



M.C.E. Society's

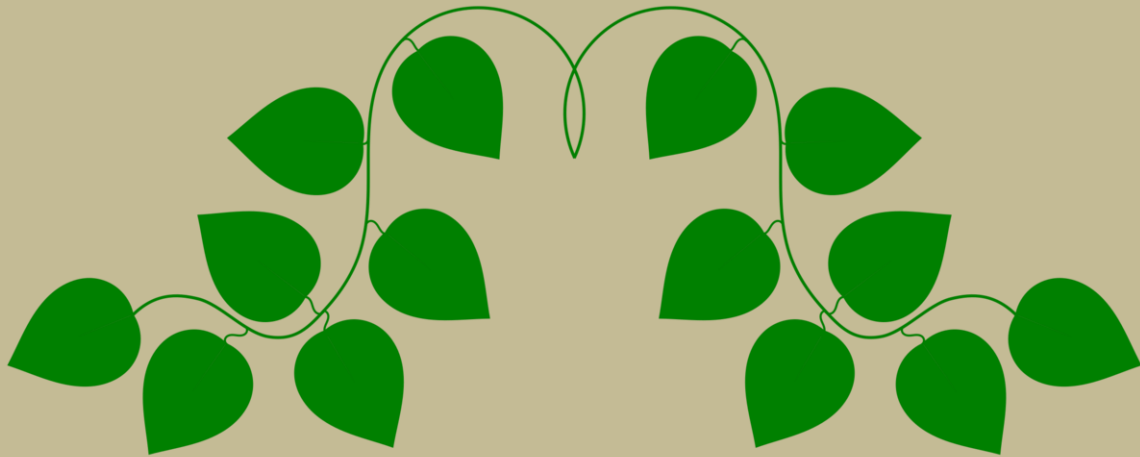
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Environment and Energy Conservation Policy Document



SAVE YOUR NATURE

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Introduction

The Environment and Energy Conservation policy of M.A.Rangoonwala Institute of Hotel Management and Research is to conserve energy in such a systematic way so as to minimize its impact on the environment. The policy implies to explore the renewable energy resources to reduce the burden of the government and to find out substitute natural resources as solutions to the energy crisis. All the stakeholders of the college are abide to this environment and energy conservation policy document and the various activities undertaken related to it.

Objectives:

- To reduce local air pollution emissions using environment-friendly vehicles, including bicycles, public transportation and use of pedestrian-friendly roads.
- To install solar panels for the generation of alternate energy.
- To install LED lights in the college to save energy.
- To develop systematic waste management mechanism.
- To develop rain water harvesting system.
- To undertake tree plantation drive.
- To take additional measures to improve our energy consumption.
- To ensure that the necessary resources are available to achieve our objectives.
- To encourage use of advanced technology to minimize energy consumption, atmospheric emissions and noise, particularly from our vehicle fleets.
- To monitor and respond to emerging environmental and energy issues. To strengthen our employees' and students' environmental knowledge and skills in order to improve our own environmental performance.
- To provide information and training on energy saving measures.
- To offer opportunities for employees and students to engage in initiatives those contribute to environmental protection.
- To train our employees and students through our Enviro Club to make them 'Go Green Specialists' and partners to plant trees each year. This policy will be communicated to the students and employees via internal communication channels, and will be made available to all the stakeholders on the institutional website. The Environment and Energy Policy, objectives and targets will be reviewed on a regular basis by the Enviro Club Convener and its members under the guidance of the Principal of the college.

Measures Implemented in Campus:

- **Solar Panels:** Solar panels are installed on the roof top of the college. It is connected to the grid of MSEB.
- **Waste Management System:**
 - **Solid waste management:** For segregation of waste, green and red bins are kept everywhere. Canteens use degradable and washable plates. “Sani bins” are kept in ladies washrooms. Campus has a Vermicomposting pit. Plant litter is separately composted. Best Practices for Reduce, Recycle, and Reuse are strictly followed for miscellaneous waste like paper, bottles, wood, etc. Throwing the waste anywhere is strictly banned & dust bins are provided throughout the campus. Use of plastic bags is discouraged within the premises of the college. Waste papers are shredded and sent for recycling. The solid waste like broken furniture is sent to maintenance department of the campus where they repair it. The solid waste from all the colleges in the campus is collected by the campus utility employees and handed over to the Pune Municipal Corporation Garbage Collection Vehicle.
 - **Biogas plant:** The college has installed the biogas digester for the food waste management that provide methane gas which is utilized by the bakery laboratory. The food waste collected from various kitchen laboratories is taken and segregated as raw food and processed food. Then the waste is pulverized to fine particles and put into digester. The gas produced from the digester is used by the bakery laboratory for cooking the food. Every day the 250 gms-300gms of gas is generated from digester which is same as the quantity used by single family to cook the food by Liquid Petroleum Gas.
 - **Liquid waste management:** Well-constructed drainage systems leading to corporation drainage line. The drainage lines are cleaned regularly to avoid choke-up and stagnation of water.
 - **E Waste Management:** Electronic waste such as laptop & computer batteries, keyboard, mother board, etc. is handed over to IT department of the campus for further processing. The IT department identifies the vendor to collect E-waste from the campus.
 - **Waste recycling system:** The waste is segregated at the college which is then collected by the cleaning staff of the campus for further segregation if required. The biodegradable waste is then sent to composting pits and non-biodegradable waste is collected by the Pune.
- **Rain Water Harvesting System:** Rain water harvesting system is installed in the college and directed towards ground through proper channel.
- **LED Lighting:** All the lighting in the college is replaced with LED tubes which helps to save the electricity.

- **Additional Measures:**

- The construction of the building is done in such a way that the optimum light will be received from direct source i.e. Sun.
- Staff and students of the college are advised to switch off the light and other electrical equipment when not in use.
- Maintenance of electrical fixtures and equipment is done on periodic basis to avoid extra consumption of electricity.
- Maintenance of water taps and pipes is done on regular basis to avoid wastage of water.
- College Encourages students and staff for use of Public Transport or bicycles to reduce the pollution.

