कार्यालय प्राचार्य शासकीय नवीन महाविद्यालय—बोरी,जिला —दुर्ग (छ.ग.) ^{www.govtcollegebori.com} Email-govtcollegebori@gmail.com College Code - 1609

GREEN CAMPUS ENERGY AND ENVIRONMENT POLICY

GREEN CAMPUS: A Green campus is particularly that area in an educational institution that creates a nurture among students a love for the environment and promotes both sustainable and eco-friendly practices in the campus. The constant exploitation of Nature particularly after the industrial era has brought in cataclysmic changes globally, reflections of which are felt in every corner of the world. A green campus shall be a constant reminder to all about the environmental culture that we need to maintain so as to create solutions that are sustainable to the environment.

OBJECTIVE OF THE GREEN CAMPUS COMMITTEE

The objective of the green campus committee is as under:

- 1. To educate the students and other members of society about the alternative sources of energy that are available so that the dependence upon conventional sources of energy can be lessened.
- 2. To nurture in students the importance of "Swachhta" or cleanliness around the campus as well as in the localities where they live.
- 3. To train students about the correct ways of handling different types of wastes and to stress the importance of recycling.
- 4. To frame policies so that budgetary provisions in the future can be earmarked especially in the purchase of energy efficient equipment's and apparatuses.

COMPOSITIONS OF THE GREEN CAMPUS COMMITTEE (ECO CLUB)

- 1. Principal of the College (Chairperson)
- 2. Dr. Smt. Asha Dewan
- 3. Dr. Amarnath Sharma
- 4. Dr. Manjulata Sao
- 5. Smt. Kavita Thakur

ROLE OF THE GREEN CAMPUS COMMITTEE (ECO CLUB)

The Committee shall endeavor to :

- 1. Initiate plans and programs to give functionality to the objective of the committee.
- 2. Organizing activities relating to environment protection, sustainable development, energy conservation and other areas pertaining to our environment for students, faculties and society.
- 3. To phase out the use of conventional lighting like tube lights, bulbs, CFL's and to replace them by LEDs.
- 4. Conduct Annual green environment and energy audit.
- 5. To periodically evaluate the measures undertaken for pollution control, waste management and recycling in the institution as well as in society.

STEPS FOR PROMOTING ENERGY CONSERVATION IN AN OUTSIDE THE INSTITUTION

- 1. Activate power management features on computer and monitors.
- 2. Activate power management features on printers.
- 3. Use of daylight instead of artificial lighting.
- 4. Avoiding decorative lighting
- 5. Use of LEDs
- 6. Switching of lights and other electrical appliances when not in use.
- 7. Use of fans, only when necessary.

MAJOR GREEN CAMPUS INTIATIVES

- 1. Rain water conservation by rain water harvesting.
- 2. Display of posters on waste management.
- 3. Plastic free campus.
- 4. Tree plantation drives.
- 5. Cleanliness drives.
- 6. Use of LEDs

ESTABLISHMENT OF ECOCLUB

- 1. Conduct of green environment and energy audit
- 2. Restricted entry of auto mobiles

CSAV7 Dr Asha Dewan

Nou Govt. Neveen College Bori Dist. Durg (C.G.)



Dt : 28-Oct-2021

To, The Principal Government Naveen College Bori, Chhattisgarh

Subject: Certificate regarding the Environmental and Green Audit of the Campus for 2020-21

Dear Sir,

It is to certify that the Environmental and Green Audit process of your College Campus is completed and report is submitted. The campus found to have good environment and taken proper process to maintain it.

The complete report is provided as attachment for reference.

Thanking you,

mehosl

Dr.Samarendra Mohan Ghosh

Trustee – Sri Aurobindo Yoga and Knowledge Foundation Mobile : 9826268541 www.saykf.org , www.theprogress.in





(Year: 2020-2021)

THE PROGRESS

Society House – Sri Aurobindo Yoga and Knowledge Foundation Near SRT Agro Farm, Gram – Funda, Dist :Durg, Patan Chhattisgarh – 491111

GOVERNMENT NAVEEN COLLEGE

BORI CHATTISGARH



ENVIRONMENTAL – GREEN AUDIT REPORT

(Year: 2019-20)

INDEX

OVERVIEW OF INSTITUTE

Establishment of a new government college in Bori with the faculty of Arts, Commerce and Science from the session 2012-13, is a result of a long-standing demand of the public and the academic world. Keeping in view the public sentiments, student interest and to the fulfilment of need of higher education of about 2700 students studying in the schools of this area and village Bori, this college has been established in 2012. In the year 2016 February, the new building of the college was inaugurated and from the new session 2016-17, the college started operating completely in the new building. Govt. approval to start M. Com In the session 2017-18 and M.A. (Sociology) in session 2018- 19 in college, was a special gift given to the students of this area.

