



7.1.6

Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives

D.P. Vipra College

Old High Court Road, Bilaspur Chhattisgarh, India 495001

OFFICE OF THE PRINCIPAL



D. P. VIPRA COLLEGE, BILASPUR (C.G.)

Accredited "A" by NAAC, ISO-9001:2015 Certified

Phone No.- 07752-424497, Web. - www.dpvipracollege.in, Email- dpvipracollege@gmail.com

Summary-Sheet

Criteria	7 – Institutional Values and Best Practices			
	7.1.6: Quality audits on environment and energy are regularly undertaken by the			
	institution.			
	1.Green audit			
Metric	2. Energy audit			
	3.Environment audit			
	4.Clean and green campus recognitions/awards			
	5. Beyond the campus environmental promotional activities			
	"Please provide the scanned images of 1. policy document highlighting the section in the			
	handbook/calendar mentioning the policy, on the green audit, attested by Principal 2.			
	certificates of the awards received from the recognized agency, attested by Principal. 3.			
DVV Clarifications	report on environmental promotional activities conducted beyond the campus, attested by			
	Principal, with geo tagged photographs with caption and date, if available. 4. Please			
	provide screenshot of web pages of the college website mentioning the green policy.			

Quality audits on environment and energy are regularly undertaken by the institution.

- 1.Green audit.
- 2. Energy audit
- 3.Environment audit
- 4.Clean and green campus recognitions/awards
- 5. Beyond the campus environmental promotional activities

Selected Option for the above measures

A

Any 4 or all of the above

Note:

Since all supporting documents for this metric exceeds the upload limit of 5Mb, hence we have hosted the scanned documents as per SOP on institutional website on the following links.

Description	Relevant link			
1) Policy document highlighting the section in the mentioning the				
policy, on the green campus /audit, attested by Principal				
(Appendix-I)				
2) List of Quality audits / Certificate of the wards on environment				
and energy are regularly undertaken by the institution is attached.				
(Appendix-II)				
3) Report on environmental promotional activities conducted	https://dpvipracollege.in/wp-			
beyond the campus along with notices, certificates, 1 page report	content/uploads/2022/06/dvv_7.1.6.pdf			
of the activity, attested by Principal attached.				
(Appendix-III)				
4) Screenshot of web pages of the college website mentioning the				
green policy.				
(Appendix-IV)				

IQAC Co-ordinator
D.P. Vipra College
BILASPUR (C.G.)
IQAC Coordinator

PRINCIPAL D.P. Vipra College Bilaspyr (C.G.) Principal



Appendix I

D.P. Vipra College

Old High Court Road, Bilaspur Chhattisgarh, India 495001



OFFICE OF THE PRINCIPAL

D.P. VIPRA COLLEGE, BILASPUR (C.G.)

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GREEN CAMPUS POLICY

D.P Vipra College and its association with mother nature has been long and all the members housing the campus are pretty aware of the fact to work for its sustenanceThe college has taken an initiative to create a campus which is student friendly, pollution free and subsequently a green campus. The Green Campus, Energy and Environment Policies are intended to develop exciting new co-curricular and extracurricular practices that encourage students to take the lead in creating positive change.

SCOPE OF POLICY:Green Campus initiatives works on many facets and the focus areas of the policy are:

- 1. Clean Campus initiatives
- 2. LandscapingInitiatives
- 3.Clean Air Initiatives-
 - Smoking Free Campus
 - Restricted entry of automobiles
- 4.Infrastructure-
 - · Solar Power Plant
 - Installation of Energy Efficiency Equipment
 - Water Conservation through Rainwater Harvesting System
- 5. Waste Management processes-
 - Solid Waste Management

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- Liquid Waste Management
- E-Waste Management
- 6. Awareness Initiatives
- 7. Environment-centric Student Societies and Department Activities
- 8. Green and Environment Audit
- 9. Energy Audit
- 10. Plastic-Free Campus

OBJECTIVE OF THE POLICY:

- 1 To protect and conserve ecology and natural resources within the campus.
- 2. To integrate environmental awareness program into plans, policies for outreach activities and social initiatives.
- 3. To continuously improve the efficient use of allrecourses of energy and water.
- 4. To promote recycling system and proper waste management.

5. To promote e-governance.

Principal
D.P. Vipra College
Bilaspur (C.G.)

PRINCIPAL D.P. Vipra Colleg-Bilaspur (C.G.)

PRINCIPAL
D.P. Vipra College
Rilaspur (G.G.)



Appendix II

D.P. Vipra College

Old High Court Road, Bilaspur Chhattisgarh, India 495001





Endless in Optimization

GREEN & ENVIRONMENT AUDIT REPORT D. P. Vipra College, Bilaspur(C.G.)



January 2020

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PRINCIPAL D.P. Vipra College Bilaspur (C.G.) Prepared By:

Greenserve Energy Management Solutions

Vijay Nagar,

Durg (C.G.) - 491001



Acknowledgement

We are thankful to the Chairman Shri Anurag Shukla and the Principal Dr. Anju Shukla of the D. P. Vipra College, Bilaspur for entrusting processes of Green & Environment auditing with us. We thank all the participants of the auditing team especially students, faculty and non-teaching staff who took pain along with us to gather data through survey. We also thank the office staff who helped us during the document verification.

Audit Team Members

1	Rahul Agrawal	Certified Energy Auditor
2	Ponraja N	Certified Energy Auditor
3	Jayendra Mohabe	Senior Energy Engineer
4	Bhumesh Jagnit	Energy Engineer

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PRINCIPAL
D.P. Vipra College
Bilaspur (C.G.)



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5	Conclusion & Recommendations	Error! Bookmark not defined.2

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PRINCIPAL D.P. Vipro College



1. Executive Summary

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.

D. P. Vipra College, Near Old High Court Road Bilaspur, Chhattisgarh is deeply concerned and unconditionally believes that there is an urgent need to address these fundamental problems and reverse the trends. Being a premier institution of higher learning, the college has initiated 'The Green Campus' program that actively promote the various projects for the environment protection and sustainability.

The purpose of the audit was to ensure that the practices followed in the campus are in accordance with the Green Policy adopted by the institution. The methodology includes: preparation and filling up of questionnaire, physical inspection of the campus, observation and review of the documentation, interviewing key persons, data analysis, measurements and recommendations. It works on the several facts of 'Green Campus' including Water Conservation, Tree Plantation, Waste Management, Paperless Work, Alternative Energy and Mapping of Biodiversity. With this in mind, the specific objectives of the audit are to evaluate the adequacy of the management control framework of environment sustainability as well as the degree to which the departments are in compliance with the applicable regulations, policies and standards. It can make a tremendous impact on student's health and learning college operational costs and the environment. The criteria, methods and recommendations used in the audit are based on the identified risks

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PRINCIPAL D.P. Vipra College

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2. Introduction

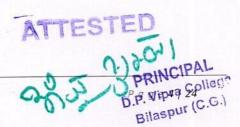
Green Audit can be defined as systematic identification, quantification, recording, reporting and analysis of components of environmental diversity. The 'Green Audit' aims to analyze environmental practices within and outside the college campus, which will have an impact on the eco-friendly ambience. It was initiated with the motive of inspecting the work conducted within the organizations whose exercises can cause risk to the health of inhabitants and the environment. Through Green Audit, one gets a direction as how to improve the condition of environment and there are various factors that have determined the growth by carrying out Green Audit.

Green audit is assigned to the criteria 7 of NAAC, National Assessment and Accreditation Council which is a self-governing organization of India and it declares the institutions as Grade A, B or C according to the scores assigned during the accreditation.

2.1 About the College

The Year 1969 marks the beginning of college education in this area. With inspiration of Shri Rameshwar Prasad Sharma, Chairman, Laxamaneshwar Shikshan Samiti, Kharod and by great efforts of Prof. Ram Narayan Shukla a night college in Bilaspur could be established. This college was affiliated to Ravi Shankar Vishwavidyalaya, Raipur in 1969-1970 and the College Education Department of M.P. Government also accorded its recognition. The college was inaugurated on September 11, 1969 by then Vice Chancellor of Ravi Shankar University, Shri Banshi Lal Pandey, I.A.S. Later as the result of strong demand by students, day teaching began in July-August 1970. Ravi Shankar University, Raipur accorded permission to change the name of night College and the college was called degree college, Bilaspur. A few years later i.e. in July 1982 the College was named as D.P. Vipra College after the name of the eminent literary figure Pt. Dwarika Prasad Tiwari 'Vipra', ex-president of the college Management committee. D.P. Vipra College has become a centre of attraction for the enlightened students who have, great zeal and thirst for knowledge. Teaching in all subjects is being done by able, experienced, skill and learned professors.

The College has earned a name in academic, curricular, co-curricular and extra-curricular activities. Besides having a big, well established central library Departments of Science have their Departmental Libraries. We have two units of NSS and one unit of Red Cross which confirms commitment of the college towards social services. Likewise college has NCC unit of two platoons having strength of 107. NCC plays a vital role in shaping the personality of the students by teaching time discipline, societal service & self-help. Sports Dept. of the college is very active and always occupies enough space in media on student's achievement. Dr. S.K. Tiwari, Head, Dept of English has been publishing & editing two research journals of repute since 2006.





The College is known for its high academic standards, and the student's bag university ranks on a continuous basis. The college offers 05 UG and 03 PG programmes. The college offers Ph.D programmes in 07 disciplines. Till now 24 students have been pursuing their doctoral studies currently. Out of 74 permanent faculty, 28 are Ph.D. holders. The college has received funds and grants from funding agencies like UGC. The college also partners with MHRD in programmes like Ek Bharat Shrestha Bharat. The College was sanctioned Rs. 2 crore for infrastructure development under RUSA in Chhattisgarh.

The infrastructural facilities include 30 ICT enabled class rooms, 01 seminar halls, 01 svideo conferencing hall, 18 well equipped laboratories 03, computer labs, digital library, etc. The college library has 45989 books and 30 journals as of now. The Principal along with the staff with their vast experience and broad vision, support the dynamisms and ambitious plan of Shri Anurag Shukla, Chairman of governing body, to take the institute to great heights.

VISION AND MISSION

Institutional Vision

Our Institution's motive is "Shraddhavan Labhte Gyanam" and our institute is trying hard to achieve it. The motto of D.P. Vipra College forms the core philosophy of the institution. At the heart of the institution, lies its commitment to education and learning, its ingrained ideology towards individual growth, community building and national development through the spread of knowledge as a lighting beacon on the path evolving to certitude enlightenment.

The vision is the vis major of an institution, the driving force behind its actions and the axis on which its energies are focused. Envisioned by its founder, to be an institution with a purpose of fostering meaningful education.

Mission

The mission statement of the College, signifying the existence and its road map to the achievement of its vision, read as:

"To achieve and sustain excellence in teaching and research, and enriching local and national communities through our research, the skills of alumni, and the publishing of academic and educational materials"

A detailed description of the mission statement reads as:

- To excel in innovative and quality teaching pedagogy and to provide a holistic learning experience to students.
- To identify, tap, nurture and hone talent of individuals of a diverse base enabling them
 to realize and maximize their potential, excel in their academic and non-academic
 pursuits and developing them to be leaders of tomorrow.
- To achieve and promote excellence in publications.
- To develop human resources, infuse quality of leadership and create a competitive pool of scholars.





- To foster outreach, community building and empowerment initiatives at national level.
- To maintain and promote quality, transparency, compliance and sustainability in governance and service delivery.
- To collaborate and work with leading national and international institutions and organizations.
- To ensure outstanding environment-friendly infrastructure and facilities to its users.
- To encourage active participation in sports for complete physical and mental health of students.

Objectives of the College

- With the vision and mission clearly defined, the College has the following formally stated objectives as the basis for creating policy towards its vision and mission:
- To improve the quality and relevance of academic programmes by introducing innovation and customization of pedagogy to enhance student learning and to develop quality learning contents.
- To hone the potential of students towards their academic and individual growth, develop leadership and entrepreneurial capabilities in them; to stimulate them to pioneer innovation and reach out beyond curriculum; to in still values and morals and develop students to be designers of change and transformation in the country.
- To elevate the quality, quantity, accessibility, impact and effectiveness of research.
- To promote engagement in state and national level extra-curricular, outreach, community building and empowerment initiatives.
- To become the first choice of employees by treating positions as human first, developing an organizational culture to raise effectiveness and efficiency in functioning.
- To create, maintain and innovate infrastructure and service dynamics matching the institutional requirement.
- To introduce requirement-based technology, making information easily accessible to the community, sincerity and commitment in following established statutes and maintaining adaptability to the dynamic state of governance.
- Tapping the alumni and community network, adopting environment caring practices for conservation and utilization.

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Bilaspur (C.G.)



Location:

D. P. Vipra College, Bilaspur and the GPS Coordinates of the college is **22.074961**, **82.164601**.



Total Campus Area & College Building Spread Area

Campus area	2.520 Acre



PRINCIPAL D.P. Vipra College Bilaspur (C.G.)



3.0 Pre-Audit Stage

A pre-audit meeting provided an opportunity to reinforce the scope and objectives of the audit and discussions were held on the practicalities associated with the audit. This meeting is an important prerequisite for the green audit because it is the first opportunity to meet the auditee and deal with any concerns. The meeting was an opportunity to gather information that the audit team can study before arriving on the site. The audit protocol and audit plan were handed over at this meeting and discussed in advance of the audit itself. In College preaudit meeting was conducted successfully and necessary documents were collected directly from the college before the initiation of the audit processes. Actual planning of audit processes was discussed in the pre-audit meeting. Audit team was also selected in this meeting with the help of staff and the college management. The audit protocol and audit plan were handed over at this meeting and discussed in advance of the audit itself. The audit team worked together, under the leadership of the lead auditor, to ensure completion within the brief and scope of the audit.

