

GREEN AUDIT REPORT 2022



INTERNAL QUALITY ASSURANCE CELL (IQAC)

**Indira Gandhi Government College,
Pandariya Distt.-Kabirdham (C.G.)**

Green Audit Assessment Team

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हपवन मंडलाधिकारी
पण्डरिया

Acknowledgement

By Head of Department of Botany, Indira Gandhi Government College, Pandariya of is very much thankful to Principal Dr. B.S. Chauhan, IQAC Coordinator for motivating us for 'Green Audit 'For Educational & Evaluation.


PRINCIPAL
INDIRA GANDHI GOVT. COLLEGE
PANDARIA, DISTT. KAGRDHAR (G.O.)

CONTENTS

- Summary
- Introduction
- About our College
- Objectives
- List of Flora species
- List of Fauna Species
- Plantations during last years
- Expenditure
- Recommendations

Summary

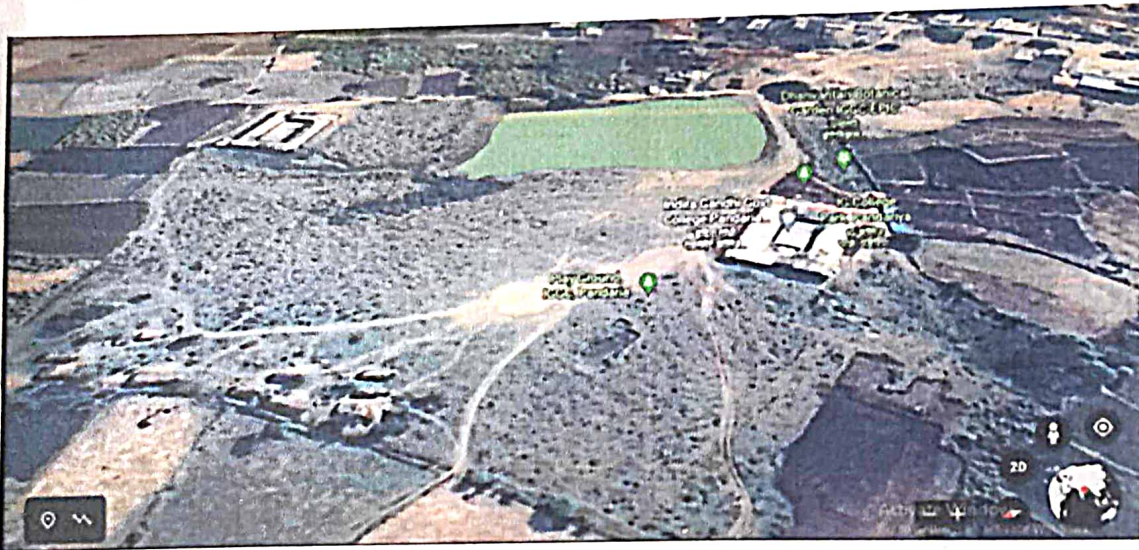
The Rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institute which will lead for sustainable development. The purpose of the audit was to ensure that the practices followed in the campus are in accordance with the Green Policy & Energy Policy adopted by the institution. The methodology included: preparation and filling up of questionnaire, physical inspection of the campus, observation and review of the documentation, interviewing key persons and data analysis, measurements and recommendations. It works on the several facets of 'Green Campus' including Water Conservation, Tree Plantation, Waste Management, Paperless Work, Alternative Energy Resources, Mapping of Biodiversity Etc..

INTRODUCTION

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 has initiated with the motive of inspecting the work conducted within the organizations whose exercises can cause risk to the health of inhabitants and the environment. Through Green Audit. Audit, one gets a direction as how to improve the condition of environment and there are various factors that have determined the growth of carrying out Green Audit.

