

GREEN AUDIT REPORT

YEAR- 2022-23



**VIJAYA RAJE GOVT. GIRLS P.G. COLLEGE MORAR,
DISTT. GWALIOR (M.P.)
Madhya Pradesh, India**

CONDUCTED BY:



SABS ENERGY ENVIRO PVT.LTD.



WE BUILD A SOLID FOUNDATION FOR SAVING ENERGY

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The officials of Vijaya Raje Govt. Girls P.G. College Morar, Gwalior (M.P.) coordinated and helped to the audit team during the field study and measurement. Sabs Energy Enviro Pvt. Ltd. expresses special thanks to the following persons of Vijaya Raje Govt. Girls P.G. College Morar, Gwalior (M.P.)

1	Principal	Dr. Sushila Mahor
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5	Prof. –English	Mr. N.S. Niranjan
6	Prof. – Physics	Mr. R.K. Dandoliya

And all other officers, technicians and staffs for the keen interest shown in this study and the courtesy extended.

We are thankful to the management for giving us the opportunity to be involved in this very interesting and challenging project.

We would be happy to provide any further clarifications, if required, to facilitate implementation of the recommendations.

SABS ENERGY ENVIRO PVT.LTD.

Mr. Sanjay Singh

A P: Indian Green Building council Green Building Consultant

EA 1462 Bureau of Energy efficiency

Ministry of Power Govt. of India

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GREEN AUDIT Certificate



This is to certify that Vijaya Raje Govt. Girls P.G. College Morar, Gwalior (M.P.) has conducted, Green Audit in the academic year 2022 - 2023 to assess the environmental initiative planning, efforts, activities, implemented in the college campus like Plantation, Rain Water Harvesting, Plastic ban, Conservation of Energy, Energy Management and various Green Awareness activities. **Sabs Energy Enviro Pvt. Ltd.** has verified campus data of Vijaya Raje Govt. Girls P.G. College Morar, Gwalior (M.P.) This Green Audit are also aimed to assess impact of environmental development initiatives for maintenance of the campus eco-friendly.

Mr. Sanjay Singh

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Save Energy save Nation



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CHAPTER: 1

ABOUT THE COLLEGE

Vijaya Raje Govt. Girls P.G. College Morar, Gwalior (M.P.) has been founded with an objective to promote higher education among girls, who belong to rural areas in Madhya Pradesh and bordering states. They are imparted qualitatively optimum education at minimum fees. A great deal of emphasis is laid on inculcating in them a sense of responsibility and ethical values. Moreover, the students are taught various skills which grooms up their entrepreneurial skills to shape them up as self-employed individuals eventually. In addition to academic pursuits the students are also inspired to participate in various co-curricular activities and interact with other sports clubs. Industrial visits are also conducted impart the desired exposure to them.

In order to uplift the social stature of students, they are given empirical knowledge enabling them to understand the realistic approach towards all the challenges that they confront in their lives. It is quite evident that educating a girl is akin to educate the entire family. Keeping in view the fulfillment of the cherished ambition of students, the right kind of platform is created. It is one of the prime objectives of the institute to promote Indian traditional values and in view of this aim regional festivals are celebrated at the college frequently, every day Vijaya Raje Govt. Girls P.G. College Morar, Gwalior starts with morning prayers. In keeping with much valued cultural ethics and to maintain equanimity,

Vision:

To empower women with excellent education, inclusiveness, empathy, self-reliance and respect for Indian culture.

Mission:

- To provide quality education with traditional values for the holistic development of women especially from weaker section of society.
- To nurture human skills and augment national consciousness.
- To prepare them to face the challenges of modern, technological and globalizing world.
- To sensitize them with social and environmental issues.

Goals & Objective:

We consider women a major force in the development process of the society. Women's empowerment is the sine qua known for social progress and stability of the Nation. Education is an important instrument in the development of human resources. For us imparting quality education is a mission. Our vision is to build our institution into a modern and progressive center serving the society by providing quality education in emerging areas to women enabling them to play a meaningful role in the 21st century. Our motto is social growth and stability through empowerment of women by using education as a tool of human resource development.

