

## **GREEN AUDIT REPORT**



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**Government College for Girls, Palwal, Kurukshetra, Haryana**  
**Year 2023-24**

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## **CHAPTER-1** **INTRODUCTION**

### **1.1 About College**

From the day of its establishment, **Government College for Girls, Palwal, Kurukshetra** has been providing quality education to the rural students in and around Kurukshetra district of Haryana. For the protection and conservation of environment, a committee has been constituted in the college. As per suggestions made by the IQAC, Environment committee has been entrusted with the responsibility to do the Green Audit.

**Government College for Girls, Palwal, Kurukshetra** is a premier institution of Department Of Higher Education, Haryana, is located in the village Palwal of district Kurukshetra. This institution was established in the year 2018 and is providing UG and PG education to approx. 1000 girl students. It is recognized for higher learning that nurtures intellectual and academic striving, vibrant curricular activities, outreach initiatives and civic engagement. The college offers a unique combination of resources where community of inspired faculty and talented students learn and grow together to share the dynamic energy field. It is a place not only of teaching but collaborated scholarship reinforcing a very special interaction between students and faculty. The Environmental Committee of the college always encourages the students and staff to increase the greenery in the campus. In the college the Eco club, NSS, Red cross and Red Ribbon club and of other committees and always participate in the plantation programmes and programmes to create awareness and conservation of bio diversity among the students and in the society.

Having had a modest beginning in a school building, today the college has a whole range of infrastructural facilities such as high-tech seminar rooms, Smart Class Rooms, Arts, Science and Commerce block, well-equipped laboratories, departmental rooms equipped with computers and internet facilities, E-library, sprawling sports fields.

The college has become a byword for academic and extra-curricular achievements. The dynamic, enlightened and supportive administration is constantly engaged in taking the college to newer heights of excellence. Its alumni occupy distinguished positions in almost all spheres of society – Government, Banking, Finance, Academics, Sports, Business and Media. The college believes in the motto “Be the First and be with the First”.

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**Figure 1.1: - Image of Government College for Girls, Palwal, Kurukshetra  
from Google map**

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**1.2 About College Campus:**

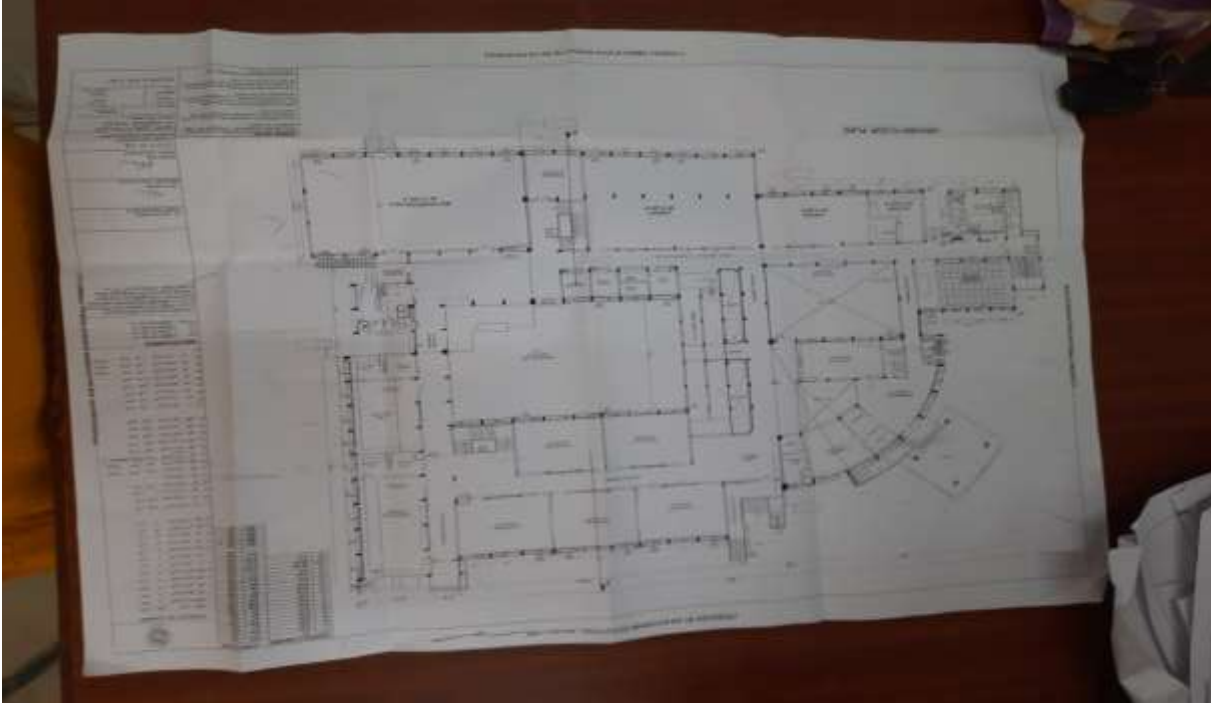
The college is spread over **80 canal 19 marlas** beautiful land with plenty of open space and sports area interspersed within academic buildings. The details of various department and building are given below:

