

# Report on Environment Audit by Niche Quality Solutions

## CAREER COLLEGE

Opp. Dushchhara Maidan, Govindpura, BHEL, Bhopal (M.P.)  
E-mail : info@careercollegeindia.com Web: www.careercollegeindia.com

### Environment Audit

**Yogesh Jain, Lead Auditor ISO 14001**

(M.S. – Consultancy Management – BITS Pilani, M. Tech. Futures Studies & Planning-DA University, Indore, B.E. (Mech.), Vikram University, Ujjain)

- Campus location:** Career College is located in BHEL catchment area away from city hustle. Management has provided the college with lush green lawns and plantation. The air is pollution free as there is no significant polluting industry or habitat nearby.

- Heads under which environmentally sensitive resources are used:

S. No.	Source & environmental element	Used at / for	Possible impact on environment of waste water
1	Water from bore well / BHEL mains	a. Drinking (Treated through R.O.)	Nil
		b. Convenience – toilets, hand / face wash	Goes to STP (Sewage Treatment Plant) where soap water with biological tissues from face or cough etc. gets treated
		c. Housekeeping – mopping	Minuscule water quantity which also goes to STP (Sewage Treatment Plant).
		d. Gardening	If pest control chemicals are used heavily – water used for gardening goes to contaminate underground water. Care is therefore taken to use compost made from leaves, canteen bio waste. Vermicompost has been developed in college campus and vermin compost is used for garden
		e. Use in laboratories	Waste water with chemicals and pathogenic microorganisms goes to ETP (Effluent Treatment Plant)
2	Microbiology/Biotechnology/Biochemistry/Pathology and Chemistry Lab	Media	Waste containing various micro-organisms are treated first in the lab by autoclaving and then disposed off in the hospital biomedical waste container from where it is consigned to biomedical waste agency. (Contracted with the hospital).
3	Canteen	Solid Waste	Extra food product, left over, waste paper and foliage are collected and sent to Vermicompost.
		Liquid Waste	Utensils are washed and waste water is sent to STP.
4	Hospital	Solid Waste	a. Refused plastic packing material is collected and sold to recyclers
			b. Metal foils, containers are sold as metal – duly segregated like aluminum, iron and others
			c. Bio-medical waste from dressing, surgeries, etc. are given to authorized agency for disposition
		d. Convenience facilities: as per 1.b.	
Liquid Waste	a. Waste from operation Theatre and Laundry goes to STP (Sewage Treatment Plant) and ETP (Effluent Treatment Plant)		
	b. Liquid Effluent other than OT and laundry goes to STP (Sewage Treatment Plant)		
5	Gardening	Solid waste from tree droppings and lawn like leaves, etc.	Consigned for making Vermicompost – rich and beneficial to environment – as it substitutes chemical fertilizer

*Yogesh Jain*

3. **Practices adopted at Career College:**

- a) **Practice for general waste:** for The waste is segregated at source by providing separate dust bins for Biodegradable (Green) and Plastic waste (Red) - Recyclable.
- b) **Safe Disposition of Laboratory waste:** The laboratory waste including culture plates, media, contaminated samples and chemicals are first sanitized in isolated autoclaves separate from regular preparation autoclaves and disposed off in black polythenes in the hospital waste bins from where it is consigned to biomedical waste agency.
- c) **Waste Recycle:** Sewage treatment plant of 100 KLD based on advanced moving bed bio film reactor (MBBR) Modular Technology and Based on MSFRP is installed in campus. The system is designed to control various parameters such as PH, total dissolved solids, biological oxygen demands, chemical oxygen demand, total suspended solids and oil/grease etc. The system is designed to treat sewage water of College, Hostel, Canteen and Hospital. Recovered water from this STP is used for gardening.
- d) **Waste Reuse:** Waste cloths are sent out for wash and for reuse where possible.
- e) **Use of Renewable Energy:** Solar water heating system is installed in the hostel and hospital. Since 2004 college is using solar water heater which caters to the need of hot water in girl's Hostel and Hospital.
- f) **Rain Water Harvesting System** is installed in College Campus
- g) **E-Waste Disposition:** Have contract with service provider 'Unique Eco Recycle' service provider (MP's first e-waste recycle plant) for electronic equipment maintenance agency to lift used / rejected electronic items like monitors, printing cartridges, mother-boards, etc. Contract specifies that the agency is responsible for disposing the same as per e-waste norms by giving it to authorized e-waste recycler / processor.
- h) **Controlling Electricity Consumption:** College has many electronic items such as computers, instruments etc. College has power-saving features on computers. There is a rule that each electronic item should be unplugged when it is not in use because appliances still draw current, even when switched off. It is instructed to all the faculties and students to switch off the light and fans when not required. College has started replacing conventional lamps and tube lights with energy efficient CFLs / LEDs.