Management's Commitment

The Management of the college has shown the commitment towards the green auditing during the pre-audit meeting. They were ready to encourage all green activities. It was decided to promote all activities that are environment friendly such as awareness programs on the environment, campus farming, planting more trees on the campus etc., after the green auditing. The management of the college was willing to formulate policies based on green auditing report.

Scope and Goals of Green & Environment Auditing

A clean and healthy environment aids effective learning and provides a conducive learning environment. There are various efforts around the world to address environmental education issues. Green & Environment Audit is the most efficient and ecological way to manage environmental problems. It is a kind of professional care which is the responsibility of each individual who are the part of Economical, financial, social, environmental factor. It is necessary to conduct green audit in college campus because students become aware of the green audit, its advantages to save the planet and they become good citizen of our country. Thus, Green audit becomes necessary at the college level. A very simple indigenized system has been devised to monitor the environmental performance of D. P. Vipra College, Bilaspur. It comes with a series of questions to be answered on a regular basis. This innovative scheme is user friendly and totally voluntary. The aim of this is to help the institution to set environmental examples for the community, and to educate the young learners.



Benefits of the Green & Environment Auditing

- > More efficient resource management
- > To provide basis for improved sustainability
- > To create a green campus
- > To enable waste management through reduction of waste generation, solid- waste and water recycling
- > To create plastic free campus and evolve health consciousness among the stakeholders
- Recognize the cost saving methods through waste minimizing and managing Point out the prevailing and forthcoming complications
- > Authenticate conformity with the implemented laws
- > Empower the organizations to frame a better environmental performance
- > Enhance the alertness for environmental guidelines and duties
- Impart environmental education through systematic environmental management approach and Improving environmental standards
- > Benchmarking for environmental protection initiatives
- Financial savings through a reduction in resource use
- Development of ownership, personal and social responsibility for the College and its environment
- Enhancement of college profile
- Developing an environmental ethic and value systems in youngsters.
- ➤ Green auditing should become a valuable tool in the management and monitoring of environmental and sustainable development programs of the college.

Target Areas of Green and Environment Auditing

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D.P. Wipra College

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Green audit forms part of a resource management process. Although they are individual events, the real value of green audits is the fact that they are carried out, at defined intervals, and their results can illustrate improvement or change over time. Eco-campus concept mainly focuses on the efficient use of energy and water; minimize waste generation or pollution and also economic efficiency.

All these indicators are assessed in process of "Green and Environment Auditing of educational institute". Eco-campus focuses on the reduction of contribution to emissions, procure a cost effective and secure supply of energy, encourage and enhance energy use conservation, promotes personal action, reduce the institute's energy and water consumption, reduce wastes to landfill, and integrate environmental considerations into all contracts and services considered to have significant environmental impacts. Target areas included in this green auditing are water, energy, waste, green campus and carbon footprint.

Auditing for Water Management

Water is a natural resource; all living matters depend on water. While freely available in many natural environments, in human settlements potable (drinkable) water is less readily available. We need to use water wisely to ensure that drinkable water is available for all, now and in the future. A small drip from a leaky tap can waste more than 180 litters of water to a day; that is a lot of water to waste enough to flush the toilet eight times! Aquifer depletion and water contamination are taking place at unprecedented rates. It is therefore essential that any environmentally responsible institution should examine its water use practices. Water auditing is conducted for the evaluation of facilities of raw water intake and determining the facilities for water treatment and reuse. The concerned auditor investigates the relevant method that can be adopted and implemented to balance the demand and supply of water. It is therefore essential that any environmentally responsible institution examine its water use practices.

Auditing for Energy Management

Energy cannot be seen, but we know it is there because we can see its effects in the forms of heat, light and power. This indicator addresses energy consumption, energy sources, energy monitoring, lighting, appliances, and vehicles. Energy use is clearly an important aspect of campus sustainability and thus requires no explanation for its inclusion in the assessment. An old incandescent bulb uses approximately 60W to 100W while an energy efficient light emitting diode (LED) uses only less than 10 W. Energy auditing deals with the conservation and methods to reduce its consumption related to environmental degradation. It is therefore essential that any environmentally responsible institution examine its energy use practices.



Auditing for Waste Management

Pollution from waste is aesthetically unpleasing and results in large amounts of litter in our communities which can cause health problems. Plastic bags and discarded ropes and strings can be very dangerous to birds and other animals.

This indicator addresses waste production and disposal, plastic waste, paper waste, food waste, and recycling. Solid waste can be divided into two categories: general waste and hazardous waste. General wastes include what is usually thrown away in homes and schools such as garbage, paper, tins and glass bottles. Hazardous waste is waste that is likely to be a threat to health or the environment like cleaning chemicals and petrol. Unscientific landfills may contain harmful contaminants that leach into soil and water supplies, and produce greenhouse gases contributing to global climate change. Furthermore, solid waste often includes wasted material resources that could otherwise be channelled into better service through recycling, repair, and reuse. Thus, the minimization of solid waste is essential to a sustainable college. The auditor diagnoses the prevailing waste disposal policies and suggests the best way to combat the problems. It is therefore essential that any environmentally responsible institution examine its waste processing practices.

Auditing for Green Campus Management

Unfortunately, biodiversity is facing serious threats from habitat loss, pollution, over consumption and invasive species. Species are disappearing at an alarming rate and each loss affects nature's delicate balance and our quality of life. Without this variability in the living world, ecological systems and functions would break down, with detrimental consequences for all forms of life, including human beings. Newly planted and existing trees decrease the amount of carbon dioxide in the atmosphere. Trees play an important ecological role within the urban environment, as well as support improved public health and provide aesthetic benefits to cities. In one year, a single mature tree will absorb up to 48 pounds of carbon dioxide from the atmosphere, and release it as oxygen. The amount of oxygen that a single tree produces is enough to provide one day's supply of oxygen for people. So, while you are busy studying and working on earning those good grades, all the trees on campus are also working hard to make the air cleaner for us. Trees on our campus impact our mental health as well; studies have shown that trees greatly reduce stress, which a huge deal is considering many students are under some amount of stress.

Auditing for Carbon Footprint

Commutation of stakeholders has an impact on the environment through the emission of greenhouse gases into the atmosphere consequent to burning of fossil fuels (such as petrol). The most common greenhouse gases are carbon dioxide, water vapour, methane, nitrous oxide and ozone. Of all the greenhouse gases, carbon dioxide is the most prominent greenhouse gas, comprising 402 ppm of the Earth's atmosphere. The release of carbon





dioxide gas into the Earth's atmosphere through human activities is commonly known as carbon emissions. An important aspect of doing an audit is to be able to measure your impact so that we can determine better ways to manage the impact. In addition to the water, waste, energy and biodiversity audits we can also determine what our carbon footprint is, based on the amount of carbon emissions created. One aspect is to consider the distance and method travelled between home and college every day. It undertakes the measure of bulk of carbon dioxide equivalents exhaled by the organization through which the carbon accounting is done. It is necessary to know how much the organization is contributing towards sustainable development. It is therefore essential that any environmentally responsible institution examines its carbon footprint.

Methodology of Green and Environment Auditing

The purpose of the audit was to ensure that the practices followed in the campus are in accordance with the Green Policy adopted by the institution. The criteria, methods and recommendations used in the audit were based on the identified risks. The methodology includes: preparation and filling up of questionnaire, physical inspection of the campus, observation and review of the document, interviewing responsible persons and data analysis, measurements and recommendations. The methodology adopted for this audit was a three-step process comprising of:

1. Data Collection – In preliminary data collection phase, exhaustive data collection was performed using different tools such as observation, survey communicating with responsible persons and measurements.

Following steps were taken for data collection:

- > The team went to each department, centres, Library, canteen etc.
- > Data about the general information was collected by observation and interview.
- The power consumption of appliances was recorded by taking an average value in some cases.
- 2. Data Analysis Detailed analysis of data collected include: calculation of energy consumption, analysis of latest electricity bill of the campus, understanding the tariff plan provided by the Chhattisgarh State Electricity Board (CSEB). Data related to water usages were also analysed using appropriate methodology.
- 3. Recommendation On the basis of results of data analysis and observations, some steps for reducing power and water Consumption were recommended. Proper treatments for waste were also suggested. Use of fossil fuels have to be reduced for the sake of community health. The above target areas particular to the college was evaluated through questionnaire circulated among the students for data collection. Five categories of questionnaires were distributed.

D.P. Vipra College



4.0 Post-Audit Stage

4.1 Energy Usage:

DETAILS OF ENERGY CONSUMPTION:

SATYAM BUILDING

Sl.No.	Location / Room No.	KWh/Day
1	Chairman Room	9.46
2	Principal office	9.33
3	Account Department	18.77
4	Room No-4	7.69
5	PRO	3.63
6	Smart Class-03	15.52
7	Room No-6	7.17
8	Smart Class-04	7.61
9	ICT Room & Conference Hall	8.62
10	Emergency	3.91
11	TEA	1.32
12	C 1	3.99
13	C 2	1.51
14	Room No-101	2.97
15	Room No-102	2.97
16	Room No-103	2.97
17	Room No-104	2.97
18	Room No-105	2.97
19	Room No-106	2.97
20	Room No-107	2.97
21	Mathematics Department	5.36
22	Room No-202	2.97
23	Room No-203	2.97
24	Electronics Department	2.97
25	Managemental Departmental Room	1.23
26	Zoology Lab	10.64
27	Botany Lab	13.68
	Total	159.11

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SHIVAM BUILDING

Sl.No.	Location / Room No.	KWh/Day
1	SC1	6.84
2	SC2	6.84
3	C 2	0.50
4	History Department	4.84
5	Salary Department	2.94
6	Chemistry Department	19.64
7	Room No-109	5.94
8	Physics Department	20.68
9	Computer Department	193.15
10	Microbiology Department	14.07
11	Geography Department	9.51
12	Biochemistry Department	30.50
13	Biotechnology Department	6.76
	Total	322.2

	Library	
Sl.No.	Location / Room No.	KWh/Day
1	Library	57.28
	Total	57.28

SUNDARAM BUILDING

Sl.No. Location / Room No.		KWh/Day
1	Hindi Department	3.21
2	English Department	5.70
3	NCC Department	4.65
4	Political Science Department	3.21
5	Sociology Department	5.63
6	Economics Department	4.65
7	Sports Department	6.76
8	Commerce Department	4.65
9	Room No-110	5.94
10	Room No-112	2.97
11	Room No-113	2.97
12	Room No-206	5.68
13	Room No-207	5.92
1000	Total	61.94

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PUSHPARAJ BUILDING

Sl.No. Location / Room No.		KWh/Day
1	Room No-1	1.48
2	Room No-2	1.48
3	Room No-3	1.25
4	Room No-4	1.25
5	Room No-5	1.25
6	Room No-6	1.25
7	Room No-7	1.25
8	Room No-8	1.25
9	NSS Department	7.34
10	Gym	2.49
	Total	20.27
	AUDITORIUM BUILDING	
Sl.No.	Location / Room No.	KWh/Day
1	Conference Room	15.6
1 187	Total	15.6

ATTESTED BOOT

PRINCIPAL D.P. Vipra College Bilaspur (C.C.)



4.1 Water Usage:

Water Storage Tank Capacity in Litre

Sl No.	Location	No.of Tank	Tank Capacity (Ltr)	Storage Capacity (Ltr)	Total Storage (Ltr)	
	College Building	11	15000	15000		
1		3	1000	3000	20000	
-		4	500 2000			
		Total Water	Storage		20000	

Water Supply to College in Litre/ Day

Sl No.	Source Of Water	kW Rating	Locati on	Under Control	Rat ed Flo w (LP M)	Pump Runni ng Minut e /Day	Suppl y Ltr/D ay	% age of Sup ply Wat er
1	Submersible Pump (2 HP)	1.5	Colleg e Buildi ng	College	500	66.66 4	1000 0	50
2	Submersible Pump (2 HP)				premises	500	66.66 6	1000
		Total Wa	ater Supp	ly			2000	

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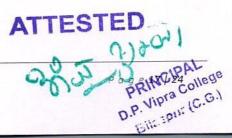
CONTROL BOOK

PRINCIPAL D.P. Vipra College Bilaspur (C.G.)