**Table1.1 Name of the various Building area in Government College for Girls, Palwal, Kurukshetra**

Sr. no	Department Name	Length	Width
1	Room no – 1,5,8,12,17,18,22,27	34'	25'
2	Room no – 2-4,9-11,19-21,14,16,	33'9"	25'
3	Room no – 15,25	32'10.5"	25'
4	Room No-13	33'	30'
5	Principal Office	22'	22'
6	PA room	12'	9'
7	Gymnasium	22'	20'
8	Canteen	45'3"	25'
9	library	68'6"	45'9"
10	Multipurpose Hall	80'	44'33"
11	Kitchen	22'3"	25'
12	Staff Room	36'6"	19'3"
13	Physics Lab, Geog. Lab1, Home Sc. Lab	24'	34'
14	Chemistry lab, Geog. Lab2, Psychology lab	24'	45'3"
15	Store in labs	10'	10'9"
16	Cubicles of labs	12'1.5"	10'9"
17	Girls Common room	22'	22'
18	Teaching faculty rooms 10	8'10.5"	9'10.5"
19	Bursar room	8'6"	10'6"
20	Washrooms 1,3,5	22'5"	20'1.5"
21	Washrooms 2,4,6	22'8"	20'1.5"
22	RET (principal office)	12'	15'
23	Store in bursar room	4'6"	6'6"
24	Teaching faculty rooms 3, 4, 5, 6, 8, 9, 15, 16, 18	10'9"	12'
25	Teaching faculty rooms 7,17	11'	12'
26	Store in Teaching faculty rooms 3,4	11'	6'9"
27	Teaching faculty rooms 13,12	11'1.5"	9'10.5"
28	Teaching faculty rooms 11	10'6"	9'10.5"
	Teaching faculty rooms 14	10'9"	9'10.5"
	<b>Total Build Up Area Ground Floor</b>		<b>36881.5759 sq. ft.</b>
	<b>Total Build Up Area First Floor</b>		<b>33326.57 sq. ft.</b>
	<b>Total Build Up Area Second Floor</b>		<b>23668.4 sq. ft.</b>
	<b>Total Build Up Area</b>		<b>93876.54 sq. ft.</b>

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**Government College for Girls, Palwal, Kurukshetra Layout of Various Buildings**



**Fig.1.2 Ground floor plan**



**Fig.1.3 First floor plan**



**Fig. 1.4 Second floor plan**

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**1.3 Green Audit Internal Committee**

- Dr Iqbal Kaur Associate prof. Department of Mathematics, GCG Palwal, Kurukshetra
- Dr. Manju, Assistant Prof. Department of Geography, GCG Palwal, Kurukshetra
- Dr. Rajbir, Assistant Prof. Department of Health & Phy. Ed., GCG Palwal, Kurukshetra
- Mr. Naresh, Assistant Prof. Department of Geography, GCG Palwal, Kurukshetra
- Mrs. Seema, Assistant Prof. Department of Chemistry, GCG Palwal, Kurukshetra

**1.4 Green Audit External Committee**

The committee constituted of the following

- Dr Ranjeet Singh, Associate Professor, Department of Botany, Pt. CLS Govt. College , Karnal
- Dr Parveen Kumar Vats, Associate Prof., Department of Zoology, Pt. CLS Govt. College, Karnal
- Sh. R. K. Sharma Sir Chief Engineer(Retd) Electricity Department, Haryana



