reading	Reading	Date of Meter Reading	Reading		Days	Units
17136926	kWh	13-08-2021	127,623.70	15-07-2021	124,956.70	1.00	29	2,667.00
17136926	kW	13-08-2021	22.42			1.00		22.42
17136926	kVAh	13-08-2021	129,088.80	15-07-2021	126,371.10	1.00	29	2,718.00
17136926	kVA	13-08-2021	22.42			1.00		22.42
17151823	kWh	13-08-2021	5,317.70	15-07-2021	2,671.70	1.00	29	2,646.00
17151823	kW	13-08-2021	25.06			1.00		25.06
17151823	kVAh	13-08-2021	5,391.70	15-07-2021	2,702.50	1.00	29	2,689.00
17151823	kVA	13-08-2021	25.08			1.00		25.08
98695043	kWh	13-08-2021	1,045.14	15-07-2021	1,018.29	600.00	29	16,110.00
98695043	kW	13-08-2021	0.15			600.00		90.00
98695043	kVAh	13-08-2021	1,102.91	15-07-2021	1,074.85	600.00	29	16,836.00
98695043	kVA	13-08-2021	0.15			600.00		90.00
98695043	kVAhP	13-08-2021	327.62	15-07-2021	319.09	600.00	29	5,118.00
98695043	kVAhO	13-08-2021	223.09	15-07-2021	218.69	600.00	29	2,640.00
98695043	kWh_N	13-08-2021	81.25	15-07-2021	80.38	600.00	29	522.00
98695043	kWh_PN	13-08-2021	16.50	15-07-2021	16.30	600.00	29	120.00
98695043	kWh_OPN	13-08-2021	11.30	15-07-2021	11.17	600.00	29	78.00

Regd.Office: BSES Yamuna Power Limited (A joint venture of Reliance Infrastructure Ltd & Govt. of NCT of Delhi) Shakti Kiran Building, Karkardooma, DELHI-110032
CIN NO.:U40109DL2001PLC111525, Telephone No: 011-39999808, Fax No: 011-30813598, Email: bypl.customercare@relianceada.com, Website: www.bsesdelhi.com

Table 1: Water Management Information Summary Table

	Water Management (Check List)	Responses
	List uses of water in your college.	Washroom, Drinking, Garden, Laboratories, Kitchen, Construction
	What are the sources of water in your college?	Ground water *** and Delhi Jal Board (DJB) ***No permission was required when Submersible connection was started.
	How many wells are there in your college?	One well (1 Submersible (S.S.))
	No. of motors used for pumping water from each well?	3 Motors + 1 Submersible (S.S.)
	What is the total horse power of each motor?	2 Motors +1 S.S. (7.5 HP); 1 Motor (0.5 HP) for DJB water ***Average running hrs of motors - 2 hrs in regular use (1 hr in morning and 1 hr in afternoon).
	What is the depth of groundwater?	140 ft Ground water depth (Submersible)
	How does your college store water? a) Overhead tank b) Underground tank	Both (Overhead and Underground)
	Daily Quantity of water stored in your overhead water tank (in litres)?	50,000 Litres/Day in running; 2,000-2,500 Litres/Day when not in running
	Daily Quantity of water pumped every day? (in liters)	50,000+ Litres
	Locate the point of entry of water and point of exit of waste water in your College. (Give photographic Evidence)	Submersible Pump (Ground water) near entry gate; 1 DJB water entry (Photos attached) ***Main exit point of water from college is adding to Municipal sewage outlet ? – Yes
	What are the uses of waste water in your college?	Washrooms (flushing)
	What happens to the water used in your labs? Whether it is mixing with ground water?	Yes
	Is there any treatment for the laboratory wastewater?	No
	Are your labs are practicing green chemistry methods?	Yes *** For green chemistry methods followed, please see separate attachment.
	Record water use from the college water meter for one year?	1574 Units (approx.), while college in running
	Annual water charges paid to water connections, if any?	Rs 3,66,513/-, while college in running
	No. of water coolers. Amount of water used per day? (in litres).	11; 250 L/cooler (Total 2,750 Litres water)
	No. of water taps. Amount of water used per day?	Water taps = 160 ± Water used = Total 52,500 Litres (approx.)
	No. of bath rooms in staff rooms, common, hostels. Amount of water used per day?	Two (2); 2,000 Litres/day in running

	No. of toilet, urinals. Amount of water used per day?	22 Toilets, 2 Urinals; 30,000 Litres/Day (approx.)
	No. of water taps in the canteen. Amount of water used per day?	One tap (1), 500 L***/Day *** Yes, this much water is used/day
	Amount of water used per day for garden use.	2000-3000 Litres/Day (approx.)
	Amount of water used in newly construction area?	Water used per day cannot be quantified or estimated properly; as it varies.
	No. of water taps in laboratories. Amount of water used per day in each lab?	About 40; 2000 Litres/day (approx.), but it varies as per the experimental requirement.
	Does your college harvest rain water? If yes, how many rain water harvesting units are there? (Approx. amount with photographic evidence)	Yes; One rain water harvesting unit of about 20,000 Litre water capacity; Photo attached.
	Are there signs reminding people to turn off the water? ___ Yes ___No	Yes
	Is there any waterless toilets? _____	No
	How many water fountains are there? _____	NIL
	Average amount of water used to watering the ground?	Usually not required; as ground water level is quite high, soil (ground) mostly remains moist.
	Average amount of water used for bus cleaning? (litres per day)	NIL (No College Bus)
	Amount of water for other uses? (Items not mentioned above)	NIL
	Is there any water management plan for the college?	No
	Are there any water saving techniques followed in your college? What are they?	Rain water harvesting unit (Photo attached) Waste water is stored and used in academic block water tank and SA block water tank.

Figure : Water storage sites in college campus

Figure : Ground water extraction site in college campus

Figure : Rain water harvesting site in college campus

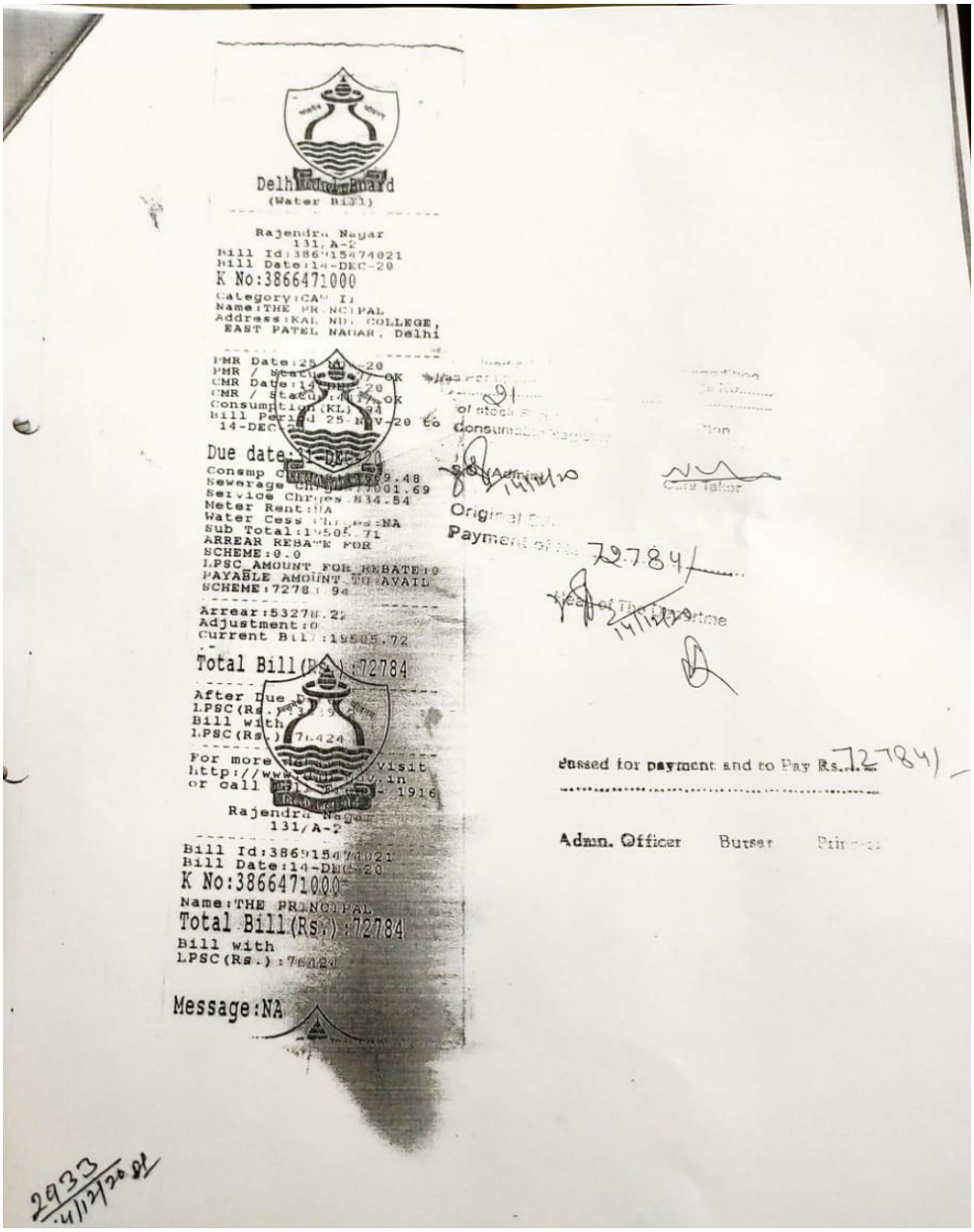
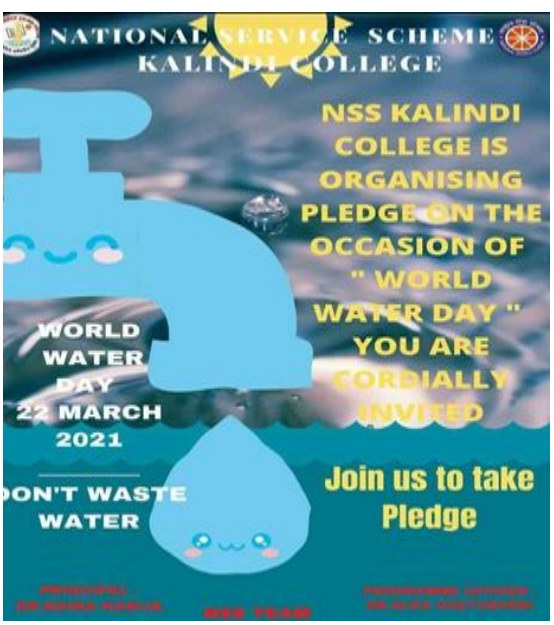


Figure : Water bill issues by Delhi Jal Board (for the year 2020)

Water Awareness Programs

World Water Day-Eco club celebrated world water day on 22 March 2021. In which students took pledge on online mode to save water. On this day an online speech competition 'AQUABLISS' was held and the topic was 'Innovative ideas for water conservation' to get to know about more practical and creative ways to conserve water.



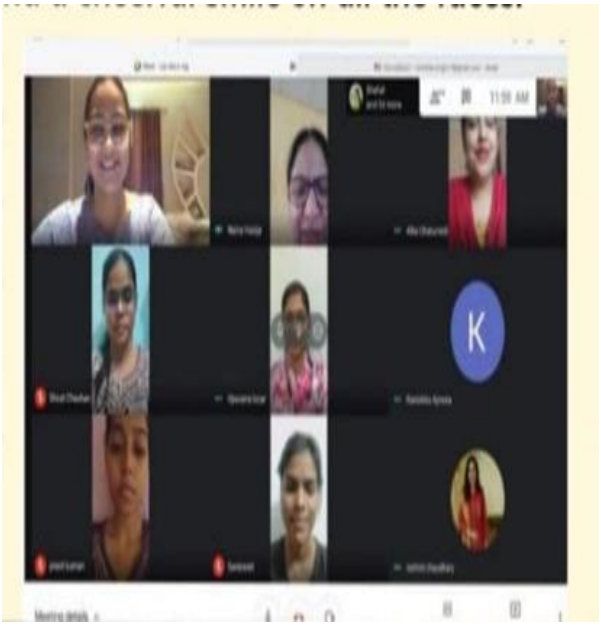


Figure : Pledge Taking ceremony On World Water Day - 22th March 2021

ANNEXURE-V

CARBON FOOT PRINT-KALINDI COLLEGE

No. of Teaching Staffs: 188
No. of Non-Teaching staffs: 76
During normal years: ~ 250 to 300 days staffs came to college
Post covid years (September2021): ~ 50 to 75 days staffs came to college

S.No.	Questions	Answers
1	Total Number of vehicles used by the stakeholders of the college (per day).Number of visitors with vehicles per day?	During normal days ~ 205 persons uses cars/scooters/motorcycles/cab/taxi/auto/metro everyday No. of visitors per day ~10 to 12 visitors per day during normal days
2	No. of two wheelers used by the staff members and students? (Annual average of fuel used)	~ 18 staff members uses average fuel ~ 120 to 230 litres annually ~ 12-15 students
3	No. of cars used per day by the staff and students of the college? (Annual average of fuel used)	~ 38 staff members uses average fuel ~ 480 to 849 litres annually No students uses car
4	No. of cycles used by the staff members and student and no. of persons using common (public) transportation?	1 faculty member uses cycle No other staff members and students use cycle ~ 195 staff members (teaching + non-teaching) uses Common public transport (Bus/Metro/Auto/Taxi)
5	Number of generators used every day (hours). Give the amount of fuel used per day? (Annual average of fuel used)	1 generator Rarely used
6	Number of LPG cylinders used in the canteen (Give the amount of fuel used per month and amount spent).	2-3 Blue commercial cylinders in 3 days (~13-14 cylinders per month) Each cylinder weighs 19kg and rates ~900Rs. The canteen has started running from last month of this year. Usage is ~1 Blue commercial cylinder in a week Each cylinder weighs 19kg and rates ~1000Rs.

