

MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY)

MULLANA-AMBALA, HARYANA - 133207

(Established under Section 3 of the UGC Act, 1956)

(Accredited by NAAC with Grade 'A')

DISTINCTIVE FEATURE OF THE INSTITUTION

INITIATIVES FOR A GREEN CAMPUS

Surrounded by green fields, the MM(DU) has a lush green campus with a number of dedicated parks, good landscape and green trees in and around the campus. Students are always encouraged to take part in tree plantation drives, being organized every now and then. Stress has always been on preserving the natural environment and establishment of an eco-friendly Campus. Keeping this in mind, almost, every building of MM (DU) is mounted with arrays of Solar Panels with a 4760 KW capacity Solar Power Generation Plant, which is the biggest installation in any University. The total CARBON FOOTPRINT per annum will be 54,00,000 and the CO₂ reduction calculated in the number of trees will be approximately 2,50,000 Trees. We are also exporting huge number of electrical units to the state electrical grid, thereby contributing to the country towards a huge resource and infrastructure requirement.

Additionally, following initiatives have been undertaken for making the campus a truly Green Campus:

- 1. Solid Waste Management:** Blue and green colored dustbins, respectively for dry waste and wet waste, are placed in corners of the entire campus in order to easily segregate the biodegradable and non-biodegradable waste. The supervisors ensure the collection of the waste at routine allotted time in each block of the campus. Later, through the mobile trash bins the entire collected waste is emptied in the dumping yard, where it is collected by the authorized vendors for further processing.

2. Liquid Waste Management: The liquid waste is categorized into two types:

- Sewage Waste: The sewage waste is collected through the well-constructed underground drainage system leading to the large collection tanks in the Sewage Treatment Plant for recycling. Treated water is pumped through sprinklers and overhead tanks to all the lawns.
- Laundry, laboratories and kitchen waste is passed through the Sewage Treatment Plants and Effluent Treatment Plant and the treated water is used for sanitation.

➤ **Number of Sewage Treatment Plants: 02**

➤ **Number of Effluent Treatment Plant: 01**

Further, the MM(DU) also has rain water harvesting facilities to conserve the rain water so that it can be gainfully utilized later.

3. Biomedical Waste Management: MM (DU) has adopted the Bio-Medical Waste Management Rules, 2016.

Category	Type of Waste	Type of Bag or Container used
Yellow	Human anatomical waste, Soiled waste, Expired or Discarded Medicines, Chemical waste, Discarded linens contaminated with blood or body fluid, microbiology, biotechnology and another clinical laboratory waste	Yellow coloured non chlorinated plastic bags or containers
Red	Contaminated waste (Recyclable)	Red-coloured non-chlorinated plastic bags or containers
Blue	Glassware and metallic body implants	Blue boxes

Rudraksh Enviro Care Pvt. Ltd., Naraiangarh, authorized by the Haryana State Pollution Control Board (HSPCB), Panchkula for the disposal of Bio-Medical

Waste on monthly basis, has been engaged by the MM (DU) to remove the waste regularly for further disposal.

- 4. E-waste Management:** Recycling and repairing of the e-waste is done as per established procedures. Non-recyclable and non-repairable e-wastes are disposed off in a safer manner to the government authorized vendors.

- 5. Hazardous Chemicals and Radioactive Waste Management:** Standard Operating Procedure is followed for the hazardous chemicals and radioactive waste disposal. Records are maintained for the compliance of AERB norms at both the MM(DU) level and Departmental level.

- 6. Other Measures:** The MM(DU) has totally restricted entry of automobiles to commute within the campus and restricted the same to the central parking's only. Further, **Battery Powered Electric Vehicles** have been introduced for movement within the campus. The MM(DU) conducts a green audit, energy audit and environment audit, regularly. It also has sensor-based energy conservation for its active areas. All electrical bulbs and tube lights are LED's.

In addition to the above measure, the MM(DU) through its NSS units has initiated projects related to the environment safety. The main motto behind these projects is to make the society aware about this important issue. On June 5th, 'World Environment Day' is celebrated in which Tree Plantation and Plastic Ban campaigns are the main activities organized in the MM(DU). Rallies of students are organized to spread the message of adverse effect of pollution on our day-to-day life.