



GOVT. D.B. Girl's P.G. College, Raipur (C.G.) Green Audit 2015 to 2020

The Govt. D.B. Girl's P.G. College, Raipur is the oldest Girls College of Chhattisgarh. College is located in the middle of the Raipur city, adjoining the Budha Talab (Vivekanand Sarover) the largest pond of the city. The College campus spread in the area of 4.47 hectare. Apart from the college building four gardens are situated in front of college office, in front of the main college building in the hostel and one in front of History and music department. Plant diversity is the maximum in rainy season and the least in summer season. Varieties of seasonal wild plants grow throughout the year. Vegetation consists of both wild and cultivated plants of various habits Herbs, shrubs, Tree and climbers. Large no of potted plants are also in the college campus and hostel. Study of the vegetation is done every year by the students of M.Sc. Botany B.Sc. III Botany students as the part of their practical. During the study of vegetation new plant is identified *Paederia foetida* vernacular name is Gandhbadalia. During the survey vernacular name, habitat, habit, botanical name family name uses and method of propagation are recorded. Trees are so old. Survey completed Under the guidance of Dr. M.L. Naik, Retired H.O.D. SOS in Life Sciences, Raipur and Shri Rakesh Chaturvedi, Principal Chief Conservator Forest, Department of Forest(HOFF), Chhattisgarh. The vegetation of the college campus is almost similar with the seasonal variation during the period of 2015 to 2020. Some important points are:

1. Plants of NWFP : Imli -*Tamarindus indica*, Ganga Imli -*Pithecellobium dulce*, Neem- *Azadirachta indica*, Reetha- *Sapindus laurifolius*, Karanj *Pongamia pinnata*, Jamun- *Syzygium jambolena*, Amla- *Phyllanthus embelica*, Giloy-*Tinospora cordifolia*.
2. Fruit yielding plants: Mango- *Mangifera indica*, Imli- *Tamarindus indica*, Ganga Imli- *Pithecellobium dulce*, Jamun- *Syzygium jambolena*, Papaya- *Carica papaya*, Amla- *Phyllanthus embelica*, Amrud- *Psidium guajava*, Berzizyphus *jujube*, Munga-*Moringa oliefera*.
3. Medicinal Plants: Tulsi- *Ocimum sanctum*, Neem- *Azadirachta indica*, Kesariya- *Barleria prionites*, Giloe- *Tinospora cordifolia*, Satawar-*Asparagus racemosus*, Adusa- *Adhatoda vasica*, Hathjod- *Cissus quadrangularis*, Ghritkumari -*Aloe vera*, Haldi- *Curcuma longa*, Sarpgandha- *Rauvolfia*

serpentina, Bhui amla- *Phyllanthus niruri*, Nagarmotha- *Cyprus rotundus*, Punarnava- *Boerhavia diffusa*, Bala-Sida *acut*, Kanghi-*Abutilon indicum*

4. Aromatic Plants: Nilgiri-*Eucalyptus lanceolatus*, Douna-*Ocimum klimendeschericum*, Tulsi- *Ocimum sanctum*, Jamun- *Syzygium jambolena*, Neem- *Azadirachta indica*
5. Allergic plants: *Leportia intrupta*, Gajar Ghans- *Parthenium hysterosphorus*, Chhattim - *Alostonia scholaris*. Chatim causes allergy due to excess plantation in small area.
6. Gymnosperm-5 Species, Pterodophyte-3 Species, bryophytes-3 Species, *Gynoderma lucidum*-Mushroom. Many Sps. of Algae grow in the rainy season.

Total number of 42 trees, 110 herb shrub and climber, grasses are found during the survey. Gymnosperm-5, Pteridophyte-3, Bryophytes-3, *Gynoderma lucidum*-Mushroom, are identified and listed during the survey for green audit. Flax of the vegetation prepared and botanical name vernacular name and family name tagged on each tree. Plants control all type of pollution with releasing oxygen, shade give aesthetic sense purify the atmosphere.

With the survey of green audit department of Zoology also compiled the list of Animals the number is 41.

Green Audit Committee recommended more trees and potted plants in the college campus.

Green Audit Compiled By:

Dr. Vaibhav Acharya

Assistant Professor, Botany

Dr. Neetu Harmukh

Assistant Professor, Botany

List of Animals compiled by

Dr. Maya Shedpure

Professor, Zoology

Dr. Richa Tikariha

Asst. Professor, Zoology

Govt. D.B. Girl's P.G. College, Raipur

Expert:

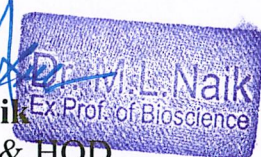
Dr. M.L. Naik

Retired Professor & HOD

SOS in Life Sciences, Pt. R.S.U.,

Raipur

Shri Rakesh Chaturvedi
Principal Chief Conservator Forest,
Department of Forest (HOFF),
Chhattisgarh.



(Rakesh Chaturvedi)
Principal Chief Conservator of Forests
Chhattisgarh