College Building water Consumption Litre / Day

Sl No	Location	Qty. (Nos.)	No.of Tab	Water Cons. Litre./Day	Water Cons. (%)	Water Outlet to	Remark
1	Administration Committee office	1	3	150	1.31	Ground	
2	Principal office	1	3	150	1.31	Ground	
3	Back Old	1	4	200	1.75	Ground	
4	Back New	2	3	750	6.55	Ground	
5	Smart Class	1	3	150	1.31	Ground	
6	Chemistry Department	1	50	2500	21.83	No	
7	Bathroom Back of Chemistry Departm	1	10	250	2.18	NO	
8	Micro-Biology Department	1	23	1150	10.04	NO	
9	Geography Department	1	5	250	2.18	Water Harvesting	
10	Biotechnology	1	4	200	1.75	Water Harvesting	
11	Third Floor Bathroom	1	10	500	4.37	Water Harvesting	
12	Computer Department	1	4	200	1.75	No	
13	Zoology Department	1	2	100	0.87	No	
14	Botonny Department	1	6	300	2.62	No	
15	Library	1	21	1050	9.17	No	
16	Social Science Department	1	5	250	2.18	No	
17	Bathroom (Pushpa raj Building)	1	5	250	2.18	Ground	
18	Ground Area	1	9	450	3.93	Ground	
19	Auditorium Bathroom	1	4	200	1.75	Ground	
20	Cycle Stand Bathroom	1	10	500	4.37	Ground	
21	Warden Room	1	1	50	0.44	Ground	
22	NCC Department	1	5	250	2.18	Ground	
23	Sports Department	1	5	250	2.18	Ground	
24	Physics Department	1	9	450	3.93	Ground	
25	Borewell Pump	1	2	100	8.70	Ground	
26	Tulu Pump	1	1	50	4.35	Ground	
27	Water Freezer	1	4	200	17.39		30 % Water Use
28	Biochemistry department	1	1	50	4.35	Ground	
29	1st Floor Bathroom	1	3	150	13.04		
30	Inside Auditorium Bathroom	1	7	350	30.43		
	Total water Consumption			11450	100.0	0	10.010





Existing water management methods installed in the campus

Sl No.	Source of ground recharger	Total	Location	Quantity (No.)
1	Rain water harvesting	1	College Building	. 1

4.3 Waste measure and its disposal

MONTHLY PAPER DETAILS:

Sl No.	Details of Paper		New	Paper	Waste Paper	
	Paper	Unit	New Paper	News paper	Waste Paper	News & Other Paper
1	Paper Packet (A4 Size)	No.	25	210	5	
2	Weight Per Packet (Kg)	Kg / Packet	2.20	0.10	2.20	10
		-		21	11	10
	Total Weight	Kg	55	21 21		

Existing waste management methods practiced

- Cleaning the campus on daily basis.
- Segregation of waste into degradable and non-degradable by the cleaning staff.
- Waste bin's in placed in corridors, office and staff rooms.
- E-waste and plastic waste disposal at municipal collection center.
- > Campaigns for reduce, reuse and recycle.
- Special arrangement for exist of waste water from chemical lab.

4.4 Greenery in Campus

Campus tree cover – 0.5 Acre (Approx)

Existing trees details in the campus

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PRINCIPAL D.P. Vipra College Bilaspur (C.G.)

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S.No.	Local Name	Botanical Name	Number of Plants
1	Ashoka	Sarca indica	30
2	Neem Azardirachta indica		7
3			1
4	Karanja	Pongamia pinnata	5
5	Nilgiri	Eucalyptus	2
6	Dracaena	Dracaena	5
7	Kela	Musa indica	4
8	Ratanjot	Jatropha curcas	3
9	Agave	Agave americana	20
10	Palm	Areca pam	25
11	Tuha	Euphorbia milii	3
12	Patharchatta	Kalanchose pinnata	5
13	Kaner	Nerium olender	5
14	Ixora	Ixora	5
15	Jasmine	Jasminun mogra	10
16	Croton	Soribus rotundifolius	12
17	Gudhal	Hibiscus rosa-sinesis	20
18	Tendu	Diosyros melanoxylon	3
19	Gulab	Rosa sinensis	20
20	Cycas	Cycas revolute	10
21	Sadasuhagan	Vinca rosia	2
22	Lotus	Nulumbo nucifera	2
23	Clove Pink	Dianthus caryophylous	4
24	Botal Brush	Collistemon lanceolatus	2
25	Hadge	Golden hadge	200
26	Salvia	Salvia splendens	7
27	Tulsi	Ocimum sanctum	10
28	Champa	Magnolia champaca	5
29	Aurucaria	Aurucaria columnaris	3
30	Vidhya Patti	Thuja occidentalis	5
31	Genda	Maxican marigold	20
32	Sonpatti	Bauhinia racemesa	5
33	Chuhimuhi	Mimosa pudica	1
34	The state of the s		2
The state of the s		Aglaonema commutatum	4
36	Kadam	Neolamarchia cadamba	2
	PARTY CONTROL OF THE PARTY CON	Total	469

ATTESTED PRINCIPAL D.P. Vipra College Bilaspur (C.G.)



5.0 Conclusion and Recommendations

Green and Environment Audit is the most efficient way to identify the strength and weakness of environmental sustainable practices and to find a way to solve problem. Green Audit is one kind of professional approach towards a responsible way in utilizing economic, financial, social and environmental resources. Green audits can "add value" to the management approaches being taken by the college and is a way of identifying, evaluating and managing environmental risks (known and unknown). There is scope for further improvement, particularly in relation to waste, energy and water management. The college in recent years consider the environmental impacts of most of its actions and makes a concerted effort to act in an environmentally responsible manner. Even though the college does perform fairly well, the recommendations in this report highlight many ways in which the college can work to improve its actions and become a more sustainable institution.

Major Audit Observations

- i) Use of notice boards and signs are inadequate to reduce over exploitation of natural resources.
- ii) Solar Plant Installed with Capacity of 30 KW
- iii) Programs on green initiatives have to be increased. Campus is declared plastic free, stringent actions should be taken to maintain this.
- iv) Existing Rain water harvesting systems, solar power generation, environmental education programs have to be strengthened.
- v) Display boards against the misuse of water use are lacking.
- vi) Display boards for awareness in relation to energy conservation is found inadequate.
- vii) There are fans of older generation and non-energy efficient which can be phase out by replacing with new energy efficient fans.
- viii) Solid waste management systems established are insufficient.
- ix) Waste bins in the class rooms, veranda, canteen and campus are inadequate.
- x) Regular planting of trees in the campus Can be increased.
- xi) Display boards to all plants & trees identified, Should be increased.
- xii) There is only very few fruit trees in the college to attract birds.





xiii) College has not yet taken any initiative for carbon accounting.

Recommendations:

Water

- i. Remove damaged taps and install sensitive taps is possible.
- ii. Awareness programs on water conservation to be conducted.
- iii. Install display boards to control over exploitation of water.

Environment

i. Arrange training programmes on environmental management system and nature conservation.

Energy

- i. Establish a purchase policy that is energy saving and eco-friendly.
- ii. Replace incandescent and CFL lamps with LED lights.
- iii. Conduct seminars, workshops and exhibitions on environmental education.
- iv. Establish water, energy and waste management systems.
- v. Increase the number of display boards on environmental awareness such as save water, save electricity, no wastage of food/water, no smoking, switch off light and fan after use, plastic free campus etc.
- vi. Replace old fans with energy efficient fans.
- vii)Replace Window AC with Split AC

Waste

- i. Conduct exhibition of recyclable waste products.
- ii. Conduct more seminars and group discussions on environmental education.
- iii. Remove damaged taps and install sensitive taps is possible.
- iv. Practice of waste segregation to be initiated.
- v. Avoid plastic/thermocol plates and cups in the college level or department level functions.
- vi. Establish an E-waste collection center in campus.

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Green Campus

- i. All trees in the campus should be named scientifically.
- ii. Create more space for planting.
- iii. Grow potted plants at both verandah and class rooms.
- iv. Create automatic drip irrigation system during summer holidays.
- v. Not just celebrating environment day but making it a daily habit.
- vi. Beautify the college building with more indoor plants.
- vii. Conducting competitions among departments for making students more interested in making the campus green.

Carbon footprint

i. Establish a system of car pooling among the staff to reduce the number of four wheelers coming to the college.

ii. Encourage students and staff to use cycles.

Commitments after Green and Environment Auditing

In the light of green and environment audit the College should, adopt some additions in the vision and mission statements promoting compliance with environmental laws and regulations for sustainable existence of the college.

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PRINCIPAL D.P. Vipra College Bilaspur (C.G.)



CERTIFICATION

This Part shall indicate certification by Certified Energy Auditor stating that:

- I. The data collection has been carried out diligently and truthfully.
- II. All data monitoring devices are in good working condition and have been calibrated or certified by approved agencies authorized and no tampering of such device has occurred.
- III. All reasonable professional skill, care and diligence had been taken in preparing the Green & Environment Audit Report and the contents thereof are a true representation of the facts.
- IV. Adequate training provided to personnel involved in daily operation after implementation of recommendation.

Signature:

Name of the Certified Energy Auditor: Mr. Rahul Agrawal Certification Detail: EA-20984

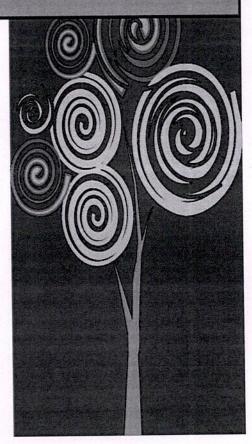
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ENERGY AUDIT REPORT OF D.P. VIPRA COLLEGE, BILASPUR (C.G.)





PRINCIPAL D.P. Vipra Gollege

Bilaspur Geenserve

Managment Solutions

Greenserve Energy **Management Solutions**

Vijay nagar, Near shrinathkuni Dura-491001



Acknowledgement

We are thankful to the Chairman Shri Anurag Shukla and the Principal Dr. Anju Shukla of the D. P. Vipra College, Bilaspur for entrusting processes of Energy auditing with us. We thank all the participants of the auditing team especially students, faculty and non-teaching staff who took pain along with us to gather data through survey. We also thank the office staff who helped us during the document verification.

Audit Team Members

1	Ponraja N Certified Energy Auditor	
2	Rahul Agrawal	Certified Energy Auditor
3	Jayendra Mohabe	Senior Energy Engineer
4	4 Bhumesh Jagnit Energy Engineer	

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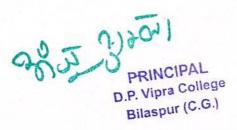
Bilaspur (C.C.)



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List of Abbreviations

Word	Meaning			
ECM	Energy Conservation Measure			
EE	Energy Efficiency			
Kva	Kilo Volt Ampere			
KVAh	Kilo Volt Ampere hour			
kVAr	Kilo Volt Ampere reactive			
kW	Kilo Watt			
kWh	Kilo Watt hour			
PF	Power Factor			
RH	Relative Humidity			
THD	Total Harmonic Distortion			
TR	Tons of Refrigerant			
INR	Indian Rupees			
kV	Kilo Volt			
V	Volt			
A	Ampere			
EB	Electricity Board			
m/s	Meter per seconds			
m2	Meter Square			
CFL	Compact Fluorescent Lamp			
FTL	Fluorescent Tube Light			
LED	Light Emitting Diodes			
FY	Financial Year			
HP	Horse Power			

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Section 1: Executive Summary

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1. Executive Summary

Energy Saving Potential at a glance:

Sno	Energy saving measures	Investment (Lakh Rs.)	Energy Saving Electricity (kWh/Year)	Annual Energy Cost savings (Lakh Rs.)	Payback Period (Months)
1	Replacement of Existing Light to LED Lights in College Building	0.977	11924	0.835	14
2	Replacement of Existing Ceiling Fan to Energy Efficient Fan in College Building	7.575	20362	1.425	64
	Total	8.552	32288	2.26	45

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Section 2: Introduction

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2. Introduction

2.1 About D. P. Vipra College

The Year 1969 marks the beginning of college education in this area. With inspiration of Shri Rameshwar Prasad Sharma, Chairman, Laxamaneshwar Shikshan Samiti, Kharod and by great efforts of Prof. Ram Narayan Shukla a night college in Bilaspur could be established. This college was affiliated to Ravi Shankar Vishwavidyalaya, Raipur in 1969-1970 and the College Education Department of M.P. Government also accorded its recognition. The college was inaugurated on September 11, 1969 by then Vice Chancellor of Ravi Shankar University, Shri Banshi Lal Pandey, I.A.S. Later as the result of strong demand by students, day teaching began in July-August 1970. Ravi Shankar University, Raipur accorded permission to change the name of night College and the college was called degree college, Bilaspur. A few years later i.e. in July 1982 the College was named as D.P. Vipra College after the name of the eminent literary figure Pt. Dwarika Prasad Tiwari 'Vipra', expresident of the college Management committee. D.P. Vipra College has become a centre of attraction for the enlightened students who have, great zeal and thirst for knowledge. Teaching in all subjects is being done by able, experienced, skill and learned professors.

The College has earned a name in academic, curricular, co-curricular and extra-curricular activities. Besides having a big, well established central library Departments of Science have their Departmental Libraries. We have two units of NSS and one unit of Red Cross which confirms commitment of the college towards social services. Likewise college has NCC unit of two platoons having strength of 107. NCC plays a vital role in shaping the personality of the students by teaching time discipline, societal service & self-help. Sports Dept. of the college is very active and always occupies enough space in media on student's achievement. Dr. S.K. Tiwari, Head, Dept of English has been publishing & editing two research journals of repute since 2006.

The College is known for its high academic standards, and the student's bag university ranks on a continuous basis. The college offers 05 UG and 03 PG programmes. The college offers Ph.D programmes in 07 disciplines. Till now 24 students have been pursuing their doctoral studies currently. Out of 74 permanent faculty, 27 are Ph.D. holders. The college has received funds and grants from funding agencies like UGC. The college also partners with MHRD in programmes like Ek Bharat Shrestha Bharat. The College was sanctioned Rs. 2 crore for infrastructure development under RUSA in Chhattisgarh.

The infrastructural facilities include 30 ICT enabled class rooms, 01 seminar halls, 01 video conferencing hall, 18 well equipped laboratories, 03 computer labs, digital library, etc. The college library has 45989 books and 30 journals as of now. The Principal along with the staff with their vast experience and broad vision, support the dynamisms and ambitious plan of Shri Anurag Shukla, Chairman of governing body, to take the institute to great heights.