From the very first year of its establishment, the college has recognized its identity in the form of quality education, discipline and unique academic and eco-friendly environment. Students of the area are mostly from the economically weaker section of the society and do not get opportunities to explore and expose themselves. Therefore, along with the regular curriculum, college is also committed for the allround personality development of the students. Apart from studies, high level practical facilities are being made available to the students in the college within limited resources. With these efforts, college is trying to make its own unique identity in the field of higher education for the students of this rural area.

It is an Institute with a difference in its value base system in co-operates ethics and best practices in each & every student & faculty. The Institution promotes value-based education as well as developing a Nature friendly Environmental, clean & Green Campus.

ENVIRONMENTAL AUDIT -QUESTIONARE

The areas of eco/environmental/green auditing to be followed/practiced by participating institutions:

- I. Waste Minimization and Recycling
- II. Greening
- III. EnergyConservation
- IV. WaterConservation
- V. CleanAir
- VI. AnimalWelfare
- VII. EnvironmentalLegislative
- VIII. GeneralPractices

Dose any Environmental Audit conducted earlier?NO

What is the total permanent population of the Institute?

| | Male | Female | Total |
|--|------|--------|-------|
| Students | 241 | 339 | 580 |
| Teachers | 5 | 9 | 14 |
| Non Teaching Staff | 2 | 1 | 03 |
| Sub Total | 248 | 349 | 597 |
| Approximate Number of Visitors (Per day) | | | |
| What is the total number of working days of your campus in a year? | | | 270 |

Where is the campus located?Government college, Bori ,Durg, Chhattisgarh Pin : 491001

Location :

Government college, Bori ,Durg

| Longitude | 81.3038 |
|-----------|---------|
| Latitude | 21.1321 |
| Division | Durg |

Which of the following are available in your institute?

| 1 | Garden area $$ |
|---|----------------------------------|
| 2 | Playground $$ |
| 3 | Kitchen No |
| 4 | Toilets $$ |
| 5 | Garbage Or Waste Store Yard $\ $ |
| 6 | Laboratory $$ |
| 7 | Canteen $$ |
| 8 | Hostel Facility(numbers)No |
| 9 | Guest House No |
| | |
| | |

Which of the following are found near your institute?

| 1 | Municipal dump yard : No |
|---|--|
| 2 | Garbage heap : No |
| 3 | Public convenience : No |
| 4 | Sewer line : No |
| 5 | Stagnant water : No |
| 6 | Open drainage : No |
| 7 | Industry – (Mention the type) : No |
| 8 | Bus / Railway station : No |
| 9 | Market / Shopping complex / Public halls: No |