<table>
<tr><td>7</td><td>Quantity of kerosene/diesel/petrol used in the canteen/labs (Give the amount of fuel used per month and amount spent).</td><td colspan="2">Canteen and labs doesn't use kerosene/diesel/petrol</td></tr>
<tr><td>8</td><td>Amount of taxi/auto charges paid and the amount of fuel used per month for the transportation of vegetables and other materials to canteen? (Please state distance travelled in kilometre).</td><td colspan="2">The vegetable dealer (Ankit sood, Azad Mandi) is the Delhi University (DU) recognized dealer. This firm supplies vegetables to DU and all its affiliated colleges and the charges are inclusive of all.
(Kalindi College to Azad Mandi distance is ~ 10.5 kms)</td></tr>
<tr><td>9</td><td>Amount of taxi/auto charges paid per month for the transportation of office goods to the college? (Please state distance travelled in kilometre).</td><td colspan="2">FOR Basis
(The dealer includes transportation charges in their final bill)
The vendors who provides office goods and lab materials to college are:
1. Delhi University Co-Operative Store Ltd.
32, chhatra marg, delhi-110007 (13 kms)
2. VL Enterprises
40, pryadarshani apartments, paschim vihar, delhi-110063 (10 kms)
3. SG Enterprises
Sudershan park, delhi-110015 (7 kms)</td></tr>
<tr><td>10</td><td>Use of any other fossil fuels (Coal, wood etc.) in the college (Give the amount of fuel used per day and amount spent).</td><td colspan="2">Fossil fuels are prohibited in the college</td></tr>
<tr><td>11</td><td>No. of air conditioners used in Class room, Staff room, faculty room?</td><td>Library</td><td>1 (5 star, voltas)</td></tr>
<tr><td></td><td></td><td>Canteen Area</td><td>2 (1 split, 1 window)</td></tr>
<tr><td></td><td></td><td>Sports Building</td><td>4 (5 star, 2 ton hitachi)</td></tr>
<tr><td></td><td></td><td>Teacher Cyber Centre</td><td>4 (5 star)</td></tr>
<tr><td></td><td></td><td>Student Cyber Centre</td><td>7 (2 ton)</td></tr>
<tr><td></td><td></td><td>Science Building</td><td>13 (9 ACs are 5-star)</td></tr>
<tr><td></td><td></td><td>TRI Building</td><td>13 (2 ACs are 5-star and 3 ACs are 3-star)</td></tr>
<tr><td></td><td></td><td>Office Building</td><td>17</td></tr>
<tr><td></td><td></td><td>Bank</td><td>3</td></tr>
</table>

CARBON FOOT PRINT-EXERCISE BY KALINDI COLLEGE, DELHI UNIVERSITY

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/11/2021 15:45:38	geetikasonkar@kalindi.du.ac.in	geetika sonkar	Environmental science	Female	Cab/Taxi	15km	In 2021 50 days	NA	NA	500		
10/14/2021 10:03:09	sushrutbhatia@kalindi.du.ac.in	Sushrut Bhatia	English	Male	Auto, Rickshaw, Cab/Taxi, Metro	16 kms	300 days/year for 2018, 2019. 70 for 2020. 20 for 2021	NA	NA	300	25	
10/11/2021 16:54:44	shipjin83@yahoo.co.in	Shipra Gupta	English	Female	Metro	25kms approx.	Approx. 240 days per year.	Not more than 20 Rs. 150/-litres a month to come to college as I used personal car sparingly.	Petrol	Rs. 150/- for metro and rickshaw. Rs. 800/- to 1000/- for car.	20-22 days	
10/11/2021 13:39:10	mamta@kalindi.du.ac.in	Ms. Mamta	Journalism	Female	Metro	25 km	2018 - 320 days (approx); 2019 - 320 days (approx); 2020 - 100 days (approx); 2021 - 50 days days (approx)	NA	Electric	160 - 200 Rs.		

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/11/2021 13:46:14	punamtyagi01@gmail.com	Dr Punam Tyagi	Economics	Female	Car	15 km	170 days in 2018,50 days in 2019,20,40 days in 2021and 30and 40 d days in 2020,	40 litres per month for 2018,38 litres per month for 2019,4 litre per month in 2020 and 10 litres in 2021	Petrol	Rs 200/		
10/11/2021 13:46:31	shalinishikha@kalindi.du.ac.in	Shalini Shikha	Geography	Female	Car	18km	Approximately 200-250 days in 2019-20	8000	Petrol	500 by Cab both way		
10/11/2021 15:47:22	Priyabalasingh@kalindi.du.ac.in	Priyabala Singh	Political Science	Female	Cab/Taxi	33 kms	-	-	CNG	-		
10/11/2021 13:49:27	vermas67@gmail.com	Anita Verma	Commerce	Female	Car	25 km	2018-250 days .19,20,21 on study leave 8-10 days	2018-60 litre n nil for other years	Petrol	NA		
10/11/2021 13:51:02	anita.tagore@gmail.com	Anita Tagore	Political science	Female	Car	44 kms	NA	5000	Petrol	800		
10/11/2021 13:52:51	kapilmohan@kalindi.du.ac.in	Dr. Kapil Mohan Saini	Chemistry	Male	Cab/Taxi	10 KM	2021: 150 days	donot know	CNG	500		

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/11/2021 18:33:50	anjalibansal@kalindi.du.ac.in	Anjali Bansal Gupta	Economics	Female	Car	1.5 km	2018 - 150days; 2019-200 days; 2020 and 2021- about 50 days. All are approximate.	2018 -15 ltr; 2019-20 ltr; 2020 and 2021-about 5. All are approximate.	Petrol	Nil	About 22	
10/11/2021 14:03:48	monik.kim@gmail.com	Monika Keisham	Botany	Female	Auto	5 km	Approximately 300	No idea	CNG	200		
10/11/2021 14:13:27	pummy@kalindi.du.ac.in	Pummy	Economics	Female	Metro	14.9 km	270	NA	Electric	100		
10/11/2021 15:05:53	lpavenine@kalindi.du.ac.in	L Paveine	English	Female	Metro	20km	700 days approx.	Na	Diesel	300		
10/11/2021 15:23:30	omprakashdu74@gmail.com	Om Prakash	History	Male	Metro	15 km.	Approximately 300,305,200,100	NA	Electric	Approximately 100 to 300		
10/11/2021 20:17:20	vibha.india1@gmail.com	Dr vibha Thakur	Hindi	Female	Metro	18K.m	2018 - 200 days 2019- 200 days 2020-60 days 2021- 30 days	NA	NA	200₹	Approx 200 days	

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/11/2021 15:47:30	priyanka1829@gmail.com	Dr Priyanka Verma	Botany	Female	Cab/Taxi	35-40 km one way	All working days till covid lock down. Rest as per college requirement. 2-3 days per week.	Cab (usually run on CNG)	CNG	1200-1500		
10/11/2021 15:48:48	madhurisingh@kalindi.du.ac.in	Madhuri Singh	Economics	Female	Metro	16km	312days	None	NA	50 per day on rickshaw and 64per day on metro ...two way		
10/11/2021 15:57:41	alkachaturvedi@kalindi.du.ac.in	DR. ALKA CHATURVEDI	Commerce	Female	Metro	12 kms	2018 - 300, 2019 - 300 , 2020 - 60, 2021 - 60 all Approx figures	Not applicable	NA	50		
10/11/2021 16:01:19	vandanarani@kalindi.du.ac.in	Vandana Rani	Political Science	Female	Car	About 20km	About 250 Days	10 k	Petrol	NA		
10/11/2021 16:11:18	naghmaeuryale@gmail.com	Dr Naghma Praween	Botany	Female	Metro	21.9 km	600 days	NA	NA	200		

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/11/2021 16:13:58	rhemantr@gmail.com	Dr.Hemant Raman Ravi	Hindi	Male	Motorcycle	26	315	30	Petrol	150	20	
10/11/2021 16:32:08	sureshmeena.foa@gmail.com	Dr. Suresh Chand Meena	Hindi	Male	Metro	25 km	Approx 500 days	NA	NA	Approx 200	20	NO
10/11/2021 17:01:30	seemamathur@kalindi.du.ac.in	Dr. Seema Mathur	Political Science	Female	Metro	Around 20km	Daily on working days	NA	Electric	Around 200 in a day	Daily	No
10/11/2021 17:19:54	ritusharma@kalindi.du.ac.in	Dr. Ritu Sharma	Political science	Female	Car	17 km	315 days	300 ltr	Petrol	500	150	Na
10/11/2021 17:44:06	phunchodolker@kalindi.du.ac.in	Phunchok Dolker	Economics	Female	Metro	12 km	2019	105 approx days (2019) , 10-20 days (2020) , 30-40 days (2021)	NA	200-300 approx	20	Nil
10/11/2021 17:51:36	mukeshgupta_1960@yahoo.in	Dr Mukesh	English	Female	Car	11 km	About 275 days per year. 660days during 2018-2021	45 L per month. Approx.1000 L during 2018-2021	Petrol	NA	22 days	Sometimes I also use auto.
10/11/2021 18:14:21	renubala@kalindi.du.ac.in	Dr Renu Bala	Chemistry	Female	Car	15 km	933 days approx	80 litres approx	Petrol	NA	22 + days	NA
10/11/2021 18:33:42	arvindkumar@kalindi.du.ac.in	Dr Aravind Kumar	Physics	Male	Car	15 kilometres	1260	120 Liters	Petrol	12000	315 days	NA

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/11/2021 18:46:12	rakheechauhan@kalindi.du.ac.in	Dr.Rakhee Chauhan	Political Science	Female	Cab/Taxi	11 kms.	2018- 170, 2019- 170, 2020-45, 2021-110	120 approx per month for 2018 and 2019 and 2020- 20 litres per month, 2021- 70 litres per month	Petrol	340 per day	20 days	
10/11/2021 18:47:12	pushpabindal@kalindi.du.ac.in	Dr. Pushpa Bindal	Physics	Female	Car	30	2018-220, 2019- 220, 2020- 60, 2021- 80	Per visit 3.5 lit	Petrol		22	
10/11/2021 18:58:14	rajeshkumarmeena@kalindi.du.ac.in	Dr. Rajesh Kumar Meena	Chemistry	Male	Cab/Taxi, Metro	20 km	2019(110 days), 2020(100 days) & 2021 (190 days)	--	NA	450	28 days	

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/11/2021 19:00:46	divyaverma@kalindi.du.ac.in	Dr Divya Verma	Botany	Female	Car, Rickshaw, Metro	25 km	225 days	30 litres	Diesel	100	20	Use car from home to College and Metro + Rikshaw from College to home.
10/11/2021 19:01:06	divyamishra2k8@gmail.com	Divya Mishra	Sanskrit	Female	Auto, Cab/Taxi	18	270, 270, 130 (lockdown), 60 (lockdown)	0	Petrol	Cab/auto -> 400/-	22	
10/14/2021 9:34:00	neha.cs@kalindi.du.ac.in	Neha Singh	Computer Science	Female	Rickshaw, Metro, by Walk	35km	2019- 90 2020- 70 2021- 85	NA	NA		22	
10/11/2021 20:03:55	induchoudhary@kalindi.du.ac.in	Dr. Indu Choudhary	Economics	Female	Car	12	200, 200, 60, 60	200, 200, 60, 60	Petrol	NA	20	

