

# Green Audit Report

2019-20



**INTERNAL QUALITY ASSURANCE CELL  
(IQAC)**

**Government M. M. R. PG. College,  
Champa**

# **Internal Green Audit Assessment Team**

**Coordinator: Dr. B. D. Diwan, Head, Department of Chemistry**

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**Smt. Rajlaxmi Saraf, Head, Department of Botany**

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**Dr. Archana Pandey, Department of Zoology**

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## **INTRODUCTION:**

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 institutes which will lead for sustainable development and at the same time reduce a sizable amount of atmospheric CO<sub>2</sub> from the environment. The National Assessment and Accreditation Council (NAAC) have made it mandatory that all Higher Educational Institutions should submit an annual Green Audit Report. Moreover, it is part of Corporate Social Responsibility of the Higher Educational Institutions to ensure that they contribute towards the reduction of global warming through carbon footprint reduction measures.

Green Audit 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 outgrowth of a quality educational institution. Thus it is imperative that the college evaluate its own contributions toward 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:**

- 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.

## **ABOUT THE COLLEGE:**

Government M.M.R. PG. College, Champa is situated in Bilaspur Howrah Rail Section of S.E.C. Railway, 10 Kms far from the district head quarter. The flow of Hasdeo river and natural surrounding make its location more attractive.

Our College is being governed by the rules and regulation late down by dept of Higher Education, Govt. of Chhattisgarh, Raipur and was affiliated to Bilaspur University, Bilaspur. At present in the year 2021-22 the college is affiliated to Shaheed Nand Kumar Patel University, Raigarh. The college was established as a Govt. College in the year 1947 with art 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 financing scheme 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. 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 level sports 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 and more 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 of present 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.

To assure good administration some rules and regulation are framed by the College administration and all the students have to follow them. In this way, the college is doing its best efforts to spread education in this region in the best possible way.

## **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 "Sa vidya ya vimuktey" from "Vishnu Puran" which means there is no salvation without wisdom. 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.

