



# GREEN AUDIT REPORT

2022-23



**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**GOVT.M.M.R.PG COLLEGE**

**CHAMPA**

# **Internal Green Audit Assessment Team**

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## **INTRODUCTION**

The National Assessment and Accreditation Council, New Delhi (NAAC) has made it mandatory from the academic year 2019–20 onwards that all Higher Educational Institutions should submit an annual Green, Environment and Energy Audit Report. Green Audit is assigned to the Criteria 7 of NAAC. Green Audit is conducted to evaluate the actual scenario at the institution campus. Green audit can be a useful tool for a College to determine how and where they are using the most of the energy or water or resources; the College can then decide how to implement changes and make savings. It is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of the institute. It aims to analyze environmental practices within and outside of the concerned place, which will have an impact on the eco friendly atmosphere. Green Audit is a valuable means for a college to determine how and where they are adopting environment conservation and diversity. It can create health consciousness and promote environmental awareness, values and ethics. It provides staff and students better understanding of Green impact on campus. If self-enquiry is a natural and necessary outgrowth of a quality education, it could also be stated that institutional self enquiry is a natural and necessary out growth of a quality educational institution. Thus it is imperative that the college evaluate its own contributions to ward a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more prevalent.

## **OBJECTIVES**

- Enhance the alertness for environmental guidelines and duties.
- To map the Geographical Location of the college.
- To document the floral diversity of the campus.
- To document the faunal diversity of the campus.
- To record the water properties inside the campus.
- To record the energy conservation measures of the college.
- To document the waste disposal system of the college.
- To report the expenditure on green initiatives.
- Recognize the cost saving methods through waste minimizing and managing.

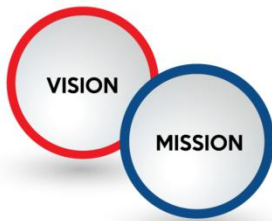
## **ABOUT THE COLLEGE**

Champa has an average elevation of 253 metres (830 feet). It is located on the banks of Hasdeoriver, a tributary of Mahanadi. Champa is also famous for its Kosa silk, gold and brass metal works. Government M.M.R. PG. College, Champa is situated in Bilaspur Howrah RailSection of S.E.C. Railway, 10 Kms far from the district head quarter. The flow of Hasdeoriver and natural surrounding make its location more attractive.

Our College is being governed by the rules and regulation laid down by department of Higher Education, Govt. of Chhattisgarh, Raipur and was affiliated to Shaheed Nand Kumar Patel University, Raigarh. The college was established as a Govt. College in the year 1974 with arts faculty only. Later, graduation in commerce and science faculties was started in the year 1981 and 1982 respectively, Post Graduate classes for M.A. in Political Science and Economics were started here in the year 1983-84. M.Com. was started in the year 1985-86 and M.A. in History

was started in the year 2006. M.A. English Literature, M.S.W, P.G.D.C.A.,M.Sc.Mathematics were commenced under self- financings cheme in year 2001,B.Sc with Biology group was started here in the year 2001 by the state Government. 'Tasar' was added as elective subject in B.Sc, Biology group in the same year. In 2021-22 PG classes in Botany and Physics started.Sports department is also running here and providing opportunity for physical and mental health of the students.Many sports loving students have achieved medal and certificates in the district, division and state and national levelsports competitions. NSS Unit is running successfully here with its 100 members.Seven day's NSS camp is organized every year in the nearby villages. More andmore attempts are being done by the College and NSS Unit for the complete personality development of the students.

The college library is working in satisfactory manner with Wi-Fi connectivity and computer facility and providing facility of e-books and e-journal to the need to students. Some necessary books are purchased every year to meet the need ofpresent day's challenges. The whole college campus is developed as Wi-Fi zone and college students can access internet facility everywhere in the campus. Smart Classrooms have taken the teaching learning to a well-equipped techno- savvy environment.