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/11/2021 20:19:46	majharali@kalindi.du.ac.in	Dr. Majhar Ali	Physics	Male	Metro	30 Km	300 days, 300 days, 260 days and 180 days aprox	NA	NA	160 per day	30	All details in approx
10/11/2021 20:21:53	renug5may74@gmail.com	Renu Gupta	Music	Female	Cab/Taxi, Metro	14 km	Approx 210 days, except in 2020-21	NA	NA	(For metro - Rs 150, cab Rs 450) both sides	Mostly metro, rarely cab	Metro is convenient and cheaper
10/11/2021 20:30:18	jitendradse@gmail.com	Jitendra Rishideo	Geography	Male	Car, Auto, Rickshaw, Cab/Taxi, Metro	15-20 km	2018-240-250 Days Approx 2019- 240-250 Days Approx 2020- 100 Days Approx 2021- 40-50 Days Approx	2018- 260-270 Litre 2019- 260-270 Litre 2020- 70-80 Litre 2021- 70-80 Litre	Petrol	Taxi-Rs. 400 Approx Metro- Rs 100	15-20 Days	NA
10/11/2021 20:43:12	amritanurag@kalindi.du.ac.in	Amrit Anurag	History	Male	Metro	20	250 days	NA	NA	100 Rupees	22	NA

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/11/2021 20:50:56	Sanjaykumarsingh@kalindi.du.ac.in	Dr Sanjay Kumar Singh	Hindi	Male	Motorcycle	11 km	Ragular every calender	207 ltr Per year	Petrol	NA	19 day	NA
10/11/2021 21:44:02	aditichowdhary@kalindi.du.ac.in	Adity Chowdhury	History	Female	Cab/Taxi	2018- From C. R. Park to Kalindi College = 18.9 km, 2019-- From Greater Noida West to Kalindi College--37.8 km	2018- 220 days, 2019- 220 days, 2020- 75 days and 2021-75 days (Approximately)	NA	CNG	Rs. 1200	The entire month	NA
10/11/2021 21:47:36	krishnakumari@kalindi.du.ac.in	Dr. Krishna Kumari	History	Female	Cab/Taxi	19 km	2018- 220 , 2019-220, 2020-75, 2021-75 (approx)	NA		1180/	Entire month	NA
10/11/2021 21:49:52	artirambinodray@gmail.com	Arti Singh	Hindi department	Female	Cab/Taxi	20 km	310	N/A	NA	500 rupees per day	20 days per month	No

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/11/2021 21:54:23	sapnavarshney@kalindi.du.ac.in	Sapna Varshney	Computer Science	Female	Car	18 Km	Joined in Feb 2021. No fixed number of days due to online classes. Two days in a week	20	Diesel		12	
10/11/2021 22:35:28	pandey.nutan20@yahoo.com	Dr.Nutan Pandey	History	Female	Car	27 km	480	Approx 60 litter	Diesel	Approx 600	20 dayes	No
10/11/2021 22:42:10	charukhanna@kalindi.du.ac.in	Charu Khanna	Mathematics	Female	Car, Rickshaw	2 km	242 days in a year.2018-242 days 2019-242 days 2020-60 days 2021-10 days	277 litre	Petrol	40/- per day	Twenty two	No
10/11/2021 22:57:49	arokiaramya@kalindi.du.ac.in	Arokia Ramya	Computer Science	Female	Car, Cab/Taxi, Metro	17	470	40	CNG, Petrol	450	10	nil
10/11/2021 23:34:06	baljitkaur@kalindi.du.ac.in	BALJIT KAUR	Hindi	Female	Metro	14km	1000	0 Litre	NA	₹ 200/-	24	NA
10/11/2021 23:57:25	nishaagoyal17@gmail.com	Dr. Nisha Goyal	Sanskrit	Female	Metro	17 km	Not remember	N.A	NA	100 rs.	Every day	

Timestamp	Email Address	Name	Departme nt	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other informatio n, if any
10/12/2021 0:07:41	ankuranand @kalindi.du .ac.in	Ankur Anand	Physics	Male	by Walk	2km	Nearly 250-300 days per year(pre covid) And post covid(100-150days)	NA	NA	NA	20	
10/12/2021 0:21:23	nehadhingra 11989@gma il.com	Dr. Neha Dhingra	Zoology	Female	Metro	10	200	Na	Petrol	500	20	
10/12/2021 2:46:43	Sunny.singh 557@gmail. com	Sunny Kumar	Departme nt of Sanskrit	Male	Auto, Cab/Taxi	14	500	30	Petrol	250-300	26	
10/12/2021 4:14:14	rajani.cs@k alindi.du.ac. in	Rajani	Computer science	Female	Car, Ricksha w, Metro, Bus, by Walk	20	300	5L,5L,6L,6L	CNG, Petrol	100	24	
10/12/2021 4:21:36	gauravkuma r@kalindi.d u.ac.in	Gaurav kumar	Journalism	Male	Car	50KM	1311	3500-4000	CNG, Petrol	400-500	30	No.
10/16/2021 14:35:09	harikishan@ kalindi.du.ac .in	Hari Kishan Bhardwaj	Mathemati cs	Male	Motorcy cle, Metro	17 km	30	15 litres	Petrol	100	10	I have joined in April 2021.

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/12/2021 7:43:40	dr.ppsaini@gmail.com	Dr. P.P. Saini	Zoology	Male	Auto, Rickshaw, Cab/Taxi, Metro, Bus	20	800	I come to College by private vehicles Therefore, No Idea	NA	500	22 days	
10/12/2021 7:46:05	ranjanaroymishra@kalindi.du.ac.in	Dr. Ranjana Roy Mishra	Botany	Female	Car, Metro	22 km	2018- 11 months- 220days 2019-same 2020- 60 days approx. due to lock down march onwards 2021- 60 days approx due to lock down in initial months	Monthly consumption- 50kg/ CNG per month 2018- 600 kg for 220 days 2019-same 2020-21- 100 kg for approx. 60 days	CNG	Approx. Rs. 60 for days travelling by metro	15days car & 7 days metro	No
10/12/2021 8:16:41	reenajain@kalindi.du.ac.in	Dr. Reena jain	Computer Sc	Female	Car	8 km	220,220,70, 90	60,60,20 liters, 50(kg Cng)	CNG	No	20 days	
10/12/2021 8:52:18	ushakpathak@gmail.com	Dr. Usha K. Pathak	Geography	Female	Car, Cab/Taxi	14 Km	2018- 290,2019- 290,2020- 55,2021-70	No personal vehicle		700-800	22	

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10/12/2021 8:52:21	gkyadav9111@gmail.com	Geeta Kumari	Geography	Female	Car, Auto, Cab/Taxi	12	2018- 290, 2019- 290, 2020- 55, 2021- 70	No personal vehicle		500-600	22 days	
10/12/2021 9:07:00	mrpawan@kalindi.du.ac.in	Dr Pawan Kumar	Department of Botany	Male	Cab/Taxi	8	2019 (approx 150 days: july-dec) 2020 (90 days approx, Jan-March i.e. before padamic) 2021 (120 days since july-till present) These numbers are approximation only.	Dont Know	CNG	200	26	NA
10/12/2021 9:09:44	aprajitagaur@gmail.com	Aprajita Gaur	CHEMISTRY	Female	Car, Metro	18 -21	NA	Not calculated	Diesel	INR 800 - 1000	20-22	No
10/12/2021 9:13:33	ritudrall@gmail.com	Ritu	Hindi	Female	Metro	15	.	N/A	NA	100	Every day	No
10/12/2021 9:33:43	sandeepkumar@kalindi.du.ac.in	Dr. Sandeep kumar	Political science	Male	Car, Metro	36 km	280 days	5000	Diesel	150	All days	No

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10/12/2021 9:46:20	preeti@kalindi.du.ac.in	Dr. Preeti Yadav	Chemistry	Female	Auto, Cab/Taxi, Metro	36	120 day	NA	NA	NA	10	...
10/12/2021 10:21:55	Sureshkumar@kalindi.du.ac.in	Suresh Kumar	Economics	Male	Car	30	##########	7,7,77	Diesel		20	
10/12/2021 10:31:05	sushil07info@kalindi.du.ac.in	Sushil Malik	Computer Science	Male	Auto, Cab/Taxi, Metro, Bus	8Km	2018 : 220, 2019 : 220, 2020. : 100, 2021: 125	2018 : 0, 2019 :0, 2020. : 0, 2021: 0	NA	40-180	30	
10/12/2021 10:48:26	drpratibha@kalindi.du.ac.in	DR PRATIBHA THAKUR	Botany	Female	Auto, Cab/Taxi	9 - 10 Km by road.	276 days approx. in 2018 and 2019, 90 days approx. in 2020. 125 days approx. till mid October in 2021.	Not clearly known as not used personal vehicle.	NA	Rs. 200-250 approx. per day	23 days approx.	NIL

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10/12/2021 10:56:45	manjusharmadu@gmail.com	Dr.Manju Sharma	Hindi	Female	Metro	30km	240 days	NA	Electric	72 per day	Approx 20days	I cm to college by Delhi Metro.
10/12/2021 11:26:46	reshuchaudhary@kalindi.du.ac.in	Reshu Chaudhary	Computer Science	Female	Rickshaw, Metro, by Walk	19	40	NA	NA	200	20	
10/12/2021 12:14:56	swatiaggarwal@kalindi.du.ac.in	Dr. Swati Aggarwal	Chemistry	Female	Car	15 km	260 days per year (approximately)	60 Litres per month (approximately)	Petrol	NA	20-25 days per month	NIL
10/12/2021 13:51:59	shilpikabalimehta@kalindi.ac.in	Shilpika bali mehta	Chemistry	Female	Car	8	200-250 in 2018,2019	30-50	Petrol	NA	20-25 days(before work from home)	
10/12/2021 14:16:46	neha.cs@kalindi.du.ac.in	Neha Singh	Computer Science	Female	Rickshaw, Metro, by Walk	~35km	2019- 90 2020- 70 2021- 85	NA	NA		22	
10/14/2021 12:24:08	rakshageeta@kalindi.du.ac.in	DR RAKSHA GEETA	Hindi	Female	Auto	13.5 km	Approx 500 days with auto	NA	NA	Approx 81000/-rs	15-20 days	No

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10/12/2021 15:18:24	mamatagyanoo@gmail.com	Mamata Chaurasia	Hindi	Female	Metro	13 km	240	9 litres	Petrol	150₹	22days	-
10/12/2021 15:20:07	kalpanakumari@kalindi.du.ac.in	Dr Kalpana Kymari	Botany	Female	Metro	22 km	#########	NA	NA	NA	25 days	NA
10/12/2021 15:25:07	rohitkumar3731@gmail.com	Rohit	Economics	Male	Metro	12 km	300 days	NA	NA	100	All days	NA

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10/12/2021 15:34:03	tarkeshwar@kalindi.du.ac.in	Dr Tarkeahwar	Zoology	Male	Auto, Cab/Taxi, Metro, Bus	15 KM	200	Nil	NA	70-150 ₹	Daily	I was on-lien from January 2020-January 2021, So didn't use any mode of transportation for Kalindi College.
10/12/2021 15:45:19	madhurijnu03@gmail.com	Madhuri meena	Geography	Female	Car	15 km	250	10k	Diesel	Na	10-15	Na

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/12/2021 16:16:25	shamajan@kalindi.du.ac.in	Shama Jan	English	Female	Metro	18 km	NA	NA	NA	500 if cab, 200 if metro.	Depends on the requirement for travel.	
10/12/2021 20:11:07	sunitasharma.sports@kalindi.du.ac.in	Dr Sunita Sharma	Physical Education	Female	Car, Auto	15 KM approx	265/ per year approx	50 L/ per month approx	Petrol	350/ approx	22 days approx	NIL
10/12/2021 21:49:10	sanavarsoham@kalindi.du.ac.in	Dr Sanavar Soham	Botany	Female	Cab/Taxi	11 km	700	70 L	CNG	Rs 120/-	20 days	NA
10/12/2021 23:00:57	parthivikhurana@kalindi.du.ac.in	Parthivi Khurana	Commerce	Female	Rickshaw, Metro, by Walk	7 km	250 approx	NA	Petrol	120	24	
10/12/2021 23:21:59	richashrutam@gmail.com	Dr. Richa	Sanskrit	Female	Rickshaw, Metro	20	2018, 2019--- 300 days 2020 --- 250 2021 -- 200	Using metro	NA	100	Always	NA