ABOUT OUR COLLEGE

Indira Gandhi Government College, Pandariya is emerging college in Kabirdham District of Chhattisgarh. It was established in 1984 and enlightening the student fraternity of Pandariya and nearby villages. The most respected first Principal Dr. V. B. Choudhary gave special attention to College. The College has touched new heights by making its goal meaningful. The college was established in 1984, when the college had a system of study in the arts faculty till graduation. Started 37 years ago with about 100 students, the college is today imparting education to about 1500 students. Earlier, the college was being run in an additional room of basic primary school Pandariya which is today operating from its own 15 acre building in Village-Rauha (Pandariya). In this college from the academic session 1984 to 2008 only B.A. Classes of the Faculty of Arts continued to be conducted. In the education session 2008-09, B.Sc. and B.Com. Classes were started under public participation and from the session 2010-11 MA in Sociology & M.Com Begins in 2019 Session , History and Hindi literature classes are conducted under state Government. Today the study-teaching work of all the faculties of the college is being done continuously.



Geographical location of Indira Gandhi Government College, Pandariya Distt.- Kabirdham (A/C To Google earth)

OBJECTIVES

The main objective of the Green audit is to promote the Environment Enhancement, Restoration 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 document the floral and faunal diversity of the college.
- To document the ambient environmental condition of weather, air, water and noise of the college.
- To Report the expenditure on green initiatives during the previous year.
- To Recommendations for the maintenance & Sustainable development of Environment.

PHANEROGAMIC FLORA LIST

S.N.	COMMON NAME OF FLORA	SCIENTIFIC NAME OF FLORA	NUMBERS OF FLORA (Approximate)
1.	BABOOL	<i>Acacia nilotica</i>	50
2.	GUDHAL	<i>Hibiscus rosa sinensis</i>	20
3.	MANGO	<i>Mangifera indica</i>	4
4.	PALASH	<i>Butea monosperma</i>	150
5.	BER	<i>Ziziphus mauritiana</i>	20
6.	GUVAVA	<i>Psidium gujava</i>	5
7.	ASHOK	<i>Saraca asoca</i>	10
8.	AMLA	<i>Phyllanthus emblica</i>	4
9.	COCONUT	<i>Coccus nucifera</i>	1
10.	CHROTA	<i>Cassia obtusifolia</i>	150
11.	PALM	<i>Dypsis lutescens</i>	20
12.	ROSE	<i>Rosa rubinigosa</i>	3
13.	DHATURA	<i>Datura alba</i>	2
14.	NEEM	<i>Azadiracta indica</i>	5
15.	CHANDNI	<i>Tarbanae montana divertica</i>	20
16.	DATE PALM	<i>Phoenix dactylifera</i>	10
17.	VIDYA TREE	<i>Thujar occidentalis</i>	5
18.	CHRISTMAS TREE	<i>Araucaria columnaris</i>	1
19.	MUNGA	<i>Moringa olifera</i>	5
20.	GILOY	<i>Tinospora cordifolia</i>	2
21.	BADAM	<i>Prunus dulcis</i>	1
22.	MONGRA	<i>Jasminum sambac</i>	20
23.	MARIGOLD	<i>Tagetes erecta</i>	15
24.	SUPARI	<i>Areca catechu</i>	2
26.	BOTTLE BRUSH	<i>Melaleuca citrica</i>	2
27.	BLACKBERRY	<i>Syzygium cumini</i>	5
28.	BOUGENVILLEA	<i>Bougenvillia glabara</i>	5
29.	TULSI	<i>Osimum sactum</i>	20
30.	MANGO	<i>Mangifera indica</i>	10
31.	SCUTCH GRASS	<i>Cynodon dactylon</i>	15000
32.	ATIBALA	<i>Abutilon indicum</i>	10

33.	CHAROTA	<i>Cassia obtusifolia</i>	150
34.	MADAR	<i>Calotropis gigantea</i>	15
35.	BHARBHANDA	<i>Argemone mexicana</i>	50
36.	RATRANI	<i>Cestrum nocturnum</i>	40