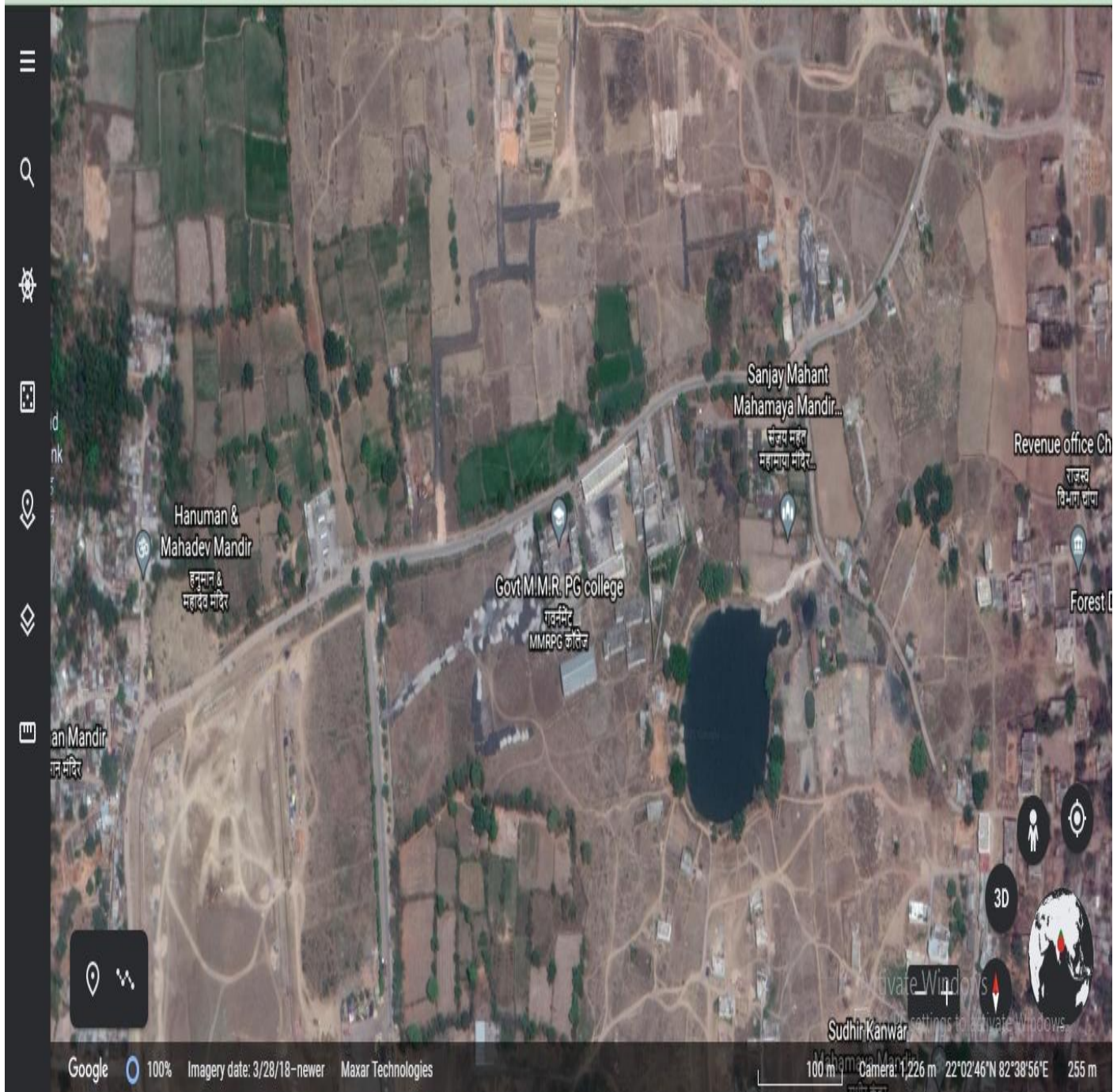
## **MISSION**

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' 05 E



**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: 2016 sqm

New Building (6 rooms) 462 sqm

New Building (8 rooms) 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 (4 rooms) 510 sqm

Indoor Hall 600 sqm

Girls Hostel 575 sqm

## BOTANICAL DIVERSITY INSIDE THE CAMPUS:

### Decoration Plants:

S.N	Common Name	Botanical Name	Family	No. of Plants
1.	Gulab (Rose )	Rosa Rubigemosa	Rosaceac	05
2.	Sadabahar	Catharanthus Roseas	Apcynaceae	10
3.	Chandni	Tebrnaemontana Divavricuta	Apocynaceae	02
4.	Cycas Plant	Cycas Circinalis Cycadacease	cycadaceae	03
5.	Pinus Plant	Pinus Sybestris	Pinaceal	02
6.	Gudhal (Chinease Rose)	Hibixcus rsacurensis	Malvceae	02
7.	Iocora Plant	Icora Coccinea	Rubiaceal	03
8.	Pteries (Fern)	Pteris	Pteridaceal	03
9.	Tradescantia	Trandescantia	Commelinacea r	20
10.	Spider Plant	Chlorohytam Comosum	Aparagaceal	05
11.	Lily Plant	Lilium Candidum	Liliaceal	06
12.	Shevanti	Chrysanthemum	Asteraceae	02
13.	Vajayanti	Canna Lily	Liliaceac	04
14.	Genda (Merigold)	Tagetes Exocta	Asteraceal	03
15.	Amaltas	Cassia fistula	Fabaceae	07
16.	Gulmohar	Delonix rogia	Fabaceae	06
17.	Mongra	Jasmunum Sambac	Oleaceae	02
18.	Kaner	Nerium Oleander	Oleaceae	10
19.	Tad Plant	Borassus Flabellifer	Arecaceae	01
20.	Snak Plant	Dracaena Trifasciata	Asparagaceae	05
21.	Plam Plant	Areca	Arecaceae	01
22.	Ashoka Tree	Saraces asoca	Fabaceal	04
23.	Nagphani Tree	Opurtia Monacantha	Cactaceae	03
24.	Thuja Plant	Thuja Occidentalis	Cupreusaceal	01
25.	Christmas Tree	Araucaria Clumntis	Araucariaceaal	01

### Timber Plants:

S.N	Common Name	Botanical Name	Family	No.of Plants
1.	Karanj	Miliettea Pinnata	Fabaceae	15
2.	Aam	Mangifera Indica	Anacardiaceae	04
3.	Sagon (Teak)	Tectona Grandis	Lamiaceae	02
4.	Babul Tree	Vachellia nitotica	Fabacea	30
5.	Shisham	Dalbergia Sissoo	Fabacea	08
6.	Tendu	Diospyros Melancoxylon	Fabaceae	02