4. **Environmental Awareness Program:**

- As part of social and environmental responsibility, Career Institutions conduct various 'environmental awareness programs' such as seminars, slogan writing competitions, debates, guest lectures and celebration of important days like 'Ozone Layer Preservation Day', World Forest Day' and 'World Environment Day' etc from time to time.

*Yogesh*



- Career College has 'Green Cluster' which is club of students and faculties involved in environmental awareness activities and programmes.
  - Career College lays lot of emphasis on Plantation. Every year Green Cluster carries out plantation in collaboration with CPA (Capital Project Administration).
  - Career College has adopted one park (Joggers Park) situated in Alka Puri Colony of Bhopal which is developed and maintained by faculty members and students.
  - Cleanliness campaigns are organized at regular intervals.
  - College has developed one nursery of plants which is maintained by 'Green Cluster'. Instead of flours the saplings which are developed in nursery are given to guests, academicians, eminent, subject experts and also to alumni who visited the College during alumni meet.
  - In the University Curriculum, EVS is a compulsory subject for all second year students in all streams.
- a) Air Pollution- its causes, effects & installation of various devices that reduces the air pollution.
  - b) Water Pollution- its causes, effects & various methods to prevent it
  - c) Sound Pollution- its causes, effects & installed equipments that reduces it.
  - d) Noise Pollution- its effects on surroundings.
  - e) Environment Laws

5. **Conclusion:** I- Certified Lead Auditor for ISO 14001:2015 and also having a subject of Environment Impact Assessment in my M.Tech. Studies - have conducted Green Audit of Career College. I have found that college is meeting its environmental obligation in its limited operations which may affect environment in any adverse way and is promoting environment through awareness, plantation and up-keeping it.



**Yogesh Jain**

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**15.03.2021**

## Certificate of the Award Received

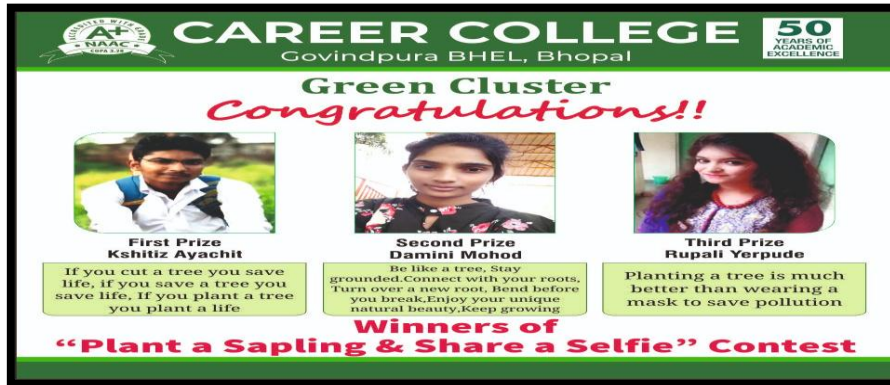




## Any Other Relevant Information

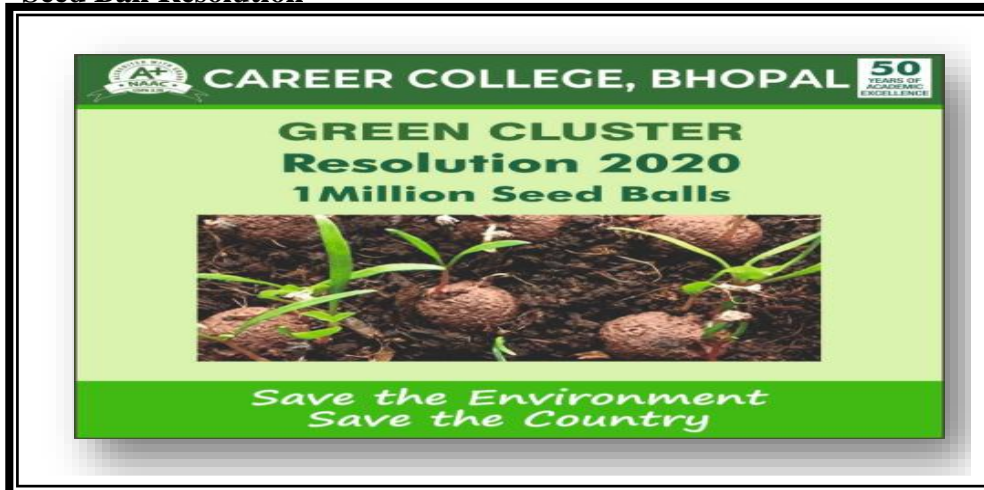
### 1) Competition on Plant a Sapling and Share a Selfie (Plantation Week))