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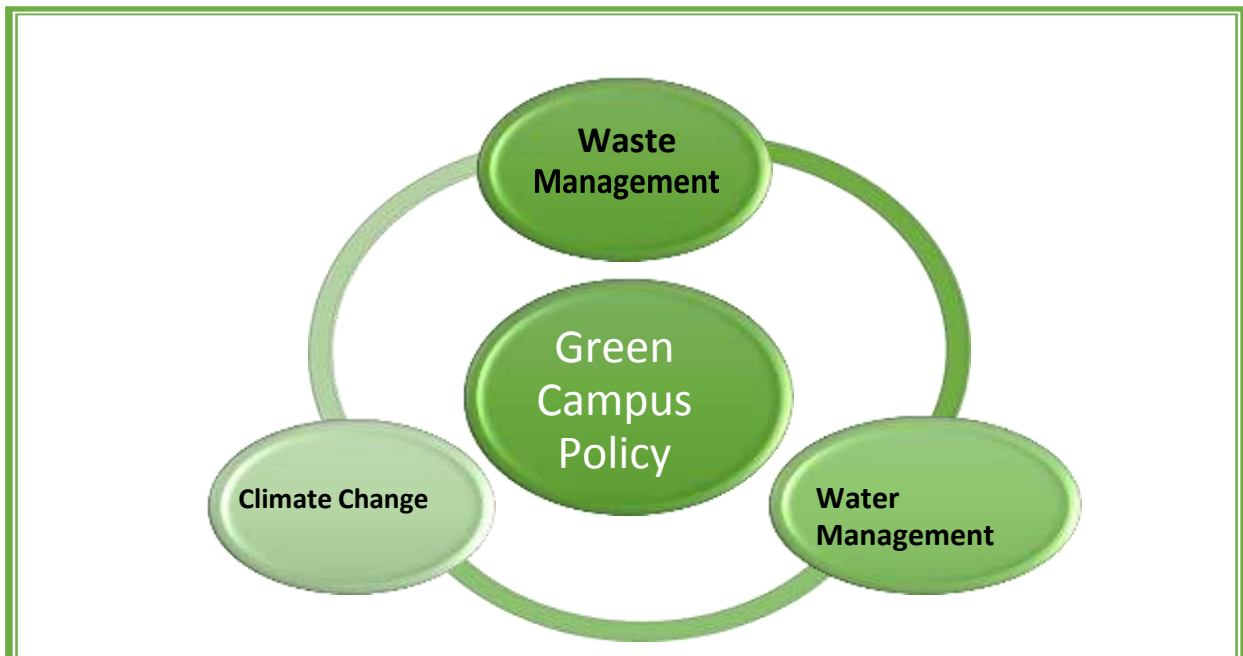
### 1.5 Green Campus Policy

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

#### College Environmental Aims and Objectives

The college is striving to develop its institution on a self sustainable basis in the areas of power, water and cleanliness.

- The faculty, staff and students have to contribute collectively to develop an eco-friendly sustainable campus and disseminate the concept of eco-friendly culture to the nearby community and wherever possible.
- Awareness creations about environmental issues among students.



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**Green initiatives formulated of the college to improve sustainability in the workplace:**

As part of its green initiatives for environmental sustainability, the following instructions and guidelines are implemented by the college:

- Spread the importance of Energy Conservation.
- Reduce the use of disposable items in all functions and meetings
- Promote the use of e-copies and e-documents
- Print on both sides of paper
- Promote the use of hybrid workshops and seminars
- Promote vegetable cultivation.
- Plant trees on important days of celebrations
- Promote the usage of LED bulbs
- Promote the use of environmental friendly welcome during different meetings.
- Promote the usage of five star rated electric gadgets.
- Promote the usage of solar energy street lights.
- Avoid the usage of plastic made bags/files/folders and banners
- Promote the use of electronic display boards, cloth banner etc.
- To increase the green cover in and around the campus.
- Switch off the lights or power when not in use.
- Promote use of Rain water harvesting system
- Encourage car-pooling system and promote use of bicycles or walking for small distance.
- Improve employee happiness and motivation.
- Recycle old electronics.
- Promote plantation of locally available / suited vegetation.

**Waste Management**

- To adopt methods for waste segregation
- Take appropriate actions to reduce or recycle multiple waste inside the campus.

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- To manage, collect and dispose e-waste appropriately
- Actions taken to reduce consumption of plastic in the campus.
- To encourage paperless work culture and recycling/ reuse of paper.
- Display waste management instructions/alerts at prominent/relevant locations in the campus.

**Water Waste Management:**

- To train staff and students to reduce wastage of water from tap water through meetings and circulars.
- To promote water saving plumbing fixtures.

**E-Waste Management:**

- E-waste exchange program has been devised by the Department of Physical Science which corresponds with DHE, Haryana for safe disposal of e-waste.

**Waste Recycling Management:**

- Compost Pits / Organic Pits are there in which fallen leaves from college canteen are collected for decomposition and later act as suitable manure for plants.
- Students of Eco Club make the community members aware of the importance of waste management through lectures, rallies, seminars etc.
- NSS units of the college also takes out various drives and campaigns in order to promote and spread an understanding of cleanliness through lectures, rallies, seminars etc.
- Rain Water Harvesting System works at different places in the college to manage liquid waste.

**Hazardous chemicals and radioactive waste management:**

- The undergraduate course in chemistry does not include any practical where radioactive substances are used. So, such materials are neither purchased nor used in the chemistry laboratory of the college. Moreover, during practical, handling of chemicals by students, is done by precaution.

**Note: Green Initiatives Policy of the college is in Annexure-I**

**1.6 About Green Auditing**

Eco campus is concept implemented in many educational institutions, all over the world to make them sustainable because of their mass resource utilization and waste discharge in to

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the environment.

Green audit means to identify opportunities to sustainable development practices, enhance environmental quality, improve health, hygiene and safety, reduce liabilities achieve values of virtue. Green audit also provides a basis for calculating the economic benefits of resource conservation projects by establishing the current rates of resource use and their associated costs.

