



To,

17/02/2021

Prof. Dr. Anand Nighojkar  
Principal  
Maharaja Ranjit Singh College of Professional Sciences  
Indore

Greetings!

Dear Sir,

With reference to the consultation requirement of the Institute for Green Audit of the campus as discussed during the Pre-Green Audit Meeting held on 17<sup>th</sup> Feb.'21. I hereby am sharing the detailed proposal for the services offered by Cipher Environmental Solutions LLP. We would be providing the services under the following heads:

- Waste Management
- Water Consumption & Waste Water Management
- Energy Consumption
- Biodiversity (Flora & Fauna)
- Environmental Foot Print Calculation
- Capacity Building-Staff & Students for Green Audit and for creating awareness and behavioural change
- Training on sustainability compliance with respect to environmental practice
- Suggestions on best practices
- Guidance on the conservation of resources, reducing the environmental footprint

The Green Audit would be conducted in three phases:

1. Pre-Audit Planning and Scoping
2. Onsite-Monitoring and implementation
3. Post Audit Analysis and Reporting and prepare an action plan

The total consultation charges for Green Audit including the above-mentioned services are Rs. 28,000/-

Assuring the best services and quality.

Looking forward to a positive response and awaiting to start with the project at the earliest.

Thanks, and Regards

**Dr. Ketna Atul Matkar**  
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Cipher Environmental Solutions LLP  
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[cipherenvironmentalsolutions@gmail.com](mailto:cipherenvironmentalsolutions@gmail.com)  
Ph. +91 07738589555

For Cipher Environmental Solutions LLP

*Ketna*  
Designated Partner





Empowering Education  
Since 1994

# Maharaja Ranjit Singh College of Professional Science, Indore

Hemkunt Campus, Near IET-DAVV, Khandwa Road, Indore (M.P.)-452 001 INDIA

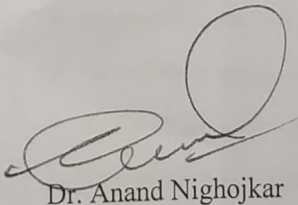
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Approved by Govt. of M.P. and AICTE Delhi and Affiliated to DAVV Indore & RGPV Bhopal, UGC Recognized in 2(f)

9-2-21

To  
Dr. Ketna Atul Matkar  
Founder  
Cipher Environmental Solutions LLP  
Thane (W)  
Mumbai  
Maharashtra  
INDIA

Greetings for the Day

We are an educational institute engaged in imparting value added education to the youth of the country. We wish to inculcate the sense of awareness among students towards our Mother Nature and environment. Your work as an Environmentalist speaks volumes about your expertise. We invite you to visit our campus for Green Audit and provide guidance for waste management disposal in various categories such as Solid waste management, Liquid waste management, Biomedical waste management, E-waste management, Waste recycling system and Hazardous chemicals waste management on 17<sup>th</sup> of February 2021.



Dr. Anand Nighojkar

Principal

MRSC





# Maharaja Ranjit Singh College of Professional Sciences, Indore, M. P., INDIA

(Affiliated to DAVV, Indore and RGPV, Bhopal; website: www.mrscindore.org)



## Report on Pre Green Audit Meeting on 17-2-2021

A meeting on Pre Green Audit was held on 17-2-2021 for planning and assessing the practices carried out in the college campus for maximal utilization of resources and minimum generation of any type of waste. Dr. Ketna Matkar is an Environment Consultant & Advisor; she is the Founder & Managing Director of Cipher Environmental Solutions LLP. She was invited in the campus for consultation on waste management and environmental conservation. Principal, Environment Consultant and following faculty members were present in the meeting:-