## **VISION**

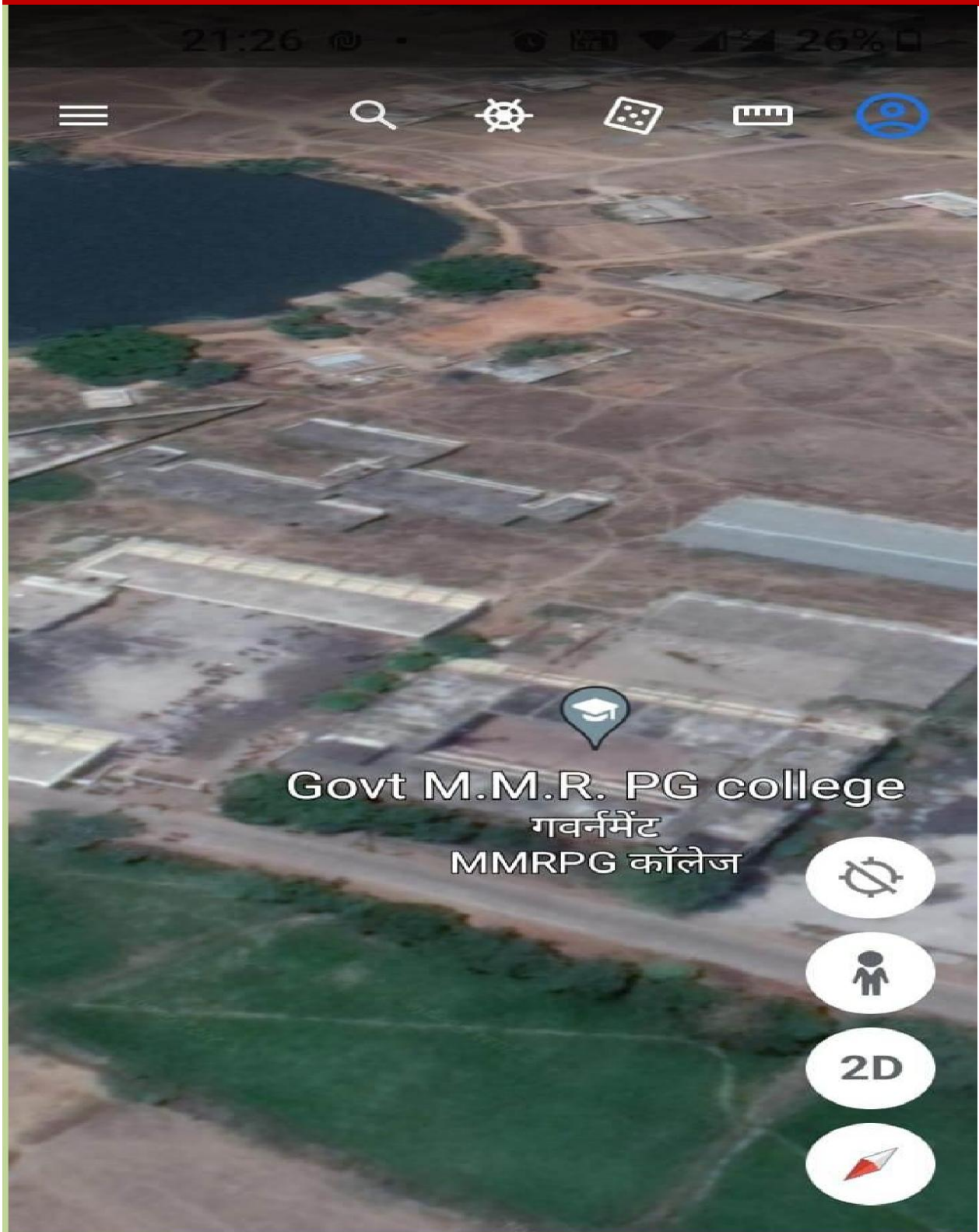
To provide higher educational opportunities to the students that not only benefit students but can also give the institution a leadership position in higher education. Our vision is derived from the very Principle of “Savidyayavimuktey” from “Vishnu Puran” which means there is no salvation without wisdom or we can say that education aims at emancipation or that knowledge is liberating. It means that one’s knowledge will free him from all his troubles. This controls and governs all the affairs bringing us to service of the students. We want to empower specially those who belong to the under privileged section of society, through quality education.