I - WASTE MINIMIZATION ANDRECYCLING

| waste generated per day? (in Kilograms/month) (approx.) Degradable Biodegradable S 3. How is the waste generated in the institute managed? By 1. Composting 2. Recycling 2. Reusing 4 Others(specify) 4. Do you use recycled paper in institute? 5. Do you use reused paper in institute? Yes 6. How would you spread the message of recycling to others in the community? 1. Place recycling bins in public areas 2. Teaching recycling to students to spread message through them in community? 3. Encouraging staff, students and others to save their documents in soft copies in their mails & hard drives instead of printing their hard copies. 4. Encouraging people to use both sides of paper for printing & also for using small fonts to save paper. 5. Reusing envelopes by sticking new stickers on them 6. By displaying posters that reminds students what can be composted or recycle 7. Can you achieve zero garbage in your Yes. It can be done by: | 1. | Does your institute generate any | Yes | | | |
|---|----|---|---|---------------|----------------|-----------------------------------|
| waste generated per day? (in Kilograms/month) (approx.) Degradable Biodegradable S 3. How is the waste generated in the institute managed? By 1. Composting 2. Recycling 2. Reusing 4 Others(specify) 4. Do you use recycled paper in institute? 5. Do you use reused paper in institute? Yes 6. How would you spread the message of recycling to others in the community? 1. Place recycling bins in public areas 2. Teaching recycling to students to spread message through them in community? Have you taken any initiatives? If yes, please specify. 1. Place recycling bins in public areas 2. Encouraging staff, students and others to save their documents in soft copies in their mails & hard drives instead of printing their hard copies. 4. Encouraging properts to use both sides of paper for printing & also for using small fonts to save paper. 5. Reusing envelopes by sticking new stickers on them 6. By displaying posters that reminds students make paper bags and distributed them to shopkeepers to use them instead of polythene Campaign in which students make paper bags and distributed them to shopkeepers to use them instead of polythene bags in nearby area. 7. Can you achieve zero garbage in your Yes. It can be done by: | | waste?If so, what are they? | Paper, Chemical | | | |
| waste generated per day? (in Kilograms/month) (approx.) Degradable Biodegradable S 3. How is the waste generated in the institute managed? By 1. Composting 2. Recycling 2. Reusing 4 Others(specify) 4. Do you use recycled paper in institute? 5. Do you use reused paper in institute? Yes 6. How would you spread the message of recycling to others in the community? 1. Place recycling bins in public areas 2. Teaching recycling to students to spread message through them in community? Have you taken any initiatives? If yes, please specify. 1. Place recycling bins in public areas 2. Encouraging staff, students and others to save their documents in soft copies in their mails & hard drives instead of printing their hard copies. 4. Encouraging properts to use both sides of paper for printing & also for using small fonts to save paper. 5. Reusing envelopes by sticking new stickers on them 6. By displaying posters that reminds students make paper bags and distributed them to shopkeepers to use them instead of polythene Campaign in which students make paper bags and distributed them to shopkeepers to use them instead of polythene bags in nearby area. 7. Can you achieve zero garbage in your Yes. It can be done by: | | | | | | |
| waste generated per day? (in Degradable Biodegradable Kilograms/month) (approx.) - - 10 new paper per mont 3. How is the waste generated in the institute managed? By 1. Composting 2. Recycling 3. Reusing 2. Reusing 4. Others(specify) 0 - | 2. | What is the approximate amount of | Bio | Non- | | others |
| How is the waste generated in the institute managed? By Composting Recycling Reusing Others(specify) Do you use recycled paper in institute? No 1 Place recycling bins in public areas Teaching recycling to others in the community? Have you taken any initiatives? If yes, please specify. Place specify. Place recycling to others in the community? Have you taken any initiatives? If yes, please specify. Encouraging people to use both sides of printing their hard copies. Encouraging people to use both sides of paper for printing & also for using small fonts to save paper. Reusing envelopes by sticking new stickers on them By displaying posters that reminds students what can be composted or recycle By doing No Polythene Campaign in which students make paper bags and distributed them to shopkeepers to use them instead of polythene bags in nearby area. | | waste generated per day? (in | Degradable | Biodegradable | S | |
| institute managed? By Composting Recycling Reusing Others(specify) Do you use recycled paper in institute? No Do you use recycled paper in institute? Yes How would you spread the message of recycling to others in the community? Have you taken any initiatives? If yes, please specify. Place recycling to students to spread message of printing & also for using small fonts to save their documents in soft copies in their mails & hard drives instead of printing & also for using small fonts to save paper. Reusing envelopes by sticking new stickers on them By displaying posters that reminds students what can be composted or recycle By doing No Polythene Campaign in which students make paper bags and distributed them to shopkeepers to use them instead of polythene bags in nearby area. | | Kilograms/month) (approx.) | - | - | - | 10 news papers per month |
| Composting Recycling Reusing Others(specify) Do you use recycled paper in institute? No Do you use reused paper in institute? How would you spread the message of recycling to others in the community? Have you taken any initiatives? If yes, please specify. Encouraging staff, students and others to save their documents in soft copies in their mails & hard drives instead of printing their hard copies. Encouraging people to use both sides of paper for printing also for using small fonts to save paper. Reusing envelopes by sticking new stickers on them By displaying posters that reminds students what can be composted or recycle By displaying No Polythene Campaign in which students make paper bags and distributed them to shopkeepers to use them instead of polythene bags in nearby area. Can you achieve zero garbage in your Yes. It can be done by: | 3. | How is the waste generated in the | 1. Composti | ng | | |
| 1Composting2Recycling3Reusing4Others(specify)4.Do you use recycled paper in institute?5.Do you use reused paper in institute?6.How would you spread the message of recycling to others in the community? Have you taken any initiatives? If yes, please specify.1.Place recycling bins in public areas 2.2.Teaching recycling to students to spread message through them in community 3.3.Encouraging staff, students and others to save their documents in soft copies in their mails & hard drives instead of printing their hard copies.4.Encouraging people to use both sides of paper for printing & also for using small fonts to save paper.5.Reusing envelopes by sticking new stickers on them 6.6.By displaying posters that reminds students what can be composted or recycle7.Can you achieve zero garbage in yourYes. It can be done by: | | institute managed? By | 2. Reusing | | | |
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| 4 Others(specify) 4 Others(specify) 9 Do you use recycled paper in institute? No 5 Do you use reused paper in institute? Yes 6 How would you spread the message of recycling to others in the community? Have you taken any initiatives? If yes, please specify. 1. Place recycling to students to spread message through them in community 3. Encouraging staff, students and others to save their documents in soft copies in their mails & hard drives instead of printing their hard copies. 4. Encouraging people to use both sides of paper for printing & also for using small fonts to save paper. 5. Reusing envelopes by sticking new stickers on them 6. By displaying posters that reminds students what can be composted or recycle 7. Can you achieve zero garbage in your Yes. It can be done by: | | 2 Recycling | | | | |
| 4. Do you use recycled paper in institute? No 5. Do you use reused paper in institute? Yes 6. How would you spread the message of recycling to others in the community? Have you taken any initiatives? If yes, please specify. 1. Place recycling to students to spread message through them in community 3. Encouraging staff, students and others to save their documents in soft copies in their mails & hard drives instead of printing their hard copies. 4. Encouraging people to use both sides of paper for printing & also for using small fonts to save paper. 5. Reusing envelopes by sticking new stickers on them 6. By displaying posters that reminds students what can be composted or recycle 7. Can you achieve zero garbage in your Yes | | 3 Reusing | | | | |
| 5. Do you use reused paper in institute? Yes 6. How would you spread the message of recycling to others in the community? Have you taken any initiatives? If yes, please specify. 1. Place recycling bins in public areas 2. Teaching recycling to students to spread message through them in community 3. Encouraging staff, students and others to save their documents in soft copies in their mails & hard drives instead of printing their hard copies. 4. Encouraging people to use both sides of paper for printing & also for using small fonts to save paper. 5. Reusing envelopes by sticking new stickers on them 6. By displaying posters that reminds students what can be composted or recycle 7. Can you achieve zero garbage in your Yes. It can be done by: | | | | | | |
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| Feeyening to other's in the community: Have you taken any initiatives? If yes, please specify. 3. Encouraging staff, students and others to save their documents in soft copies in their mails & hard drives instead of printing their hard copies. 4. Encouraging people to use both sides of paper for printing & also for using small fonts to save paper. 5. Reusing envelopes by sticking new stickers on them 6. By displaying posters that reminds students what can be composted or recycle 7. Can you achieve zero garbage in your Yes. It can be done by: | 6. | How would you spread the message of | - | • • | | |
| Have you taken any initiatives? If yes, please specify. 3. Encouraging staff, students and others to save their documents in soft copies in their mails & hard drives instead of printing their hard copies. 4. Encouraging people to use both sides of paper for printing & also for using small fonts to save paper. 5. Reusing envelopes by sticking new stickers on them 6. By displaying posters that reminds students what can be composted or recycle 7. Can you achieve zero garbage in your Yes. It can be done by: | | recycling to others in the community? | | | | |
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| them instead of polythene bags in nearby area. Can you achieve zero garbage in your Yes. It can be done by: | | | | | | |
| area. 7. Can you achieve zero garbage in your Yes. It can be done by: | | | | | | |
| | | | | | | |
| Institute? It ves now / I I racking the source | 7. | | | | | |
| 2. Proper separation and collection of waste | | Institute? If yes, how? | | - | ollection of v | vaste |