- To develop new academic courses and revise current academic programmes to keep place with the changing scenario.
- To vocationalize courses.
- To enhance and promote excellence in teaching and learning.
- To encourage and support innovation in teaching and learning.
- To develop a systematic approach for the success of students.
- To create an ICT infrastructure that is supportive of academic and administrative needs.
- To promote computer competency for students and faculty and staff.
- To provide supportive services to students.
- To increase awareness of student support services, policies and campus events among students.
- To maintain an administrative information system that is useful integrated and user friendly.
- To promote communication, cooperation and shared decision making among administrative and academic departments.
- To support and encourage staff for personal academic growth.
- To Support & encourage students for co-curricular activities.
- To provide a clean accessible environment, this meets the needs of students faculty and staff.
- To promote a spirit of community service among students, faculty and staff.
- To ensure and sustain the institutional standards to highest level.
- The goals and objectives are communicated to students and parents by following means
- The mission and vision statements are printed in prospectus.
- At the time of counseling for admission these are explained to parents.

1.1 Audit Framework

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 Green Audit is a planned identification, data analysis and reporting of mechanisms 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 environment.

1.1 Objective of the Green Audit

The institute, with the advice of the External Quality Assessment Cell (IQAC) has set up an environmental quality assessment Team that aimed at performing the green audit of the College. The main objectives of the audit are:

- To fulfill the Institution’s responsibility towards reducing carbon footprint and contribute to environmental protection.
- To promote Environmental Consciousness and Responsibility among students.
- To implement green practices consistently and effectively towards creating a sustainable campus.
- To monitor and evaluate the green practices, towards a sustainable campus
- To generate innovative green practices, promoting the spirit of eco-innovation

among students.

1.2 Methodology

The Green Audit taken up by Vijaya Raje Govt. Girls P.G. College Morar, Gwalior ,has been divided into Three stages:

- Data/Observation
- Analysis of finding
- Recommendations

1.3 Division of Audit

For better investigation and pinpoint observation our team has divided this work in 6 parts

The college has adopted the ‘Green Campus’ system for environmental conservation and sustainability. There are main three pillars i.e. zero environmental foot print, positive impact on occupant health and performance and 100% graduates demonstrating environmental literacy. The goal is to reduce CO2 emission, energy and water use, while creating atmosphere where students can learn and be healthy



Figure 1: Vijaya Raje Govt. Girls P.G. College Morar, Gwalior view

CHAPTER:2

GENERAL OVERVIEW OF THE CONCEPT OF LAND USE

2.1 Introduction

Land use refers to man's activities and the various uses which are carried on and derived from land. Viewing the earth from space, it is now very crucial in man's activities on natural resource. In situations of rapid changes in land use, observations of the Earth from space give the information of human activities and utilization of the landscape.

Remote sensing and GIS techniques are now providing new tools for advanced land use mapping and planning. The collection of remotely sensed data facilitates the synoptic analyses of earth system, functions, patterning, and change in the local, regional as well as at global scales over time. Satellite imagery particularly is a valuable tool for generating land use map.