## **MISSION**

1. To provide academic opportunities to the students of remote rural areas of the region.
2. Practical exposure to the students through field activities.
3. To teach the students for availing local resources of the region.
4. To provide various avenue for the female students of the region.
5. To provide a healthy academic environment to the faculties of the institution.
6. To upgrade the students for present day’s techno savvy environment.
7. To make the students aware of digital learning resources is our current mission.



GEOGRAPHICAL LOCATION: 22°02'38N/82°39'05E



**IMAGE FROM GOOGLE EARTH**



## **LAND USE IN THE CAMPUS**

**Total Campus Area: 40470 sqm**

**Total Plantation Area 1420 sqm**

### **Details of Land use for construction:**

Old Building: 2016sqm

New Building(6rooms) 462 sqm

New Building(8rooms) 583 sqm

Library Building 304 sqm

Health Center 72 sqm

Staff Room Building 165 sqm

Covered Stage 81 sqm

Lab Extension 144 sqm

New Building(4rooms) 510 sqm

Indoor Hall 600 sqm

Girls Hostel 575 sqm

## BOTANICAL DIVERSITY INSIDE THE CAMPUS:

### Decoration Plants:

S.N	CommonName	BotanicalName	Family	No.of Plants
1.	Sadabahar	Catharanthus Roseas	Apcynaceae	13
2.	Chandni	Tebrnaemontana Divavricuta	Apocynaceae	02
3.	Cycas Plant	Cycas Circinalis Cycadacease	cycadaceae	03
4.	PinusPlant	PinusSybestris	Pinaceal	02
5.	Gudhal (ChineaseRose)	Hibixcursacurensis	Malvceae	04
6.	IocoraPlant	IcoraCoccinea	Rubiaceal	03
7.	Pteries(Fern)	Pteris	Pteridaceal	03
8.	Tradescantia	Trandescantia	Commelinacea r	20
9.	SpiderPlant	Chlorohytam Comosum	Aparagaceal	05
10.	LilyPlant	LiliumCandidum	Liliaceal	10
11.	Shevanti	Chrysanthemum	Asteraceae	02
12.	Vajayanti	CannaLily	Liliaceac	04
13.	Genda(Merigold)	TagetesExocta	Asteraceal	03
14.	Amaltas	Cassiafistula	Fabaceae	07
15.	Gulmohar	Delonixrogi	Fabaceae	06
16.	Mongra	JasmunumSambac	Oleaceae	10
17.	Kaner	NeriumOleander	Oleaceae	06
18.	PlamPlant	Areca	Arecaceae	01
19.	AshokaTree	Saracesasoca	Fabaceal	04
20.	NagphaniTree	OpurtiaMonacantha	Cactaceae	02
21.	ThujaPlant	ThujaOccidentalis	Cupreusaceal	02
22.	ChristmasTree	AraucariaClumntis	Araucariaceaal	02
23	Dracaena	Dracaenamarginata	Asparagaceae	

