



Govt. Lochan Prasad Pandey College, Sarangarh

Dist.- Raigarh, CG

Green Audit Report


Session- 2019-20

MEMBERS OF GREEN AUDIT COMMITTEE:

EXTERNAL EXPERTS:

1. Dr.Puspha Dewangan (Principal, K P College Bandhapali Sarangarh)
2. Shri T.S.Maitry (Assistant Professor Botany, Govt College Hasoud)

INTERNAL EXPERTS:

- 1- Dr. D.P.Tirkey (Coordinator) 
- 2- Shri L.S.Patel (Member) 
- 3- Shri U.R.Patel (Member) 
- 4- Shri A. K. Bhoy (Member) 

INTRODUCTION:

Green audit is a process of recognition of the college through proper investigation and examinations of the environment and it is a process that builds efficient understanding about balance of the the nature and humans has been maintained or not. The aim of the practice is to analyze the environmental practices that influence the nature and bring the measures that work for the betterment of the nature and thus the society. The term green itself points to the eco-friendly practices. The nature where we live is of highest concern since it is directly related to the survival and endurance.

The provision of green audit of the college campus has been started as an initiative taken by IQAC to monitor the plants in the campus and to bring proper understanding of the measures needed to be taken for the conservation of the greenery in the campus and also bring about positive changes in the campus. A team has been formed that has been given the responsibility of properly examine and make an audit report on greenery and its maintainace in the college named Green Audit of the college. Total area of the college main campus is almost 11 acres, in which is covered by herbs, shrubs and trees, including some flowering plants and big shady trees. The plants has been systematically identified by the green audit committee. The green audit report has been discussed with External Experts with suggestions to increase greenery in campus.

Additional work have been done by the college regarding creation of environment consciousness and perception amongst students. Majorly the plantation programs are organized by NSS, NCC, all first year students specially the students of botany department. Plantation is encouraged by principal and faculties of all departments to increase greenery. Maintenance of the garden at the entrance was done with the help of the students and financial support from Jan Bhagidari Samiti.

OBJECTIVES:

The Green Audit of an institution is of a fundamental importance for self-assessment of the college which reveal the responsibilities of the institution in justifying the present environmental problems. The college has been putting hard work to maintain our environmental greenery and keeping it clean. Therefore, the purpose of the present green audit is about prioritizing the composition of Environment Sustainability in acquiescence with the appropriate regulations and standards.

The main objectives of carrying out Green Audit are:

- To map the Geographical Location of the college
- To document the floral and faunal diversity of the college
- To record the environmental condition and parameter where college is situated.
- To document the waste disposal system
- To report the expenditure on green initiatives during the last five years

METHODOLOGY:

The purpose of the green audit of Govt. Lochan Prasad Pandey College, Sarangarh, Dist.-Raigarh is to ensure that the practices followed in the campus are in accordance with the Green

Policy of the country. The methodology includes: collection of data, physical inspection of the campus, observation and review of the documentation and data analysis.

List of the Audited Plants

S.No	Scientific Name of Plant	Local Name	Family	Uses
1	<i>Acacia melanoxylon</i>	Australian acacia	Mimosaceae	Social Forestry
2	<i>Albizzia lebeck</i>	Siris (Black)	Mimosaceae	Avenue Tree, Timber, Skin, Bronchitis
3	<i>Alstonia scholaris</i>	Chhatim	Apocynaceae	Avenue Tree, Malaria
4	<i>Anthocephalus cadamba</i>	Cadam	Rubiaceae	Avenue Tree, Aesthetic
5	<i>Azadiracta indica</i>	Neem	Meliaceae	Avenue Tree, Skin,
6	<i>Bauhania variegata</i>	Kachnar	Ceasalpiniaceae	Avenue Tree, Ornamental
7	<i>Calotropis</i>	Madar	Asclepiadaceae	Ornamental
8	<i>Cassia fistula</i>	Amaltas	Ceasalpiniaceae	Avenue Tree, Laxative
9	<i>Cassia siamea</i>	Chakundi	Ceasalpiniaceae	Avenue Tree, Ornamental
10	<i>Casuarina</i>	Jhau	Cauarinaceae	Social Forestry, Diarrhea