D.P. Vipra College Bilaspur (C.G.)



VISION AND MISSION

Institutional Vision

Our Institution's motive is "Shraddhavan Labhte Gyanam" and our institute is trying hard to achieve it. The motto of D.P. Vipra College forms the core philosophy of the institution. At the heart of the institution, lies its commitment to education and learning, its ingrained ideology towards individual growth, community building and national development through the spread of knowledge as a lighting beacon on the path evolving to certitude enlightenment.

The vision is the vis major of an institution, the driving force behind its actions and the axis on which its energies are focussed. Envisioned by its founder, to be an institution with a purpose of fostering meaningful education.

Mission

The mission statement of the College, signifying the existence and its road map to the achievement of its vision, read as:

"To achieve and sustain excellence in teaching and research, and enriching local and national communities through our research, the skills of alumni, and the publishing of academic and educational materials"

A detailed description of the mission statement reads as:

- To excel in innovative and quality teaching pedagogy and to provide a holistic learning experience to students.
- To identify, tap, nurture and hone talent of individuals of a diverse base enabling them to realize and maximize their potential, excel in their academic and non-academic pursuits and developing them to be leaders of tomorrow.
- To achieve and promote excellence in publications.
- To develop human resources, infuse quality of leadership and create a competitive pool of scholars.
- To foster outreach, community building and empowerment initiatives at national level.
- To maintain and promote quality, transparency, compliance and sustainability in governance and service delivery.
- To collaborate and work with leading national and international institutions and organizations.
- To ensure outstanding environment-friendly infrastructure and facilities to its users.
- To encourage active participation in sports for complete physical and mental health of students.

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D.P. Vipra College



The installed capacity of each load is given as follows:

Connected Load Breakup					
Lighting Load	16.6				
Fans, Coolers	31.7				
AC Load	33				
Computers, Printer & Photo Copier Load	23.1				
Freeze, LED TV& Projector Load	6.3				
Total	111				

Table 1: Connected Load Break up

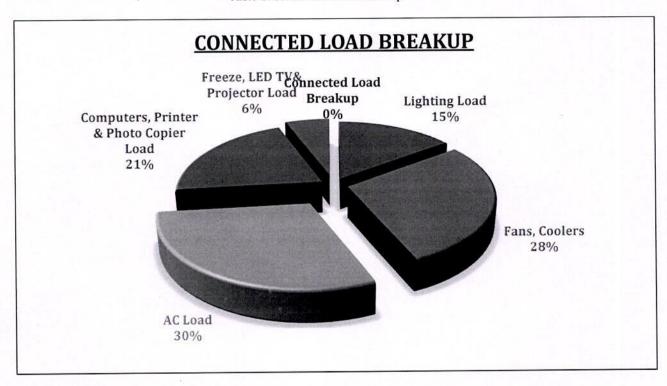


Figure 1: Connected Load Breakup





2.2 Methodology

The methodology adopted for energy audit study is given below:

- Kick off meeting
- Analysis of past performance data
- Measurements of required electrical parameters
- Conduct of efficiency and performance improvement trials (if required)
- Discussion of the findings and recommendations with Electrical Team.
- Detailed techno-economic analysis
- · Report submission

2.3 Instruments used for study

The following Instruments were used during energy audit study:

S. No	Name of the Instrument	Make of the instrument	Details		
1.	Portable power quality analyser	Hioki	Range: 5A-5000Amps Accuracy: Uncertainty in measurement is ±0.77% Voltage & ±0.7% (current), ±0.31% (watts)		
2.	Thermal Imaging camera	Fluke TS10	Temperature Range: -10 to 350 °C (14 to 662 °F)		
4.	RH meter	TESTO	Temperature range: 0°C to 50°C. with 100% RH		
5.	Lux meter	Ten mars (NEDA 1604)	Range:0-2000, 0-20000 & 0-50000 Lux (3 Ranges)		
6.	Digital Pressure Meter	Metravi	Range : 0 to 2.131 PSI		
7.	Anemometer	Lutron (AM 4201)	Range of Velocity: 0-30 m/s		
8.	Ultrasonic flow meter	ADOPT Fluid Dynamics, pune	Range: 0-2500 m ³ /hr Resolution: 0.01m ³ /hr		

Table 2: Instruments used for the study





Climatic condition

The average high temperature and low temperature profile of Bilaspur is given as follows:

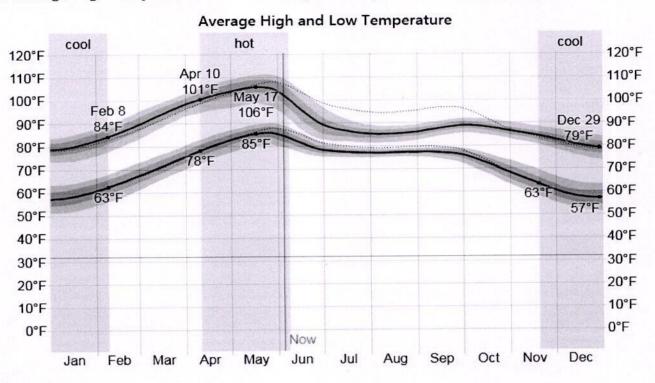


Figure 2: Climatic condition of Bilaspur

The hot season lasts for 1.9 months, from April 10 to June 8, with an average daily high temperature above 101°F (38°C). The hottest day of the year is May 17, with an average high of 106°F (41°C) and low of 85°F (29°C).

The cool season lasts for 2.6 months, from November 19 to February 8, with an average daily high temperature below $84^{\circ}F(29^{\circ}C)$. The coldest day of the year is December 29, with an average low of $57^{\circ}F(14^{\circ}C)$ and high of $79^{\circ}F(26^{\circ}C)$.





2.4 Present Energy Scenario at D. P. Vipra College

2.4.1 Source of Electricity

Electricity is sourced from Chhattisgarh State Power Distribution Company Limited (CSPDCL). The sanction Load of the facility is 60 KVA.

2.5.2 Electricity Board Bill Analysis

Electricity details including bills paid, demand recorded, and consumption is tabulated below.

Electricity bill data of the facility from December 2020 to November 2021 is analysed as per billing month and summarised as follows:

Bill Month	KWH Consumption	KVAH Consumption	Contract Demand (KVA)	Maximum Demand (KVA)	Avg. P.F	Total Bill Amount (Rs.)	Charge Per Unit KWH (Rs.)	Charge Per Unit KVAH (Rs.)
Dec-20	2825	4720	60	15.6	0.60	44,660	15.8	9.5
Jan-21	2755	4820	60	17.8	0.57	45,970	16.7	9.5
Feb-21	2640	5215	60	22.2	0.51	48,930	18.5	9.4
Mar-21	4165	6810	60	29.4	0.61	70,560	16.9	10.4
Apr-21	2455	4660	60	22.2	0.53	43,970	17.9	9.4
May-21	2030	3070	60	12.8	0.66	32,060	15.8	10.4
Jun-21	4830	7360	60	37.6	0.66	75,210	15.6	10.2
Jul-21	5680	8475	60	38.4	0.67	84,820	14.9	10.0
Aug-21	5885	8150	60	41.2	0.72	80,960	13.8	9.9
Sep-21	6170	8760	60	46.6	0.70	93,430	15.1	10.7
Oct-21	5050	7315	60	48.2	0.69	1,08,800	21.5	14.9
Nov-21	3575	6365	60	26.8	0.56	62,560	17.5	9.8
Total	48060	75720				791930		
Average			60	31.2	0.626		16.7	10.3

Table 3 Electricity Board bill analysis

Month wise energy consumption (kWh) and associated bills paid pattern from December 2020 to November 2021 of the facility is shown below





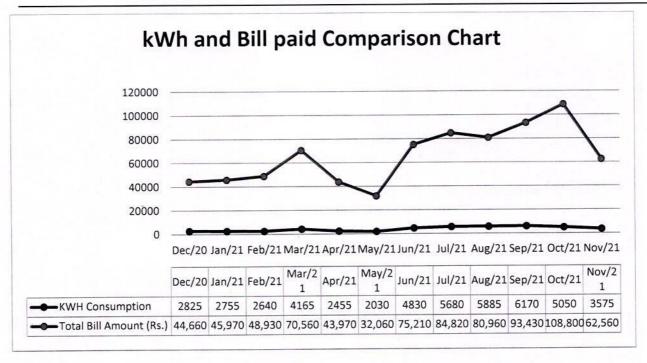


Figure 3: Electrical energy consumption and bill paid pattern (2020-21)

Energy consumption (kWh) was maximum during Sep 2021 and minimum during May 2021. The energy cost paid was maximum during Oct 2021 and minimum during May 2021.

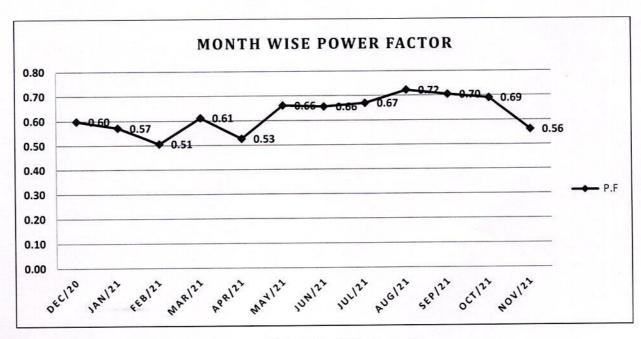


Figure 4: Month Wise Power Factor





Section3: Performance Assessment

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3. Performance Assessment

D. P. Vipra College, Bilaspur has One Energy Meter. The facility has AC's, Fans, lighting and Computers as the major energy consuming utilities.

3.1 Load Analysis

The power logging monitoring has been done for main incomer feeder.

TRF Loading

Sr.no	Parameters	Unit	200KVA TRF				
			Design	Measurement.			
1	Capacity	KVA	200	12			
2	No-Load loss	kW	0.54	0.54			
3	Load Loss (Primary and secondary side)	kW	2.9	0.01			
4	Rated Resistance Value	Ω	0.00004				
5	Voltage (Sec. side)	V	433	427			
6	Current (Sec. side)	Amps	266.6	16			
7	Power	KW		9			
8	Power Factor			0.75			
9	Impedance	%	5				
10	Loading @ operating pf	%		5.82			
11	Efficiency	%		94.07			
12	TRF Loading	%		5.82			
13	Current Ta	p Position		2			

Main Incomer reading

Sr No.							M	easure	d					
	. Panel Name	Voltage (V)		Current(A)				Power	Power					
			RY	YB	BR	Average	% imbalance	RY	YB	BR	Average	% Imbalance	Factor	kW
1	TRF Main Incomer	428	427	426	427.0	0.23	16.3	24.3	6.6	15.7	54.4	0.750	8.7	11.6







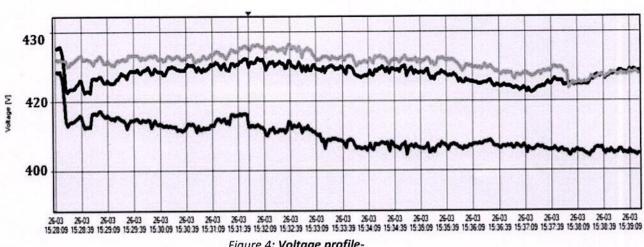


Figure 4: Voltage profile-

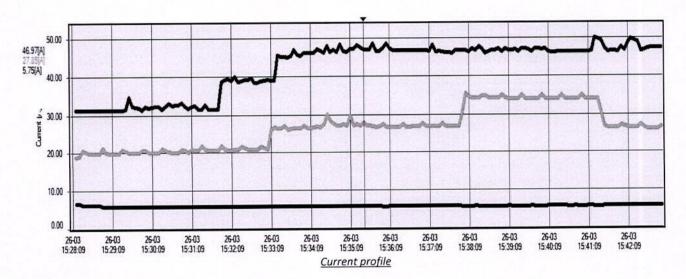


Figure 5: Current profile





3.2 Illumination Survey

. No.	Location / Room No.	Lux	Sl. No.	Location / Room No.	Lux
	SATYAM BUILDING			Ground Floor	
	Ground Floor		1	Chemistry Department	67
1	Chairman Room	388	2	Chemistry Lab (U.G.)	120
2	Principle Room	497	3	Chemistry Lab (P.G.)	149
3	Account Department	221	4	Chemistry Department Staff Room	144
4	Established Room	301	5	Chemistry Lab Research Room	134
5	Salary Room	303	6	History Department	309
6	Prof. Kiran Dubey Room	363	7	Smart Class-01	77
7	Smart Class-3	171	8	Smart Class-02	87
8	Storage Room	80	9	Student Organisation room	246
9	University Branch	123	10	Clerk Room	86
10	Smart Class-4	241	11	Lab Department SUNDRAM BUILDING	00
11	ICT Room & Conference Hall	136	-	Ground Floor	
12	Public Admistrate Room	333	1	Sports Department	78
13	Ground Floor Gali	41	1 2	English Department	302.
	1st Floor	170	3	Commerce Department	92.5
1	Room No.101	170 174	4	Sociology Department	126.
2	Room No.102 Room No.103	168	5	Economics department	121.
3	Room No.103	172	6	Political department	191
4	Room No.104	146	7	NCC Department	130
5	Room No.106	149	8	Hindi Department	117.
7	Room No.106	145	11 0	1st Floor	
/	2nd Floor	143	1	Room No.110&111	149.
1	Botonny Lab-01	139	2	Room No.112&113	139
2	Zoology Lab	160	3	Room No.206	243.
3	Electronics department	170	4	Room No.207	232
4	Managemental Departmental Room	187		PUSHPARAJ BUILDING	
5	Class Room-202	251		Ground Floor	7
6	Class Room-203	166	1	NSS Department	220
7	Mathematics Department	148	2	Gym Department	208
-	SHIVAM BUILDING		3	Godam	167
	2nd Floor		4	Room No.01	410
1	Computer Department office	241	5	Room No.02	350
2	Library-1	140	6	Room No.03	380
3	Computer Lab-01	179	7	Room No.04	254
4	Computer Lab-02	160	8	Room No.05	178
5	Computer Lab-03	108	9	Room No.06	23
6	Staff Room	152	10	Room No.07	21
7	Physics Lab-01	180	11	Room No.08	23
8	Physics Department Staff	163		AUDITORIUM BUILDING	102
9	Physics Class Room	156	1	Conference Room	92.6
10	Physics Lab-02	166.5			
11	Girls Common Room	419.3			
	1st Floor				
1	Department of Microbiology	208			
2	Microbiology Lab-01	49			
3	Geography Department	125		ATTECTED	
4	Microbiology Lab-02(U.G.)	111		ATTESTED	
		190			
5	Room no-109		+	and the same of th	
6	Department of biotechnology	87		382 33001	
7	Biotechnology Class room	121		00 = (1)00)	
8	Biotechnology Lab	120		LIT (1) LIL	
9	Research Room	111		PRINCIPAL	
				AAGIC	
10	1st floor Library	71		D.P. Vipra College	

Bilaspur (C.G.)