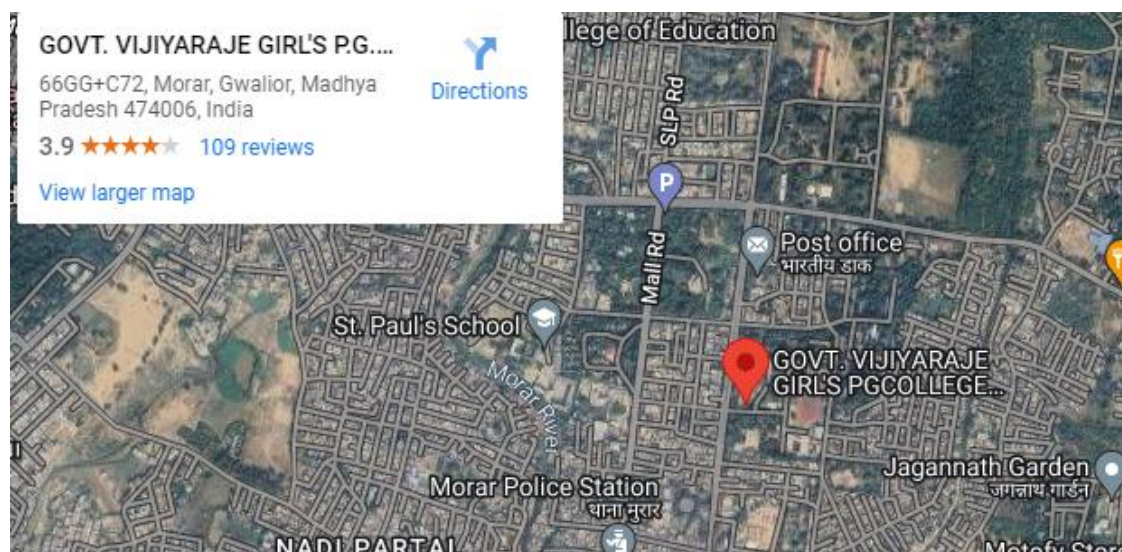


Figure 2: Vijaya Raje Govt. Girls P.G. College Morar, Gwalior Satellite View

2.2 Methodology Adopted For Land Use Mapping

Three types of data that are GPS points, field survey data and Google earth data for Geo referencing have been used in this study. Land use map of the study area have been prepared using the above three types of data with the help of ArcGIS Pro software.

2.3 Data Processing and Analysis

Land use map preparation is executed through the following steps:

Acquisition of data, Geo-coding and Geo referencing of satellite imageries by extracting the ground control points. Supervised classification was carried out with the aid of ground truth data collected during field survey. Scanning and digitization of maps and editing of all the Geo referenced maps were done using GIS. Data manipulation and analysis and linking the spatial data with the attribute data for creation of topology was carried out using GIS software. Creation of GIS output in the form of land use map showing various land use have been prepared.

Therefore, attempt has been made in this study to map land use for Geography Department of with a view to detect the land consumption in the built-up land area using both remote sensing and GIS techniques.

2.4 Geographical Location with Campus Map in Scale

The college has as **prawling pollution-free campus spread over 21 acres** of land in the heart of District. It has an ideal geographical location with the approximately to the important cities of the region The college is located at 7 km from Gwalior Railway Station. Scaled image of college campus is shown. Green color in Map is representing green area. The Google aerial view of College Campus has been shown in figure.



2.5 Data Processing and Analysis

Land use map preparation is executed through the following steps:

Acquisition of data, Geo-coding and Geo referencing of satellite imageries by extracting the ground control points. Supervised classification was carried out with the aid of ground truth data collected during field survey. Scanning and digitization of maps and editing of all the Geo referenced maps were done using GIS. Data manipulation and analysis and linking the spatial data with the attribute data for creation of topology was carried out using GIS software. Creation of GIS output in the form of land use map showing various land use have been prepared.

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CHAPTER:3

TREE DIVERSITY OF COLLEGE CAMPUS

3.1 Objective:

The main objective of green audit is to enlist and enumerate the plant diversity of college campus. This is a continuous process and helps in maintenance and conservation of flora of campus.

This study was undertaken with following objectives –

- (a) To identify the plant species growing in the area.
- (b) To make a habit wise list along with their frequency.
- (c) To generate basic data for further reference.
- (d) To create awareness among students.

3.2 Methodology

Photo diversity of campus was studied by the investigative team. It was divided into parts. Different team visited these areas and noted name and number of plant species. This data was then cumulated and tabled.

Presentation of Data

The data was categorized on the basis of habits. Grasses and sedges were innumerable so their names were mentioned. In addition to angiospermic plants, other groups were also represented for eg. fungi, Pteridophyta (Pteris), gymnosperms (Cycas, Juniperus, Araucaria, Thuja)



3.2 Result




This campus harbors a rich diversity of plants. It is an old institution \ and hence some members of natural vegetation are still present here. Some plants are introduced for avenue purpose and are combined to the road facing area.


Table 1: List of Trees

S.No	Plant Species	Specification
1	Polyalthialongifolia Thw	 <p> Family-Annonaceae Hindi name- Ashok English name- False ashok No. of trees - </p>
2	Azadirachta indica A. Juss.	 <p> Family-Meliaceae Hindi name-Neem English name- The Margosa Tree No. of trees - </p>
3	Dalbergia sissoo Roxb	 <p> Family-Papilionaceae Hindi name-Shisham English Name- No. of trees - </p>
4	Cassia fistula L.	