Green auditing of “**GCG Palwal, Kurukshetra**” enables to assess the life style, action and its impact on the environment. This green audit was mainly focused on greening indicators like utilisation of green energy and optimum use of secondary energy sources (petrol and diesel) in the college campus, vegetation, and carbon foot print of the campus etc. The aim of green auditing is to help the institution to apply sustainable development practices and to set examples before the community and young learners.

### **1.7 Objectives of Green Auditing**

The general objective of green audit is to prepare a baseline report on “Biodiversity” and alternative energy sources (solar energy), measures to mitigate resource wastage and improve sustainable practices.

#### **The specific objectives are:**

- ❖ To suggest measures to make the college campus biodiversity rich.
- ❖ To demarcate areas within the institute campus which have potential for restoration of biodiversity.
- ❖ To make recommendations for the conservation, protection and rejuvenation of the natural vegetation and animal life by involving students and faculty members
- ❖ To inculcate values of sustainable development practices through green audit mechanism.
- ❖ Providing a database for corrective actions and future plans.
- ❖ To identify the gap areas and suggest recommendations to improve the green campus status of the college.

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### **1.8 Target Areas of Green Auditing**

Green audit forms part of a resource management process. Although they are individual events, the real value of green audit is the fact that they are carried out, at defined intervals, and their results can illustrate improvement or change over time.

Eco-campus concept mainly focuses on the efficient use of energy and water; minimize waste generation or pollution and also economic efficiency. Target areas included in this green auditing is biodiversity, green energy and carbon foot print.

### **1.9 Audit for Biodiversity**

India is mega-biodiversity hottest hot-spot in the world with tremendous diversity in plants and animals. Such biotic forms are endemic to the different bio-geographic habitats in urban and in forest areas of the country as well. Biodiversity is defined as genetic, species and ecosystem diversity, which offers variability and therefore added values to bio-resources.

The most serious and rapidly accelerating of all the global environmental problems is the loss of biodiversity through deforestation and biodiversity cover depletion. Over the past 300 years, many species of organisms, including mammals, birds, butterflies and plants, have been lost due to many anthropogenic activities. In one year, a single mature tree will absorb up to 48 pounds of carbon dioxide from the atmosphere, and release it as oxygen.

### **1.10 Audit of Green Energy:**

According to the **Environmental Protection Agency (EPA)**, green energy provides the highest environmental benefit and includes power produced by solar, wind, geothermal, biogas, low-impact hydroelectric, and certain eligible biomass sources. Green energy can also reduce your carbon footprint and achieve a sustainable lifestyle.



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**CHAPTER- 2**  
**GREEN CAMPUS AND BIODIVERSITY**

**2.1 Biodiversity Audit**

In the survey, focus has been given on assessment of present status of diversity in form of plants, in college campus and efforts made by the college authorities for nature conservation. Campus is located in the vicinity of trees / herbs / ornamental plants. The detail is given below:



Fig.2.1 Green Campus

**PLANTS/ TREES**

**Table 2.1: Plants/ Trees**

<b>Sr. No</b>	<b>Name of Tree</b>	<b>Number</b>	<b>Botanical Name</b>
1	Peeli Kaner	45	( <i>Cascabela thevetia</i> )
2	Kadamba	45	( <i>Neolamarckia cadamba</i> )
3	Jatropha	50	( <i>Nettlespurge</i> )
4	Chir Pine	65	( <i>Pinus roxburghii</i> )
5	Hemeliya	95	( <i>Abronia ameliae</i> )
6	Savni	20	( <i>Lagerstomia indica</i> )
7	Amaltas	35	( <i>Cassia sp.</i> )
8	Jacaranda	25	( <i>Jacranda mimos</i>
9	Chandani	50	( <i>Pinwheel flower</i> )
10	Gudhal	365	( <i>Hibiscus</i> )
11	Chukrasia	20	( <i>Chukrasia tabularis</i> )
12	Pilkhan	85	( <i>Ficus virens</i> )
13	Molsari	105	( <i>Mimusops elengi lin</i> )
14	Fulveria	56	( <i>Tephrosia purpurea</i> )
15	Bottle Brush	70	( <i>Callistemon viminalis</i> )
16	Bottle Palm	60	( <i>Roystonea regia</i> )
17	Saplera	25	( <i>Schefflera arboricala</i> )
18	Ficus	72	( <i>Ficus benjamina</i> )

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In total, based on our data collected, there are approximately 1288 plants in the college campus. Moreover college is surrounded by green fields as it is in rural area. These plants in college and surroundings release a lot of oxygen in the campus and maintaining healthy environment in the college .