Insert Picture



Winners of Plant a Sapling and Share a Selfie Competition (10-15/08/20)

### 2) Seed Ball Resolution



Seed Ball Resolution 31/08/20

### 3) Distribution of Seed Balls to Students



Distribution of Seed Balls to Students 16/09/20

#### 4) Plantation Programme At college Campus



#### 5) Plantation Programme in Collaboration with NCC & NSS





## 6) Plantation Programme in Collaboration with CPA



## 7) Webinar on Introduction to Carbon Markets

**A+**  
Grade by  
NAAC

**CAREER COLLEGE  
BHOPAL**

**50**  
YEARS OF  
ACADEMIC  
EXCELLENCE

**EnKing**  
INTERNATIONAL  
World's Largest Carbon Credit Developer & Supplier

**WEBINAR**  
on  
**Introduction to  
Carbon Markets**

**Thursday**  
**26<sup>th</sup> November 2020**  
**12:00 noon**

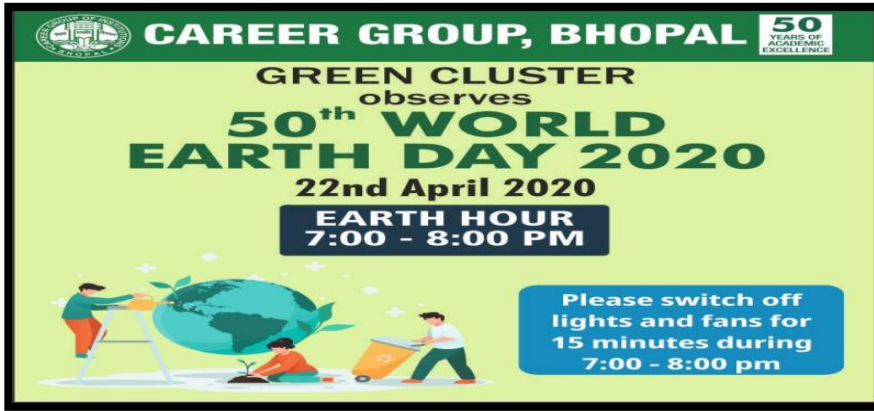
Online Registration link -  
[https://us02web.zoom.us/webinar/register/WN\\_FXrK7k\\_hRP22r7ERBYmx5g](https://us02web.zoom.us/webinar/register/WN_FXrK7k_hRP22r7ERBYmx5g)

**Mr. Pawan Kumar Kundi**  
Senior Manager  
Sales - Climate Change  
Enking International

**Webinar on Introduction to Carbon Markets by Mr. Pawan Kumar Kundi**  
26 /11/20



8) Celebration of 50 th World Earth Day 2020



Celebration of 50<sup>th</sup> World Earth Day (22/04/21)

9) Youth Festival on Clean India Green India in collaboration with Nehru Yuva Kendra at Water Land Management Institute (WALMI) Bhopal



Youth Festival on Clean India Green India 03/03/21

10) National Webinar on Ecosystem Restoration was organized on the occasion of World Environment Day.



The banner is green and white. At the top left is the NAAC A+ logo. Next to it is 'CAREER COLLEGE' and 'Govindpura, BHEL, Bhopal (M.P.) India'. At the top right is a '50 YEARS OF ACADEMIC EXCELLENCE' logo. The center features 'WORLD ENVIRONMENT DAY 5<sup>th</sup> June' and a globe with trees. Below that, 'GREEN CLUSTER organises National Webinar on Ecosystem Restoration'. On the left is a photo of Dr. Aniruddha Majumder, Scientist at State Forest Research Institute, Jabalpur (M.P.). At the bottom right, it says '5<sup>th</sup> June 2021 10.00 am sharp' with a calendar icon.

**National Webinar on Ecosystem Restoration 5 June 21**