		Family- Caesalpiniaceae Hindi name-Amaltas English name- Indian Laburnu No. of trees -
5	<i>Emblica officinalis Gaertn.</i>	
		Family-Fabaceae Hindi name- Amla English name- Vachellianilotica No. of trees -
6	<i>Moringa oleifera Lam</i>	
		Family-Moringaceae Hindi name-Surjanafali English name- Drumstick tree No. of trees -
7	<i>Delonix regia (Boj.) Rafin.</i>	

		2.1 Family-Caesalpinaceae Hindi name-Gulmohar English name-Flamboyanttree No. of trees -
8	Mangifera indica L.	
		Family-Anacardiaceae Hindi name-Aam English name-Mango No. of trees -
9		
10	FicusbenghalensisL.	

		Family-Moraceae Hindi name-Bargad, Barh English name- The Banyan No. of trees –
11	<i>Ficus religiosa Linn.</i>	
		Family-Moraceae Hindi name-Pipal English name- No. of trees –
12	<i>MurrayakoenigiiL.</i>	
		Family-Rutaceae Hindi name-Meethaneem, Kadaipatta English Name- No. of trees -
13	<i>Psidium guajava L.</i>	

		Family-Myrtaceae Hindi name-Amrood English name-Guava No. of trees –
14	<i>Santalum album L.</i>	

Other than these there are other trees in the campus. The list of the trees are given below:

Table 2: Various Types of Trees in College

3.3 Flora of Vijaya Raje Govt. Girls PG College, Morar, Gwalior (MP)

Common & Botanical Name	Number
1. कसोद / <i>Cassia siamea</i>	05
2. अमलतास / <i>Cassia fistula</i>	02
3. के ला / <i>Musa paradisiacal</i>	02
4. सेमल/ <i>Bombax Ceiba</i>	02
5. कचनार/ <i>Dolichus lablab</i>	05
6. हरसीगनार / <i>Nyctanthus arbortistis</i>	03
7. आवला/ <i>Emblica officinalis</i>	09
8. बरगद / <i>Ficus bengalensis</i>	01
9. गूलर / <i>Ficus glomerulosa</i>	01
10. पीपल/ <i>Ficus religiosa</i>	02
11. सफे दा/ <i>Eucalyptus</i>	01
12. सायकस/ <i>cycas</i>	04
13. जामुन/ <i>Syzygium cumini</i>	03
14. नीम/ <i>Azadirachta indica</i>	14
15. आम / <i>Mangifera indica</i>	03
16. शेहतूत/ <i>Mulberry</i>	03
17. गुडहल/ <i>Hibiscus rosa sinesis</i> (red, white, yellow orange variety)	17
18. सीताफल/ <i>Annora squamosa</i>	02
19. इक्सोरा/ <i>Ixora coccinea</i>	03
20. सप्तपर्णी/ <i>Alstonia scholaris</i>	05
21. नीम्बू/ <i>citrus lemon</i>	03
22. पलाश/ <i>Butea monosperma</i>	01
23. अश्वगंधा/ <i>Withania somnifera</i>	03
24. धूजा/ <i>Thuja occidentalis</i>	10
25. बेलपत्र/ <i>Aegle marmelos</i>	03
26. चंपा/ <i>Plumeria alba</i>	05