| Comp | osting |
|------|--------|
|------|--------|

- 3. Reuse and Repair
- 4. Waste Reduction Initiatives

II – GREENING THECAMPUS

| Is there a garden in your institute? | Yes | | |
|---|---|---|--|
| Do students spend time in the garden? | Yes | | |
| Total number of Plants in Campus | Plant type | | |
| | Trees | 623 | |
| | Ornamental | 10 | |
| Suggest plants for your campus. (Trees, | Trees and herbs. | | |
| vegetables, herbs, etc.) | | | |
| | | | |
| | No | | |
| * | | | |
| ũ | - | | |
| | | | |
| Ŭ | Two (on 15 August & o | during NSS camp) | |
| byCollegeperannum.(IfAny) | | | |
| Number of Trees Diseted in Lost FV | 22 | | |
| | | | |
| | | | |
| Plant Distribution Program for Students and | College presented Plan | nts to Chief Guest/ | |
| community | | | |
| | | nee campi | |
| | | | |
| Plant Ownership Program | Yes | | |
| | 105. | | |
| | | | |
| | Do students spend time in the garden? Total number of Plants in Campus Suggest plants for your campus. (Trees, vegetables, herbs, etc.) Is the university campus have any Horticulture Department Number of Staff working in Horticulture Department NumberofTreePlantationDrivesorganized byCollegeperannum.(IfAny) Number of Trees Planted in Last FY. Survival Rate Plant Distribution Program for Students and Community | YesDo students spend time in the garden?YesTotal number of Plants in CampusPlant typeTreesTreesOrnamentalOrnamentalSuggest plants for your campus. (Trees, vegetables, herbs, etc.)Trees and herbs.Is the university campus have any Horticulture DepartmentNoNumber of Staff working in Horticulture Department-Number of Staff working in Horticulture byCollegeperannum.(IfAny)Two (on 15 August & of College presented Plant College presented Plant | |

III -ENERGY

| 13. | List ten ways that you use energy in your institute. (Electricity, LPG, firewood, others). Using this list, try to think of ways that you could use less energy every day. | • Electricity – LED & CFL are used |
|-----|---|---|
| 14. | Are there any energy saving methods employed in your institute? If yes, please specify. If no, suggest some | 1 switching off the fans and lights when not required. 2 LED & CFL are used instead of tube lights 3 By avoiding artificial lighting on sunny days 3 By using proper insulation to avoid energy loss in the form of heat 4 By unplug computers, printers etc. when not in use 5 By making students aware of power conservation Monitoring by student union and teacherscommittees to make sure that energy conservation methods are being implemented in college campus |
| 15. | How many CFL/LED bulbs has your institute Installed? | 50 |
| 16. | Are any alternative energy sources employed / installed in your institute? (photovoltaic cells for solar energy, windmill, energy efficient stoves, etc.,) Specify. | No |
| 17. | Do you run "switch off" drills at institute? | Yes |
| 18. | Are your computers and other equipment's put on power-saving mode? | Yes |
| 19. | Does your machinery (TV, AC, Computer, weighing balance, printers, etc.) run on standby modes most of the time? If yes, how many hours? | No |