	equisetifolia			
11	Cocos nucifera	Narial	Palmaceae	Fruit Edible
12	Dalbergia sissoo	Sheesham	Papilionaceae	Avenue Tree, Timber,
13	Delonix regia	Gulmohar	Caesalpinaceae	Avenue Tree, Ornamental
14	Emblica officinalis	Amala	Euphorbiaceae	Triphala, Skin, Tannins
15	Ficus bengalensis	Bargad	Moraceae	Avenue Tree, Aesthetic
16	Jacaranda mimosifolia	Nila Gulmohar	Bignoniaceae	Ornamental
17	Leucaena leucocephala	Shubabul	Mimosaceae	Social Forestry, Fodder
18	Mangifera indica	Aam	Anacardiaceae	Avenue Tree, Fruit Edible, Timber
19	Lantana camara	West indian lantana	Verbanaceae	Avenue , ornamental
20	Moringa oleifera	Munaga	Moringaceae	Blood Pressure, Fruit Vegetable
21	Nyctanthes arbor- tristis	Harsingar	Oleaceae	Ornamental, Diabetic
22	Euphorbia milli	Crown of thorn	Euphorbiaceae	Ornamental
23	Jasminum sambac	Mogra	Oleaceae	Oil, Perfume, Ornamental
24	Plumeria alba	Temple Tree (Champa)	Apocynaceae	Ornamental
25	Polyanthia longifolia	Ashok	Annonaceae	Avenue Tree, Ornamental

26	<i>Pongamia pinnata</i>	Karanj	Papilionaceae	Avenue, Insecticide, Skin
27	<i>Syzygium cuminii</i>	Jamun	Myrtaceae	Avenue, Diabetes, Fruit Edible, Timber
28	<i>Tabebuia rosea</i>	Trumpet Tree	Bignoniaceae	Ornamental
29	<i>Tabernaemontana coronaria</i>	Chandni	Apocynaceae	Ornamental
30	<i>Tamarindus indica</i>	Imli	Caesalpiaceae	Avenue, Fruit Edible
31	<i>Tecoma stans</i>	Yellow Bell	Bignoniaceae	Ornamental
32	<i>Tectona grandis</i>	Sagon	Verbenaceae	Furniture Of best Quality
33	<i>Thevetia peruviana</i>	Pili Kaner	Apocynaceae	Ornamental, Aesthetic
34	<i>Zizyphus jujube</i>	Ber	Rhamnaceae	Fruit Edible, Fodder

Medicinal Plants

S.No.	Scientific Name of Plant	Local Name	Family	Uses
01	<i>Adhatoda vasica</i>	Adusa	Acanthaceae	Espectorent
02	<i>Aloe vera</i>	Ghee Kwar	Liliaceae	Fever, Constipation, Piles, Skin, Jaundice, Leprosy
03	<i>Andrographis paniculata</i>	Kirayat	Acanthaceae	Fever, Dysentry, Dyspepsia, Stomachic
04	<i>Asparagus racemosus</i>	Satawar	Liliaceae	Tonic, Dysentry, Leprosy, T.B., Night Blindness

05	Catharanthes roseus	Sada Suhagan	Apocynaceae	Leukemia,Diabetic
06	Cymbopogon citrates	Lemon Grass	Poaceae	Bronchitis, Fever, Rheumatism, Leprosy
07	Datura stramonium	D h a t u r a	Solanaceae	A s t h m a , I n t o x i c a n t , Emetic,Digestive
08	Oscimum sanctum	Tulsi	Lamiaceae	Asthma, Bronchitis, Vomating, Malaria, Ring Worm
09	Rauwolfia serpentine	Sarpgandha	Apocynaceae	High Blood Pressure, Sebative, Mental Disorder, Anti Microbial
10	Tinospora cordifolia	Giloey	Menispermaceae	Diabetic, Tonic
11	Vitis quadriangularis	Harjod	Vitaceae	Joint and Bone Health
12	Withania somnifera	Ashwagandha	Solanaceae	Asthma Bronchitis Arthritis, Rheumatism, Leucoderma

SUGGESTION FOR FUTURE DEVELOPMENT OF GREEN & CLEAN CAMPUS:

1. Improve the greenery up to by plantation like shady trees and medicinal plants in the campus
2. Development of medicinal garden.
3. Development of pollution free zone

4. Awareness about cleanliness and maintenance of flora and fauna

5. Setup of green student club

PHOTOS OF PLANTS

PHOTOS OF PLANTATIONS



PHOTOS OF PLANTS

