



GREEN AUDIT REPORT

2018 – 2019

ABSTRACT

This Audit report is an outcome of all the measures taken and action plan drawn pertaining to green initiative by eco restoration and green audit committee at Km. Mayawati Government Girls College, Badalpur, Gautam Budh Nagar, UP, India.

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Table of Contents

Green Audit Report.....	2
Objectives of the Study.....	2
Measures Taken 2018-2019	3
Future strategies to be adopted:	4
Initiative Clicks during Session 2018-19	6
Plantation Drive in College Campus.....	6
Installation of Solar Panel as Green Initiative	7
Installation of e-waste box as Green Initiative.....	7
Installation of Name Plate on Plants	7
Paper Waste Recycling	7
Formation of compost pit as Green Initiative	7

Green Audit Report

Green Audit can be defined as systematic identification, quantification, recording, reporting and analysis of components of environmental diversity. The 'Green Audit' aims to analyze environmental practices within and outside the college campus, which will have an impact on the eco-friendly ambience.

It works on the several facets of 'Green Campus' including Water Conservation, Tree Plantation, Waste Management, Paperless Work, Alternative Energy and Mapping of Biodiversity. With this in mind, the specific objectives of the audit are to evaluate the adequacy of the management control framework of environment sustainability as well as the degree to which the Departments are in compliance with the applicable regulations, policies and standards. It can make a tremendous impact on student health and learning college operational costs and the environment.

The purpose of the audit was to ensure that the practices followed in the campus are in accordance with the Green Policy adopted by the institution. The methodology include: forming a Committee for green audit, physical inspection of the campus, observation and review of the documentation, interviewing key persons and data analysis, measurements and recommendations.

The goal is to reduce CO2 emission, energy and water use, while creating an atmosphere where students can learn and be healthy. The "Nature Club" has been active since last many years. The college administration works on the several facets of "Nature Club" including Water Conservation, Tree Plantation, Waste Management, Paperless Work, Alternative Energy and Mapping of Biodiversity.

Objectives of the Study

The main objective of the green audit is to promote the Environment Management and Conservation in the College Campus. The purpose of the audit is to identify, quantify, describe and prioritize framework of Environment Sustainability in compliance with the applicable regulations, policies and standards. The main objectives of carrying out Green Audit are:

- To introduce and aware students to real concerns of environment and its sustainability
- To secure the environment and cut down the threats posed to human health by analyzing the pattern and extent of resource use on the campus.
- To establish a baseline data to assess future sustainability by avoiding the interruptions in environment that are more difficult to handle and their corrections requires high cost.
- To bring out a status report on environmental compliance.

Measures Taken 2018-2019

In this era of globalization, due to increasing anthropogenic activities and rapid urbanization we are heading towards alarming ecological crisis. With the aim to educate the young minds and contribute towards sustainable development the college's "nature club" conducted the various activities:

- Separation of biodegradable and non biodegradable waste- setting up green and blue dustbins
- putting up of waste segregation charts to educate students about the same
- Setting up of incinerators for disposal of used napkins
- Construction/ digging of Compost pit.
- Setting up of e-waste collection box.
- Plant biodiversity identification.
- Putting up plant scientific and common names on the plates on plants
- Planning for cleaning and maintenance/renovation of rainwater harvesting system present in college
- To provide clean drinking water to students water purifiers have been installed and AMC is been done.
- LED lights have been installed in newly established M.Sc. Zoology department and changing of existing CFL by LED Lights is in process.
- Paper recycling is practiced by all departments in collaboration with Jaagruti (NGO)
- Student volunteers were actively involved in various activities of nature club.
- Power management settings were designed by the college and during new purchasing practices star rating guidelines for electronic gadgets is practiced.
- Collection of condensed water from A.C. for gardening.
- Reduce water footprint by intelligent practices.
- Use of sprinkler system for watering main garden/field.
- Use of Push button taps in drinking water supply.
- Drinking Water quality is checked in house.

- Use of Refillable cartridges in all the departments and offices.

Future strategies to be adopted:

- Plants bar-coding is planned to be done in near future
- Organic vegetable garden is proposed.
- Medicinal plants garden is proposed.
- Additional Solar power panels to be installed.
- Waste water treatment plant to be installed.
- Calculation of Carbon Footprint and Water Footprint.

Table 1 - Expenditure Incurred

			2018-19
S.NO.	ITEM	AMOUNT (RS.)	DATE
1	PLANTATION	1900	19th Jan 2019
2	CLEANLINESS OF COLLEGE, TREES AND SHRUBS CUTTING	53100	24th Dec 2019
3	E-WASTE COLLECTION BOX	2500	13th Sep 2018
4	LED LIGHTS	7755	21st Nov 2018
5	SALARY OF GARDENEC	6900	April 2018
6	SALARY OF GARDENER	8100	May 2018
7	SALARY OF GARDENER	7500	June 2018
8	SALARY OF GARDENER		July 2018
9	SALARY OF GARDENER	6600	August 2018
10	SALARY OF GARDENER	6600	September 2018
11	SALARY OF GARDENER	6900	Oct 18
12	SALARY OF GARDENER	5700	Nov - 2018

Table 1 - Expenditure Incurred

			2018-19
13	SALARY OF GARDENER	7800	December 2018
14	SALARY OF GARDENER	7500	January 2019
15	LED PANEL 2*2 LIGHT	49500	15 May 2018
	TOTAL	178355	

Plantation Drive in College Campus



Installation of Solar Panel as Green Initiative



Installation of e-waste box as Green Initiative



Installation of Name Plate on Plants



Paper Waste Recycling



Formation of compost pit as Green Initiative