**Fig. 2.2 Plants on different locations in college campus**

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**Fig. 2.2 (contd.) Plants on different locations in college campus(contd.)**



## 2.2 ORGANIC COMPOST PIT

Biodegradable waste like leaves are collected which are decomposed by bacteria and air and is converted to manure



Fig.2.3: Pit for Organic Compost Unit in college campus

## 2. Analysis of Water management,

Water is a key & vital in development of the biodiversity, agriculture, humans as well as the humanity. With recent experiences across the world and In India the water scarcity and security are emerging issues. Haryana government has taken initiative for the conservation of water and announce the Jal Shakti vision of Prime Minister and in this series, it has been decided to launch special Water Conservation Campaign in 81 Dark Zone blocks of the 19 districts. Our college is also fully devoted for the water conversation by adopting various procedures for maintaining and recharging underground water level,

### a) Main water uses in the campus

- ❖ Garden, Lab, Cleaning, Canteen, Drinking, Toilets, Bathrooms, Washing, Construction works, Office uses
- ❖ Water cooler with drinking water filtration is installed - 4

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- ❖ Number of bathrooms, urinals and toilets - 43
- ❖ Number of water taps – 80
- ❖ Water taps in laboratories-20
- ❖ Number of wells - 2 bore well

Thousands of litres of water are used per day by the college for its different uses. The main source of water is ground water. Water from the public water supply is not utilized.

### **2.3 RAIN WATER HARVESTING SYSTEM**

#### **Rain water harvesting structures in the campus:**

1. In the college campus two rain water recharging wells are installed at different locations for rain water harvesting plants to recharge the groundwater and prevent surface run-off.
2. The instructions through assembly are given to students about the importance of water harvesting.
3. College staff and students were instructed not to waste water unnecessarily in order to avoid situation like water scarcity and drought in the absence of rainy season.



Fig. 2.4 Rain water harvesting system I located in side lawn



Fig. 2.5 Rain water harvesting system II located near car parking area

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### 3. Analysis of Energy management,

The college is well equipped with electricity supply. Major consumption of electricity in different departments is due to computers, printers, smart boards, cameras, UPS, fans, tube lights, refrigerators, ovens, AC, power backups, etc.,

Main energy consumption in the campus

- ❖ Street lights on solar energy
- ❖ Computer and laptops –62
- ❖ Air conditioners-12
- ❖ Photocopiers-8
- ❖ LED lights-658
- ❖ Flood lights-21
- ❖ Fans-375
- ❖ Smart boards-10
- ❖ Inverters-82
- ❖ Power UPS/ Computer backup-82
- ❖ CCTV DVR-19 CCTV & 1 DVR

Table:- 2.2 Electricity Purchased from the grid and Emissions from the electricity Import

Sr.No	Parameter	Unit
1	Sanctioned electricity load	44 KV
2	Diesel Consumption	300 litre

Following measures are adopted by college for energy savings.

- ❖ LED tube lights are installed in the college campus.
- ❖ Solar street lights are used for lights in night time.
- ❖ Use of five star rated electric equipment eg. AC's etc. is preferred.
- ❖ All classrooms are properly ventilated and have proper natural sun-light crossing, which reduces wastage of electric energy during day light.

## CHAPTER-3 WASTE MANAGEMENT

### 3.1 About Waste:

Human activities create waste, and it is the way these wastes are handled, stored, collected and disposed of, which can pose risks to the environment and to public health. Waste management is important for an eco-friendly campus. In a college different types of wastes are generated, its collection and management are very challenging.

Solid waste can be divided into three categories: bio-degradable, non-biodegradable and hazardous waste. A bio-degradable waste includes food wastes, canteen waste, wastes from toilets etc. Non-biodegradable wastes include what is usually thrown away in homes and schools such as plastic, tins and glass bottles etc. Hazardous waste is waste that is likely to be a threat to health or the environment like cleaning chemicals, acids and petrol.

Unscientific management of these wastes such as dumping in pits or burning them may cause harmful discharge of contaminants into soil and water supplies, and produce greenhouse gases contributing to global climate change respectively. Special attention should be given to the handling and management of hazardous waste generated in the college. Bio-degradable waste can be effectively utilized for energy generation purposes through anaerobic digestion or can be converted to fertilizer by composting technology. Non-biodegradable waste can be utilized through recycling and reuse. Thus the minimization of solid waste is essential to a sustainable college. The auditor diagnoses the prevailing waste disposal policies and suggests the best way to combat the problems.

Table 3.1 Different types of waste generated in the College Campus.

Sr. No.	Types of Waste	Particulars
1	Solid wastes	Damaged furniture, paper waste, paper plates, food wastes etc
2	Plastic waste	Pen, Refill, Plastic water bottles and other plastic containers, wrappers etc
3	E-Waste	Computers, electrical and electronic parts etc
4	Glass waste	Broken glass wares from the labs etc
5	Chemical wastes	Laboratory waste etc
6	Bio-medical Waste	Sanitary Napkin etc

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**3.2 Waste management Practices adopted by the College**

College is implementing “Single Bin” waste collection system. Vegetable waste and other leaf litters were used to feed in the “compost pit” and the resulting compost is used as manure in the garden. All kind of waste generated from various activity is collected.