27. चमेली/ <i>Jasminum officinale</i>		08
28. गेंदा/ <i>Tagetes erecta</i>		05
29. गुलाब/ <i>Rosa rubiginosa</i>		30-50
30. आक/ अकु आ/ <i>Calotropis procera</i>		20-25
31. पाम/ <i>palm</i>		13
32. मीठा नीम/ <i>Murraya koenigii</i>		03
33. अर्जुन / <i>Terminalia arjuna</i>		04
34. मधुमालती/ <i>Combretum indicum</i>		01
35. लेमन ग्रास/ <i>cymbopogon citrates</i>		02
36. पुदीना/ <i>Mentha piperita</i>		01
37. लघु खजूर/ <i>Zamia furfurarea</i>		01
38. क्रिसमस ट्री / <i>Araucaria columnaris</i>		01
39. शतावर/ <i>Asparagus racemosus</i>		25
40. कुमारजीव/ पुत्रजीव/ <i>Putranjiva roxburghii</i>		01
41. अशोका/ <i>Saraca asoca</i>		105
42. बोटल ब्रश प्लांट/		01
43. शीशम/ <i>Dalbergia sisso</i>		04
44. स्सरस/ <i>Albezzia leeback</i>		01
45. अनार/ <i>Punica granatum</i>		02
46. रबर प्लांट/ <i>Ficus elastica</i>		02
47. बरगद / <i>Ficus Benghalensis</i>		28
48. इमली/ <i>Tamarindus indica</i>		01
49. सागोन /टीक/सागवान/ <i>Tectona grandis</i>		02
50. चिरोल/ <i>Holoptelea integrifolia</i>		03
51. अमरुद/ <i>Psidium guajava</i>		12
52. गुलमोहर/ <i>Delonix regia</i>		03
53. मुसैंदा / <i>Mussaena philippica</i>		01
54. अरंडी /के स्टर आयल प्लांट / <i>Ricinus communis</i>		05
55. बेर/ <i>Ziziphus nummularia</i>		05
56. रतनजोत / <i>Jatropha curcus</i>		01
57. पुननुवा/ <i>Boerhavia diffusa</i>		25-30

Other than these trees the campus hosts a long list of shrubs, Grasses. Details of which are given in following tables respectively.

Table 3: **List of Shrubs grass and bale**

Sr. No.	Scientific Name	Varnacular Name	Family	Number
1	MurrayaPaniculata	Madhu Malti	Rutaceae	
2	Cestrum Nocturnum	Ratrani	Solanaceae	
3	Gardenia Jasminoides	Gandhraj	Rubiaceae	
4	Hibiscus Rosa Sinensis	Gudhal	Malvaceae	
5	Ficus retusa	Ficus retusa	Moraceae	
6	Melaleucabracteata	Golden Battelbrush	Myrataceae	
7	PlumeriaPudica	NaagChampa	Apocynaceae	
8	BouganvilleaSpectabilis	BoganBelia	Nuctaginaceae	

1. Details of various type of Grass in College Campus				
Sr. No.	Scientific Name	Varnacular Name	Family	
1	Achnatherumbrachyactum	Puna Grass	Poaceae	
2	Cynodondactylon	Selection grass	Poaceae	
2. Details of various type of Bael in College Campus				
Sr. No.	Scientific Name	Varnacular Name	Family	Number
1	Jasminum Sambac	Mogra Bael	Oleaceae	
2	Mandolia	Mandolia Bael		
TOTAL				

Table 4: List of Grass

Recommendations-

- Geo tagging of all trees should be done.
- Students should be assigned plants to take care for.
- Each and every tree should be well documented.



GREEN PLANTATION IN THE CAMPUS



Figure 3: Main front garden of college



Figure 4: plant/ trees at garden of college

GREEN PLANTATION IN THE CAMPUS





Figure 5: Trees at college Campus



Figure 6: Plantation activity at college Campus





Figure 7: Plantation activity with NCC cadets at college Campus

CHAPTER: 4

FAUNA DIVERSITY

4.1 Introduction

Biodiversity is the part of the campus. A rich biodiversity not only provides the shelter to many species around the college but also take us closer to the nature and for a student it is very important to connect to nature at every level. Vijaya Raje Govt. Girls P.G. College Morar, Gwalior (M.P.) is home to many different species around the campus. It has a very rich biodiversity. It consist of the following different animals in the campus-

a) Family Bufonidae

- i. Common Toad (*Duttaphrynus Melanostictus*)

b) Family Dicoglossidae

- i. Common Bull Frog (*Hoplobatrachus Tigrinus*)
- ii. Common Skittering Frog (*Euphylyctis Cyanophylictis*)
- iii. Burrowing Frog (*Sphaerotheca Braviceps*)

c) Family Rhacophoridae

- i. Common tree frog (*Polypedates maculatus*)

d) Lizard Family

- i. House wall lizard (*Hemiductylus flaviviridis*)
- ii. Common Bark Gecko (*Hemiductylus leschenaultii*)
- iii. Brahmini (*Lygosoma punctata*)
- iv. Many keeled grass skink (*Eutrophiscarinata*)
- v. Goh or Goyra or Monitor lizard (*Varanus bengalensis*)
- vi. Girgit or Garden lizard (*Calotes versicolor*)

e) Reptiles Family

- i Indian Rat Snake – (*Ptyas Mucosa*)
- ii Cobra – (*Serpentis*)
- iii Peacock – (*Phasianidae*)

f) Birds in the Campus

Various type of birds are also present in the campus. List of all the birds in the campus is given below:



Table 5: **List of all the Birds in the campus**




S. No.	Common name	Scientific name
1	Crow	Corvus Corax
2	Pigeon	Columbia livia
3	Myna	Acridotheres
4	Nightingale	Luscinia megarhynchos
5	Humming Bird	Trochilidae
6	Sparrow	Passeridae
7	Eagle	Accipitridae
8	Cuckoo	Cuculidae
9	Hawk	Accipitridae
10	Kite	Milvus migrans
11	Owl	Strigiformes
12	Dove	Columbidae




4.2 Observations and Recommendations




- Biodiversity of the campus is very rich.
- Maximum possible animals should be identified.
- All the identified animals should be well documented.
- Students should be aware about the fauna diversity of the college.



4.3 Details of fauna





1.	<p>Scientific Name: – <i>Scolopendra sp.</i> Common Name: - Centipede</p> <p>Classification:</p> <p>Phylum-Arthropoda</p> <p>Class-Chilopoda</p> <p>Order-Scolopendromorpha</p> <p>Genus-<i>Scolopendra</i></p>	
2.	<p>Scientific Name – <i>Poeciloceris sp.</i></p> <p>Common Name- Grasshopper</p> <p>Classification –</p> <p>Phylum- Arthropoda</p> <p>Class- Insecta</p> <p>Order- Orthoptera</p> <p>Genus-<i>Poekilocerus</i></p>	

3.	<p>Scientific Name: – <i>Carausius sp.</i></p> <p>Common Name: - Stick insect</p> <p>Classification:</p> <p>Phylum-Arthropoda</p> <p>Class- Insecta</p> <p>Order- Plasmida</p> <p>Genus-<i>Carausius</i></p>	
4.	<p>Scientific Name: – <i>Forficula sp</i></p> <p>Common Name: - Earwig</p> <p>Classification:</p> <p>Phylum-Arthropoda</p> <p>Class- Insecta</p> <p>Order- Dermaptera</p> <p>Genus-<i>Forficula</i></p>	
5.	<p>Scientific Name: – <i>Mantis sp.</i></p> <p>Common Name: -Praying Mantis</p> <p>Classification:</p> <p>Phylum-Arthropoda</p> <p>Class- Insecta</p> <p>Order- Dictyptera</p> <p>Genus-<i>Mantis</i></p>	

6.	<p>Scientific Name: – <i>Periplaneta sp.</i></p> <p>Common Name: - Cockroach</p> <p>Classification:</p> <p>Phylum-Arthropoda</p> <p>Class- Insecta</p> <p>Order- Blattodea</p> <p>Genus-<i>Periplaneta</i></p>	
7.	<p>Scientific Name: – <i>34an asp34</i></p> <p>Common Name: - Cloth Moth</p> <p>Classification:</p> <p>Phylum-Arthropoda</p> <p>Class- Insecta</p> <p>Order- Lepidoptera</p> <p>Genus-<i>Tinea</i></p>	
8.	<p>Scientific Name: – <i>Papilio</i> .Common Name: - Butterfly</p> <p>Classification:</p> <p>Phylum-Arthropoda</p> <p>Class- Insecta</p> <p>Order- Lepidoptera</p> <p>Genus-<i>Papilio</i></p>	

9.	<p>Scientific Name: <i>Helix</i>sp</p> <p>CommonName:-Gardensnail</p> <p>Classification:</p> <p>Phylum-Mollusca</p> <p>Class-Gastropoda</p> <p>Order-Stylommalophora</p> <p>Genus-<i>Helix</i></p>	
10.	<p>Scientific Name: – <i>35an asp.</i></p> <p>Common Name: - Frog</p> <p>Classification:</p> <p>Phylum- Chordata</p> <p>Class- Amphibia</p> <p>Order- Anura</p> <p>Genus-<i>Rana</i></p>	
11.	<p>Scientific Name: – <i>Calotes sp.</i></p> <p>CommonName:-Bloodsucker</p> <p>Classification:</p> <p>Phylum- Chordata</p> <p>Class- Reptilia</p> <p>Order-Lepidoptera</p> <p>Genus-<i>Calotes</i></p>	