3.2 Connected Load

SL No.	Types of Fitting	Capacity (watt)	Qty. (Nos.)	Total Watt (KW)
1	CFL Bulb(9W)	9	117	1.1
2	LED Bulb(12W)	12	42	0.5
3	LED Tube Light(20W)	20	80	1.6
4	T5 Tube Light(36W)	36	358	12.9
5	Smart Class (LED)	200	3	0.6
6	Wall Fan(60W)	60	12	0.7
7	Table Fan(60W)	60	5	0.3
8	Ceiling Fan(70W)	70	303	21.2
9	Exhaust Fan(150W)	150	30	4.5
10	Room Cooler(250W)	250	20	5.0
11	Air Conditioner (1.5 Tonne Split)	1500	8	12.0
12	Air Conditioner (2 Tonne Split)	2000	3	6.0
13	Air Conditioner (1.5 Tonne-Window)	2500	6	15.0
14	Computer(150W)	150	130	19.5
15	Photo copier M/c(1500W)	1500	2	3.0
16	Printer(50W)	50	12	0.6
17	Projector(300W)	300	15	4.5
18	LED TV (100W)	100	3	0.3
19	Freeze(300W)	300	5	1.5
	Total			111

ATTESTED

382 33001



Section 4: Energy Conservation Measures (ECM)





Energy Conservation Measures 4.

ECM 1: Replacement of Existing Light to LED Lights in College Building.

Existing condition

Sr.		Existing Fitti	Existing Fittings (36 Watt FTL & 9 Watt CFL)				Proposed Fittings to be Replaced with LED				
No.	Location	Type of Fitting	Watt	Qty.	Total Watt	Watt	Qty.	Total Watt	Approx. Each Price in Rs.	Amount in Rs.	
1		FTL	36	358	12888	20	358	7160	250	89500	
2	College Building	CFL	9	117	1053	7	117	819	70	8190	
_	Total				13941		7 30 11	7979		97690	

Recommendation

Replacement of remaining Existing Light to LED Lights

Savings Analysis

Energy saving potential

1	Existing Fitting energy consumption	Watt	13941			
2	Proposed Fitting energy consumption	Watt	7979			
3	After replacement energy saving	Watt	5962			
4	Energy Saving in Percentage	%	42.77			
5	Operating hour per day	hours/day	8			
6	Operating days per years	days/Year				
	Energy Saving After Replacement	Watt Hour	47696			
7		kWh/year	11924			
		Lakh kWh/year	0.119			
8	Energy Cost	Rs./kWh	7.00			
9	Saving in Terms of Amount	Lakh Rs. /year	0.835			
10	Estimator Investment of LED Fitting	Lakh Rs.	0.977			
		Year	1.17			
11	Simple Payback Period	Month	14.04			
7		Say Month	14			

PRINCIPAL D.P. Vipra College Bilaspur (C.G.)

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ECM 2: Replacement of Existing Ceiling Fan to Energy Efficient Fan in College Building.

Existing condition

	Location	Existi Fittii	Proposed Fan to be Replaced with Energy Efficient ceiling Fan (1200 mm) 30 Watt						
Sr.No.		Watt	Qty.	Total Watt	Watt	Qty.	Total Watt	Approx. Each Price in Rs.	Amount in Rs.
1	College Building	60	303	18180	30	303	9090	2500	757500
	Total			18180		elië l	9090		757500

Recommendation

Replacement of existing Ceiling Fan to Energy Efficient fan in Old Building

Savings Analysis

1	Existing Fitting energy consumption	Watt	18180
2	Proposed Fitting energy consumption	Watt	9090
3	After replacement energy saving	Watt	9090
4	Energy Saving in Percentage	%	50.00
5	Operating hour per day	hours/day	8
6	Operating days per years	days/Year	280
25.5	-r	Watt Hour	72720
7	Energy Saving After Replacement	kWh/year	20362
		Lakh kWh/year	0.204
8	Energy Cost	Rs./kWh	7.00
9	Saving in Terms of Amount	Lakh Rs. /year	1.425
10	Estimated Investment for Energy Efficient ceiling fan	Lakh Rs.	7.575
		Year	5.31
11	Simple Payback Period	Month	63.78
		Say Month	64

PRINCIPAL COLLEGE P. Vipra Coll. G.)
Bilaspur (C.G.)
Bilaspur (2.G.)

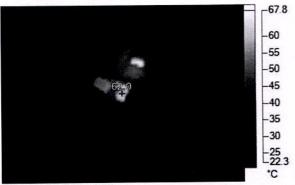


Thermal Images

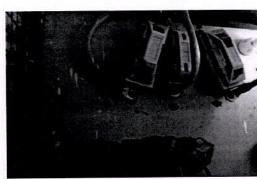


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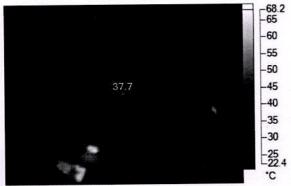




GEM00039.IS2



Visible Light Image



GEM00040.IS2



Visible Light Image



GEM00041.IS2



Visible Light Image





CERTIFICATION

This Part shall indicate certification by Certified Energy Auditor stating that: -

- I. The data collection has been carried out diligently and truthfully.
- II. All data monitoring devices are in good working condition and have been calibrated or certified by approved agencies authorized and no tampering of such device has occurred.
- III. All reasonable professional skill, care and diligence had been taken in preparing the Energy Audit Report and the contents thereof are a true representation of the facts.
- IV. Adequate training provided to personnel involved in daily operation after implementation of recommendation.
- V. The Energy Audit has been carried out in accordance with the Bureau of Energy Efficiency (Manner and intervals of time for the conduct of Energy Audit) Regulation, 2010.

Signature:

Name of the Certified Energy Auditor: Mr. Rahul Agrawal Certification Detail: EA-20984

ATTESTED



Registration Number: D-DURG-159/2016-17 Phone Number: 9752531330, 9098148400 Email-id: greenserve.energy@gmail.com

CERTIFICATE

This is to certify that **D. P. VIPRA COLLEGE BILASPUR** has successfully conducted Green Audit, Environment Audit & Energy Audit of the year 2020.

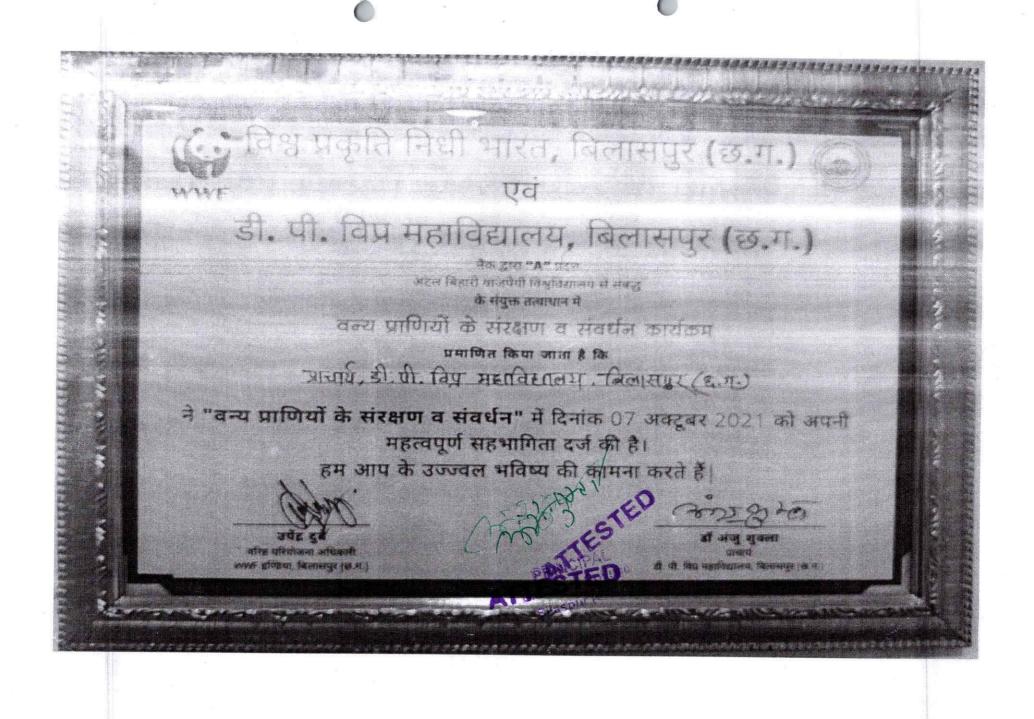
The above certificate is issued in accordance to the work order provided by the **D. P. VIPRA COLLEGE BILASPUR** (CHHATTISGARH).

Place: Durg

Greenserve Energy
'Management Solutions
Durg (C.G.)

Authorized Signatory

Seal





पानिया बला आएम इंडिया

क्षेत्रीय कार्यालय, बिलासपुर छत्तीसगढ़

प्रशस्ति पञ

यूनियन बैंक ऑफ इंडिया द्वारा आज़ादी का अमृत महोत्सव अंतर्गत आयोजित हरियर छत्तीसगढ़ हरियर भारत" वृक्षारोपण कार्यक्रम दिनांक 06/10/2021 को सफल बनाने में विशिष्ट

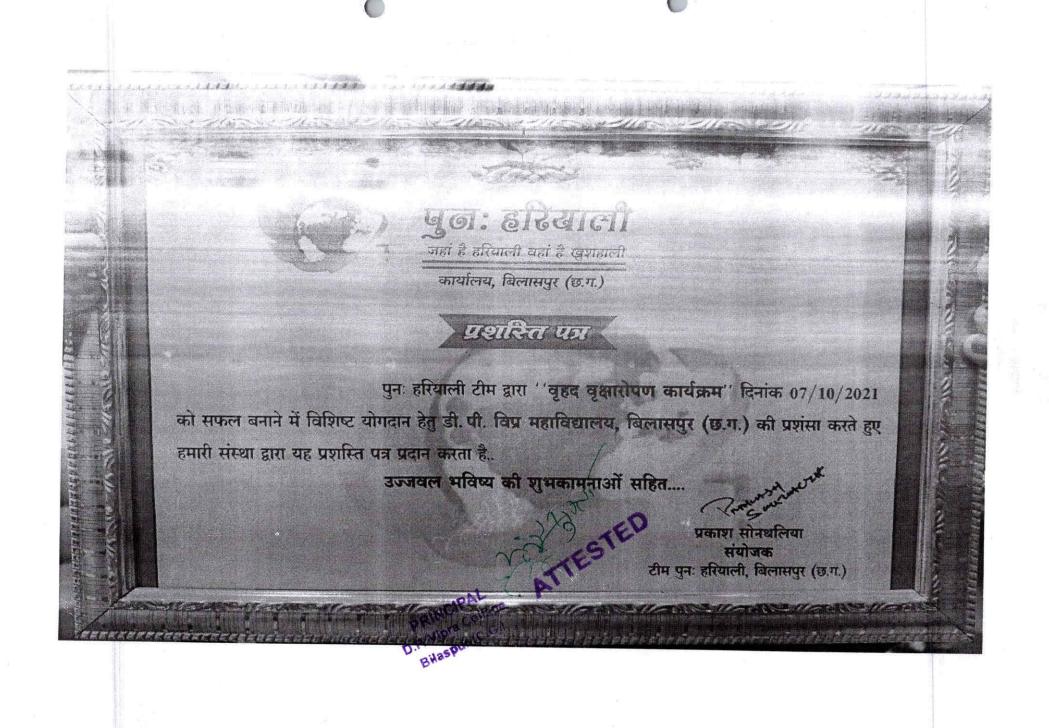
योगदान हेतु डी.पी. विप्र कालेज बिलासपुर (छ.ग.) की प्रशंसा करते हुए

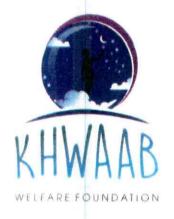
बैंक यह प्रशस्ति पत्र प्रदान करता है

उज्जवल भविष्य की शुभकामनाओं सहित.....