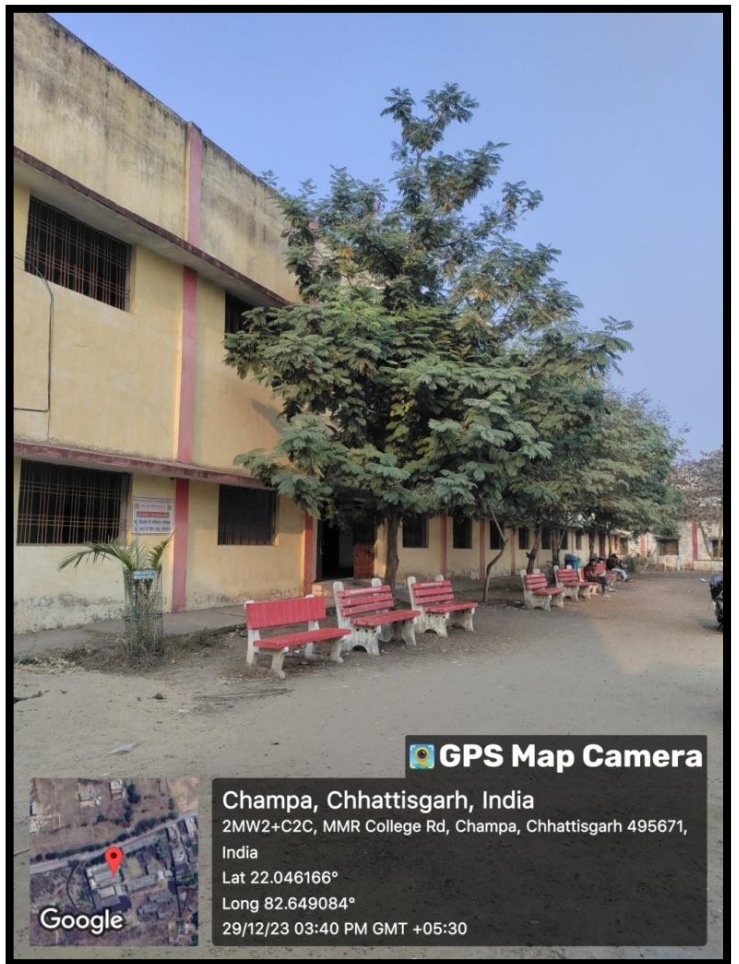
### Timber Plants:

S.N	CommonName	BotanicalName	Family	No.of Plants
1.	Karanj	MilietteaPinnata	Fabaceae	12
2.	Aam	MangiferaIndica	Anacardiaceae	04
3.	Sagon(Teak)	TectonaGrandis	Lamiaceae	02
4.	Babul Tree	Vachellianitotica	Fabacea	30
5.	Shisham	DalbergiaSissoo	Fabacea	08

### Medicinal Plants:

S.N	CommonName	BotanicalName	Family	No.of Plants
1.	Neem	AzadiractaIndica	Meliaceae	10
2.	Tulshi	OcimumSaotum	Lamiaceae	10
3.	Hadjod	Cissem duadrengauaris	Vetaceae	10
4.	Dauna	Artemisiaindica	Asteraceae	03
5.	Kaner	Neriumoleander	Apocynaceae	10
6.	Haldi	Curcumalonga	Zingiberaceae	01
7.	Aloe	Aloevera	Liliaceal	05
8.	Patharchatta	Kalanchoe Pinnates	Crassulaceae	08
9.	Sadabahar	Catharanthus roseal	Apocynaceal	10
10.	Amreed	Pridiumguajava	Myrtaceae	03
11.	Aak	Calotropisprocra	Asclepiadaceae	50
12.	Elaichi	Candamon arromum	Zingiberaceae	03
13.	Nimbu(Lemon)	Cetruslimon	Rautaceae	01
14.	Vashak	Justicaadhcdoda	Acanthaceae	01
15.	Babul	AcaciaNilotika	Fabaceae	30
16.	Sitaphal(SugarApple)	Annonasquamosa	Annonaceae	04
17.	Jamun	Syzygiumeumini	Myrtaceaeae	01
18.	Pome granate	Punica granatam	Puniceae	





## GREEN CAMPUS-CLEAN CAMPUS

## DIVERSITY INSIDE THE CAMPUS:

### Invertebrates:

S.N	CommonName	ScientificName
1.	Earthworm	PheretimaPosthuma
2.	Leech	Hirudinea
3.	Cockroach	PeriplanetaAmericana
4.	DragonFly	Anisoptera
5.	TasarMoth	AntheraeaMylitta
6.	Termite	Odontotermes
7.	Centipede	Scolopendra
8.	Millipede	Eurymerodesmus
9.	Crab	Brachyura
10.	Butterfly	Papilio
11.	HoneyBee	ApisIndica
12.	Wasp	Ropalidia
13.	PotterWasp	Eumenes
14.	BumbleBee	Bombus
15.	Pila	PilaGlobosa