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10/13/2021 0:22:19	monicazutshi@yahoo.com	Monica Zutshi	English	Female	Car	17 km	2018 - 240 days, 2019 - 240 days, 2020 - 45 days (before pandemic) and 4 days (after first lockdown), 2021- 20 days till now (All figures approx.)	2018 & 2019 - approx. 60 litres, 2020 & 2021 - approx. 12 litres (mostly before first lockdown, since usage was concentrated in the first 2.5 months)	Petrol	NA	Pre-pandemic - approx. 22 days, post-pandemic - approx. 3-5 days per month	NONE
10/13/2021 6:18:23	upasana@kalindi.du.ac.in	Upasana Issar	Chemistry	Female	Auto, Cab/Taxi, Metro	18	2020- 50, 2021-50 to 60	NA	NA	In cab: Rs. 600 approx (to and fro) In metro: Rs. 150 approx (to and fro) In auto: Rs. 360-400 (to and fro)	22	

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10/13/2021 12:04:57	meenakshiverma@kalindi.du.ac.in	Dr. Meenakshi Verma	Chemistry	Female	Scooter	1.8	260	10	Petrol	NA	10 days	NA
10/13/2021 12:05:01	sajidiqbal@kalindi.du.ac.in	Dr. Sajid Iqbal	Chemistry	Male	Metro	22	260 days	none	NA	100	22	none
10/13/2021 20:44:58	abhishek@kalindi.du.ac.in	Dr Abhishek Kumar Singh	Mathematics	Male	Auto	25	276	NA	CNG	450	23	NA
10/14/2021 7:50:11	nishantverma@kalindi.du.ac.in	Dr Nishant Verma	Chemistry	Male	Scooter	5 km	90 days (2020), 36 days (2021)	4 litres per month (20 days)	Petrol	0	20 days	No
10/14/2021 7:55:25	neelambareja@kalindi.du.ac.in	Ms.Neelam Bareja	Mathematics	Female	Metro	21 km	2018-180. 2019-180. 2020 -60. 2021-50	N.A	Petrol	Total cost Rs.170	15 days	No
10/14/2021 9:33:26	remyakrishnan67@gmail.com	Dr. Remya Krishnan	Botany	Female	Cab/Taxi	14 Km	2021- 120 days	Dont know	Petrol	250	25	
10/14/2021 9:42:17	shrutidawar@kalindi.du.ac.in	Shruti Dawar	Commerce	Female	Car	10kms	200	50		NIL	15 days	
10/14/2021 9:49:13	ranikumari5690@gmail.com	Rani Kumari	Zoology	Female	Metro	21	240	0	NA	1000	Always	

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10/14/2021 9:58:35	snehasawai@kalindi.du.ac.in	Sneha Sawai	English	Female	Cab/Taxi, Metro	18 km	2018- approx 300 2019 - approx 300 2020 - 70 2021 - 30	--	CNG	Metro - Rs 250 Cab - Rs 450	Cab - once in 2 weeks Metro- once every week	--
10/14/2021 10:27:42	nidhikapoor@kalindi.du.ac.in	Dr. Nidhi Kapoor	Commerce	Female	Car, Metro	26 kms	2018- 200 2019- 200 2020- 80 2021- 100	2018 and 2019 travel by metro 2020- 300 litres 2021- 400 litres	Diesel		20	
10/14/2021 10:47:29	anshuchotani@kalindi.du.ac.in	Anshu Chotani	Mathematics	Female	Car	16km	240 days approximately for the years 2018 and 2019 100 days in 2020 and 80 days in 2021	-	Petrol	800	20	
10/14/2021 10:57:27	anitaeco1580@gmail.com	Ms Anita	Economics	Female	Cab/Taxi	17 km	225	NA		600 Rs.	22	

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10/14/2021 11:18:54	subathravnkt@gmail.com	Subathra V	Commerce	Female	Auto, Rickshaw, by Walk	2 Kms	2018 - NA 2019 - 140 days 2020 - 110 days approx 2021 - 70 - 80 days approx	NA	NA	100	20	
10/14/2021 11:43:22	shekhar.shashi777@gmail.com	Shashi Shekhar	English	Male	Cycle, Auto, Metro	12	180	NA	NA	200	I prefer cycling whenever possible or use metro otherwise.	
10/14/2021 11:48:14	shivchem86@kalindi.du.ac.in	Dr. Shiv Kumar	Chemistry	Male	Cab/Taxi	15 km	All working day	NA	NA	500	All working day	NA
10/14/2021 11:56:35	msvarsha@kalindi.du.ac.in	Varsha	Physics	Female	Metro	42 KM	around 220 days in 2018, around 220 days in 2019, approx 60 days in 2020 and approx.100 days in	i travel with metro, so not valid in my case	NA	120	around 22 days per month	NA

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
							2021					
10/14/2021 12:11:44	komalsinghal@kalindi.du.ac.in	Komal Mittal	Commerce	Female	Metro	34 km	Approx 320 days in a year	NA		150	26 approx	
10/14/2021 12:27:21	shwetagupta@kalindi.du.ac.in	DR SHWETA GUPTA	Chemistry	Female	Metro	15 km	156	Electric mode	NA	80	26 days	NA
10/14/2021 12:54:02	garimagaur@kalindi.du.ac.in	Garima Gaur	Mathematics	Female	Metro	14.7	250	NA	Petrol	50	20	
10/14/2021 13:30:38	manojkumar@kalindi.du.ac.in	MANOJ KUMAR	COMPUTER SCIENCE	Male	Auto	15	240	240	Petrol	300	20	
10/14/2021 14:34:09	soniakamboj@kalindi.du.ac.in	Sonia Kamboj	Commerce	Female	Auto, Cab/Taxi, Metro	8km	Do not remember	N.A.		400-500	15-20	

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/14/2021 15:27:46	mahesh@kalindi.du.ac.in	Dr. Mahesh Chand	Chemistry	Male	Car, Metro	19 km	236	42	Petrol	84	24 Days	sometimes came to college by car and sometimes came to college by metro
10/14/2021 18:42:50	anuradhakotiyal@yahoo.co.uk	Anuradha Kotiyal	Music	Female	Car, Rickshaw, Metro	26 km	484	None	Petrol, NA	240 in(metro ,auto, rickshaw) cabs 700	22	
10/14/2021 23:33:48	daesther@kalindi.du.ac.in	D A Esther	English	Female	Auto, Cab/Taxi, Metro	16 km	180 days	NA	NA	500 taxi	22-25	

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/15/2021 11:31:51	keertika@kalindi.du.ac.in	Keertika Lotni	English	Female	Metro	15.2 km	200+ approximately. July 2019 onwards.	N/A. I use metro.	NA	When using taxi, it is 200+ rupees. Charges vary.	24 app.	
10/15/2021 12:24:54	triranjitasrivastava@kalindi.du.ac.in	Dr. Triranjita Srivastava	Physics	Female	Metro	16	280, 280, 80, 50	Nil	NA	150	22	No
10/15/2021 12:51:51	naina.hasija@gmail.com	NAINA.HASIJA	COMMERCE	Female	Car	22 KM	400	60	Petrol	NIL	ALL DAYS	
10/15/2021 12:58:40	manilanarzary@kalindi.du.ac.in	Dr.Manila Narzary	Political Science	Female	by Walk	2 km	Approximately 200 days a year during 2018 and 2019 and in 2020 and 2021 approximately 30 days, hardly came due to Covid 19 lockdown.	Nil	NA	Nil	Everyday	NA

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10/15/2021 13:13:43	vanipyarilal@kalindi.du.ac.in	Vani M Pyarilal	English	Female	Auto, Cab/Taxi, Metro	19	2018-40 days approx(guest),2019-160(approx),2020-30,2021 - 40(approx)	NA	NA	Cab- 500 auto-350 metro -100	10-12 days per month due to online classes	NA
10/15/2021 18:39:21	librarian@kalindi.du.ac.in	Ms Karnika Gaur	Library Science	Female	Car	18.5 km	200 (2018), 208 (2019), 145 (2020), 125 (2021)	20 litres	Petrol	NA	20	NA
10/16/2021 12:27:42	seemagupta@kalindi.du.ac.in	Dr. Seema Gupta	Physics	Female	Car	11km	180	70 litre	Diesel		20	
10/16/2021 12:33:21	meenacharanda@gmail.com	Dr Meena Charanda	Political science	Female	Car	26	180	80	Petrol	For cab 1400	4days	No
10/16/2021 12:34:12	gunjanverma@kalindi.du.ac.in	Gunjan Verma	Commerce	Female	Car, Metro	50	-	-	CNG	100	15	
10/16/2021 12:35:48	nidhiarora@kalindi.du.ac.in	Nidhi Arora	Computer science	Female	Rickshaw, by Walk	5 km	2018and 2019-220days, 2020-20 days, 2021-100 days	0	NA	Rs 100 max	All	
10/16/2021 13:03:16	mohdnadeem.jmi@gmail.com	Mohd Nadeem	Mathematics	Male	Metro	20	240	No	Electric	100	22	

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10/16/2021 13:29:08	msbharti@kalindi.du.ac.in	Bharti	Journalism	Female	Metro	30	2020- 90 to 120 days 2021- 120 to 140 days	None	NA	Approx. 250 per day	Every Day	No
10/16/2021 13:29:51	avneeshkumar@kalindi.du.ac.in	Avneesh Kumar	Mathematics	Male	Scooter	22	280 , 280,20,85	500,500,40,170	Petrol	120	15 approx.	Nothing
10/16/2021 13:56:59	niveditagiri@kalindi.du.ac.in	Dr. Nivedita Giri	Political Science	Female	Car	18x2=36	220 days approx for 2018& 2019, 65 days in 2020, 50 days approx till Sep 2021	42 liter per month	Petrol	Nil	20 Days	NA
10/16/2021 14:03:10	rajeevkumarrai@kalindi.du.ac.in	Rajeev Kumar Rai	B.Voc	Male	Metro	40	2018-200 Days, 2019-200 Days, 2020-60 Days,2021-50 Days	NA	NA	250	22	NA
10/16/2021 14:05:13	runipundir@kalindi.du.ac.in	Dr.Rini Pundir	History	Female	Cab/Taxi, Metro	Approx. 23 km	NA	NA	NA	NA	NA	
10/16/2021 14:05:54	sunitamangla@gmail.com	Dr Sunita Mangla	Political science	Female	Car	17	1000 apx	___	Petrol	___	22-23	

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10/16/2021 14:09:37	rachanabkumar@gmail.com	Rachana Kumar	Physics	Female	Cab/Taxi	4	350	200		300	10	
10/16/2021 14:18:46	luvkush@kalindi.du.ac.in	Dr.luvkush kumar	Hindi	Male	Car	12 km	200/year	15000/-	Petrol	600-700	30	No
10/16/2021 14:25:52	utpalramjas@gmail.com	Dr UTPAL KUMAR	Political Science	Male	Car	18	270	85	Diesel		23-24	
10/16/2021 14:41:19	mahala.avijit@gmail.com	avijit mahala	Geography	Male	Cab/Taxi, Metro	11	50	0	Electric	380	10	No
10/16/2021 14:41:45	tajenderkumar@kalindi.du.ac.in	Tajender Kumar	Mathematics	Male	Auto, Cab/Taxi, Metro	16	190	NA	NA	Metro- 64 Rs. (to and fro) + Auto- 150 (to and fro), Only Auto- 300 (to and fro), Cab/taxi- 260 (to and fro)	22	
10/16/2021 14:46:43	deshraj.sanskrit@gmail.com	Dr Desh Raj	Sanskrit	Male	Cab/Taxi	15	According academic calendar	No idea	NA	600	Always	Na
10/16/2021 14:50:12	malhotra.k.nitin@gmail.	Nitin Malhotra	Political Science	Male	Auto, Metro	About 18-20	About 280 days	NA	NA	RS. 800-1000	25 days per month	NA

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
	com					KM approx						
10/16/2021 15:11:12	akhidse@gmail.com	Akhilesh Mishra	Geography	Male	Motorcycle, Car, Cab/Taxi	10	480	300	Petrol	300	25	NA
10/16/2021 15:14:17	asharma2@zoology.du.ac.in	Aakansha Sharma	Zoology	Female	Metro	8.1 km	120 (from March,2021 to August 2021)	0	Electric	80/-	24-25 (all working days)	
10/16/2021 15:15:06	harvinderkaur12345@yahoo.com	Dr.Harvinder Kaur	Sanskrit	Female	Cab/Taxi	Approx 20 km one side	As per acedmic calender	No idea	NA	Approx 350Rs one side	As per acedmic calender	NA
10/16/2021 15:19:57	manishaaroraapandit@kalindi.du.ac.in	Manisha Arora Pandit	Zoology	Female	Auto, Metro	19 kms one way	Approximately 100 for 2018, on leave in 2019-2020 and around 20 days in 2021 before going on leave in March 2021	Around 80 litres per month	Petrol	Around 50rs per day in metro plus rickshaw	Half of the month by car and the other half by metro	
10/16/2021 15:29:21	durgeshkushawaha@kalindi.du.ac.in	Durgesh kushawaha	Mathematics	Male	Cab/Taxi	20	as per need	20	CNG	600	as per need	NA