IV - WATERCONSERVATION

| | List four uses of water in your institute How does your institute store water? Are there any water saving techniques followed in your institute? | Plantation Drinking Cleaning Washrooms In overhead tanks Rain water harvesting |
|-----|--|---|
| 22. | If there is water wastage, specify why and How can the wastage be prevented / stopped? | No |
| 23. | Locate the point of entry of water and point of exit of waste water in your institute. Entry- Exit- | Entry-Bore well Exit-water drainage |
| 24. | Write down four ways that could reduce the amount of water used in your institute | Hand Sanitizer Installation Use a broom to clean driveways, sidewalks and steps instead of cleaning them with water Recycling Rooftop Rainwater By educating Students By proper maintenance of pipelines to avoid leakages |
| 25. | Record water use from the institute water meter for six months (record at the same time of each day). At the end of the period, compile a table to show how many liters of water have been used. | College does not have water meter |
| 26. | Does your institute harvest rain water? | Yes |
| 27. | Is there any water recycling System. | No |

V – CLEANAIR

| 28. | Are the Rooms in Campus are Well | Yes | | | | |
|-----|--|--------|-----------------------|--------|----------|-------|
| | Ventilated? | | | | | |
| 29. | Window Floor ratio of the Rooms | 26:1 | 26:1 | | | |
| 30. | What is the ownership of the vehicles | | | | | |
| | | v | Operator | -owned | vehicles | |
| | ✓ only one) | | College-c | wned v | ehicles | |
| | | | A combinand operation | | | |
| 31. | Provide details of College-owned motorized vehicles? | Buses | Cars | Vans | Other | Total |
| | No. of vehicles | Nil | Nil | Nil | Nil | Nil |
| | No. of vehicles more than five years old | Nil | Nil | Nil | Nil | Nil |
| | No. of Air conditioned vehicles | Nil | Nil | Nil | Nil | Nil |
| | PUC done | Nil | Nil | Nil | Nil | Nil |
| 32. | Specify the type of fuel used by your College vehicles: | Buses | Cars | Va | ans | Other |
| | Diesel | Nil | Nil | Nil | | Nil |
| | Petrol | Nil | Nil | Nil | | Nil |
| | CNG | Nil | Nil | Nil | | Nil |
| | LPG | Nil | Nil | Nil | | Nil |
| | Electric | Nil | Nil | Ν | Iil | Nil |
| 33. | Air Quality Monitoring Program (If Any) | No | | | | |
| 34. | Students suffer from respiratory ailments? (If Any) | No | | | | |
| 35. | Details of Genset | Genset | | | | |

VI – ANIMALWELFARE

| 37 | List the animals (wild and domestic) found on the campus (dogs, cats, squirrels, birds, insects, etc.) | Generally in College campus following animals found- 1. Squirrels 2. Cats 3. Birds 4. Insects 5. Owl |
|-----|--|---|
| 36. | How many dogs in your area have undergone Animal Birth Control - Anti Rabies (ABC - AR)? | No we don't have pets |
| 37. | Does your institute have a Biodiversity Programme or a KARUNA CLUB? | No |

VII – ENVIRONMENTAL LEGISLATIVECOMPLIANCE

| 38. | Are you aware of any environmental Laws pertaining to different aspects of environmental management? | The Environment (Protection) Act 1986 |
|-----|--|--|
| 39. | Does your institute have any rules to protect the environment? List possible rules you could include. | Yes, written Institutions given. |
| 40. | Dose Environmental Ambient Air Quality Monitoring conducted by the Institute? | Yes through plantation We have mother tough plant in campus |
| 41. | Dose Environmental Water and Wastewater Quality monitoring conducted by the Institute? | Water Harvesting |
| 42. | Dose stack monitoring of DG sets conducted by the Institute? | No |
| 43. | Is any warning notice, letter issued by state government bodies? | No |
| 44. | Dose any Hazardous waste generated by the Institute? If yes explain its category and disposal method | No |
| 45. | Dose any Bio medical waste generated by the Institute? If yes explain its category and disposal method | No |