Osimum sanctum



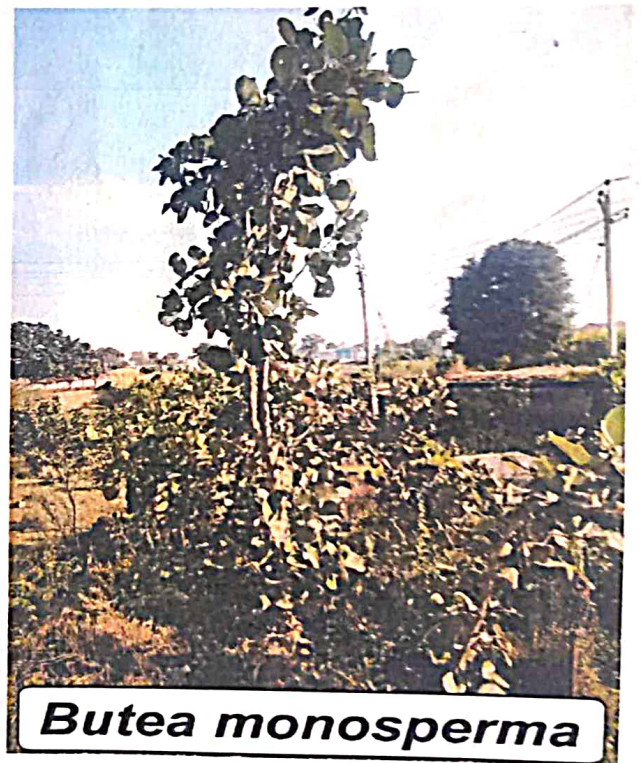
Thuja occidentalis



Thujar occidentalis



Dypsis lutescens



Butea monosperma



Syzygium cumini



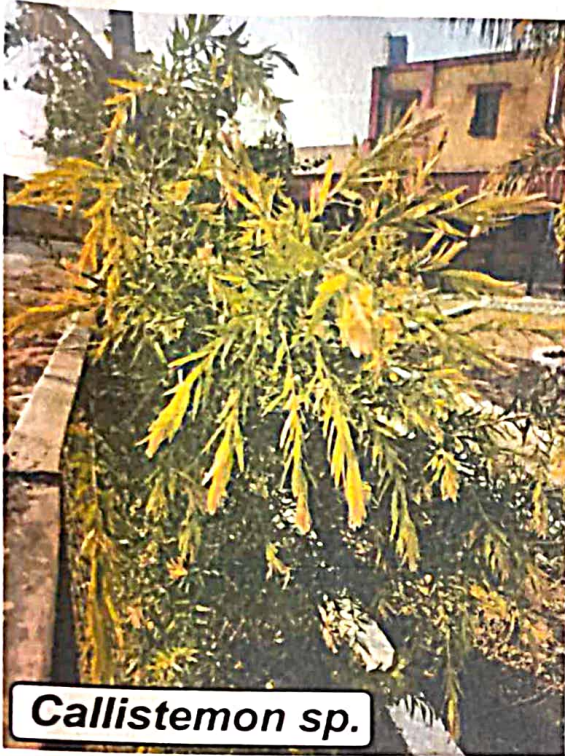
Phoenix dactylifera



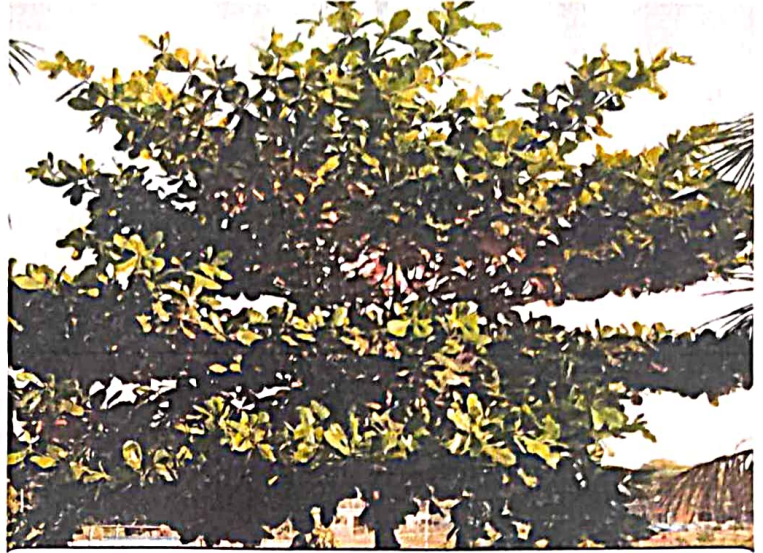
Psidium guajava



Hibiscus rosa sinensis



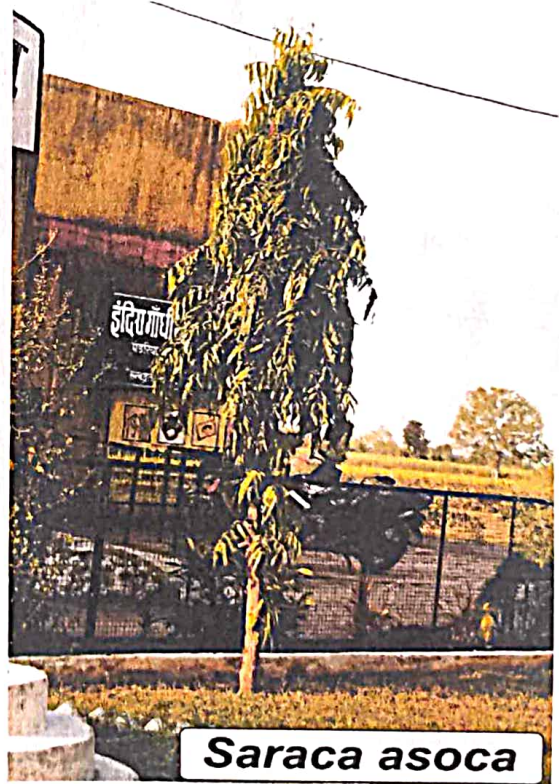
Callistemon sp.