Fig 3.1: Dust Bin for waste collection at various Location

**3.3 Waste Collection Points:**

Audit team also visited various departments, canteen, and residential area, to find out waste generation area and waste collection points for further improvement. Both plastic and cardboard dustbins are used at different locations in the college. Details are given in the table 3.2

Table: 3.2 Detail of Waste collection Dust bin system

Sr. No	Location	No of Dust Bin
1	Ground	7
2	Canteen	1
3	Library	4
4	Clerk office	1
5	Near labs	2
6	Class Rooms	18
7	lawn	4
8	Girls common room	1
9	Multipurpose Hall	1
10	Principal office	1
11	Staff room	1
	<b>Total</b>	<b>41</b>

## **CHAPTER-4**

### **RECOMMENDATIONS AND SUGGESTIONS**

#### **4.1 QR Code System and Biodiversity:**

While the world seems to be going digital, people lack the time to read books and process the information they contain. Hence, college can be provided QR codes on the trees for its information and to exploit the rapidly growing platform for a unique purpose.



Fig: 4.1 QR Code System for plants

These codes can give students all the information they need to know about the tree from its scientific name to its medicinal value. They only need to put their smart-phones to use. QR codes to them, making it easier for everybody to learn about a plant or a tree at the tip of their fingers.” If any app generating a QR code, which is available for free on the online stores, can be used to avail the information of the trees.

#### **❖ Eco-restoration programs**

- Frame long-term eco-restoration programs for replacing exotic Acacia plantations with indigenous trees and need of the hour is to frame a holistic campus development plan.

## **4.2 Other Suggestions**

Some of the very important suggestions are:-

- ❖ Adopt the proposed Environmentally Responsible Purchasing Policy, and work towards creating and implementing a strategy to reduce the environmental impact of its purchasing decisions.
- ❖ Increase “recycling education” on campus.
- ❖ Install Solar cell electricity generation plant in the college campus.
- ❖ Construct cemented vermi compost pit in the college campus.
- ❖ Increase Awareness of Environmentally Sustainable Development in college campus.
- ❖ Practice Institutional Ecology- Set an example of environmental responsibility by establishing institutional ecology policies and practices of resource conservation, recycling, waste reduction, and environmentally sound operations.
- ❖ Involve All Stakeholders- Encourage involvement of government, foundations, and industry in supporting interdisciplinary research, education, policy formation, and information exchange in environmentally sustainable development.
- ❖ Collaborate for Interdisciplinary Approaches- To develop interdisciplinary approaches to curricula, research initiatives, operations, and outreach activities that support an environmentally sustainable future.
- ❖ Increase reduce, reuse, and recycle education on campus.
- ❖ Develop a butterfly garden that arouses appreciation towards flora and fauna diversity.
- ❖ Name all the trees and plants (Plant DNA barcodes) with its common name and scientific name.
- ❖ Arrange training programs on environmental management system and nature conservation.
- ❖ Renovation of cooking system in the canteen to save gas by installation solar water heater system with heat pump.
- ❖ Establish a procurement policy that is energy saving and eco-friendly.

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**Annexure-I**  
**Activities by YRC for Green Audit**  
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**YRC In charge - Dr. Seema Pandey**

YRC team of the college organised a water conservation campaign entitled “Catch the Rain” at the college campus on 27/10/2023, DIET Palwal on 4/11/2023 and at Govt. Middle School, Kheri Ramnagar on 6/11/2023, Govt. Model Sanskriti School, KKR on 28/03/2024.





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**Convener YRC**

**Principal**

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**Eco club activities report (2023-24)**

1. On 5.6.2023 world environment day was celebrated. An oath was taken by all the staff members and students for not to use plastics, avoid wastage of pages, taking measures to plant more and more trees, doing car pooling in order to reduce air pollution caused by vehicles, to encourage use of bicycles in the campus, to keep our campus and surroundings neat and clean. A plantation drive was done by all staff members in which all staff members donated plants in the campus. A slogan writing competition was also organised in which students painted slogans on save earth, save environment, save water. A rally was also organised by the students in order to sensitize the society nearby college premises related to save environment purpose.