VIII -GENERAL

| 46. | Are you aware of any environmental Laws | The Environment (Protection) Act 1986 |
|-----|--|--|
| | pertaining to different aspects of | |
| | environmental management? | |
| 47. | Does your institute have any rules to protect | Yes |
| | the environment? List possible rules you could | Conservation energy Save water |
| | include. | Use eco-friendly products |
| | | Start a compost pile |
| | | Plant vegetables Recycle and reuse |
| | | Use cloth shopping bags |
| 48. | Does housekeeping schedule in your campus? | Yes |
| 49. | Are students and faculties aware of | Yes |
| | environmental cleanliness ways? If Yes Explain | Students are made aware about the environmental cleanliness by |
| | | Poster campaign |
| | | Environmental studies is a subject of their syllabus |
| | | Lectures |
| | | By celebrating environment related |
| 50. | Dose Important Days Like World Environment | important dates Yes |
| | Day, Earth Day, and Ozone Day etc. eminent in | |
| | Campus? | |
| 51 | Dose Institute participated in National and | |
| 51. | Local Environmental Protection Movement? | Yes |
| FO | | Na |
| 52. | Dose Institute has any | No |
| | Recognition/certification for environment | |
| | Friendliness? | |
| 53. | 6 6 | No |
| 54. | Dose Institution conducts a | Yes |
| | Green/environmental audit of its campus? | |
| 55. | Has the institution been audited / accredited | Institution is going through NAAC |
| | by any other agency such as NABL, NABET, | assessment process and submitted IIQA |
| | TQPM, NAAC etc.? | |
| | | |

BEST PRACTICES/INITIATIVES FOR ENVIRONMENT

- Save Electricity
- Use by cycles
- Save water
- Reduce paper waste
- Water conservation
- Water Harvesting
- Institutions to students to value nature
- Plantation
- Awareness programs
- No plastic program
- Eco friendly
- cleanness

RECOMENDATIONS

1. Observations and Recommendations

1.1 **Water Use** This indicator addresses water consumption, water sources, irrigation, storm water, appliances and fixtures. A water audit is an on-site survey and assessment to determine the water use and hence improving the efficiency of its use.

a) **Observations:**

Observed that Tube well are major sources of water in college. Water is used for drinking purpose, toilets and gardening. During the survey, no loss of water is observed, neither by any leakages, nor by over flow of water from overhead tanks. The data collected from all the departments is examined and verified. On an average the total use of water in the college is not measured in L/day, and not cleared how much water consumption is for domestic, gardening purposes and drinking purpose. Rain water harvesting units are also functional for recharging ground water level.

b) Recommendations:

In campus small scale/medium scale/ large scale reuse and recycle of water system should be in sufficient amount. Ensure that all cleaning products used by college staff have a minimal detrimental impact on the environment, i.e. they are biodegradable and non-toxic. Gardens should be watered by using drip/sprinkler irrigation system to minimize water use. Also suggested to measure daily utility of water on an average.

2. Energy Use and Conservation

This indicator addresses energy consumption, energy sources, energy monitoring, lighting, appliance, natural gas and vehicles. Energy use is clearly an important aspect of campus sustainability and thus requires no explanation for its inclusion in the assessment.

a) Observations:

Energy source utilized by the campus is electricity only. Total average energy consumption is determined and mentioned in register month wise along with day wise. The entire campus including common facility centres are equipped with CFL, LED lamps and LED tube lights, except at few locations.

Also, campus administration runs switch-off drill on regular basis.

- b) Recommendations :
- In campus premises electricity should be shut down supply after occupancy time, to prevent power loss due to eddy current.
- Support renewable and carbon-neutral electricity options on any energy purchasing consortium, with the aim of supplying all college properties with electricity that can be attributed to renewable and carbon-neutral sources.
- It is preferable to sign MOU from a company that invests in new sources of renewable and carbon-neutral electricity.
- Installation of LED lamps instead of CFL and replacing the old tube lights with the new LED tubes. 5–star rated Air Conditioners; Fans should be used for saving of energy.
- Cleaning of tube-lights/bulbs to be done periodically, to remove dust over it.
 - 3. Waste Generation This indicator addresses waste production and disposal of different wastes like paper, food, plastic, biodegradable, construction, glass, dust etc. and recycling. Furthermore, solid waste often includes wasted material resources that could otherwise be channeled into better service through recycling, repair, and reuse. Solid waste generation and management is a burning issue. Unscientific handling of solid waste can create threats to everyone. The survey focused on volume, type and current management practice of solid waste generated in the campus.

a) Observations

Waste generation from canteen and tree droppings and lawn management is a major solid waste generated in the campus. Single sided used papers reused for writing and printing in all departments and recently both side printing is carried out as per requirements. The waste generated by newspapers, magazine and of cartons is 10 kg/month. Non biodegradable waste (1/2 KG/month) is generated by the department, office, garden etc. but it is neither categorized at point source nor given any source to minimize it.

Recommendations :

• Reduce the absolute amount of waste that is produced from college staff offices. Make full use of all recycling facilities provided by City Municipality and private suppliers, including glass, cans, white, colored and brown paper, plastic bottles, batteries, print cartridges,

ENVIRONMENTAL – GREEN AUDIT REPORT 2020-21 cardboard and furniture.