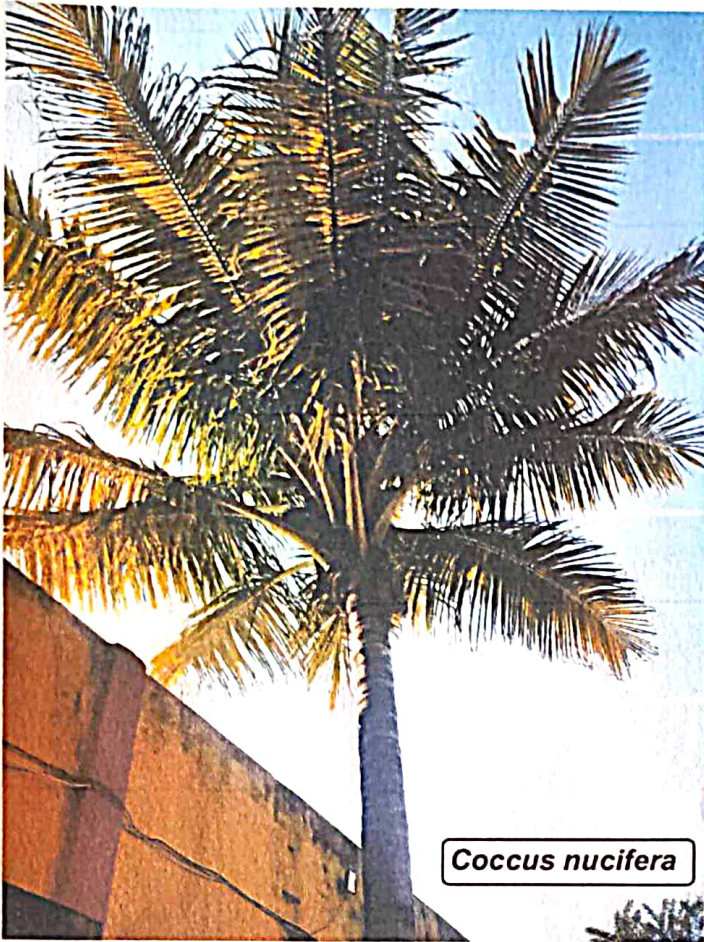
Prunus dulcis



Dypsis lutescens



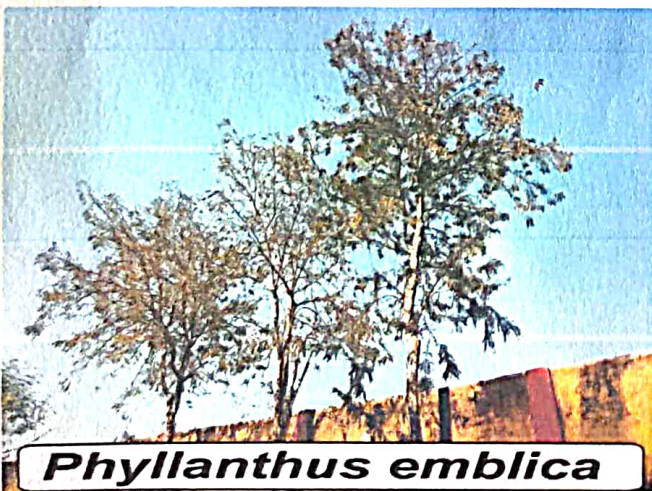
Saraca asoca



Coccus nucifera



Ziziphus mauritiana



Phyllanthus emblica



Tarbae montana divertica

VERTEBRATE'S FAUNA DETAILS

S.N.	NAME OF FAUNA	SCINTEFIC NAME OF FAUNA	NUMBERS OF FAUNA (APPROX.)
1.	Tilapia	<i>Mozambique tilipia</i>	700
2.	Frog	<i>Rana tigrana</i>	250
3.	Tree frog [hyla]	<i>Polypedatus leucomystax</i>	70
4.	Toad	<i>Duttaphrynus melanostictus</i>	28
5.	Indian mabuya [golden skink]	<i>Eutropis carinata</i>	50
6.	Spiny tailed lizard	<i>Saara hardwickii</i>	20
7.	Krait	<i>Bungarus caeruleus</i>	5
8.	Garter snake	<i>Thamnophis sirtalis</i>	30
9.	Wall lizard [Gecko]	<i>Hemiductylus frenatus</i>	60
10.	Crow	<i>Corvus splendens</i>	35
11.	Sparrow	<i>Passer domesticus</i>	90
12.	Heron	<i>Ardeola grayii</i>	45
13.	Cuckoo [koel bird]	<i>Eudynamys scolopaceus</i>	10
14.	Cat	<i>Felis catus</i>	2
15.	Rat	<i>Rattus rattus</i>	14
16.	Dog	<i>Canis lupus familiaris</i>	6

- In this list the Habitat Animals are Listed here & some Migratory animals are not listed here.