12.	<p>ScientificName:–<i>Hemidactylussp.</i></p> <p>Common Name: - Wall lizard</p> <p>Classification:</p> <p>Phylum- Chordata</p> <p>Class- Reptilia</p> <p>Order- Lepidoptera</p> <p>Genus-<i>Hemidactylus</i></p>	
13.	<p>Scientific Name: – <i>Passer sp.</i></p> <p>CommonName:-HousesparroworGauriya</p> <p>Classification:</p> <p>Phylum-Chordata</p> <p>Class-Aves</p> <p>Order-Passeriformes</p> <p>Genus-<i>Passer</i></p>	
14.	<p>Scientific Name: – <i>Columba sp.</i></p> <p>CommonName:-BluerockpigeonorKabutar</p> <p>Classification:</p> <p>Phylum-Chordata</p> <p>Class-Aves</p> <p>Order-Columbiformes</p> <p>Genus-<i>Columba</i></p>	
15.	<p>Scientific Name: – <i>Psittacula sp.</i></p> <p>Common Name: - Hiramantota</p> <p>Classification:</p> <p>Phylum-Chordata</p> <p>Class-Aves</p> <p>Order-Psittaciformes</p> <p>Genus-<i>Psittacula</i></p>	

16.	<p>Scientific Name: . Corvussp</p> <p>Common Name: Crow or Kag</p> <p>Classification:</p> <p>Phylum-Chordata</p> <p>Class-Aves</p> <p>Order-Passeriformes</p> <p>Genus-<i>Corvus</i></p>	
17.	<p>Scientific Name: – Pteropus sp.</p> <p>Common Name: - Fruit bat or Chamgadar</p> <p>Classification:</p> <p>Phylum- Chordata</p> <p>Class- Mammalia</p> <p>Order-Chiroptera</p> <p>Genus-Pteropus</p>	
18.	<p>Scientific Name: – Funambulus sp.</p> <p>Common Name: - Gilhari</p> <p>Classification:</p> <p>Phylum- Chordata</p> <p>Class- Mammalia</p> <p>Order- Rodentia</p> <p>Genus-Funambulus</p>	
19.	<p>Scientific Name: – Rattus sp.</p> <p>Common Name: - Black rat</p> <p>Classification:</p> <p>Phylum- Chordata</p> <p>Class- Mammalia</p> <p>Order- Rodentia</p> <p>Genus-Rattus</p>	

20	<p>Scientific Name: – <i>Pavo cristatus</i></p> <p>Common Name: - Indian peacock,</p> <p>Classification:</p> <p>Phylum- Chordata</p> <p>Class- Reptile</p> <p>Order- Landfowl</p> <p>Genus- Pavo</p>	
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Table 6: **List of all the Fauna in the campus**

CHAPTER: 5

GREEN ENERGY UTILISATION

Green Energy Audit is an effective means of establishment present efficiency levels and identifying Potential areas of improvement in energy consumption.

Green Energy audit of utility systems largely helps, which are given below:

Reducing the energy consumption with resultant reduction in electricity bills.

Audit involves data collection, data verification and detailed analysis of the data.

The analysis leads to recommendations, which are short term (with minimum investment), medium term (with moderate investment) and long term (with capital expenditure).

The cost benefit analysis of various energy conservation proposals enables managements to take decisions regarding implementation schedules.

Here we are concerned about alternate energy as well as present use of energy.

We appreciate the use solar power plant 30Kw in the college campus to meet out energy requirement

5.1 Data/Fact

Alternate Energy initiatives such as:

Power requirement of the Institution met by the renewable energy

5.2 Recommendation

Power by renewable energy sources must be More added in campus.

LED lights should be used at all places.

BLDC Fans should be used instead of conventional ones.

All pump should be five star rated by BEE

Note – We appreciate use of LED lights at some places in the campus.