Plantation drive on world environment day on 5.6.2023



Oath taken by students and staff to save environment on 5.6.2023

**पर्यावरण दिवस के उपलक्ष्य में छात्राओं ने निकाली जागरूकता रैली**

महाविद्यालय परिसर से जागरूकता रैली निकालती छात्राएं। (अर्चना)

कुरुक्षेत्र, 5 जून (विनीत अरोड़ा)। राजकीय कन्या महाविद्यालय परिसर में महाविद्यालय की छात्राओं का पर्यावरण दिवस के दिनांक निर्धारण में तथा इसके अवसर को ईजाजत है। इनका जल, पन, एन.एस.एस. कार्यक्रम अधिकारी डा. सीमा पांडे तथा प्रिंसिपल विभाग के अध्यक्ष डा. मंजू के नेतृत्व में पर्यावरण दिवस के उपलक्ष्य में विभिन्न कार्यक्रमों का आयोजन किया गया।

डा. मंजू के द्वारा पर्यावरण को बचाए रखने के लिए छात्राओं, टीचिंग एवं नॉन टीचिंग स्टाफ को रागम मिलवाई गई।

महाविद्यालय की प्राचार्या डा. गगनदीप

की ने छात्राओं को संबोधित करते हुए कहा कि हम सभी को अपने पर्यावरण को बचाने के लिए सदैव तत्पर रहना चाहिए तथा जल के साथ-साथ ऊर्जा को संभाल करने के लिए विद्युत की बचत भी करना आवश्यक है। अलग-अलग कमरों में बचत के लिए अलग-अलग से अधिक बिजली बचाने वाले उपकरणों का प्रयोग करना चाहिए।

प्राचार्या डा. गगनदीप और डॉ. अर्चना के नेतृत्व में तथा छात्राओं एवं सभी टीचिंग एवं नॉन टीचिंग स्टाफों के साथ जागरूकता रैली का आयोजन किया गया।





शपथ ली। पालक स्थित प्रिंसिपल विभाग के अध्यक्ष डा. मंजू के नेतृत्व में रागम मिलवाई गई। नए बच्चों ने पौधों को दया दी। महाविद्यालय की प्राचार्या डा. गगनदीप और के मार्गदर्शन में डॉ. कलम की ईजाजत है। इनका जल, पन, एन.एस.एस. कार्यक्रम अधिकारी डा. सीमा पांडे और



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2. On 8.4.2024 an online quiz competition on the theme “Green Initiatives” and “Environment” was organized by eco club in which 29 students participated and Sunidhi of BSc Final year stood first, Priyanka of BA second year, stood second and Nancy of BA Final year stood third.

3. On 8.4.2024, a slogan writing competition was organized on Padlet app on the topic “Adopting A Plant For Environment Awareness Abhiyaan” in which Preeti from BA final year stood first, Payal from BA second year stood second and Urvashi from BA second year stood third.

 <p>(B.a. 2nd year roll no. 160)  <b><i>“Don’t make trees rare, keep them with care.”</i></b></p>	 <p>(B. A. 2nd year roll No. 10)  <b><i>“Trees bring greenery and greenery brings happiness.”</i></b></p>
 <p>Save a tree it don't charge any fee.</p>	<p><b>We can not live without plants</b></p> 

Convener Eco Club

Principal

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**GREEN AUDIT CERTIFICATE**

This is to certify that Government College for Girls, Palwal, Kurukshetra has submitted necessary data and credentials for Green, Energy And Environmental Audit of college campus. The activities carried out and measures taken by college authorities have been verified by us based on the report submitted and it was found highly appreciable. The efforts taken by staff and students towards environment protection and sustainability are commendable.

Sr. No.	GREEN AUDIT COMMITTEE	Signature
1	Dr Ranjeet Singh, Associate Professor, Department of Botany, Pt. CLS Govt. College, Karnal	
2	Dr Parveen Kumar Vats Associate Prof., Department of Zoology, Pt. CLS Govt. College, Karnal	
3	Sh. R. K. Sharma Chief Engineer (Retd) Electricity Department, Haryana	
4	Sh. Raj Kumar, Horticulture Supervisor, Horticulture Department, Kurukshetra	

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**Annexure-II**

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**POLICY DOCUMENT ON GREEN CAMPUS**