- Provide sufficient, accessible and well-publicized collection points for recyclable waste, with responsibility for recycling clearly allocated. Metal waste and wooden waste should stored and send to authorized scrap agents for further processing.
- Important and confidential papers after their validity to be sent for pulping.
- Vermicomposting should be adopted on at least 300 sq. ft. of land.

E-Waste Generation E-waste can be described as consumer and business electronic equipment that is near or at the end of its useful life. This makes up about 5% of all municipal solid waste worldwide but is much more hazardous than other waste because electronic components contain cadmium, lead, mercury, and Polychlorinated biphenyls (PCBs) that can damage human health and the environment.

a) Observations E-waste generated in the campus is very less in quantity. Administration conducts the awareness programmes regarding E-waste Management with the help of various departments. The E-waste and defective item from computer laboratory is being stored properly.

b) Recommendations:

- Recycle or safely dispose of white goods, computers and electrical appliances.
- Use reusable resources and containers and avoid unnecessary packaging where possible.
- Always purchase recycled resources where these are both suitable and available. Suggested to contact approved E-waste management and disposal facility in order to dispose E-waste in scientific manner.

4. Green Area This includes the plants, greenery and sustainability of the campus to ensure that the buildings conform to green standards. This also helps in ensuring that the Environmental Policy is enacted, enforced and reviewed using various environmental awareness programmes.

a) Observations:

Campus is located in the vicinity of many trees (species) to maintain the bio-diversity. 50 saplings were planted in campus premises in last five year and survival rate is 20 not mentioned medicinalplants also not found proper documented plantation record.

c) Recommendations:

• Review periodically the list of trees planted in the garden, allot numbers to the trees and keep

records. Assign scientific names to the trees.

- Promote environmental awareness as a part of course work in various curricular areas, independent research projects, and community service.
- Create awareness of environmental sustainability and take actions to ensure environmental sustainability. Various tree plantation programs should be organize at college campus and surrounding villages through NSS (National Service Scheme) unit. This program helps in encouraging eco-friendly environment which provides pure oxygen within the institute and awareness among villagers.
- The plantation program includes various types of indigenous species of ornamental and medicinal wild plant species.
- Establish a College Environmental Committee that will hold responsibility for the enactment, enforcement and review of the Environmental Policy. The Environmental Committee shall be the source of advice and guidance to staff and students on how to implement this Policy.
- Ensure that an audit is conducted annually and action is taken on the basis of audit report.

Special recommendation and finding-

Celebrate every year 5th June as 'Environment Day' and plant trees on this day by each and every semester as well as yearly mode students in a group to make the campus more Green. Indoor plantation to inculcate interest in students, Bonsai can planted in corridor to bond a relation with nature. Medicinal plant should be co relate with research and for further for farmers benefits through computer science department by software development. There should be significant environmental research by both faculty and students. The environmental awareness initiatives should be substantial. The installation of rain water harvesting system are noteworthy.

Air quality - Air quality should be monitor for healthy life of human as well as plant

a) Observation : No assessment done for that.

b) Recommendation : Collaborate with nearby(5-10 Km) Govt. Institution for monitoring like NIT and collectorate office for comparative monitoring time to time preferred once or twice in a month.

Animal Welfare

Monitoring indicate Need to be protect animal from pain, suffering, injury and disease, Need for a suitable environment, Need for a suitable **diet**, Need to exhibit normal behavior patterns.

a) Observation: Institution has signed MOU with nearby doctor's clinic.

b) Recommendation- Sign MOU with some reputed animal house and contribute monthly /Annually for animal welfare like for their proper diet, suitable environment etc .

General Practice-

This indicators addressing primary caring of institution

a) Observation-

Some lacunas were found as they moving in first audit so that they have not mentioned properly.

b) Recommendation

To prepare a summary report of all general practice and review to improve it and suggested to celebrate environmental day on 5 June.

Conclusion: Institution have done some initiatives and something need to be start, many things they have done out of paper work but not mentioned in report so suggested that and also given some new ideas for each aspects, overall team members were in cooperation with audit team.

AUDIT PARTICIPANTS

On behalf of Institute:

| Name | Position/Department | Signature |
|------|---------------------|-----------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Audit Experts:

| Name | Position | Signature |
|--------------------|---|-----------|
| Dr. Amitabh Sharma | Technical Advisor and Member Sri Aurobindo Yoga and Knowledge Foundation Gram –Funda, Chhattisgarh, India | Jupy |
| Dr. S.M.Ghosh | Director , THE PROGRESS Sri Aurobindo Yoga and Knowledge Foundation Gram –Funda, Chhattisgarh, India | Imphos |

nphos

Dr. S. M. Ghosh Director, THE PROGRESS

dk; kly; i kpk; l शासकीय नवीन महाविद्यालय—बोरी, जिला —दुर्ग (छ.ग.) www.govtcollegebori.com Email-govtcollegebori@gmail.com