### Medicinal Plants:

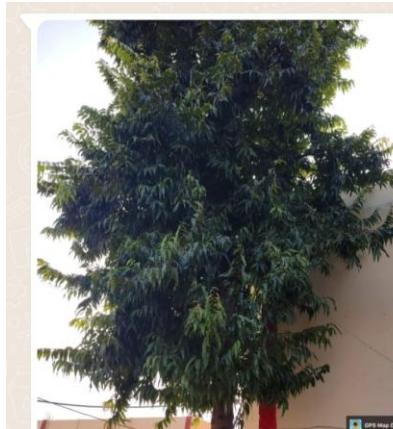
S.N	Common Name	Botanical Name	Family	No. of Plants
1.	Neem	Azadiracta Indica	Meliaceae	10
2.	Tulshi	Ocimum Saotum	Lamiaceae	04
3.	Hadjod	Cissem duadrenghuaris	Vetaceae	10
4.	Dauna	Artemisia indica	Asteraceae	03
5.	Kaner	Nerium oleander	Apocynaceae	10
6.	Haldi	Curcuma longa	Zingiberaceae	01
7.	Aloe	Aloe vera	Liliaceal	05
8.	Patharchatta	Kalanchoe Pinnates	Crassulaceae	08
9.	Sadabahar	Catharanthus roseal	Apocynaceal	10
10.	Amreed	Pridium guajava	Myrtaceace	03
11.	Aak	Calotropis procra	Asclepiadaceae	50
12.	Elaichi	Candamon arromum	Zingiberaceae	03
13.	Nimbu (Lemon)	Cetrus limon	Rautaceae	01
14.	Vashak	Justica adhdoda	Acanthaceae	01
15.	Babul	Acacia Nilotika	Fabaceae	30
16.	Sitaphal (Sugar Apple)	Annona squamosa	Annonaceae	04
17.	Jamun	Syzygium eumini	Myrtaceaeae	01
18.	Four O'Clock Flower	Mirabilis Jalapa	Neyctoginaceae	03



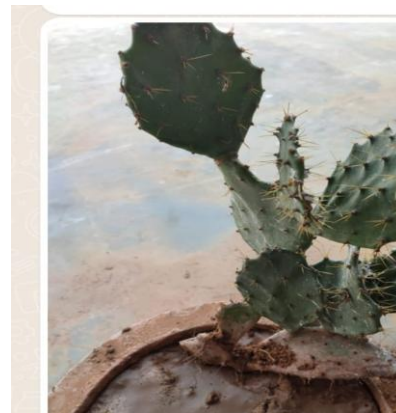
**Hibiscus Rosa Sinensis**



**Cycas Circinalis**



**Saraca Asoca**



**Opuntia Monacantha**



**Aloe Barbadensis  
Miller**



**Dracaena Trifasciata**

## ZOOLOGICAL DIVERSITY INSIDE THE CAMPUS:

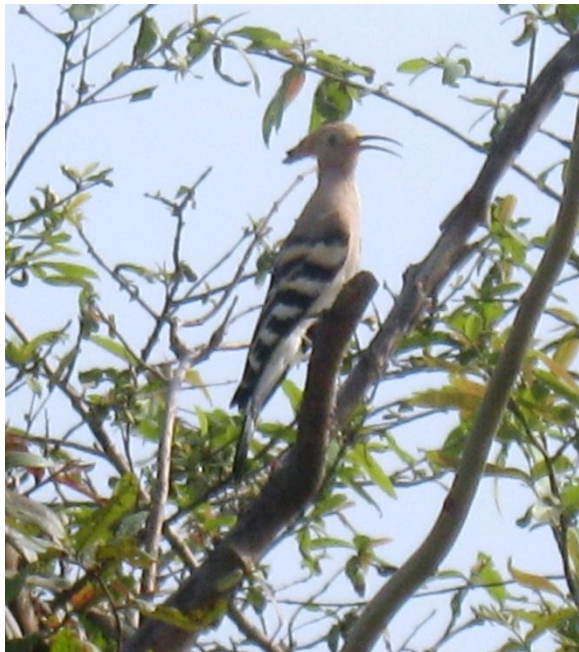
### Vertebrates Fauna:

<b>S.N</b>	<b>Common Name</b>	<b>Scientific Name</b>
1.	Frog	Rana Tikrina
2.	Indian Tree Frog	Polypedatus Maculatus
3.	Water Snake	Xenochrophis Pisc
4.	Skink	Sphenomorphus indicus
5.	Lizard	Hemidactylus
6.	Buff striped keelback	Amphiesma
7.	Crow	Corvus splendons
8.	Pigeon	Columba Lebia
9.	Koel	Endynamys
10.	Myna	Acridotheres
11.	House Sparrow	Passer Domesticus
12.	Parrot	Psittacula
13.	Little egret	Egretta garzetta
14.	Baya Weaver	Ploceus
15.	Indian Robin	Copsychus
16.	Red Munia	Avadavat
17.	Owl	Bubo bengalensis
18.	Kite	Milvus
19.	Bat	Pteropus
20.	Rat	Rattus
21.	Squirrel	Funabulus
22.	Lark	Alaudidae
23.	Green Bee Eater	Merops orientalis
24.	Hoopoes	Upupidae

## Invertebrates:

S.N	Common Name	Scientific Name
1.	Earthworm	Pheretima Posthuma
2.	Leech	Hirudinea
3.	Cockroach	Periplaneta Americana
4.	Dragon Fly	Anisoptera
5.	Tasar Moth	Antheraea Mylitta
6.	Termite	Odontotermes
7.	Centipede	Scolopendra
8.	Millipede	Eurymerodesmus
9.	Crab	Brachyura
10.	Butterfly	Papilio
11.	Honey Bee	Apis Indica
12.	Wasp	Ropalidia
13.	Potter Wasp	Eumenes
14.	Bumble Bee	Bombus
15.	Pila	Pila Globosa

## Fauna clicked by the students



Hopes



Lark



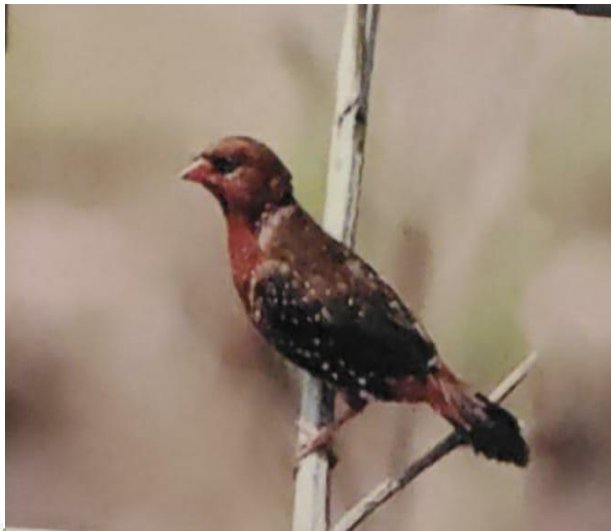
Koel



Crow



Centipede



Red Munia



कार्यालय प्राचार्य, शासकीय एम.एम.आर. स्नातकोत्तर महाविद्यालय, चांपा (छ.ग.)

जिला:- जांजगीर-चांपा (छ.ग.)

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद नैक बैंगलोर द्वारा द्वितीय चक्र-2016 मूल्यांकित बी ग्रेड संस्थान

Sample testing of drinking water collected from the college premises for Post Monsoon period conducted on 22 October 2019.

### Physio - Chemical Parameters

pH	-	7.55
Conductance	-	676 $\mu S$
Total dissolved solids (TDS)	-	574 mg/l
Alkalinity	-	110 mg/l
Total Hardness	-	220 mg/l

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



## **WASTE DISPOSAL SYSTEM INSIDE THE CAMPUS**

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 stakeholders.



**Waste Management Pit under Construction**



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

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद नई दिल्ली द्वारा द्वितीय चक्र-2016 मूल्यांकित बी ग्रेड संस्थान  
ई-मेल-[gpgc\\_cph@yahoo.com](mailto:gpgc_cph@yahoo.com) महाविद्यालय कोड-3005 वेबसाइट-[www.gmmrcg.in](http://www.gmmrcg.in)

क्रमांक/612/स्था./2021

चाम्पा, दिनांक 09/10/18

प्रति,

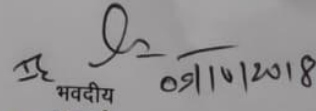
मुख्य नगर पालिका अधिकारी  
नगरपालिका परिषद चांपा  
(छ0ग0)