Syc som Day रुपलाल बीना क्षेत्र महाप्रबंधक पुनियन वैक ऑफ इंडिया, भोपास अंवल TESTER TEAL

यूनियन वैक ऑफ इंडिया, क्षे.का.विलासपुर (छ.ग.)





Certificate of Participation NO FOUR PLASTIC



THIS CERTIFICATE IS PROUDLY PRESENTED TO

D. P. Vipra College, Bilaspur (c.a.)

for his/her selfless service to the Cleaning and Awareness campaign, CLEANING CHAPI JALASHAY held on 27-02-2021 on the occasion of WORLD NGO DAY. Your active participation and enthusiasm has been commendable. We are eternally grateful for your contribution and urge you to continually make a difference with your zest.

International Campaign for Environment and Biodiversity Conservation during the period of COVID-19 and after



On the occasion of World Environment Day (05 June), An initiative of

NATIONAL SERVICE SCHEME CELL



ATAL BIHARI VAJPAYEE VISHWAVIDAYALAYA, BILASPUR, CG, INDIA

In collaboration with

NAVEEN GOVERNMENT COLLEGE, NAWAGARH, (DISTRICT- JANJGIR-CHAMPA) CG, INDIA

Certificate of Appreciation

This is to certify that DP Vipra College, Bilaspur has actively participated in International Campaign for Environment and Biodiversity Conservation during the period of COVID-19 and after', solemnly pledged for 'PROTECTION OF MOTHER NATURE' and performed excellentlin Online Awareness Program organized by NSS Cell, Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur (A Public State University of Chhattisgarh State) in collaboration with Naveen Government College, Nawagarh, CG, India.

Date: 8-6-2020

ID:GBWYOA-CE000252

Prof. Ajay Kumar Patel PO, NSS/External Expert Bujatel

Prof. B.K.Patel Principal/Convener

Dr. Manoj K.Sinha Coordinator NSS/Organice

्रिक्टिं हिर्फाट G.D. Sharma ्रोडिंग्डिट Chancellor and Patron



Appendix III

D.P. Vipra College

Old High Court Road, Bilaspur Chhattisgarh, India 495001





2	Name of the Activity	Food For Animal and Birds			
-	The activity is:			Programme	
	Workshop/Training/Programme/Rally				
3	Level: International/National/State/University/District/College		District		
4	Objective: To feed the animal and birds				
_		00.14	1.0000		
5	Date	08 March 2020			
6 7	Venue		ay And Slum Area, Bilaspu		
1	Programme organized by	amme organized by N.S.S. D.P. Vipra College, Bilaspur (C.G.)			
8	Number of Stakeholders participated		Teachers	02	
			Students	10	
				volunteers	
			Others	02	
9	Description: Food and water for the animals Scheme of D.P. Vipra College in	and bi	rds was arranged by the N	National Service	
9		the ra	rds was arranged by the Nilway and Bilaspur Munici	National Servic	

Programme Officer National Service Scheme D.P. Vipra College, Bilaspur (C.G.)





1	Name of the Activity	Canda	of Mala Di			
2	he activity is:					
-		~	/D II /G			
3	Seminar/Workshop/Training/Programme/Rally/Campaign Level: International Alexander (International Alexander) Campaign					
4	Level: International/National/State/University/District/College			College		
-	Objective:					
	The aim of this campaign	is to rea	ffirm commitment towards	building a		
	cicanci and healthler future of cit	ty by pro	omoting "Gandagi mukt Bha	arat		
	Aumyan .					
5	Date	14th to	17th August 2020			
6	Venue		PHC Lingiyadih, Bilaspur (CG		
7	The programme organized by N.S.S. D.P. Vipra College, Bilaspur (C.G.)					
8	Number of Stakeholders participa	ated	Teachers	III (C.G.)		
			Students	27		
			Students	27		
			Others	Volunteers		
9	Description:		Others	10		
	Under the "Gandagi Mukt Bharat Abhiyan" a cleanliness campaign was conducted					
	around the Fric. Challdnin (Lingivadhin) by volunteers of National service schools					
	D.F. vipia College and people were made aware to keep the places clean in their					
10	surrounding.					



Programme Officer
National Service Scheme
D.P. Vipra College, Bilaspur (C.C.





त भारत अभियान का आयोजन

बिलासपुर, अटल बिहारी बाजपेयी सहयोग से सम्पन्न हुआ। इस विश्वविद्यालय से सम्बद्ध डीपी विप्र कार्यक्रम में कार्यक्रम अधिकारी महाविद्यालय राष्ट्रीय सेवा योजना की प्रो.रीना तामुकार, कायक्रम इकाई द्वारा "गन्दगी मुक्त भारत अधिकारी प्रो.यूपेश कुमार, नम्रता कार्यक्रम" प्राथमिक पांडेय, स्वयंसेवक केंद्र, लिगियाडीह में सोनी, आयुषी चलाया गया। कार्यक्रम चिकित्सा टोन्डर अधिकारी डॉ. दीपक सोनी योगदान प्रदान

Programme Officer National Service Scheme

D.P. Vipra College, Bilaspur (C.C.





1	Name of the Activity	Planta	tion Campaign			
2	The activity is:	e activity is :				
	Seminar/Workshop/Training/Pro	gramm	e/Rally/Campaign	Campaign		
3	Level: International/National/St	ernational/National/State/University/District/College				
4	Objective:			College		
	To know the value of environme	ent bene	efits of trees beautification	in and around		
	the college.	,0011	or need, beautification	i iii aiiu aiouiiu		
	the conege.					
5	Date	14 Oc	tober 2020			
5			tober 2020 am Sport Complex Jairam			
_	Date	Shri R	am Sport Complex Jairam	the state of the s		
6	Date Venue	Shri R N.S.S.		the state of the s		
6 7	Date Venue The programme organized by	Shri R N.S.S.	am Sport Complex Jairam D.P. Vipra College, Bilas	pur (C.G.)		
6 7	Date Venue The programme organized by	Shri R N.S.S.	am Sport Complex Jairam D.P. Vipra College, Bilas Teachers	pur (C.G.) 04		
6 7	Date Venue The programme organized by	Shri R N.S.S.	am Sport Complex Jairam D.P. Vipra College, Bilas Teachers	pur (C.G.) 04 20		

National Service Scheme D.P. Program Officer Prof. Reena Tamrakar and Prof. Yupesh Kumar under the leadership of Prof. Rupendra Sharma. Saplings of Mango, Neem, Litchi, Banyan, Peepal, Kadamba, Amla etc. were planted by organizing a massive plantation campaign at Shri Ram Cricket Stadium, Jairamnagar located 23 KM from Bilaspur city. The aim was to protect the environment by making the local residents aware of the protection of these plants.

10



Programme Officer
National Service Scheme
D.P. Vipra College, Bilaspur (C.)





1.	Name of the Activity	World	Environment Day		
2.	The activity is:				
	Seminar/Workshop/Training/Pro	Programme			
3.	Level: International/National/State/University/District/College			College	
4.	Objective:				
	To spread awareness about environment and aware how to S	t threat ave Nat	like pollution level and climure and environment.	nate change	
5.	Date	05 Jun	e 2020		
6.	Venue	Local Residential Area			
7.	The programme organized by	N.S.S. D.P. Vipra College, Bilaspur (C.G.)			
8.	Number of Stakeholders participa		Teachers	47	
			Students	322	
				Volunteers	
				and students	
State Control			Others	30	
9.	Description:				
	Tree plantation programme was organized by National service scheme D. P. Vipr College on the occasion of world Environment Day. Volunteers of National service scheme participated public awareness campaign was carried out on which this was done by the principal of the college Dr. Anju Shukla campaign appreciated.				
10.					



Programme Officer
National Service Scheme
D.P. Vipra College, Bilaspur (0.6)





एनएसएस ने भिट्टी और वनसंघदा की ही जानकारी

पर्यावरण संरक्षण के लिए किया जागरूक



विलासपुर। राष्ट्रीय सेवा योजना डीपी विप्र महाविद्यालय की इकाइयाँ ने रविवार को विश्ववानिको दिवस मनाया। इस

बीच लोगों को देश के विभिन्न पांतों की मिट्टी व वनसंपदा की जानकारी दी गई। साथ हर पर्यावरण संस्कृण के लिए जागरूक भी किया गया।

कार्यक्रम अधिकारी प्रो.रीना

स्वेती को नकार रहे लोन

महाविद्यालय की प्राचार्या हॉ.अज्. शुक्ता का कर ना है कि हम भौतिक मुक्तिपायुक्त जीवन को ब्राप्त कर अबनी भूमि से जुड़ाव को त्यागते जा रहे हैं। राष्ट्रीय सेवा बोजना से जुड़े छात्र ब्रामीण युवाओं को खेती से जोड़ने लगातार प्रयास कर रहे हैं।

बिश्व वानिकी दिवस पर एक नजर

विश्व वनिकी दिवस सर्वप्रथम वर्ष 1971 में मनाया गरा था। संयुक्त राष्ट्र संघ ने 28 नवंबर 2012 में एक संकत्य यत्र वरित किया, इसके अरिय 21 मार्व को प्रतिक्षं विश्व वानिकी दिवस मनाने की घोषणा की गई।

स्खाने के साथ ही मानव की अवस्यकताओं व रुचि को भी फ्लीभूत करने के उद्देश्य से प्रतिदिन की दिनचर्या में प्रयोग की जाने वाली सक्जियों के बीजों को सुखा कर इनको अंकुरित कर पीधे के रूप में तैयार किया जा

तामकार व प्रो.यूपेश कुमार के स्ता है। इस अभियान के अंतर्गव मार्गदर्शन में फर्यावरण को संरक्षित करेला, बैगन, टमहटर, शिमला मिर्च, मिर्ची आहे के पौधे तैयार किए जा रहे हैं। स्थानीय स्तर पर वर-वर तैयार किए जा रहे इन पैधों को बाड़ियों व अधिक मुदा वाली खुली जमीन में रोप कर मोलू उभ्योग के लिए सब्जियों को वितरित किया जाएगा।

Programme Officer National Service Scheme D.P. Vipra College, Bilaspur (C.G.)





1	Name of the Activity	Plant	ation & Plant Distribution	1		
2	The activity is:					
	Seminar/Workshop/Training/Prog	Programme				
3	Level: International/National/State/University/District/College			College		
4	Objective:					
	How to plant tree and save nature and reduce CO ₂ from our environment.					
5	Day & Date	15-June 2020				
6	Venue	Local Residential Area				
7	The programme is organized by	The programme is organized by N.S.S. D.P. Vipra College, Bilaspur (C.G.)				
8	Number of Stakeholders participa		Teachers	09		
			Students	287		
				Volunteers		
				and students		
			Others (please specify)	28		
9	Description: Tree plantation and plant distribution programme was organized by National service scheme D. P. Vipra college volunteers. Tree plantation was done by volunteers around their house and public places and sapling was distributed.					
10						

10



Programme Officer
National Service Scheme
D.P. Vipra College, Bilaspur (C.C.





पेड़ इंसान की ज़रूरत हम सभी को पर्यावरण के लिए पौधरोपण करना चाहिए

विश्वासपुर) जब से टुनिया हुए हुई है, तभी से इसना और बट्टान के बीध रहता दिश्ता का है, पेती से पेट अरने के लिए करन स्मित्या और अनात प्रियतः तर तक्षत्र क तिय कारडा प्रियतः पर के तित्र तक्षक्षे प्रियते। इससे तीयक्टरियते अविसीत्तर भी प्रियत्ते हैं, तिसक त्मका अस्मा त्मक्य व्यापना विभाग वि करने कुँगा कर तम त्यान करने कार्य कार्य कार्य कार्य कार्य कार्य कार्य कर कार्य कार्य कर समित के द्वारा पॉक्ट न्य कार्य कार्य

हमके आण्या अनक फीच एसे हैं, तो एवा-पाट में काम आते हैं, तितमां महाता और सेमान आदि रामान है। बाता पूरात में कृती का मतान बताते हुए बता गया है। तो व्यक्ति एक पीतन, एक जैमा एक बड़, तम फून बाते कैथे का केले वे अनार दे नारने और जंब आम

कर हैंगा और अपमत्मा को है बात है कि जिस देग में, समात में पेड चैंगों को एतने की प्रकार के है, अब जाने देशे में, उन्हों समात में पेड़ कम हो रहे हैं। बाएको दी। के साथ लोगों का प्रकृति में रिश्वा टूटने लगा। बहती अनकारी को टूटन जमाः बहुती आजारी को ज़बरती को पूर्व करने के लिए तुन्हीं को केटट जा उस है। जेतीकान अंगल कुछ ही रहे हैं। देख में वन बंगकान 10.2 इस्मेरट हैं। हो कहा ही कम है। इसमें पर्धावता के सम्पन्न संकट खड़ा हो गया है। पटते चन खंड को खाँचे ज़लत 33.3 प्रीसद के एता पर जाने के जिल्ह अगद से जाता कुछ जायने



लंग अब वंद-पेश्वें की अहींगतर नमा अभ वह पाता का आहमान को समझने तमे हैं। स्तित्वार भी देश पुनेत कार्य में का आहमा नित्रका कर रही है। आह हमी कड़ी में अटल विकास ब्हाताई विकासिक्शानय में सकद होती त्रिय