INVERTEBRATE'S FAUNA DETAILS

S.N.	NAME OF FAUNA	ZOOLOGICAL NAME OF FAUNA	NUMBERS OF FAUNA (APPROX.)
1.	Zooplankton	<i>Cladocera</i>	2000
2.	Zooplankton	<i>Copepods</i>	1500
3.	Leech	<i>Hirudinaria granulosa</i>	50
4.	Snail [fresh water]	<i>Pila globosa</i>	800
5.	Crab	<i>Caricamus</i>	100
6.	Millipede	<i>Julus</i>	400
7.	Centipede	<i>Scolopendra</i>	500
8.	Scorpion	<i>Palamnaeus</i>	60
9.	Spider	<i>Araneae</i>	10,000
10.	Cockroach	<i>Periplaneta americana</i>	200
11.	Grasshopper	<i>Melanopus</i>	20,000
12.	Mosquito	<i>Anopheles quadrimaculants</i>	7000
13.	Dengue mosquito	<i>Aedes aegypti</i>	400
14.	Stick insect	<i>Carausinus</i>	2500
15.	Leaf insect	<i>Phyllium scythe</i>	9000
16.	Mantis[praying mantis]	<i>Mantis religiosa</i>	8000
17.	Dragon fly	<i>Dragon fly</i>	2500
18.	Butterfly	<i>Papillio</i>	2000
19.	Beetle	<i>Melolontho</i>	6000
20.	Termite	<i>Isoptera</i>	12,000
21.	Wasp	<i>Vespula vulgaris</i>	400
22.	Cricket insect	<i>Gryllus campestris</i>	4500

- In this list the Habitat Animals are Listed here & some Migratory animals are not listed here.