### Vertebrates Fauna:

S.N	CommonName	ScientificName
1.	Frog	RanaTikrina
2.	IndianTreeFrog	PolypedatusMaculatus
3.	WaterSnake	XenochrophisPisc
4.	Skink	Sphenomorphusindicus
5.	Lizard	Hemidactylus
6.	Buffstripedkeelback	Amphiesma
7.	Crow	Corvussplendons
8.	Pigeon	ColumbaLebia
9.	Koel	Endynamys
10.	Myna	Acridotheres
11.	HouseSparrow	PasserDomesticus
12.	Parrot	Psittacula
13.	Littleegret	Egrettaagarzetta
14.	BayaWeaver	Ploceus
15.	IndianRobin	Copsychus
16.	RedMunia	Avadavat
17.	Owl	Bubobengalensis
18.	Kite	Milvus
19.	Bat	Pteropus
20.	Rat	Rattus



**Faunain Campus**



Grasshopper



Lady Beetle



Domino Beetle



Fly



Spider



Cucumber Moth



Butter Fly



Stink Bug



Spider



Millipede



Scolopendra



Butter Fly



Hoope



Pigeon



Green ant eater



Cat



Sparrow



Lizard



कार्यालय प्राचार्य, शासकीय एम.एम.आर. स्नातकोत्तर महाविद्यालय, चाम्पा  
जिला :- जांजगीर-चांपा (छ.ग.)

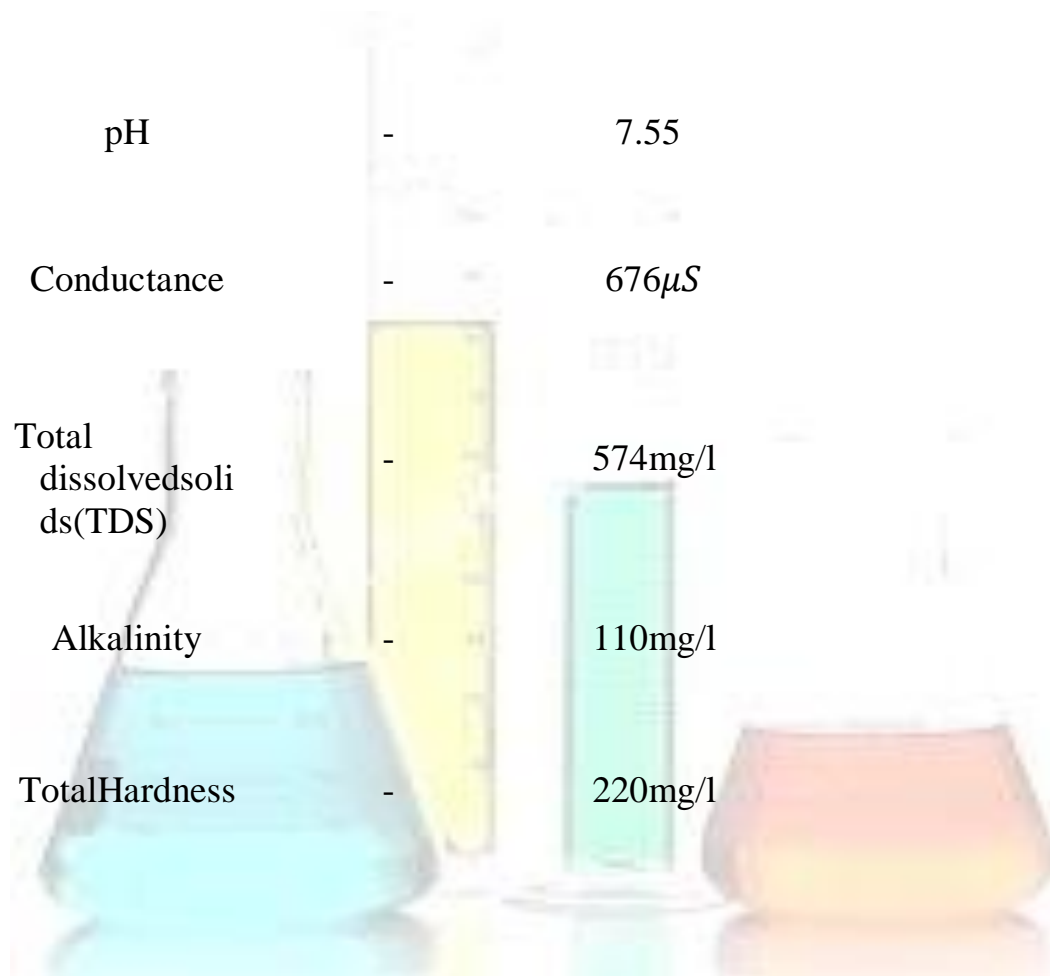
राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद "नैक" बेंगलोर द्वारा (तृतीय चक्र-2022) मूल्यांकित "बी" ग्रेड संस्था