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/16/2021 15:34:01	brahmanandjnu@gmail.com	Dr. Brahma Nand	Hindi	Male	Metro	20 km	300 310 325	No		54	20 days	No
10/16/2021 15:45:41	shashi.sanskriti@gmail.com	Dr.shashi	Sanskrit	Female	Auto, Rickshaw	5km	300	Na	NA	200	20	Na
10/16/2021 16:15:00	shivkumarshastri@gmail.com	Dr. Shiv Kumar	Sanskrit	Male	Car	35	2020 - 50 days,	NA	CNG, Petrol	150	22 Days150	NA
10/16/2021 16:19:21	ritikapant@kalindi.du.ac.in	Ritika Pant	Journalism	Female	Cab/Taxi, Metro	40	2018, 2019- 280-300 days, 2020, 2021- 50 days	2018-19- 600 litres, 2020-21- 100 litres	CNG, Petrol	1000	Four times	
10/16/2021 16:19:25	rinkukaushik@kalindi.du.ac.in	Dr. Rinku Kaushik	Sanskrit	Male	Auto, Cab/Taxi, Metro	15	250 (18, 19) , 50 (2020 & 21 during lockdown)	NA	NA	150-250	20	No
10/16/2021 16:26:04	shwetaraj86@gmail.com	Shweta Raj	Commerce	Female	Car	23.3	Approx 260	N.A	CNG		25	
10/16/2021 16:37:53	deepmala@kalindi.du.ac.in	Deepmala	Sanskrit	Female	Rickshaw, Metro	25 to 30 kilometres	170 to 180 days	No	NA	132 rupees	Always	No
10/16/2021 16:43:01	kanchanbatra02@gmail.com	Dr Kanchan Batra	Zoology	Female	Metro	16	260, 260, 190,120	NA	NA	180	10 days	
10/16/2021 18:37:57	janhawi@kalindi.du.ac.in	Dr. Janhawi	Zoology	Female	Rickshaw, Metro	20 km	150-200 days	NA		120	15-20	

Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/16/2021 18:47:05	deepakyadav@kalindi.du.ac.in	Dr Deepak Yadav	Political Science	Male	Scooter, Metro	20 km	All working days	60 litres per month	Petrol	200	Always	
10/16/2021 19:28:58	shashi.jnu86@gmail.com	SHASHI BHUSHAN	GEOGRAPHY	Male	Motorcycle	22km	250days, 260, 60, 55	25liter petrol, 26, 23 , 5 and 6liter average monthly	Petrol	200₹	25 days	I use cab randomly
10/16/2021 20:57:52	kanishkabamania@gmail.com	Kanishka	Computer science	Female	Car, Metro	15km	200	NA	Petrol	40	30	
10/16/2021 22:10:13	jnusunita@gmail.com	Dr Sunita Meena	Political Science	Female	Metro	14KM	Approximately 270 days	NA	NA	around 100/	22 days	
10/16/2021 22:22:02	monikabassi@kalindi.du.ac.in	Dr. Monika Bassi	Physics	Female	Car	16	2018- 264 days 2019- 264 days 2020- 75 days 2021- 35 days	2018 - 66 litre 2019 - 66 litre 2020 - 19 litre 2021 - 9 lire	Petrol		Before COVID 20-22 days. During lockdown due to COVID, 3-4 times in a month.	
10/17/2021 8:11:42	sudhagulati@gmail.com	Sudha Gulati	Associate Professor	Female	Car	6..5km	225,225,60, NA	25, 220,220	Diesel		20	

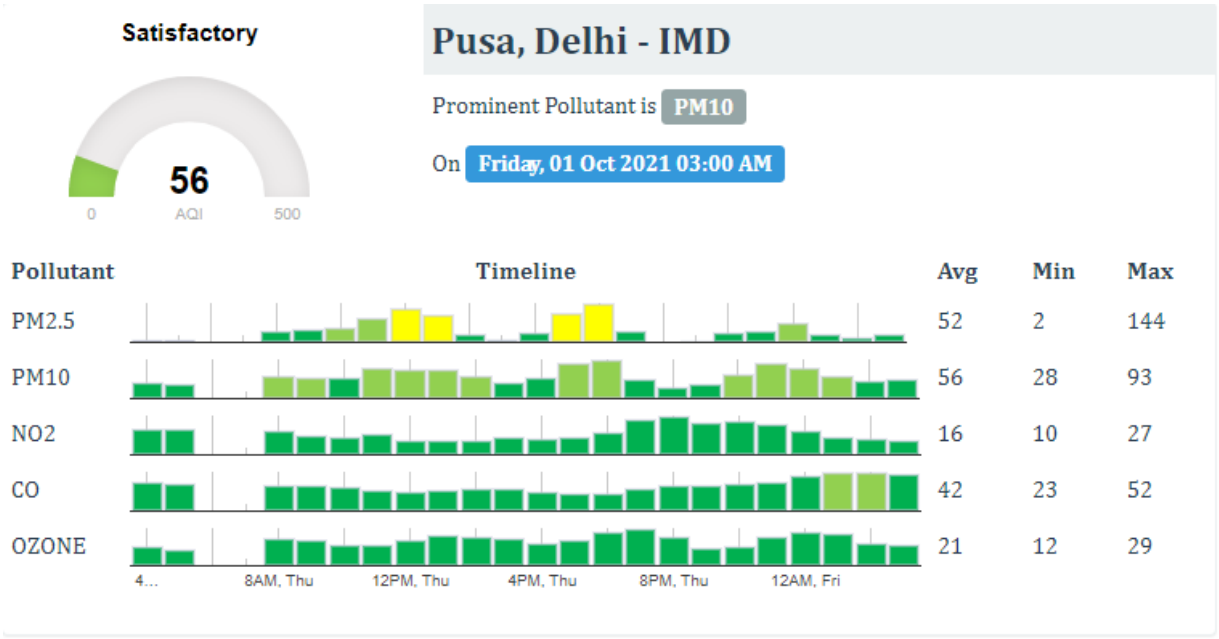
Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/17/2021 8:19:12	manjulata1965@gmail.com	DR.MANJU LATA	SANSKRIT	Female	Cab/Taxi	16 km	2018--220 days, 2019-220 days, 2020--60 days and 2021- 60 days approx	NA	NA	500	20	NA
10/17/2021 9:46:13	anshula30@yahoo.com	Anshula	Computer Science	Female	Car	29km	2018 - 200 (Approx) 2019- 200 (Approx) 2020 - 50 (Approx) 2021 - 30 (Approx)	70-75 ltr approx	Diesel, Petrol		Always	
10/17/2021 13:36:29	varsha@kalindi.du.ac.in	Varsha Singh	Zoology	Female	Car	9	240, 230, 85, 45	480, 460, 170, 90	Petrol	NA	20	
10/18/2021 0:07:32	rashmimenon@kalindi.du.ac.in	Dr. Rashmi Menon	Physics	Female	Car	20km one way	1000 aprox	100lt approx in a month	Petrol	NA	22	No
10/18/2021 1:31:35	seemasahdev@yahoo.com	Seema Sahdev	Geography	Female	Car	13	Approx 25o days	Approx 50 liters	Petrol	N A	Three days	
10/18/2021 9:39:26	pandey.sudha75@gmail.com	SUDHA PANDEY	PHYSICAL EDUCATION	Female	Auto	5 KM	500 days approx	NIL	NA	140/-	22 DAYS	NO
10/18/2021 9:54:06	tanusharma@kalindi.du.ac.in	Tanu Sharma	English	Female	Auto, Cab/Taxi, Metro	11.5	570	NA	NA	130-150	22	

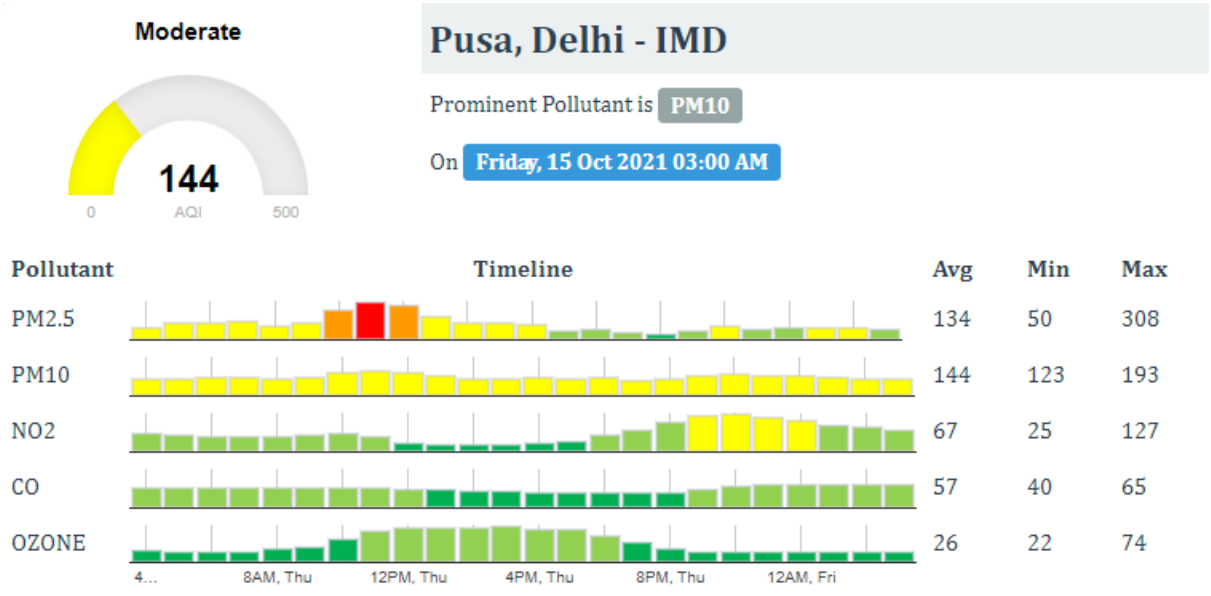
Timestamp	Email Address	Name	Department	Gender	Which mode do you use to come to college?	Distance from home to college (in km)	How many days (approx) in a year you came to college? Please mention days (approx) for the years 2018, 2019, 2020 and 2021	Monthly consumption of fuel (approx in litres)?? Please mention monthly fuel consumption (approx) for the years 2018, 2019, 2020 and 2021	Which fuel is used in the vehicle? (only in case of personal vehicles)	Amount of cab/taxi/ auto/rickshaw /bus/metro charges paid in a day	How many days per month do you use the above selected modes of transport?	Other information, if any
10/18/2021 10:09:29	arunjit@kalindi.du.ac.in	M. Arunjit Singh	Botany	Male	Cab/Taxi	10 km	All working days	No information	NA	230 one way	20-26	
10/18/2021 10:56:31	indarpalsingh@kalindi.du.ac.in	Dr. Indarpal Singh	Mathematics	Male	Motorcycle, Metro	21 km	280, 283, 110, and 80	260, 262, 110, and 85	Petrol	Rs. 90/.	24/25 day	No information
10/18/2021 11:11:36	sanjaykumar@kalindi.du.ac.in	Sanjay Kumar	Mathematics	Male	Motorcycle, Car, Metro	30 km	280, 282, 110, and 90	1400, 1410,550 and 450	Petrol	130	24/25	no Information
10/20/2021 21:41:37	manisharajeev999@gmail.com	Dr. Manisha Tomar	Journalism	Female	Car	7 km	Aprox. 300, 300, 100, 200	Aprox. 44 litres, 44, 30, 40	Petrol	N.A	Aprox. 22 days	N.A

