



**M. C. E. Society's
M. A. Rangoonwala Institute of
Hotel Management & Research, Pune**

Azam Campus, Camp, Pune-411001.

Website: www.marhotelmanagement.com Email ID: info@marhotelmanagement.com

Tel.No. 020 - 26442261/62

(Recognized by Govt.of Maharashtra and Affiliated to Savitribai Phule Pune University)

Green Audit

2021-2022

Analysed By

Mrs.Vijayalaxmi Shinde

Head- Department of Environmental Science

Abeda Inamdar Senior College of Arts, Science

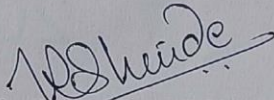
and Commerce

Camp, Pune- 411001

Disclaimer

Mrs. Vijayalaxmi Shinde, Head- Department of Environmental Science, M.C.E. Society's Abeda Inamdar Senior College of Arts, Commerce and Science has analysed this report for the **Maharashtra Cosmopolitan Education Society's , M.A. Rangoonwala Institute of Hotel Management & Research, Pune, 2390- B, K.B. Hidayatullah Road, Azam Campus, Pune- 411001** based on input data submitted by the College .

The information has been compiled and carefully examined in accordance with the numerous requirements. The report was produced using a comparative examination of the facilities already in place. The analysis and investigation are reflected in the inputs. These will help to improve and build a sustainable institution.


Mrs. Vijayalaxmi Shinde
Auditor
Department of Environmental Science
Abeda Inamdar Sr. College
Camp, Pune - 411 001

About the Maharashtra Cosmopolitan Education Society (M.C.E.S.)

Maharashtra Cosmopolitan Education Society (MCES), was established in the year 1948 by Late Mr. Abdul Kadir Khan and others, with an objective of providing education to the economically, educationally and socially weaker sections of the society. It is an educational society registered under the Society's Registration Act of 1860 and also a Public Trust registered under the Bombay Public Trust Act 1950. It is also registered under section 12(a) of Income Tax Act 1961 and is exempted u/s 80G of the said Act by the Income Tax Commissioner, Pune.

The M.C.E. Society is one of the oldest educational organizations of Pune & has done pioneering work in the field of education. Within a short span of time the M.C.E. Society from a humble beginning of 4 schools has been transformed into an excellent educational complex of higher, medical, technical and professional academic institutions in the field of Arts, Science, Commerce, Computer Science, Law, Education, Pharmacy, Management Sciences, Architecture, Dental Sciences, Hospitality Studies & Information Technology.

Assessment of the College

Administrative details are as follows;

- The college is affiliated to Savitribai Phule Pune University for the Academic Year 2021-2022.
- Recognized by the Government of Maharashtra vide G.R.No. NGC 2006 (299/06) dated 03/06/2006

Green Audit

Introduction

Environmental problems like air pollution, water pollution, and global warming have become more prevalent. The most effective and environmentally friendly method of resolving such environmental issues is through strategy planning and systematic practice and implementation of these practices which can be assessed through Green Audit. A green audit includes managing hazardous waste, using renewable energy sources, reducing carbon emissions, planting trees, and managing electronic trash. To help students understand the significance of environmental concerns and how to manage them and ultimately transform them into responsible citizens of our nation, it is vital to undertake a green audit on college campus.

College has taken following measures to keep the campus green;

1. Energy Conservation

Our college's staff and students take small steps to conserve energy, such as turning off fans and lights when not in use and turning off computers and other electrical equipment at the end of the day.

2. Use of Renewable energy

- LED Conversion- All the tube lights in the college have been replaced with LED lights to save the electricity.
- Solar panels have been installed on the roof of the college which reduces the consumption of non-renewable source of energy and adopt the use of Renewable source of energy.

3. Carbon Neutrality

- Different plant species have been planted in the campus to reduce the carbon footprints. Also vehicles are restricted in some areas of the campus.
- **Solid waste management:** For segregation of waste, green and red bins are kept everywhere. Canteens use degradable and washable plates. "Sanibins" 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 prohibited & dust bins are provided throughout the campus. Usage 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.

- **Vermicomposting:** A pit (15 ft x 9 ft) has been made (since 2002) in our campus for Vermicomposting. The waste generated from college is collected in the pit. The formed compost is used as a fertilizer for the plants in the campus. Thus the campus is free from chemical fertilizers.
- **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.
- **Biomedical waste management:** As we are Hospitality Studies college using food commodities, biomedical waste is not generated in the college.
- **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 Municipal Corporation for recycling. Campus has its own vermicomposting pits at various locations. The composting pits are maintained by the gardner and his staff. The waste is collected in the pits and allowed to compost. After three months, the compost becomes ready which is used as a fertilizer for the plants on the campus.

- **Hazardous chemicals and radioactive waste management:** Chemicals used for cleaning the areas are drained out in right procedure. As we are in the food industry there is no radioactive material used.

4. Activities

Following activities are undertaken to create awareness amongst students and staff;

- Training to Class IV employees on segregation of dry waste and wet waste.
- Competition for students on Reduce, Reuse and Recycle “Best out of Waste”.
- Workshop on making news paper bags to reuse paper and to avoid the use of plastic.

Activity Report

Best out of Waste Competition

13th October 2021

M.C.E. Society's M.A.Rangoonwala Institute of Hotel Management & Research organized 'Best out of Waste Competition' for B.Sc.HS students on 13th October 2021 under Innovation and Incubation cell activity. Assoc.Prof.Vijayalaxmi Shinde, Head of the Department of Environment Science, Abeda Inamdar Senior College, Azam Campus evaluated the competition and motivated the students to recycle the waste material to save the environment. The winners of the competition were –

Dominic Shrisunder- T.Y.B.Sc. (HS)- Winner

Kalpana Burman-S.Y.B.Sc. (HS)- 1st Runner up

Sanskruiti Bandal- F.Y.B.Sc. (HS)- 2nd Runner up



Competition poster



Best out of waste made by participants

Activity Report

Workshop on making news paper bags to reuse paper and to avoid the use of plastic.

12th January 2019

The Library of M. C. E. Society's M. A. Rangoonwala Institute of Hotel Management & Research organized a workshop of making "Paper Bags" on 12th January 2019 for the college students. Mr. Subhash Dharmaji Khandale, Lecturer M. C. E. Society's School of Art administered the workshop to prepare the "Paper Bags" and also guided the students on how one can bring innovation in making the bags and gave the idea for making the best out of waste. This session also created environmental awareness among the students.

The activity was conducted by Mrs. Chanda Supekar under the guidance of Principal Prof. Anita Frantz.



Workshop in Progress



Group Photo

Activity Report

Competition for students on Reduce, Reuse and Recycle “Best out of Waste”.

9th September 2017

Cleanliness Fortnight was celebrated at M.C.E.Society's M. A. Rangoonwala Institute of Hotel Management & Research from 01st sept to 15th sept'17. A competition with the theme 'Best Out of Waste' saw students participating in large numbers on 09th Sept'17. The competition was judged by Prof. Viajayalaxmi Shinde, Head of Department- Environmental Science, M.C.E.Society's Abeda Inamdar Senior College of Arts, Science and Commerce. First prize was bagged by 2nd year students team of Abdul Rehman and Sohail Shaikh for making “Hydraulic Machine with water”, followed by 3rd year students team of Bismillah and Mirza Mehndi on the second position for making “Carry bag” out of old jeans.



Students explaining their project to examiner



Students explaining their project to examiner