निय गरम भी गई महर्गकेन्द्र हत किंग गर्दार समाजनेत कार्य की प्रशंस अटल विकास कार्या विश्वविद्यालय गुरोप संख्य चेतन face stone of stone feest महिष्यालय की प्रश्वाप में अंत् तुकारा में विकेश अंतेतकर में सात्रम निकारी में मार्थिक शिवारी एक अविनास रोही श्रीबटर एवं एस

त्यांना वे आक्री कर्म राह्मेंय स्वयं पेतर कार्यक्रम अध्यक्षा प्रोटेसर रोग रामक्रम प्र कर्मकम अधिकारी क्षेत्रमा स्था कृतर क्ष्मारेगण करने की संक्रमाना तो यो। क्षेत्रसन्ते का प्रकारण (त. या) कार्यन्य का प्रणांकरण से राहर करत रहा है। वे कहाँ प्रयोक्तण अस्तेतुक्त का विका जाँगा कार्ने हा यह जिल्का खेली को अपन रहे हैं। वह कृषि व्यक्तियों पर भी सुक्ता व्यक्त है से हैं। रहअसन कृषि वाजिसी को अपन दानामानं कृषि व्यक्तियों को अपना कर कुछ हर तक पार्थावाण राजुलात को क्षेत्रण करणा या सकता है। प्रभाव के साथ पुक्र लागाने को कृषि व्यक्तियों के नाम में जान जाता है। वहंती को मेंहूँ पर कुछ राज्या जाते हैं। इसके अपना वाले को राज्यां पूर्वम, राज्ये पुत्र की वा प्रमाण पूर्वम, राज्ये पुत्र की वा प्रमाण पूर्वम, राज्ये पुत्र की वा प्रमाण पूर्वम, राज्ये पुत्र की वा परी हैं जाई भी जावानी पुत्र कारणाव प्राथावाल को राज्या कार गाय है प्राप्त के को भी को के पति और भी पृथ स्मार गाये हैं। कृषि प्रतिकों के लिए कल दे सकें। जिसमें प्रमुखें

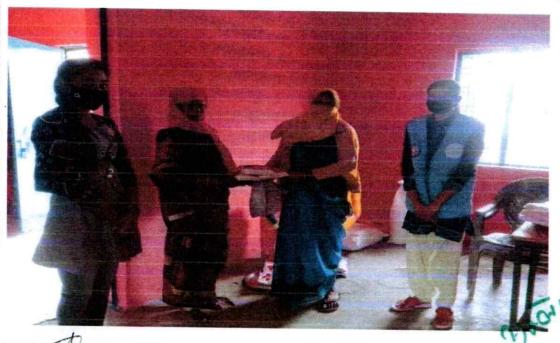
के तरण कर जो क्षेत्र के क्षेत्रक के तिए जाकी कामती थी किए मके 124 कर का भी स्वकात रक्ता कर्मा के क्षेत्र ति के कर्मा क्षेत्र क्षेत्र क्षेत्र कर क्षेत्र कर्मा क्षेत्र क्षेत्र क्षेत्र क्षेत्र क्षेत्र अभी क्षा कर सके क्ष्मूत होताय नेम रहिता तक बंध महान जन्म बटान प्रमणे रहता अनुस खेटाई अरोक रोगल स्लोन और देशे करते आहे ह विभिन्न क्षेत्र के प्राप्त कर्ता कर क्षेत्र कर क्षेत्र कर क्षेत्र के समझाते क्षेत्र कर क्षेत्र के समझाते क्षेत्र के समझाते क्षेत्र के समझाते क्षेत्र कर क्षेत्र कर क्षेत्र क्षेत्र कर क्षेत्र क्षेत्र कर क्षेत्र के क्षेत्र कर क्षत्र कर कर क्षत्र के क्षत्र के क्षत्र के क्षत्र कर कर कर कर कर क्षत्र के क्षत्र क जगन सम्मदित भन रहा है तो कोई अपने जारी को सालीगाद पा पीचा रोग रहा है। उतन से नहीं लोग जगन दिया नहां और जीवनेत के अन्तरित और बार्स्ट प्रा थी ताकि में पूछ बार सके।

Programme Officer National Service Scheme D.P. Vipra College, Bilaspur (C.G





1	Name of the Activity	Social	Work on Hareli Festival		
2	The activity is:	Cocia	TOTA OH HATCH PESHVAL		
	Seminar/Workshop/Training/Prog	ramme	/Rally	Programme	
3	Level: International/National/State/University/District/College			College	
4	Objective: To help needy people & Tree Campaign.				
5	Date	21 Jul	y 2020		
6	Venue		Residential Area		
7	The programme organized by				
8	Number of Stakeholders participat	ted	Teachers	04	
			Students	32	
				Volunteers	
		and students			
			Others	13	
9	Description:				
	On the occasion of Hareli festival, of the SECR Railway zone by the Vipra College.	free foo	od items are distributed to the nteers of National Service	e poor people scheme D.P.	
10					



Programme Officer
National Service Scheme
D.P. Vipra College, Bilaspur (C.R.





सहायता कर मनाया हरेली पर्व

बिलासपुर @ पत्रिका. अटल बिहारी विश्वविद्यालय के डीपी विप्र महाविद्यालय की रासेयो स्वयंसेविका नम्रता पांडेय ने कार्यक्रम अधिकारी प्रो. रीना ताम्रकार, प्रो. यूपेश कुमार के

हरेली पर्व के उपलक्ष्य में मजदूरों के बच्चों को स्वनिर्मित वस्त्रों का वितरण किया। साथ ही उनको साबुन भी प्रदान कर हाथ धोने, व कपड़ों को नियमित धोकर पहनने आदि सम्बन्धी स्वच्छता जागरूकता का प्रचार किया।

Programme Officer National Service Scheme D.P. Vipra College, Bilaspur (C.G.





				POST DE PROPERTOR DE LA CONTRACTOR DE LA	
1	Name of the Activity	World	s Nature Conservation Da	v	
2	The activity is:			Ť T	
	Seminar/Workshop/Training/Pro	Seminar/Workshop/Training/Programme/Rally			
3	Level: International/National/State/University/District/College			Programme College	
4	Objective:			Conege	
	To create awareness about the need to preserve the environment and				
	natural resources in order to keep the world healthy.				
5	Date	28-July 2020			
6	Venue	Local Residential Area			
7	The programme organized by	N.S.S.	D.P. Vipra College, Bilaspu	r(CG)	
8	Number of Stakeholders particip	ated	Teachers	8	
			Students	57	
				Volunteers	
				and students	
			Others	27	
9	Description:				
	On the occasion of World Na	iture Co	inservation Day a huge c	ampaign was	
	organized by the volunteers of	f nationa	al service scheme D. P. V	Vinra College	
	Bilaspur Chhattisgarh to aware	people	about conservation of env	ironment and	
	nature. This occasion is an attem	pt to rec	ognize that a healthy and we	Il-functioning	
10	environment is critical for sustain	ning a st	able & productive human so	ociety.	
10	The second secon				

10



Programme Officer
National Service Scheme
D.P. Vipra College, Bilaspur (C.G.)





1	Name of the Activity	Food I	istribution		
2	The activity is:		Harrison and the second second second		
	Seminar/Workshop/Training/Pro	ogramm	e/Rally/Campaign	Campaign	
3	Level: International/National/S	tate/Uni	versity/District/College	College	
4	Objective:	Contege			
	To avoid single use of plas	stics, sa	ve the nature, to aware ab	out cloth bags	
5	Date	05 November 2020			
6	Venue	Bhakurra Navapara			
7	The programme organized by		D.P. Vipra College, Bila	spur (C.G.).	
8	Number of Stakeholders particip	oated	Teachers	07	
			Students	76	
				Volunteer	
			Others	03	
9	Description:				
	Free ration and food were distr	ibuted b	y NSS Department of D.	P. Vipra colleg	
	to poor and needy families durin	or the ol	abal mandamia COVID 1	0	

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Programme Office

Programme Officer
National Service Scheme
D.P Vipra College, Bilaspur (C.G.)





क्वारेंटाइन सेंटर्स में श्रमिकों को किया भोजन वितरण

लोकस्वर मीडिया नेटवर्क

नर नाम्बना नटनन

बिलासपुर। कोरोना अनलॉक के पश्चात ऐसे सभी लोग जो अपने घरों से दूर थे, वो अपने घरों की ओर लौट रहे हैं और सतर्कता को ध्यान में रखते हुए शासन द्वारा प्रत्येक गांव एवं शहर में विभिन्न कोरोना क्वारंटाइन सेंटर

बनाये गए हैं जहां पर 14 दिन तक रहकर संक्रमण न होने की स्थिति में लोग अपने घर जा रहे हैं। इन सेंटरों में उपयोगी व्यवस्थाओं का कार्यभार भी शासन पर है। साथ ही अनेक संस्थाएं भी

स्वेच्छापूर्वक समाज सेवा के रूप में आगे बढ़कर अपना योगदान दे रही है। अटल बिहारी बाजपेयी विश्वविद्यालय से संबंधित डी. पी.विप्र महाविद्यालय, राष्ट्रीय सेवा योजना इकाई डॉ. एम. एस. तम्बोली, कार्यक्रम अधिकारी प्रो. रीना ताम्रकार एवं कार्यक्रम अधिकारी प्रो.यूपेश कुमार के मार्गदर्शन में कार्य कर रही है। स्वयंसेवक रघुनंदन धुरी द्वारा ग्राम फरहदा में सरपंच रघु पटेल के सहयोग से भोजन का वितरण किया गया। स्वयं सेवक रघुनंदन ने क्वारंटाइन में निवासरत लोगों को समय -समय पर सैनिटाइजर से हाथ धोने, खांसी या छींक आने पर रुमाल या कपड़े से मुंह ढंकने, फेस मास्क का नियमित उपयोग करने और

सामाजिक दूरी का पालन करने संबंधी बातें बातें साथ ही कोरोना के किसी भी लक्षण के पता चलते ही तत्काल चिकित्सकीय परामशं लेने की बातें बता कर जन जागरूकता का प्रसार किया।

इसके साथ ही सरपंच एवं उपसरपंच की सहायता से सेंटर में हैण्डपम्म लगाया गया ताकि उनकी जल संबंधी समस्याएं सुलझ सकें। इस दौरान डॉ. मनोज सिन्हा, डॉ. संजय तिवारी, अनुराग शुक्ला, डॉ. अंजू शुक्ला, डॉ. विमल पटेल, डॉ. मनीप तिवारी, डॉ. विवेक अम्बलकर, अविनाश सेठी, प्रो.विश्वास विकटर आदि ने सराहना की है।

Programme Officer
National Service Scheme
D.P. Vipra College, Bilaspur (C.C.)





1	Name of the Activity	Paper	Packet Distribution		
2	The activity is:				
	Seminar/Workshop/Training/Prog	gramme	e/Rally	Campaign	
3	Level: International/National/State/University/District/College			College	
4	Objective:			Conege	
	To aware about not to use sin	ngle pi	ece of plastic. We should r	not use plastic	
	bags to avoid the wastage of mone	ey.	practice. It e should t	ior use plastic	
5	Date	07 November 2020			
6	Venue	Bilaspur Various Market Area.			
7	The programme organized by	N.S.S. D.P. Vipra College, Bilaspur (C.G.)			
8	Number of Stakeholders participa	ted	Teachers	30	
			Students	190	
				Volunteers	
			Others	21	
9	Description:				
	NSS Unit of D. P.Vipra College	makes	effort in the direction of	environmenta	
	protection by making paper packet	protection by making paper packets by volunteers, with an appeal to minimize the			
	use of plastic, this packet was give	en to ve	getable and fruit vendors f	ree of cost. The	
	volunteers give the message to say	no to	plastic bags as they are nor	-hiodegradahl	

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Programme Officer
National Service Scheme
D.P. Vipra College, Bilaspur (C.G.)





		CHARLES THE REAL PROPERTY.	THE RESIDENCE OF THE PARTY OF T	
1	Name of the Activity	Deep	dan Campaign	
2	The activity is:	Беер	dan Campaign	
	Seminar/Workshop/Training/Pro	oramn	ne/Dally/Commi	
3	Level: International/National/St	oto/Lin	ie/Kally/Campaign	Campaign
4	Objective:	lational/State/University/District/College College		
	Soften ve.			
	The aim of this campaign is respect nature. Instead of burstin	s to cele	brate Diwali in an eco-f	riendly way and
5	Date	g crack	ers, we can light diyas.	
6	Venue		12 November 2020	
7		Railw	ay & Bus stand & Slum	area.
8	The programme organized by	N.S.S.	D.P. Vipra College, Bil	aspur (C.G.)
0	Number of Stakeholders particip	ated	Teachers	04
			Students	112
				Volunteers
			Others	20
9	Description:			20
6	In order to make ecofriendly Div	vali the	handmada "Dissa"	
	unit of D.P. Vipra College, Bilas	enur on	d distribute it	prepared by NSS
	people A diva serves the purpose	spui an	d distribute it among the	e poor and needy
	people. A diya serves the purpos the negativity and creating positive	e or pu	fillying the environment	by getting rid of
10	the negativity and creating positiv	ve vibes	S	

10



4

Programme Officer
National Service Scheme
D.P. Vipra College, Bilaspur (C.E.)