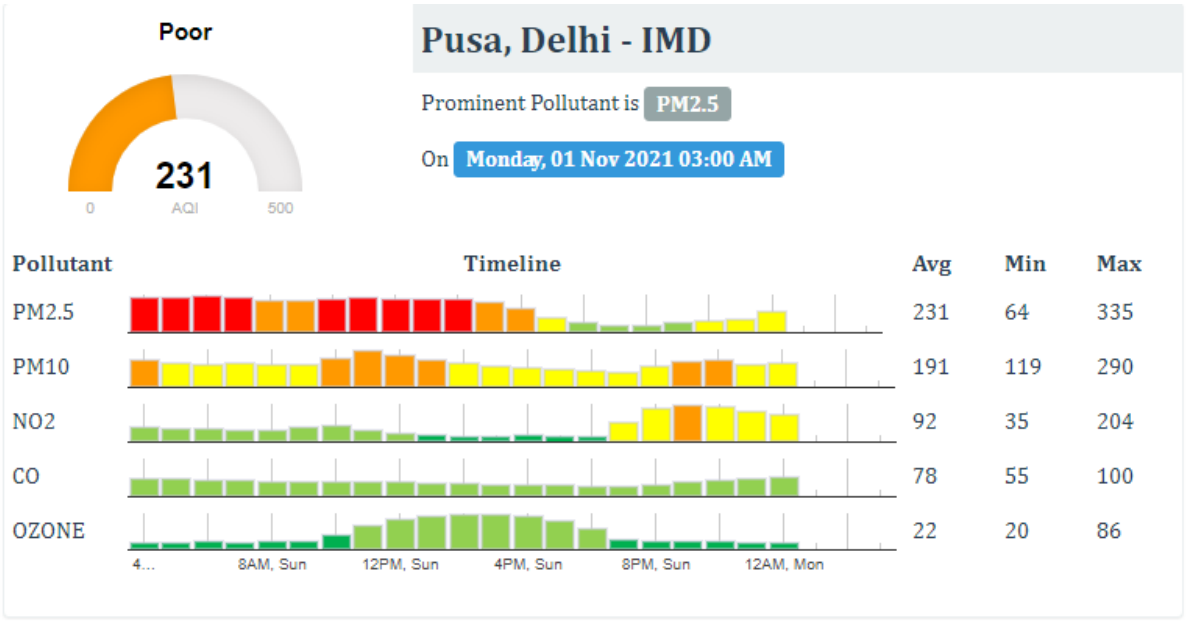
Clean Air (Campus Desirable Ambient Air)

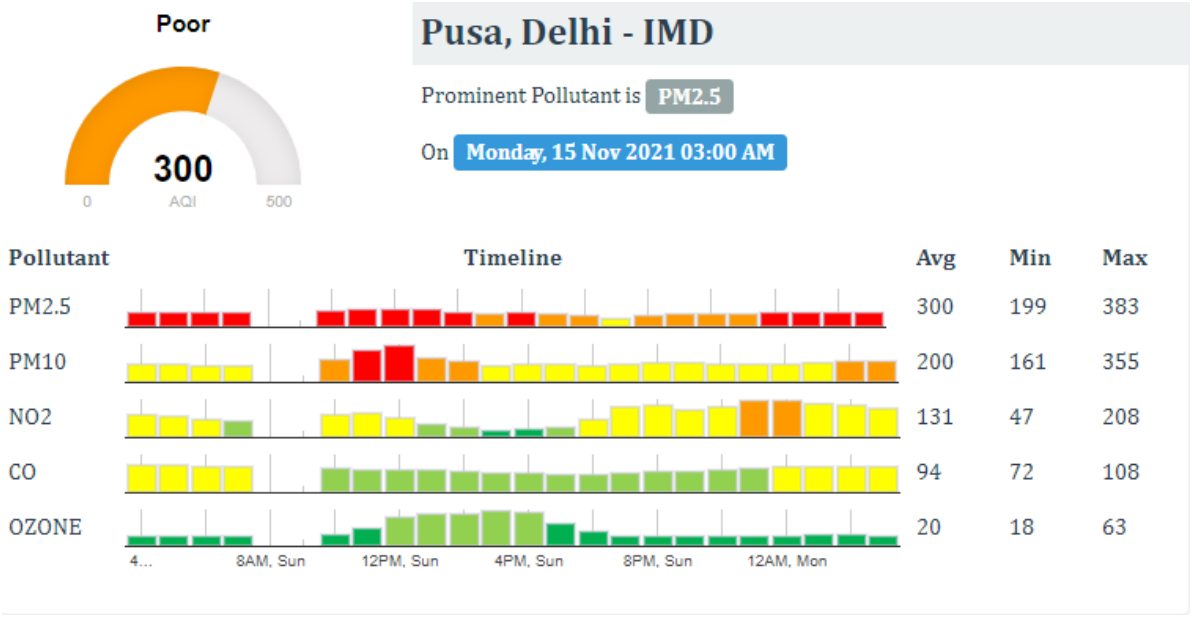
Ambient Air Quality Data (Source :CPCB, Webpage: https://app.cpcbccr.com/AQI_India/)

Location : IMD Real time monitoring station, PUSA campus (5.5 Km from Kalindi College)






Poor
231
0
AQI
500
Pusa, Delhi - IMD
Prominent Pollutant is PM2.5
On Monday, 01 Nov 2021 03:00 AM
Pollutant
Timeline
Avg
Min
Max
PM2.5
231
64
335
PM10
191
119
290
NO2
92
35
204
CO
78
55
100
OZONE
22
20
86
4...
8AM, Sun
12PM, Sun
4PM, Sun
8PM, Sun
12AM, Mon


Poor
300
0
AQI
500
Pusa, Delhi - IMD
Prominent Pollutant is PM2.5
On Monday, 15 Nov 2021 03:00 AM
Pollutant
Timeline
Avg
Min
Max
PM2.5
300
199
383
PM10
200
161
355
NO2
131
47
208
CO
94
72
108
OZONE
20
18
63
4...
8AM, Sun
12PM, Sun
4PM, Sun
8PM, Sun
12AM, Mon

Environmental Legislation

The Central Pollution Control Board's has released publication on *"Pollution Control Acts, Rules and Notifications issued thereunder"*. The fourth Edition of this series was published in September, 2001. In the fifth edition of the Pollution Control Law Series, several Notifications, recently amended Rules and Notifications have been incorporated. In Schedule VI of the Environment (Protection) Rules, 1986 the following new standards have been incorporated:

1. Noise Limit for Generator Sets run with Diesel;
2. Emission Limits for new Diesel Engines (upto 800 KW) for Generator Sets (Gensets) Applications;
3. Emission Standards for Diesel Engines (Engine rating more than 0.8 MW (800 KW) for Power Plant, Generator Set) Applications and other Requirements;
4. Boilers Using Agriculture Waste as Fuel; and
5. Guidelines for Pollution Control in Ginning Mills.

The amendments with respect to the Hazardous Waste (Management and Handling) Rules, 1989, the Noise Pollution (Regulation and Control) Rules, 2000 and Recycled Plastics Manufacturer, Sale and Usage Rules, 1999 have been incorporated in the respective Rules. Several other amendment Notifications issued on Environment Impact Assessment (EIA), Coastal Regulation Zone (CRZ), Committees constituted pursuant to the Hon'ble Supreme Court orders, utilization of flyash have also been incorporated. In this edition, more than 650 pages containing the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Water (Prevention and Control of Pollution) Cess Act, 1977, the Environment (Protection) Act, 1986 and their Rules and Notifications were retyped to ensure better quality of printing. The content pages have also been rearranged so that all the Acts, Rules and Notifications could be seen at a glance.

Social welfare & community outreach

1. List of activities organized in the last one year with suitable photographs

Yes, we have an ECO CLUB. Eco Club Convener: Dr. Seema Sahdev Co-Convener: Prof. Punita Verma ECO CLUB of Kalindi College, University of Delhi is a multidimensional, highly active society that runs in coordination with the department of environment, Govt. of NCT of Delhi. The Eco Club plays an important role in creating environmental awareness amongst the future generation. Eco club is a group of teachers and students dedicated to making our campus less wasteful, raising awareness for eco-friendly causes and promoting environmentally friendly habits like reducing, reusing and recycling. The main objectives of eco club include:

• Motivate the students to keep their surroundings green and clean by undertaking plantation of trees.

• Sensitize the students to minimize the use of plastic bags, not to throw them in public places as they choke drains and sewers, cause water logging and provide breeding ground for mosquitoes. • Organize tree plantation programmes, awareness programmes such as quiz, essay, painting competition, rallies, Nukkad Natak etc. regarding various environmental issues.

• Build an attitude to help individuals and social groups acquire a set of values and feelings of concern for environment and the motivation for actively participating in environmental implement and protection.

• Teach skills to students to help individuals to identify and solve environmental problems.

Orientation programme - Eco Club Organized online orientation programme on 18th Nov 2020 with aim to familiarize students to campus environment and infrastructure. In this programme freshers were enlightened with all the work of Eco-Club such as health awareness Campaign, Clean Campus Campaign, no Cracker Campaign and other activities hosted by Eco- club.

Ozone Day - On 16 Sep 2020 Eco club organized an online event to commemorate the Annual Ozone Day. Participants from various colleges participated in activities like poster making competition on the topic 'Ozone for life', Essay Writing Competition on the topic 'Determinism and possibilism in the context of global pandemic situation of Corona', online photography competition on the topic 'Nature: the hostile guardian'. On this day Dr. Jagbir Singh, Associate Professor from Swami Shraddhanand College, University of Delhi enlightened the students on the role and properties of ozone layer, the importance of ozone layer preservation. On this day a presentation competition was organized on the negative and positive role of technology. Open mic competition was also organized on the topic 'Voice of earth'. All competitions were judged by Dr. Krishnanand, consultant and Educator of Geography.

World Water Day-Eco club celebrated world water day on 22 March 2021. In which students took pledge on online mode to save water. On this day an online speech competition 'AQUABLISS' was held and the topic was 'Innovative ideas for water conservation' to get to know about more practical and creative ways to conserve water.

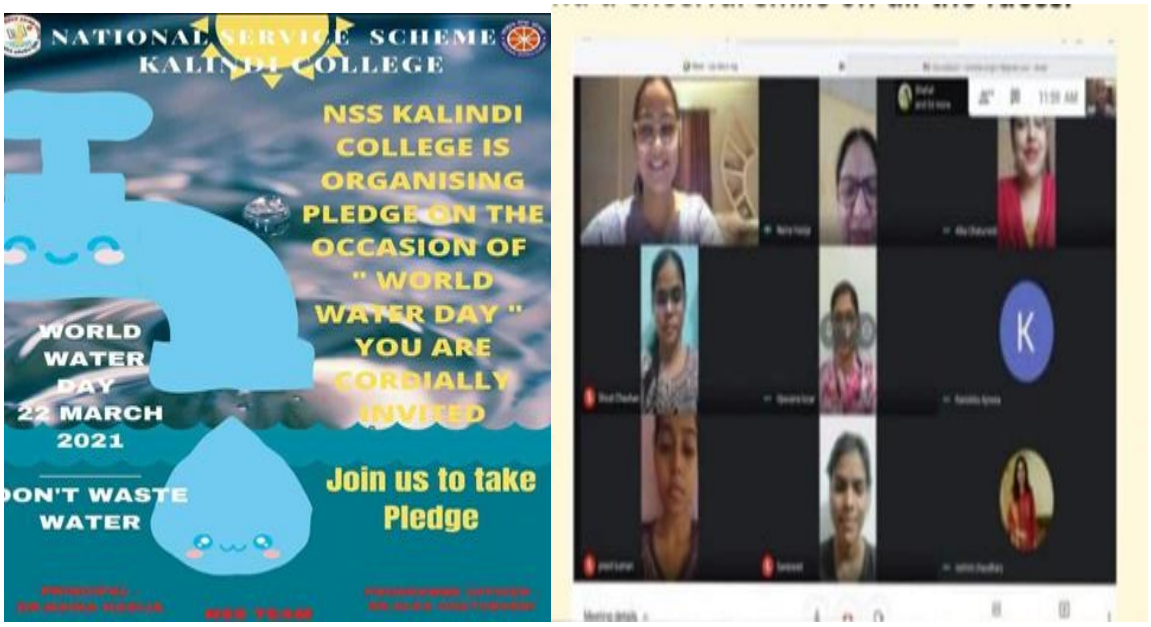
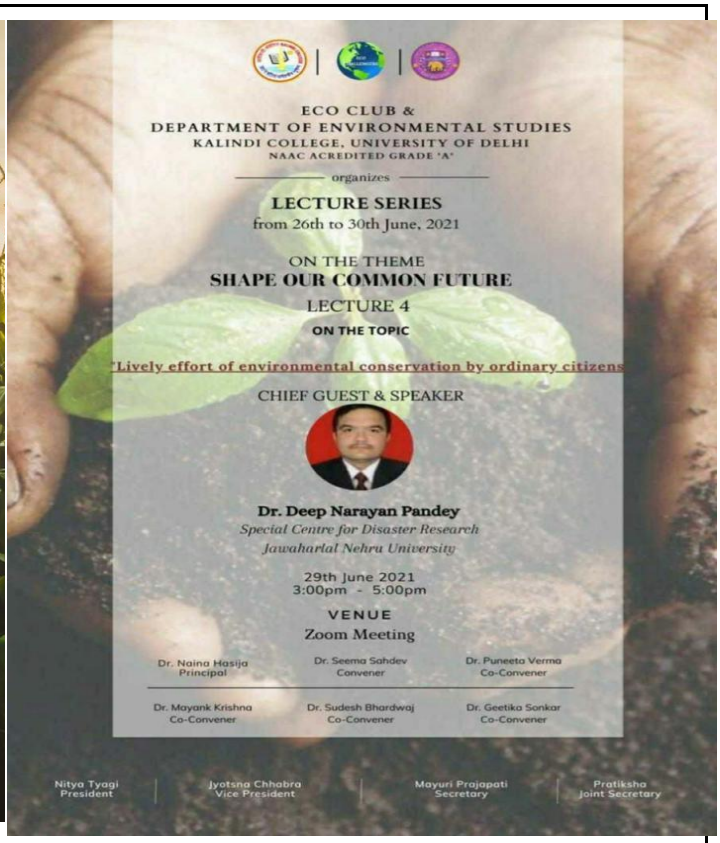