- |                         |  |  |
|-------------------------|--|--|
| ▪ Prof. Anand Nighojkar | Principal                                      |  |
| ▪ Dr. Ketna Matkar      | Environment Consultant & Advisor               |  |
| ▪ Prof. Dipak Sharma    | Head, Department of Chemical Sciences          |  |
| ▪ Prof. Sheetal Bhasin  | Head, Department of Biosciences                |  |
| ▪ Prof. Mahima Jain     | Head, Department of Physics                    |  |
| ▪ Prof. Mukesh Patidar  | Assistant Professor, Department of Biosciences |  |
| ▪ Prof. Vinod Yadav     | Assistant Professor, Department of Physics     |  |

A thorough discussion was done on the steps been already taken for environment conservation in the campus:-

- Segregation of dry and wet wastes is done and is handed over to municipal waste collection vehicle.
- Reducing the use of paper by using the back side of printed papers.
- Some of the old bulbs are replaced with LED bulbs to reduce electricity consumption.
- Recycling of water discharged from distillation assembly.
- Reuse of drinking water cooler waste water for washing and cleaning purpose.
- Rain water is harvested in tanks at different location in the campus.
- Biosciences laboratory media discarded after autoclaving by land filling
- Laboratory plastic ware is reused wherever possible for some or the other purpose.
- Various steps are already been taken for recycling the resources, this can be further enhanced by quantifying them and producing statistical data.





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Dr. Ketna Matkar proposed insightful measures which can be taken up for better use of resources. Planning for Green Audit was also proposed in the meeting.

- Try to recycle 100% of generated waste.
- Sorting of waste at source, segregation and management of solid waste with the help of municipal corporation.
- Management of biodegradable waste by composting.
- Replace the plastic with paper materials in canteen.
- Onsite primary treatment of sewage water and checking the quality before using for watering plants and fields.
- Rain water harvesting and recharging ground water well.
- Management of Construction and Demolition (C&D) waste.
- Inputs on reduction of plastic material in laboratories by replacing it with reusable glassware.
- Awareness on carbon footprint calculation.
- Collection of e-waste from all the students and teachers and handing over to Scrape vendor.
- Replacing of more old bulbs with LED bulbs to reduce electricity consumption.
- Plant specific type of trees which capture dust and reduce greenhouse gas emission.
- Place activated charcoal in laboratory drainage system to reduce the discharge of chemicals in community sewage.
- Keep an account of flora and fauna of the campus and name the trees.
- Quantification of discharged water from distillation assembly which is used for other purposes.
- Quantification of drinking water cooler waste water which is used for washing and cleaning purpose.
- Implementation of CSIR guidelines for reuse of R O Unit waste and Distillation water waste.
- We can contact UNICEF for getting the sanitary pad incinerator planted.
- The motor vehicles especially the college buses should be maintained regularly and the air pressure in tyres are set at optimum which increases the efficiency of the vehicle and reduced the fuel consumption.
- Planning and taking up of action plans towards Sustainable Development Goals.





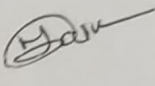
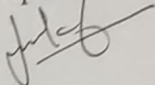
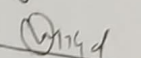


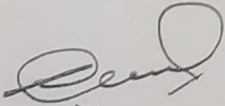
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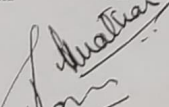


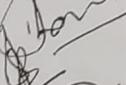
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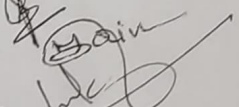
A Green Audit Committee was formed which will take care of all the above action plans:-

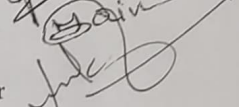
- Prof. Anand Nighojkar Principal 
- Prof. Dipak Sharma Head, Department of Chemical Sciences 
- Prof. Mahima Jain Coordinator, NAAC Criteria 7 & Head, Department of Physics 
- Prof. Mukesh Patidar Member, NAAC Criteria 7 Committee 
- Prof. Vinod Yadav Member, NAAC Criteria 7 Committee 

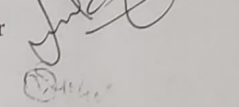
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