ई-मेल : gpgc\_cph@yahoo.com

वेबसाईट - www.gmmrcg.in

Sample testing of drinking water collected from the college premises for  
Post Monsoon period conducted on 02 January 2023

### Physio -Chemical Parameters



  
(Dr. B.D. Diwan)  
Head  
Department of Chemistry

# Green Initiatives by Campus

## **Waste Disposal:**

The faculties and students are regularly advised to reduce waste at lower extent. Sincere students put waste in separate bins kept at different places in the college campus. The solid wastes are regularly collected by the garbage town council. It is processed as per the nature of the waste. To minimize the problem of waste disposal separate dust bins are kept. Blue colored dust bin is for dry waste and green colored dust bins are used for wet waste also a dust bin kept in every room to collect the dust waste is collected twice in a day. Dry waste mainly leaf litter is allowed to decompose systematically over a period in the waste management pit. There is sanitary napkin vending and destroyer machine installed in the girls toilet for the proper waste management of sanitary wastes. Plastic Bags are banned inside the campus.

There is a written communication with Nagar Palika Champa for collection of waste. The boards with meaningful slogans are displayed to bring environmental consciousness among the students as well as stake holders.





## Dustbin

## Rain water harvesting

The college has a rain water harvesting system for better ground water recharge. The stored water in this tank can be used for gardening purposes and supply to the running track.



## Renewable Energy

The college has also installed solar panels on the rooftop of building.



## Programs:

1. College organized a Best out of Waste activity under swatch Bharat Abhiyan. The students from various colleges had participated in the event and helped to make it a great success.
2. College organised “Paper Bag Campaign”. The aim of this campaign was to reduce the use of plastic bags.
3. College organised “World Ozone Day” to aware students to save earth by plantation and reduce emission.

## EXPENDITURE ON GREEN INITIATIVES

The college is a Government College which governs and runs with the rules and regulations of Higher Education Department, Govt. of Chhattisgarh. There is no provision of budget separately for green campus initiatives. Janbhagidari Samiti budget of the college bears the expenses incurred in the greenery and other eco-friendly provisions. Other than this, NSS volunteers and students of Botany department work as volunteers and field workers for the initiatives adopted for Green Campus. Volunteer from outside the campus are also a source of support for Green initiatives.



## SUGGESTIONS

- Increase the capacity of solar PV so that it can fulfil at least 70% of the electricity requirement
- Increase plantation drives in nearby villages, local bodies, NGO and Municipal Corporation in order to balance the carbon emission and absorption.
- To prepare a proper managements sytem for the prevention of plants and zoological species in the college.
- Waste management pit can be upgraded.
- Water testing can be done through any external testing and consultancy service provider.
- Messages should be displayed at various locations to Aware the People about Energy Savings



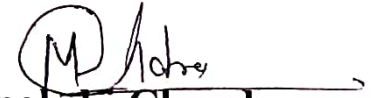
**Dr. Ranjana Nath**



**Dr. V.K. Sharma**



**Dr. L.P. Miri**



**Smt. Meenakshi Chandra**



**Miss Neelima Pandey**



**Mr. Vivek Jaiswal** 13.01.24