Figure 4 : PLEDGE TAKEN ON WORLD WATER DAY - 22TH MARCH 2021

World Environment Day-Eco-Club celebrated World Environment Day on 5th June 2021 and organized an online speech competition 'PLANTEERS' on the topic 'Consumerism and waste management'. The aim of this competition is to equip young students with the skills of thinking clearly, speaking persuasively and listening to the opinions of others critically and constructively, seeking to maximize economic benefit at acceptable costs and seeking to minimize environmental impact. The competition was judged by Dr. Shweta Jha, Associate Professor from Apeejay School of Management.

Lecture Series on Theme 'SHAPE Our Common Future'- Eco club Organized five days Lecture series on theme 'SHAPE Our Common Future' from 26 June to 30th June 2021. Dr. Jayant K. Tripathi, Professor of School of Environment Sciences, JNU gave an inaugural talk on 'Natural Air Conditioning of Mother Earth'. Distinguished speaker Prof. Radhey Shyam Sharma from Department of Environmental studies, University of Delhi delivered a lecture on the topic 'Ecological Entrepreneurship for shaping the earth for peace, progress and prosperity'. He explained various approaches to shape our earth for prosperity and betterment of our lives and also focused on the key components of a strong Entrepreneurial ecosystem. Distinguished guest speaker Dr. Deep Narayan Pandey from Special Centre for Disaster Research JNU explained about various approaches to environmental protection and the ways to conserve Environment by ordinary citizens. Honorable Speaker Prof. Sreenivasan Rao Kottapalli, from Department of Botany, University of Delhi gave a lecture on the topic 'Socio-Economic Dimension of Ecological Restoration. He explained about traditional Ecological knowledge and Restoration of Ecology. Dr. Chander Singh, Assistant Professor of TERI University talked on the topic 'water, Society and Sustainability'. During the Lecture Series, student's activities were also organized. Group discussion was organized on the topic 'Reconciling Environmental Conservation with Economic Development'.


ECO CLUB &
DEPARTMENT OF ENVIRONMENTAL STUDIES
KALINDI COLLEGE, UNIVERSITY OF DELHI
NAAC ACREDITED GRADE 'A'
organizes
LECTURE SERIES
from 26th to 30th June, 2021
ON THE THEME
SHAPE OUR COMMON FUTURE
Photography Competition
ON THE TOPIC
THE GOLDEN LANDS
Last date of submission
12th July 2021
Send Your Entries Now
Bringing Frams to Frames
Dr. Naina Hasija
Principal
Dr. Seema Sahdev
Convener
Dr. Puneeta Verma
Co-Convener
Dr. Mayank Krishna
Co-Convener
Dr. Sudesh Bhardwaj
Co-Convener
Dr. Geetika Sonkar
Co-Convener
Nitya Tyagi
President
Jyotsna Chhabra
Vice President
Mayuri Prajapati
Secretary
Pratiksha
Joint Secretary


ECO CLUB &
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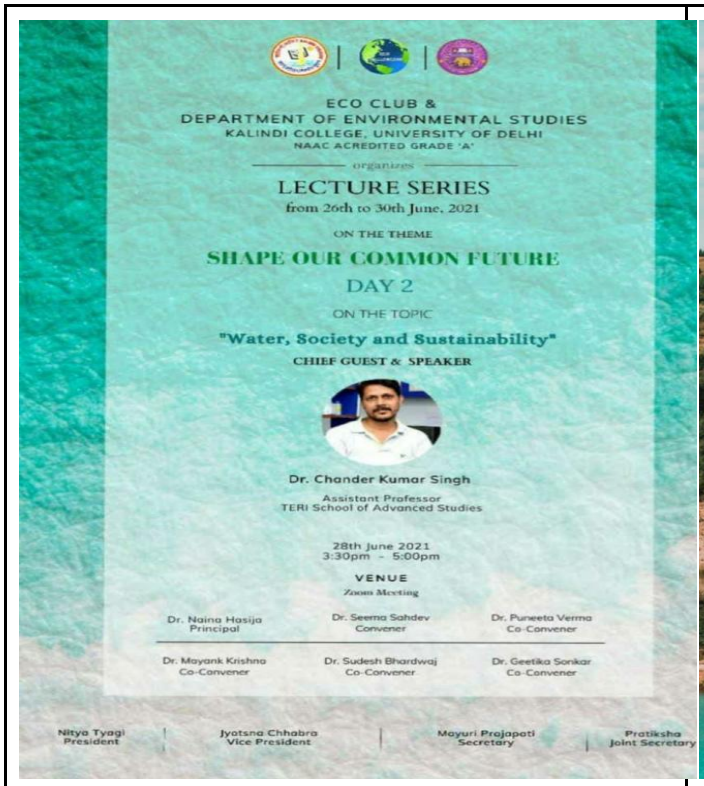
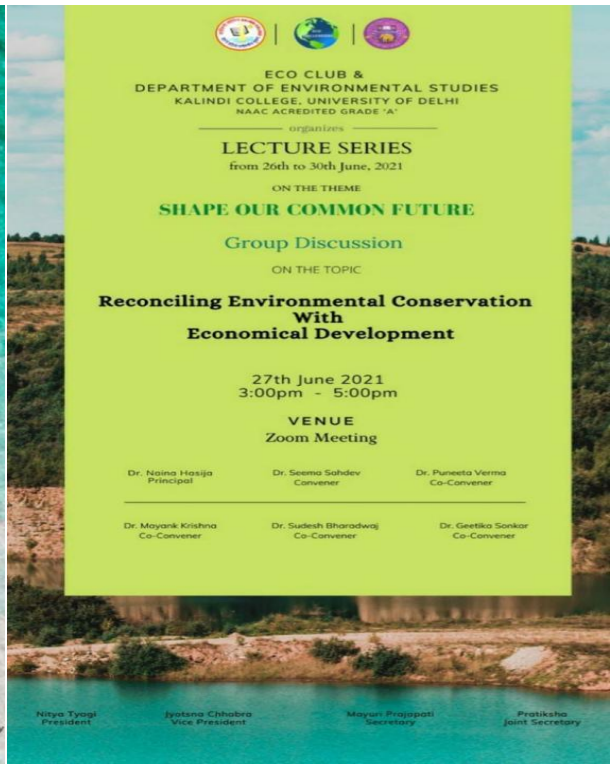
KALINDI COLLEGE, UNIVERSITY OF DELHI
NAAC ACREDITED GRADE 'A'
organizes
LECTURE SERIES
from 26th to 30th June, 2021
ON THE THEME
SHAPE OUR COMMON FUTURE
LECTURE 4
ON THE TOPIC
"Lively effort of environmental conservation by ordinary citizens
CHIEF GUEST & SPEAKER
Dr. Deep Narayan Pandey
Special Centre for Disaster Research
Jawaharlal Nehru University
29th June 2021
3:00pm - 5:00pm
VENUE
Zoom Meeting
Dr. Naina Hasija
Principal
Dr. Seema Sahdev
Convener
Dr. Puneeta Verma
Co-Convener
Dr. Mayank Krishna
Co-Convener
Dr. Sudesh Bhardwaj
Co-Convener
Dr. Geetika Sonkar
Co-Convener
Nitya Tyagi
President
Jyotsna Chhabra
Vice President
Mayuri Prajapati
Secretary
Pratiksha
Joint Secretary





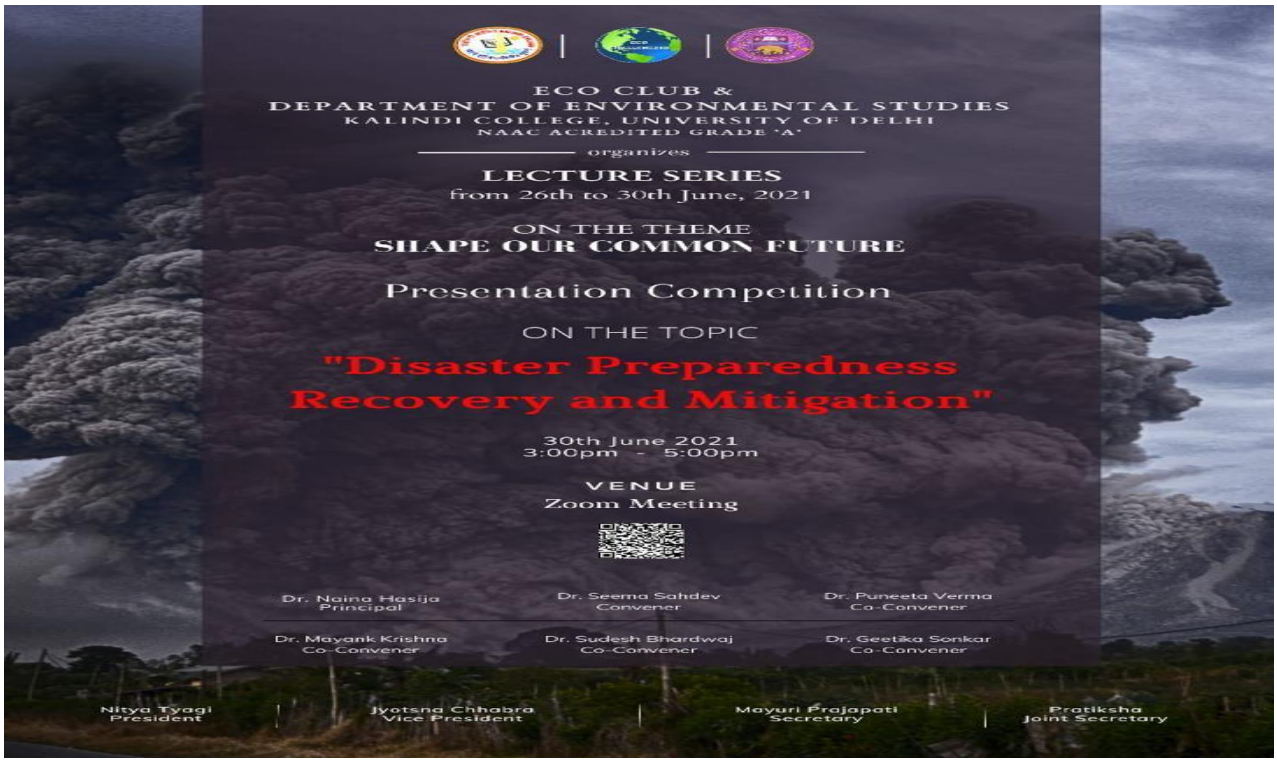


Figure 5: Lecture series on theme 'SHAPE Our Common Future'

Achievement of Students

S.No	Name of Event	Position	Name of winners	Name of College
1	AQUABLISS	I	Shreeyon Das	Kalindi College
		II	Rishika	
2	PLANETEERS	I	Anjali Jakhar	Kalindi College
		II	Himanshi	
3	Group Discussion on Reconciling Environmental Conservation with Economic Development	I	Gauri Dhyani	Kalindi College
		II	Asha Kumari	
		III	Jyotasna Chhabra	
4	PPT Competition on Disaster Recovery and Prepareness	I	Jyotasna Chhabra	Kalindi College
		II	Asha Kumari	
		III	Harshita	
5	Online Photography Competition	I	Ishani Trehan	Kalindi College
		II	Zaniab Jamil,	
6	Essay Writing	I	Adhya Burman,	Dyal Singh College
		II	Diksha Singh,	
7	Presentation Competition	I	Shreeyon Das,	Shaheed Bhagat Singh College
		II	Tenzin Delek,	Shivaji College
		III	Gauri Sharma	Kalindi College
8	Poster Making	I	Shatakshi Sah	Aditi Mahavidyalaya
		I	Rishu Verma	Ramanujan College
		II	Shruti Chauhan	Kalindi College

8. What are the nature awareness programmes conducted in the campus? (2020-21)

- **N**ational service scheme (NSS) team of Kalindi College has a Tree plantation drive- The drive was conducted on the occasion of Independence Day 15th August 2020, to create awareness among students to plant more trees. Planning of trees is especially important to protect our environment against air pollution and global warming. To this end, our young volunteers have been actively involved in organizing tree plantation campaigns.
    -
- **Plantation drive**- Volunteers of NSS Kalindi College with other students conducted a plantation drive on 5th may 2021. The drive was a major success after planting a good amount of trees. We left off the event by spreading the message about the importance of trees to combat climate change, global warming and rising air pollution.