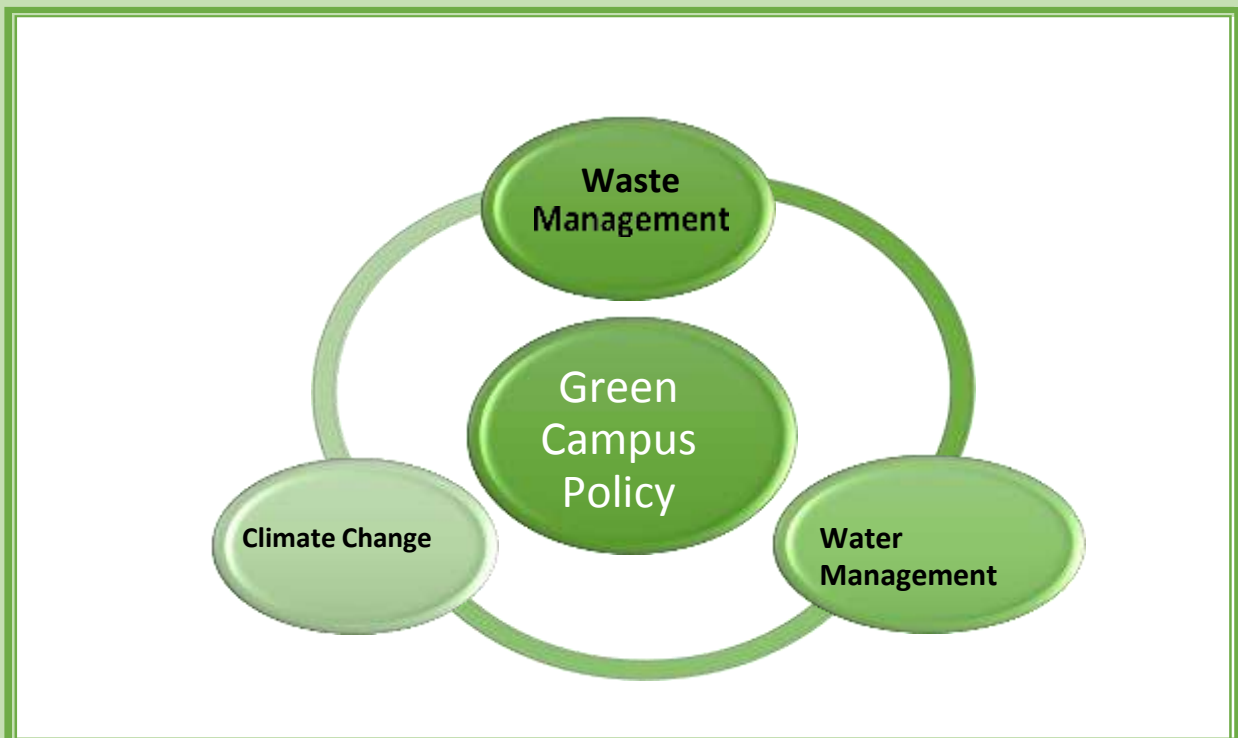
## Green Campus Policy

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

### College Environmental Aims and Objectives

The college is striving to develop its institution on a self – sustainable basis in the areas of power, water and cleanliness.

- ❖ The faculty, staff and students have to contribute collectively to develop an eco-friendly sustainable campus and disseminate the concept of e – friendly culture to the nearby community and wherever possible.
- ❖ Awareness creations about environmental issues among students.



### **Green initiatives by the college to improve sustainability in the workplace:**

As part of its green initiatives for environmental sustainability, the following instructions and guidelines are implemented by the college:

- Spread the importance of Energy Conservation.
- Reduce the use of disposable items in all functions and meetings
- Promote the use of e-copies and e-documents
- Print on both sides of paper
- Promote the use of hybrid workshops and seminars
- Promote vegetable cultivation.
- Plant trees on important days of celebrations
- Promote the usage of LED bulbs
- Promote the use of environmental friendly gifts during different meetings.
- Promote the usage of five star rated electric gadgets.
- Promote the usage of solar energy street lights.
- Avoid the usage of plastic made bags/files/folders and banners
- Promote the use of electronic display boards, smart boards, cloth banner etc.
- To increase the green cover in and around the campus.
- Switch off the lights or power when not in use.
- Promote use of Rain water harvesting system
- Encourage car-pooling system and promote use of bicycles or walking if distance of college is small.
- Improve employee happiness and motivation.
- Recycle old electronics.
- Promote plantation of locally available / suited vegetation.
  
- **Waste Management**
- To adopt methods for waste segregation
- Take appropriate actions to reduce or recycle multiple waste inside the campus.
- To manage, collect and dispose e-waste appropriately
- Actions taken to reduce consumption of plastic in the campus.
- To encourage paperless work culture and recycling/ reuse of paper.
- Display waste management instructions/alerts at prominent/relevant locations in the campus.

### **Liquid Waste Management:**

- To train staff and students to reduce wastage of water from tap water through meetings and circulars.
  
- To promote water saving plumbing fixtures.



**E-Waste Management:**

- E-waste exchange program has been devised by the Department of Physical Science which corresponds with DHE, Haryana for safe disposal of e-waste.

**Waste Recycling Management:**

- Compost Pits / Organic Pits are there in which fallen leaves from college canteen are collected for decomposition and later act as suitable manure for plants.
- Students of Eco Club make the community members aware of the importance of waste management through lectures, rallies, seminars etc.
- NSS units of the college also takes out various drives and campaigns in order to promote and spread an understanding of cleanliness through lectures, rallies, seminars etc.
- Rain Water Harvesting System is installed at different places in the college to manage rain water collection.

**Hazardous chemicals and radioactive waste management:**

- The undergraduate course in chemistry does not include any practical where radioactive substances are used. So, such materials are neither purchased nor used in the chemistry laboratory of the college. Moreover, during practical, handling of chemicals by students, is done by precaution.

**We intend to pursue a program of continuous improvement in our procedures, practices and review the policy on a regular basis to evaluate continued relevance and to monitor compliance.**

**IQAC Convener**

**Principal**