विषय:- महाविद्यालय से ठोस अपशिष्ट संग्रहण हेतु।

महोदय,

विषयांतर्गत लेख है कि शास.एम.एम.आर.पी.जी. महाविद्यालय में स्नातक एवं स्नातकोत्तर स्तर के अध्ययन-अध्यापन कार्य कला, विज्ञान एवं वाणिज्य संकाय में संचालित है तथा समयानुसार विविध जयंती/दिवस के अवसर पर सभा, संगोष्ठी एवं सेमीनार आयोजित किये जाते हैं। इन अवसरों पर महाविद्यालय में ठोस अपशिष्ट अधिक मात्रा में जमा हो जाता है, जिसका महाविद्यालय परिसर से छात्र हित एवं पर्यावरण स्वच्छता की दृष्टि से निष्कासन आवश्यक है।

अतः नियमित अंतराल पर महाविद्यालय के ठोस अपशिष्ट के निष्कासन की व्यवस्था कर महाविद्यालय प्रशासन को सहयोग प्रदान करें।


  
भवदीय  
09/10/2018

PRINCIPAL  
शास. एम.एम.आर. स्नातकोत्तर महाविद्यालय, चांपा  
जिला- जांजगीर-चांपा (छ.ग.)  
CHAMPA (C.G.)

Letter to Municipal Council for regular waste collection

## 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.

SAURABH & CO.		EMAIL:-saurabh.bhure@rediffmail.com		Mobile:- 7828302282	
COST ACCOUNTANT		ADDRESS:-TEHSIL ROAD,CHAMPA(C.G)			
SWA VITHIYA YOJNA OF SHASHKIYA MAHAVIDYALAYA,CHAMPA,DIST:- JANJGHIR-CHAMPA(C.G)					
<b>Income and Expenditure Statement</b>					
FOR THE YEAR ENDING ON 31.03.2019					
Swa Vithiya Yjna			Swa Vithiya Yjna		
1-Apr-2018 to 31-Mar-2019			1-Apr-2018 to 31-Mar-2019		
<b>Particulars</b>		<b>Particulars</b>		<b>Particulars</b>	
<b>Direct Expenses</b>		<b>Direct Incomes</b>		<b>Direct Incomes</b>	
Honourium	1436806.00	FEEs	1732818.00		
<b>Indirect Expenses</b>		<b>RECOVERY OF ADVANCE</b>		<b>RECOVERY OF ADVANCE</b>	
Advance to Staff	204000.00	FORM STAFF	204000.00		
Bank Charge	354.00	SCHOLARSHIP INCENTIVE	22000.00		
Computer Maintenance Expense	44694.00	<b>Indirect Incomes</b>		<b>Indirect Incomes</b>	
Conference Room Renovation	200000.00	ELECTRIC BILL TRANSFER RECEIVED	239733.00		317480.00
Cycle Stand Repair	30000.00	INTEREST	77747.00		
Educational Tour Expense	27600.00	Excess of Expenditure over Income		326553.00	
ELECTRIC BILL TRANSFER EXPENSE	63209.00				
Electric Maintenance Expense	41270.00				
Renovation of Department	83813.00				
Gardening Expense	30270.00				
INCEDENTAL EXPENSE	80153.00				
INTERNET	23980.00				
Photo copy machine repair	20473.00				
porch renovation	157133.00				
Refereshment expense	19575.00				
Seating arrangement expense	80000.00				
Stationery expense	25962.00				
Water supply expense	33559.00				
<b>Total</b>	<b>2602851.00</b>	<b>Total</b>	<b>2602851.00</b>		
CERTIFICATE : That the above statement of INCOME & EXPENDITURE as per Explanation provided by "SWA VITHIYA YOJNA OF SHASHKIYA MAHAVIDYALAYA CHAMPA " of DIST: JANJGHIR CHAMPA(C.G) for the year ending on 31.March,2019.			That the above statement of INCOME & EXPENDITURE of "SWA VITHIYA YOJNA OF SHASHKIYA MAHAVIDYALAYA CHAMPA " of DIST: JANJGHIR CHAMPA(C.G) is certified to the best of our knowledge and belief, as per the RECEIPT & PAYMENT STATEMENT shown to us for our verification and explanation provided to us as and where required.		
<b>PRINCIPAL,</b> Govt. Post Graduate College CHAMPA (C. G.)			FOR, SAURABH & CO. COST ACCOUNTANT		
CORRESPONDENT:		 Saurabh (SAURABH BHURE)			
PALCE:-					
DATE:-					
		CHAMPA			

## SUGGESTIONS:

- To prepare a proper management system 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.
- More efforts can be done on raising the fund from the government and non government agencies

Iwan

Uk

Sharaff

Umairawal

Am