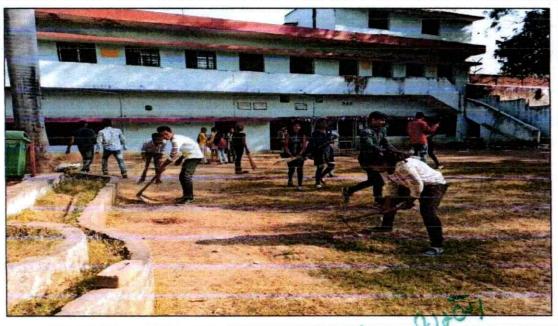


1	Name of the Activity	Clean	ing Week				
2	The activity is:		2				
	Seminar/Workshop/Training/Pro	Seminar/Workshop/Training/Programme/Rally/Campaign Campaign					
3	Level: International/National/St	onal/National/State/University/District/College College					
4	Objective:						
5	The aim of this campaign engaging the community in lead Day & Date	ing an e	ct and care for the environmentally conscious livember 2020				
6	Venue	Shilpa	hri Bilaspur				
7	The programme is organized	N.S.S	D.P. Vipra College, Bilaspu	ır (C.G.)			
	by						
8	Number of Stakeholders particip	ated	Teachers	2			
			Students	159			
				Volunteers			
			Others (please specify)	4			
0	Descriptions						

9 Description:

National Service Scheme of D.P. Vipra college motivated the people around for cleanliness by running cleanliness campaign in various areas under the Swachhta Pakhwada week. The volunteers of NSS, D.P. Vipra College also gives the message to clean nature from plastic waste, for inhabitants. To make the people aware of the waste problem and to stimulate them to take action to keep it clean.

10



Programme Officer
National Service Scheme
D.P. Vin a College, Bilaspur (U.L.)





1	Name of the Activity	P.M. U	jjwala Yojna (PMUY)		
2	The activity is:	-	3		
	Seminar/Workshop/Training/Pro	ogramme	/Rally/Campaign	Campaign	
3	Level: International/National/St	tate/Univ	ersity/District/College	College	
4	Objective:				
	To make aware about PMUY scheme and to provide clean cooking fuel solution to poor households especially in rural areas.				
5	Date	22 November 2020			
6	Venue	Shilpahri Bilaspur			
7	The programme organized by	N.S.S. D.P. Vipra College, Bilaspur (C.G.)			
8	Number of Stakeholders particip		Teachers	04	
	1		Students	47	
				Volunteers	
			Others	04	
9	Description:				
10	In order to keep the environment pollution-free and to conserve fuel, awareness campaign was launched by NSS Department of D.P. Vipra College regarding the availability of LPG gas and stove to women and its safe use under the Pradhan Mantri Ujjwala Yojana.				

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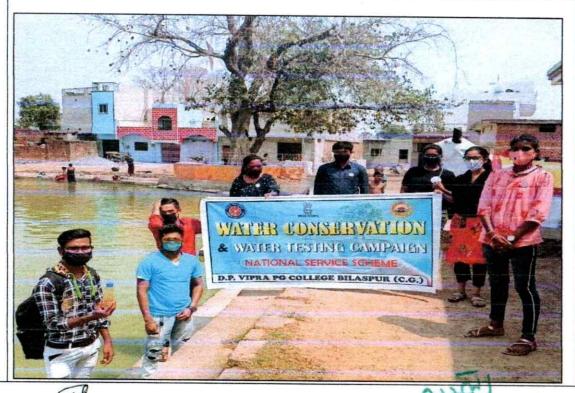
Programme Officer
National Service Scheme
D.P. Vipra College, Bilaspur (C.C.)





1	Name of the Activity	Water	Conservation Campaign		
2	The activity is:	•			
	Seminar/Workshop/Training/Programme/Rally/Campaign Campaign				
3	Level: International/National/State/University/District/College College				
4	Objective:			2011080	
	To aware about natural reso	ource. S	ave water and save its resou	rces.	
5	Date	30 November 2020			
6	Venue	Jonki Village Bilaspur			
7	The programme organized by	N.S.S. D.P. Vipra College, Bilaspur (C.G.)			
8	Number of Stakeholders particip	ated	Teachers	04	
			Students	47	
				Volunteers	
			Others	07	
9	Description:				
N	Villagers were motivated for wat around the pond in village Jo Sanitation Campaign by Nationa	nki unc	ler the Water Conservatio	n and Water	

10



Programme Officer
National Service Scheme
D.P. Vipra College, Bilaspur (C.u.)





1	Name of the Activity	Birds	Fest Kopra			
2	The activity is:					
	Seminar/Workshop/Training/Programme/Rally Programme					
3	Level: International/National/St			District		
4	Objective:	, , , , , , , , , , , , , , , , , , , ,				
5	and Birds.		t migrating Birds and to save	the nature		
			February 2021			
6	Venue		Dam Bilaspur			
7	Programme organized by	Fores	t Department (C.G.)			
8	Number of Stakeholders particip	ated	Teachers	08		
			Students			
	I .		Students	57		
			Students	Volunteers		
			Others	100		
9	Description:			Volunteers		
9	Description:			Volunteers		

10



Department in which the National Service Scheme of D.P. Vipra College actively

Programme Officer
National Service Scheme
D.P Vir College, Bilaspur (C.G.)





1	Name of the Activity	Platfo	rm Construction for Tree	With the fact of the same of t	
2	The activity is:	2 14110	in construction for the	I	
	Seminar/Workshop/Training/Pro	gramme	e/Rally	Programme	
3	Level: International/National/St	ate/Univ	versity/District/College		
4	Objective: College			Conege	
	To protect the tree from soi	erosion	1		
		0.00.01	••		
5	Date	05 March 2021			
6	Venue	Shankar Nagar Bilaspur			
7	Programme organized by	N.S.S. D.P. Vipra College, Bilaspur (C.G.)			
8	Number of Stakeholders particip	ated	Teachers	04	
			Students	55	
				Volunteers	
			Others	05	
9	Description:				
	Labour work was done by the Munder this, the damaged platfo Bilaspur were rebuilt.	National rms of	Service Scheme of D.P. V two old trees located in S	ipra College. hankar nagar	
10					

Programme Officer
National Service Scheme
D.P. Vin College, Bilaspur (C.G.)



10

NATIONAL SERVICE SCHEME D. P. VIPRA COLLEGE, BILASPUR (C.G.)



1	Name of the Activity	Intern	ational Water Day		
2	The activity is:				
	Seminar/Workshop/Training/Prog	gramme	/Rally/ Campaign	Campaign	
3	Level: International/National/Sta	National			
4	Objective:				
	To provide fresh drinking w	ater to e	everyone and to highlight th	e importance	
	of saving water		,	· importance	
5	Date	22 March 2021			
6	Venue	Short Video on Youtube			
7	Programme organized by		ipra College, Bilaspur (C.G)	
8	Number of Stakeholders participa	ated	Teachers	02	
			Students	20	
				Volunteers	
			Others	04	
9	Description:				
	Explaining the importance of wat cleanliness campaign was conducted Scheme of D.P.Vipra College. Al	ted in the	ne reservoirs by the Nationa	l Service	

Water conservation.

WATER CONSERVATION

WATER ESTING CAMPAIGN

NATIONAL SERVES

NATIONAL S

Programme Officer

National Service Scheme

D.P Vin College, Bilaspur (C.G.)



NATIONAL CADET CORPS D. P. VIPRA COLLEGE, BILASPUR (C.G.)



1	Name of the Activity	World Water Day				
2	The activity is : Seminar/Workshop/Training/Program	The activity is: Seminar/Workshop/Training/Programme/Rally				
3	Level: International/National/State/U	Level: International/National/State/University/District/College				
4	Objective: To aware the generation fo of water for life and future by celebrat	hrough conservation				
5	Day & Date	22 nd March 2021, Monday				
6	Venue	Police Ground to River View, Bilaspur				
7	The programme is organized by	7 CG BN NCC & NYK, Bilaspur				
8	Number of Stakeholders participated	Teachers	1			
		Students	89 Cadets			
		Others (please specify)	More than 200 Cadets and other guests.			
9	Outcome: All the Cadets done the Wa Three Kilometers on the Occasion of S.P. City Mr. Umesh Kashyap. Massi importance and conservation of water	World Water Day.Rally was flave message was given to the per	ged off by Add.			
10	N Y S S S S S S S S S S S S S S S S S S	INDIA				
	Vorid Date Ti Venue - Police Groun Organised by - N.C.C. (7 Nehru Yuva	Water Day - 22 March 2021 me - 11.00 am nd to River View, Bilaspur (C. CG Battalion N.C.C.) Kendra, Bilaspur (C.C. Youth Affairs and Sports	G.)			





Lt Ashish Sharma ANC, 7 C.G. Bn. N.C.C. D.P. Vipra College, Bilaspur





1	Name of the Activity	Arpa	Bachao Abhiyan		
2	The activity is:		Daenao Abinyan	1	
	Seminar/Workshop/Training/Progr	amme/	Rally/Campaign	C	
3	Level: International/National/State/University/District/College University				
4	Objective:	Objective:			
	To clean the river Arpa save the na	tural re	sources.		
5	Day & Date	08 De	cember 2018		
6	Venue		River Bilaspur		
7	The programme is organized by	N.S.S.	Atal Bihari Vajpayee Un	ivorcity	
8	Number of Stakeholders participate	ed	Teachers	04	
			Students	25 volunteers	
			Others (please specify)	03	
9	Description:				
	A special campaign was organized by NSS Department of D.P. vipra college in collaboration with Atal Bihari Vajpayee University to clean Arpa River. In this campaign programme officers and NSS volunteers were present.				
10			were present.		



Programme Officer
National Service Scheme
D.P. Vipra College, Bilaspur (C.G.)

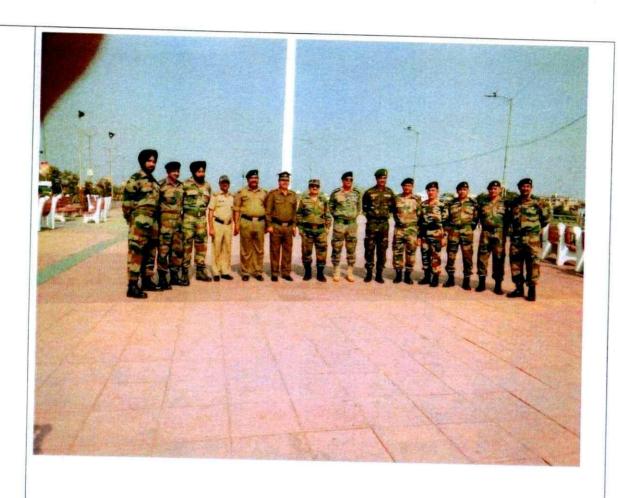
Principal
D.P. Vipra College, Bilaspur (C.G.)
PRINCIPAL
D.P. Vipra College
Bilaspur (C.G.)



NATIONAL CADET CORPS D. P. VIPRA COLLEGE, BILASPUR (C.G.)



1	Name of the Activity	Arpa River Swach	hta Ahhimaa		
2	The activity is: Seminar/Workshop/Training/Progra	Programme			
3	Level: International/National/State/University/District/College				
4	Objective: To spread awareness about the growing levels of pollution in the Arpa R which flows through the city of Bilaspur and to increase general levels of awareness pollution and cleanliness of rivers.				
5	Day & Date	11th June to 13th June, 2019			
6	Venue	Arpa River View Point, Bilaspur			
7	The programme is organized by	7 CG BN NCC			
8	Number of Stakeholders participated	Teachers	01		
		Students	59 Cadets		
) i		Others (please specify)	150 Cadets of other Institutions and 12 Army instructors		
0	Outcome: The NCC cadets conducted river view point of Bilaspur from 6 A schools and colleges and religious orga	cleanliness activities and a clean to 8 AM and other organisations also came together to	anliness drive on the isations like NGOs o contribute.		



Lt Ashish Sharma ANC, 7 C.G. Bn. N.C.C. D.P. Vipra College, Bilaspur





1	Name of the Activity	The		
2	The activity is:	Plant	ation Drive	
	Seminar/Workshop/Training/P	***	m u	Plantation
3	Level: International/National/S			
4	Level: International/National/S Objective:	state/Uni	versity/District/College	College
-	To promote plantation of endan	igered sp	pecies of plants.	
5	Day & Date	16 Ser	2019	
5	Venue	16 Sep. 2019 Pachrighat, Bilapur (C.G.)		
7	The programme is organized	NSS	D.P. Vipro College	
	by	1	D.P. Vipra College, Bilaspu	ur (C.G.)
	Number of Stakeholders particip	pated	Teachers	
		_	Students	03
			ordicitis	15
				volunteers
				and studen
	Description: During the plantation program planted which contributed to the	ime vari	Others (please specify) ous endangered medicinal	plants wer
	Description: During the plantation program planted ,which contributed to the importance programme was heavolunteers	me vari e conser ided by	ous endangered medicinal	plants wer
10	During the plantation program planted which contributed to the	aded by	ous endangered medicinal	plants wer of medicina ontributed b

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Appendix IV

D.P. Vipra College

Old High Court Road, Bilaspur Chhattisgarh, India 495001



D.P. VIPRA COLLEGE

Accredited "A" grade by NAAC, ISO - 9001:2015 Certified Old High Court Road, Bilaspur (C.G.) dpvipracollege@gmail.com, 07752-424497, 8602041180

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GREEN CAMPUS POLICY

Green Campus Policy

- POLICY DOCUMENT FOR PHYSICALLY DISABLED STUDENTS
- POLICY DOCUMENT FOR PLASTIC BAN
- POLICY DOCUMENT OF RESTRICTED ENTRY OF AUTOMOBILES

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