



Rajgad Dnyanpeeth's
SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING
Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal-Bhor, Dist- Pune (Maharashtra)

CRITERION 7- Institution Values and Best Practices

Key Indicator - 7.1 Institutional Values and Social Responsibilities

7.1.3. Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words).

1. Solid waste management
2. Liquid Waste Management
3. Biomedical waste management
4. E-waste Management
5. Waste recycling system
6. Hazardous chemicals and radioactive waste management

Answer:

a. Solid waste management

The solid waste (Dry waste) such as paper, pens, chalks etc. deposited at each floor dustbins. There is daily 30 kg Food Waste generated in college canteen and is utilized for biogas plant. The bio gas plant is having volume of 2.2 m³ and gas holding capacity of 1.68 m³.

b. Liquid Waste

The waste water from wash basin, urinals, toilets, water cooler etc. is collected in a septic tank of capacity 240000 liter.

c. Bio-medical waste management

The Bio medical waste like sanitary pads in the institute is disposed with the help of Incinerator which are located in each floor woman's wash room area as well as in Girls Common room washroom.

d. E-waste management

E-waste like memory chips, mouse, cables, compact discs, cartridges, cables. Switches etc. is collected in E-waste bin. The collected E-waste is given to authorized dealers for reuse and dispose.





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1. Solid waste management
2. Liquid Waste Management
3. Biomedical waste management
4. E-waste Management

Institute is surrounded by trees and mountains so it has pollution free environment. To maintain the surrounding clean and green institute, institute has initiated following waste management steps:

1. Solid waste management

The waste such as paper, pens, chalk etc. is collected at each floor's dustbins. The waste from college is collected by workers.

The waste generated in college canteen is utilized for biogas plant. Canteen is well equipped with biogas plant. 30kg/day left over food waste takes 24 hours to convert into biogas. The bio gas plant is having volume of 2.2m³ and gas holding capacity of 1.68m³.

The generated energy is utilized in canteen itself.

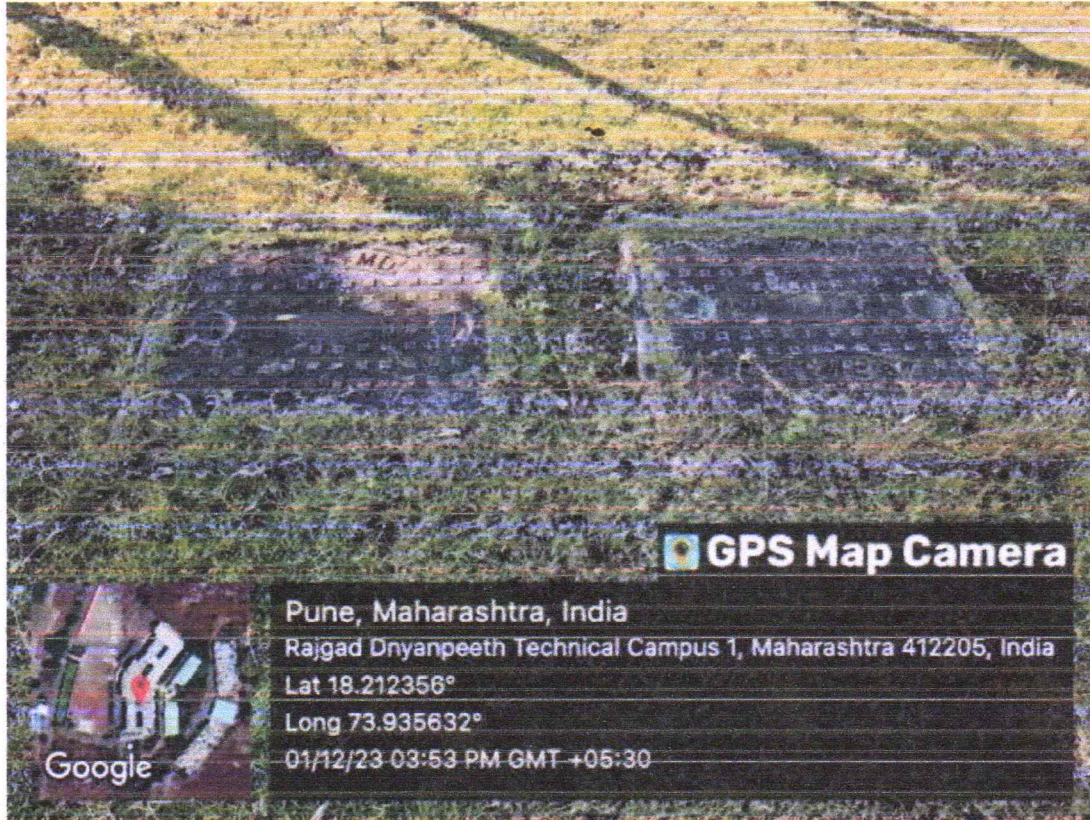


Bio Gas Plant



2. Liquid Waste

The waste water from wash basin, urinals, toilets, water cooler etc. is collected in a septic tank of capacity 240000 liter



Liquid Waste System



3. Bio-medical waste management

The Bio medical waste generated in the institute is disposed in the institute itself. For girls common room is provided in the college. The girl's common room has a facility of incinerator to dispose sanitary pads.



Incinerator



4. E-waste management

E-waste like memory chips, mouse, cables, compact discs, cartridges, cables, switches etc. is collected in E-waste bin. The collected E-waste is given to authorized dealers for reuse and dispose.



E-Waste Bin

