

7.1.3 Waste management

Waste management is an important aspect in environment management. Various types of wastes generated in the campus are handled carefully and managed scientifically. The details of waste management are as follows.

- Solid waste management

The Institute aims for an eco-friendly campus and to make this a reality; institute has taken various initiatives in which the campus of the institute has already declared as plastic free zone. Plastics, paper and food waste has been segregated at the initial level only and it has collected in Bins which are placed in different parts of the campus. Apart from this reusable steel plates and glasses are used in the canteen. Kolhapur Municipal Corporation (KMC) collects solid waste from the campus regularly though its solid waste collection vehicle for the further process. Institute always encourage and motivate its staff and students to use of eco-friendly bags and files and have taken the initiative to take up campus cleaning programme through extension activities

- Liquid waste management

Institute has taken serious steps in liquid waste generated in the campus. The liquid wastes generated in the campus include Sewage, Laboratory, Laundry, hostel, wash rooms, urinals, basins and canteen effluent waste. For the effective treatment of liquid waste generates from all above sources, Institute has constructed two well-designed Sewage Treatment Plants (STP) which can treat 25 m³/day of sewage. The STP installed near Central Library having design capacity of 10 m³/day in which sewage from toilets is screened and collected in Aeration Tank which is equipped with Jet Aerator. In this process microbial activity will degrade the organic matter in the effluent in to minerals and water. Microbial activity will be enhanced by using organic culture in aeration tank. This will help in reduction of all the effluent parameters like BOD, COD, Suspended Solids etc. to enable use to reuse this water selectively. We do not use any chemicals for wastewater treatment. Our campus is a chemical-free zone. We use Effective Microbes (EM) technology. The parameters of the treated water are far better than effluent parameters specified by Maharashtra Pollution Control Board (MPCB). While in another STP installed near Ladies Hostel to have eco-friendly and natural treatment, this plant is designed based on the biological treatment concept, this means naturally occurring microbes (which are present in influent water itself) removes or degrade the organic matter present in the effluent and at the end clean water is available for the non-potable usage or to dispose safely in the drainage or river bodies as per the norms.

- Biomedical waste management

As Institute does not have medical stream Not Applicable.

- E-waste management

In the consideration of waste management, Institute has also given priority for e-waste management in the campus. With respect to e-waste, Institute has unused computers and their peripherals are the only source of electronic waste on the campus. In the Institute as on date more than 500 computers under use for practical and office work. Institute follows the policy for e-waste management in which reuse of old computers by donating them to other schools under the trust and old ones replaced with new under the buyback scheme.

As well as every effort is made to repair and use electronic and electrical devices. Piling up of e-waste is discouraged in the campus. Waste recycling system

- Waste recycling system
- Hazardous chemicals and radioactive waste management

As Institute does not have Chemistry Or Physics programs on campus NA

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Sewage Treatment Plant (Location: Girl Hostel)



Type	Degree	DMS
Latitude	16.68788	16°41'16" N
Longitude	74.25194	74°15'6" W



Type	Degress	DMS
Latitude	16.68791	16°41'16" N
Longitude	74.25194	74°15'6" W

Sewage Treatment Plant near Library