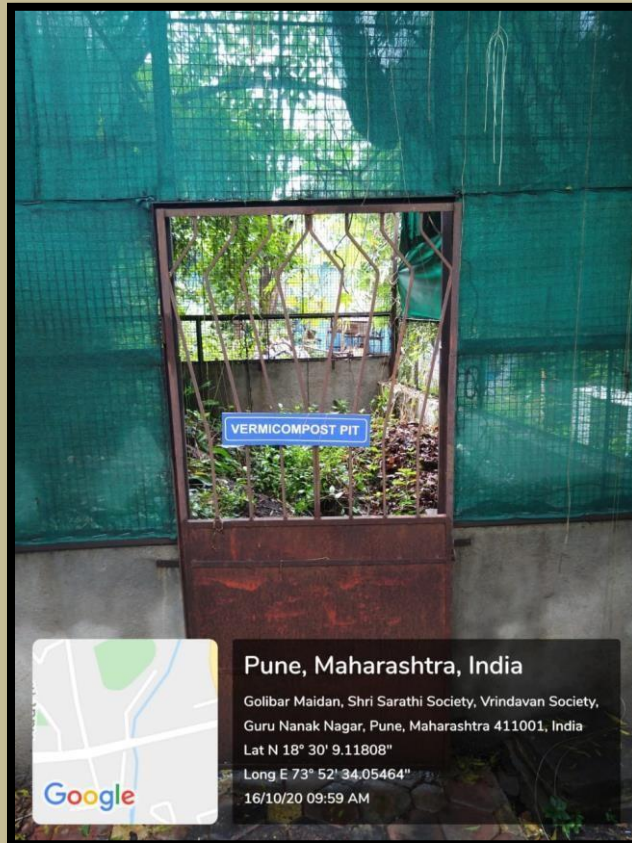
Geotagged Photographs



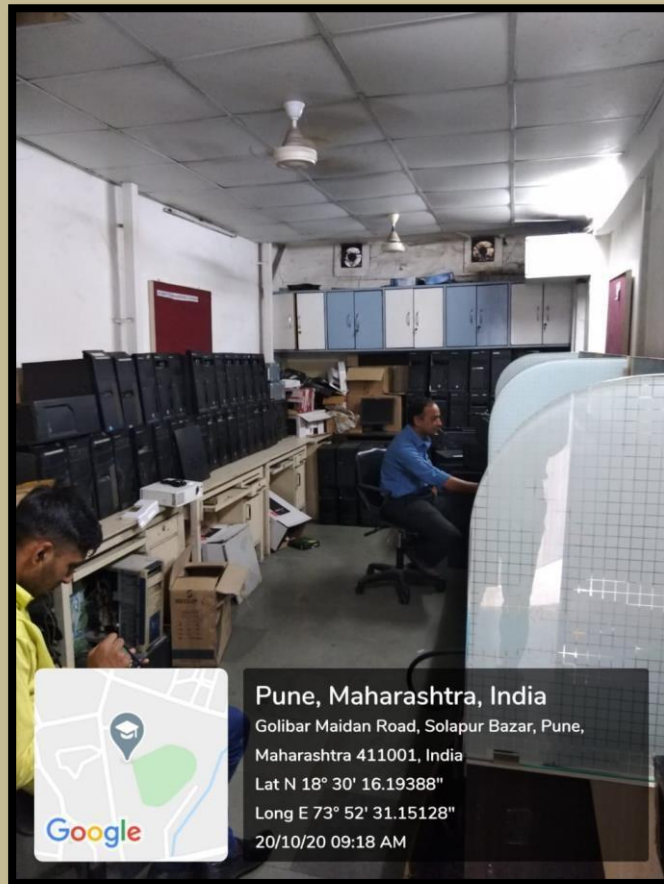
Solar Panels on Roof of the college



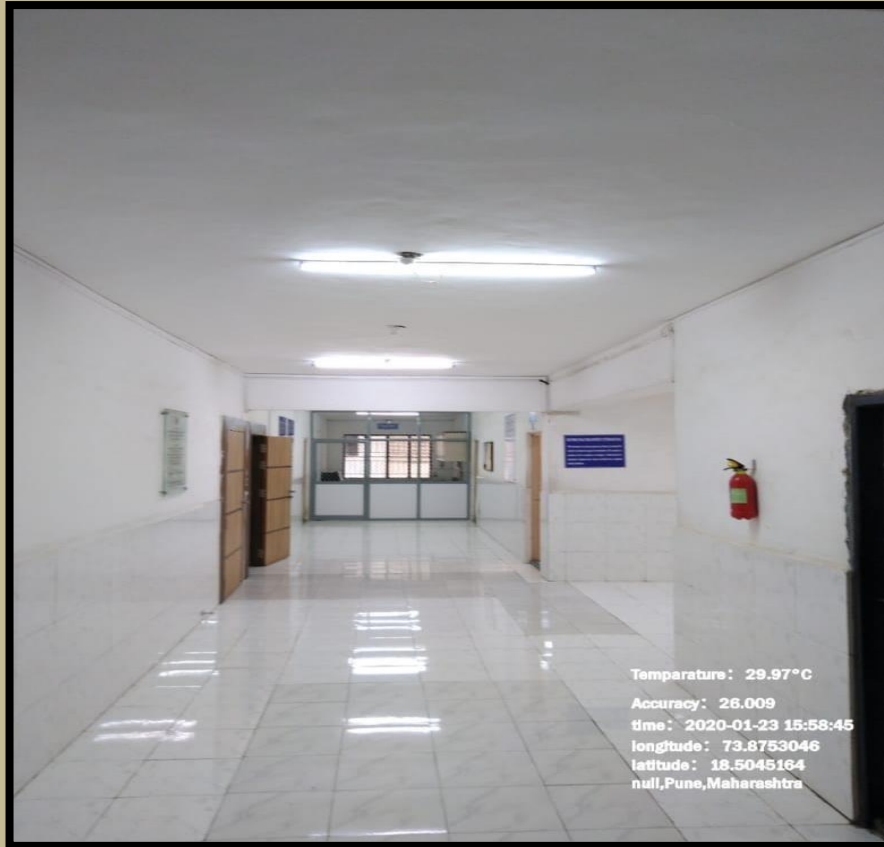
Biogas Plant



Vermin Composting Pits



E-waste Management



LED Tube lights in college