Figure 6: TREE PLANTATION On 15 AUGUST 2020

- **Orientation programme**- Eco Club organized an online orientation programme on 18th Nov 2020 with aim to familiarize students to campus environment and infrastructure. In this programme freshers were enlightened with all the work of Eco-Club such as health awareness Campaign, Clean Campus Campaign, no Cracker Campaign and other activities hosted by Eco-club.
- **Ozone Day**- On 16 Sep 2020 Eco club organized an online event to commemorate the Annual Ozone Day. Participants from various colleges participated in activities like poster making competition on the topic 'Ozone for life', Essay Writing Competition on the topic 'Determinism and possibilism in the context of global pandemic situation of Corona', online photography competition on the topic 'Nature: the hostile guardian'. On this day Dr. Jagbir Singh, Associate Professor from Swami Shraddhanand College, University of Delhi enlightened the students on the role and properties of ozone layer, the importance of ozone layer preservation. On this day a presentation competition was organized on the negative and positive role of technology. Open mic competition was also organized on the topic 'Voice of earth'. All competitions were judged by Dr. Krishnanand, consultant and Educator of Geography.
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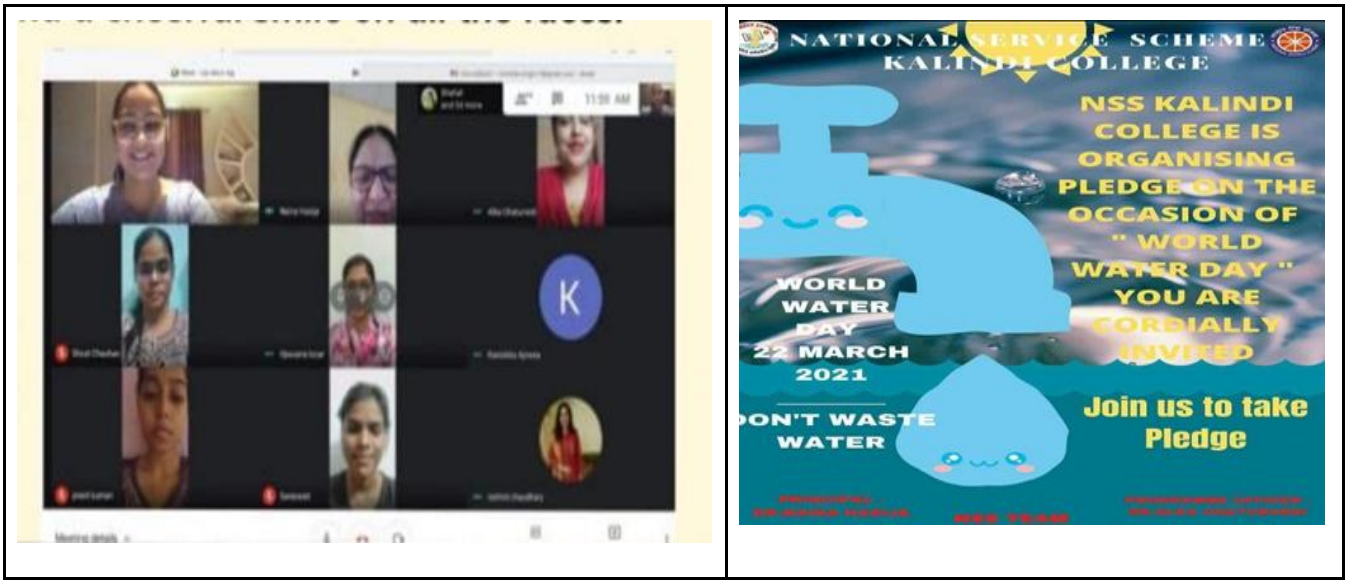

FIgure 7: PLEDGE TAKEN ON WORLD WATER DAY - 22TH MARCH 2021

- **World Environment Day**-Eco-Club celebrated World Environment Day on 5th June 2021 and organized an online speech competition 'PLANTEERS' on the topic 'Consumerism and waste management'. The aim of this competition is to equip young students with the skills of thinking clearly, speaking persuasively and listening to the opinions of others critically and constructively, seeking to maximize economic benefit at acceptable costs and seeking to minimize environmental impact. The competition was judged by Dr. Shweta Jha, Associate Professor from Apeejay School of Management.
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- **Lecture Series on Theme 'SHAPE Our Common Future'-** Eco club organized a five days Lecture series on the theme 'SHAPE Our Common Future' from 26 June to 30th June 2021. Dr. Jayant K. Tripathi, Professor of School of Environment Sciences, JNU gave an inaugural talk on 'Natural Air Conditioning of Mother Earth'. Distinguished speaker Prof. Radhey Shyam Sharma from Department of Environmental studies, University of Delhi delivered a lecture on the topic 'Ecological Entrepreneurship for shaping the earth for peace, progress and prosperity'. He explained various approaches to shape our earth for prosperity and betterment of our lives and also focused on the key components of a strong Entrepreneurial

ecosystem. Distinguished guest speaker Dr. Deep Narayan Pandey from Special Centre for Disaster Research JNU explained about various approaches to environmental protection and the ways to conserve Environment by ordinary citizens. Honorable Speaker Prof. Sreenivasan Rao Kottapalli, from Department of Botany, University of Delhi gave a lecture on the topic 'Socio-Economic Dimension of Ecological Restoration. He explained about traditional Ecological knowledge and Restoration of Ecology. Dr. Chander Singh, Assistant Professor of TERI University talked on the topic 'water, Society and Sustainability'. During the Lecture Series, student's activities were also organized. Group discussion was organized on the topic 'Reconciling Environmental Conservation with Economic Development'.

- **Garden committee**-Kalindi College has put in efforts to transform every untouched nook and corner into green areas through the myriad shades of colour of plants and flowers. Our college actively participated in the plantation drive "Varsha Vriksharopan 2020" organized on October 17th, 2020 by Delhi University Garden. On this occasion, the Chairman and the principal of the college initiated the plantation drive. Members from the Governing Body and faculty from college also participated in this plantation drive. Saplings of various native species provided by the Delhi University Garden committee were utilized for plantations, boundary wall layering, and gap fillings of our College. These include Delonix regia (Gulmohar), Aegle marmelos (Bael), Butea monosperma (Dhak), Azadirachta indica (Neem), Tamarindus indica (Imli), Madhuca indica (Mahua), Mangifera indica (Aam), and other flowering tree species, palms and shrubs.

  A webinar on Topic: "Restoring Biodiversity for Environment Sustainability & Seasonality of Gardens" organized by Kalindi College, University of Delhi, on Google meet, October 15, 2020.By eminent Speaker: Dr. Faiyaz A. Khudsar Scientist In charge Yamuna Biodiversity Park Centre for Environmental Management of Degraded Ecosystems University of Delhi, India. A total of 80 participants from different colleges of Delhi University were present at the event. Dr. Faiyaz emphasizes his talk on the Environmental Management of Degraded Ecosystems and seasonality in gardening. The hard work of all the gardeners is commendable in maintaining such species and achieving the desired goals.

Figure 8: Varsha Vriksharopan event

Eco club organized a webinar on 16th September 2020 the theme was "Ozone for Life" and organized an online speech competition for the celebration of World Water Day on 22nd March 2021 on the topic Innovative ideas for water conservation. The club also organized an online speech competition on the occasion of World Environment Day on 5th June 2021 on the topic of Consumerism and Waste management. Last but not least, the club had organized an online lecture series on 30th June 2021 and have the Group Discussion Competition and PowerPoint Presentation Competition.

Events Conducted by Botany Department Amaranth Society

- **25 September 2020** : Virtual Excursion to Botanical Gardens i.e. Acharya Jagadish Chandra Bose Indian Botanic Garden, Howara,West Bengal; NBRI Lucknow and FRI Dehradun for the Students of BSc (Hons) Botany and Life Science
- **07 October 2020**:Inter-college Essay Writing competition on Forest-the Lungs of Nature.
- **27 January 2021**: Poem writing and Painting competition(Inter-College) Event Theme: Nature is an inspiration of Every Artist.

- **02 February 2021**: Wetland Day Celebration (Inter-College) Competition Theme: A Revisit to Nature in Urban Landscape . Animated Poster making and E-Painting Competition
- **5 February 2021:** Virtual Excursion to Botanical Gardens i.e.Sultanpur National Park;Yamuna Biodiversity Park and Aravali National Park for the students of BSc (Hons) Botany, Zoology and B.Com (Hons).

Figure 9: Events of Botany Department

- **The Environmental Science** As a part of the syllabus,during this academic session while navigating through Covid period, organized the virtual excursion to the Botanical Gardens i.e. Sultanpur National Park; Yamuna Biodiversity Park and Aravali National Park for the students who opted for this course in this semester. . We have celebrated World Environment Day (June 5, 2021) in online mode due to the ongoing pandemic in which 57 students of various courses had participated under different categories of events. A4 days lecture series was also organized in collaboration with the ECOCLUB from 26th – 30th June, 2021. The theme for the lecture series was "SHAPE our Common Future", where SHAPE is an acronym incorporating Security, Health, Agriculture, Pedagogy, and Environment and covers the holistic dimensions of environmental science. In this lecture series eminent scientists from diverse backgrounds and different institutions were invited to deliver the talks and enlighten the students with their knowledge and research experience. The details of various events organized by the department are tabulated below

EVENT: LECTURE SERIES "SHAPE OUR COMMON FUTURE" (26th June to 30th June, 2021)			
S.No.	DATE	EVENT	TOPIC
1.	26.06.2021	Seminar	"Natural air conditioning of earth (Speaker: Prof. Jayant K. Tripathi, SES, JNU)
2.	27.06.2021	Group Discussion	Reconciling Environmental Conservation with Economical Development.
3.	28.06.2021	Seminar	Water, Society, Sustainability (Speaker: Dr. Chander K. Singh, TERI SAS)
4.	29.06.2021	Seminar/Events	Socio-economic dimensions of Ecological Restoration (Prof. K.S. Rao, Department of Botany, Delhi University) Events: Powerpoint presentation competition: "Disaster, Preparedness and Recovery"
5.	30.06.2021	Seminar	"Ecological Entrepreneurship for Shaping the earth for peace, progress and prosperity" (Prof. Radheyshyam Sharma (Department of Botany, Delhi University)

For future activities we are trying to establish a traditional knowledge society of the Environmental studies Department. Through this society we would like to organize various events/seminars/Group discussions for a wider outreach and cover the multidimensionality of our environment and making the future a sustainable one. We are also planning to bring out our magazines and newsletters etc. Department of Environment Science will also work hard to make our campus green and sustainable and as an initiative we are working on the green audit of our college campus

Geography Panel Discussion- Panel Discussion was organized on the topic 'The Emerging Shields of the Environment'. The Panel consisted of prominent personalities as environmentalists and Social Activist i.e. Mr. Arun Krishnamurthy, Environmental Activist and Founder of Foundation of India, Mr. Rajesh Kumar Suman, Founder of Green Pathshala, Mr. Shyam Sundar Jyani, professor, Dungar College, Bikaner and Ms. Parmita Sarna, Social Activist, Co-Founder and Associate Director, Akshar Foundation. The panelists gave a great insight into environmental problems and ways to minimize them. online photography on the topic 'Green Focus', online Documentary making on the topic 'Wounds of the nature', Face painting on 'Camouflage with nature', Mono-Act on 'Emotions of Nature' and a Group Discussion on different topic complementing to the theme of the fest.

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