ACADEMIC SESSION 2016-2017

REPORT ON ENVIRONMENTAL PROMOTIONAL ACTIVITY CONDUCTED BEYOND THE CAMPUS

The activities conducted under environmental promotion beyond the campus are as under:

- 1. One day awareness camp at Village panchayat Madhiyapar was conducted on 24.10. 2016. The theme of this camp was to highlight the cleanliness drive at a larger level starting from the villages so that its effect could be perceived at a larger level.
- 2. The villagers along with the NSS volunteers took active role in the program.
- 3. A seven days special camp was organized from 28.11.2016 to 04.12.2016 at village panchayat Madhiyapar. The activities undertaken during this camp was Tree plantation, Swachhta Abhiyaan, limiting the use of plastics, conservation of energy, raising awareness amongst villagers on issues of health.

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ACADEMIC SESSION 2017-2018

REPORT ON ENVIRONMENTAL PROMOTIONAL ACTIVITY CONDUCTED BEYOND THE CAMPUS

The activities conducted under environmental promotion beyond the campus are as under:

- 1. One day awareness camp was organized on 12.08.2017 at Village panchayat Tekapar which is about 3 km from our institution. Looking at the rising incidence of dengue the NSS volunteers along with their program officer Dr. Manjulata Sao participated in a massive cleanliness / awareness drive to stress on the importance of proper drainage and other aspects of cleanliness so that the menace of dengue would not spread in the area.
- 2. Volunteers and villagers took a pledge to keep their surroundings clean.
- 3. Initiatives were taken to avoid waterlogging and breeding of mosquitos in waterlogged areas.
- 4. A seven special camp was organized at village panchayat Siltara from 12.12.2017 to 18.12.2017, apart from the usual activities specified for NSS, the NSS volunteers also undertook

environmental promotional activities by taking up : Tree Plantation, Water conservation, Sustainable development, rain water harvesting, maintaining proper drainage and water recycling initiatives . The villagers also participated whole heartedly in these promotional activities .

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ACADEMIC SESSION 2018-2019

REPORT ON ENVIRONMENTAL PROMOTIONAL ACTIVITY CONDUCTED BEYOND THE CAMPUS

The activities conducted under environmental promotion beyond the campus are as under:

- Seven day awareness camp was organized on 17.01.2019 to 23.01.2019 at Village panchayat Madhiyapar which is about 7 km from our institution. Looking at the rising incidence of dengue the NSS volunteers along with their program officer Dr. Manjulata Sao participated in a massive cleanliness / awareness drive to stress on the importance of proper drainage and other aspects of cleanliness so that the menace of dengue would not spread in the area.
- 2. Volunteers and villagers took a pledge to keep their surroundings clean.
- 3. Initiatives were taken to avoid waterlogging and breeding of mosquitos in waterlogged areas.
- 4. A seven special camp was organized at village panchayat Purda from 29.11.2019 to 05.12.2019, apart from the usual activities specified for NSS, the NSS volunteers also undertook

environmental promotional activities by taking up : Tree Plantation, Water conservation, Sustainable development, rain water harvesting, maintaining proper drainage and water recycling initiatives . The villagers also participated whole heartedly in these promotional activities .

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ACADEMIC SESSION 2019-2020

REPORT ON ENVIRONMENTAL PROMOTIONAL ACTIVITY CONDUCTED BEYOND THE CAMPUS

The activities conducted under environmental promotion beyond the campus are as under:

- One day awareness camp was organized on 01.10.2019 at Village panchayat Purda which is about 5 km from our institution. The officer Dr. Manjulata Sao participated in a massive cleanliness / awareness drive to stress on the importance of proper drainage and other aspects of cleanliness.
- 2. Volunteers and villagers took a pledge to keep their conservation of energy.
- 3. Villagers took a pledge on water conservation.

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ACADEMIC SESSION 2020-2021 REPORT ON ENVIRONMENTAL PROMOTIONAL ACTIVITY CONDUCTED BEYOND THE CAMPUS

The activities conducted under environmental promotion beyond the

campus are as under:

- 1. One day awareness camp was organized on 20.01.2021 at Village panchayat Bori which is about 2.5 km from our institution. The officer Dr. Manjulata Sao along with student volunteers participated in a massive awareness campaign with respect to Covid 19. The Villagers were acquainted with the measures to be taken to stop the spread of the pandemic in the villages. They were made aware of :
- 2. Social distancing, use of mask, washing their hands repeatedly with soap and water. Use of sanitizers.
- 3. To contact the nearest primary health center if symptoms like fever, cough and cold, body ache persists. They were advised to get themselves tested .

वेद्यालय रोपी

GOVT. NAVEEN COLLEGE BORI

ENVIRONMENTAL PROMOTIONAL ACTIVITY CONDUCTED BEYOND THE CAMPUS

