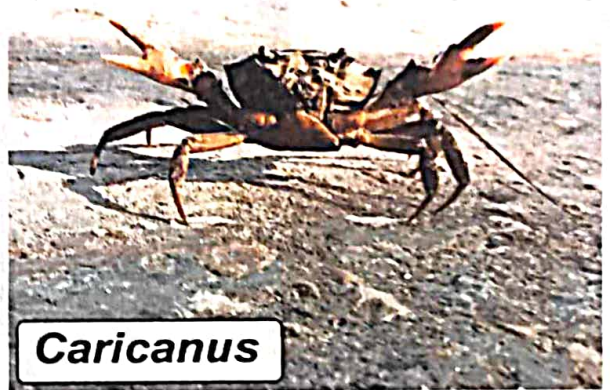
Polypedatus leucomystax



Apis mellifera



Anisoptera



Caricanus



Ardeola grayii



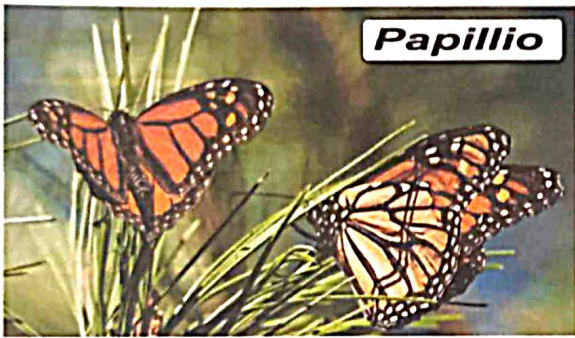
Corvus splendens



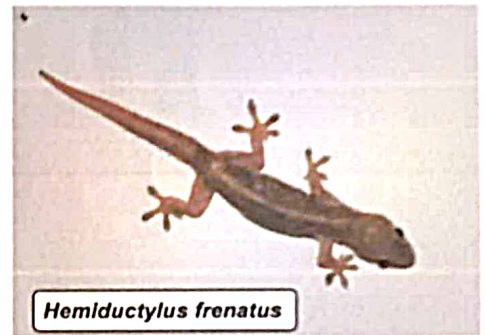
Isoptera



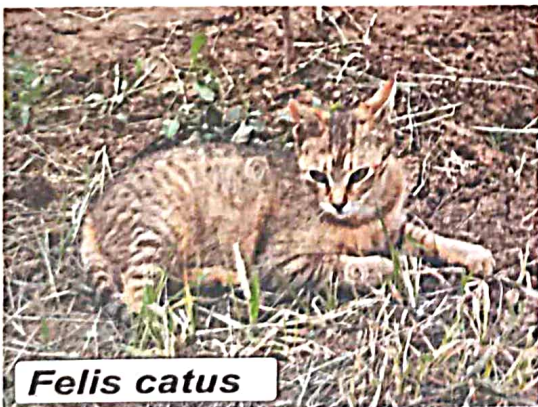
Palamnaeus



Papilio



Hemiductylus frenatus



Felis catus



Duttaphrynus melanostictus



Pila globosa



Rattus rattus




Vespa vulgaris

GREEN INITIATIVE EXPENDITURE LAST PREVIOUS YEAR DETAILS:-

S.N.	NAME OF PLANT	QUANTITY	PRICE	TOTAL PRICE
1	Arica palm (<i>Dypsis lutescens</i>)	20	140/-	2800/-
2	Neem plant (<i>Azadiracta indica</i>)	16	25/-	400/-
3	Show plant	15	35/-	525/-
4	Supari plant (<i>Areca catechu</i>)	4	200/-	800/-
	Total price	55		4525/-

RECOMMENDATIONS

- Review periodically the list of trees planted in the garden, allot numbers to the trees and keep records. Assign scientific names to the trees.
- Promote Environmental awareness as a part of course work in various curricular areas, independent research projects, and community service.
- Create awareness of environmental sustainability and take actions to ensure environmental sustainability.
- Establish a College Environmental Committee that will hold responsibility for the enactment, enforcement and review of the Environmental Policy. The Environmental Committee shall be the source of advice and guidance to staff and students on how to implement this Policy.
- Ensure that an audit is conducted annually and action is taken on the basis of audit report, recommendation and findings.
- Celebrate every year 5th June as 'Environment Day' and plant trees on this day to make the campus more Green.
- Indoor plantation to inculcate interest in students, Bonsai can be planted in corridor to bond a relation with nature.


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