



AMITY UNIVERSITY


MADHYA PRADESH



Clean Water and Sanitation

Ensure availability and sustainable management of Clean Water and Sanitation for all

In consonance with the requirements of SDG 6 Amity University Madhya Pradesh ensures availability and sustainable management of water and sanitation for all. The university campus is clean & green, and all efforts have been made to make it environment friendly. Some of the remarkable initiatives undertaken by Amity University Madhya Pradesh are Rainwater Harvesting to improve the ground water level, waste sewage water treatment plant etc.

1. Solid waste is generated by all the staff, students and visitors who visit the campus regularly. This waste is generated in the form of packing materials, unserviceable/retrieved maintenance items, stationery paper, food items and dry leaves fallen from trees on the roads/ parking.
 2. The stationery waste and other food items are collected in the waste bins (both degradable and non-degradable marked with different color) installed in the academic blocks in sufficient numbers. The waste generated in the academic blocks is transported to the central waste rooms and further segregated into sellable and other unusable. And finally, both the sellable and unused waste is lifted by the local vendor for which he pays monthly charges.
 3. The waste retrieved from maintenance items is sold quarterly/half yearly to the local vendor by Board of Staff ordered by Dir Admin.
-
- 

-
-
4. The dry leaves fallen on the roads/parking, is collected by housekeeping staff and are transported to the compost pits available in the campus wherein they are dumped into the pits for making compost naturally.

LIQUID WASTE MANAGEMENT

1. Liquid waste is generated by all the staff, students and visitors visiting the campus regularly. This waste is generated in the form of sewage and wastewater from toilets and cafeterias. This liquid is channelized to manhole's installed outside the blocks and further transported to the collection chambers and further lifted/raised through sewage pumps to the STPs installed in the campus.
2. 02 STPs of capacity 2.8 LLPD and 1.6 LLPD (Lakh liter/Day) respectively are installed for taking care of liquid waste generated in the campus. This waste is further treated with various processes at STPs and finally treated water is used in toilets for flushing (in hostels) and for horticulture purposes.

Sewage Water Treatment Plants



SEWAGE WATER TREATMENT PLANT

WASTE RECYCLING SYSTEM

1. Liquid waste generated in academic blocks and hostels is transported to STPs through sewerage pipelines. And this waste is further treated with various

processes at STPs, and finally treated/recycled water is used in toilets for flushing (in hostels) and for horticulture purposes.

2. The dry leaves/cutting waste obtained from hedge cutting/ tree trimming are further recycled/converted into compost naturally. And this compost is utilized in Campus horticulture.

RAIN WATER HARVESTING SYSTEM

Rainwater Harvesting is a unique ***water management practice that involves collecting and storing rainwater using various methods and systems***. *The primary goal of rainwater harvesting is to reduce water scarcity, manage stormwater runoff, and ensure sustainable water resources for diverse needs.* Amity University Madhya Pradesh has endeavored to install a robust Rainwater Harvesting System in the campus. This step is support rainwater collection systems on campus reduce the university's dependence on municipal water systems, storing the collected water in cisterns. The water is filtered and disinfected for use for both drinking and non-drinking purposes. The Engineering Technology Building was designed to reflect the faculty's strategic plan, engineering a Sustainable Future, and features rainwater harvesting for wastewater flushing and landscape irrigation.

1. The University has 10 Nos of Borewells in the campus. The borewells dug in the campus do not have enough ground water to yield water continuously. Half of the borewells dry up during continuous pumping. To recharge these existing borewells and to restrict the out-flow of rainwater Amity University has constructed 10 Water Harvesting Pits of capacity 30,000 ltrs at various locations (Water Catchment Area) 10 conserve rainwater. These pits have been provided enough filter media to restrict the mud/silt during rains.
2. The above has brought sea change in saving of rainwater and has thus improved the water level, of our borewells, which helps us in meeting our water requirement in peak summers.

<https://publuu.com/flip-book/695904/1547656> (Rain Water Harvesting Pit Layout)



Rainwater Harvesting System



Rainwater Harvesting Pits Locations

This has also been appreciated by Hon'ble High Court Gwalior MP Local Newspaper.



Pump House

