



Shaneshwar Shikshan Prasarak Mandal's  
**V P COLLEGE OF PHARMACY, MADKHOL**

Tal. Sawantwadi, Dist. Sindhudurg 416510 (Maharashtra)

DTE Code-3490

D. Pharmacy & B. Pharmacy

MSBTE Code-2030

Approved by PCI - New Delhi, Govt. of Maha., DTE - Mumbai & Affiliated to Dr. B. A. T. University, Lonere & MSBTE, Mumbai

**7.1.2.2: The Institution has facilities and initiatives for Management of the various types of degradable and nondegradable waste**



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## SOLID WASTE MANAGEMENT

Waste management or waste disposal includes the processes and actions required to manage waste from its inception to its final disposal. This includes the collection, transport, treatment, and disposal of waste, together with monitoring and regulation of the waste management process. The aim of waste management is to reduce the dangerous effects of such waste on the environment and human health. Proper solid-waste collection is important for the protection of public health, safety, and environmental quality.

## TWIN BIN SYSTEM



**Twin Bin**



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## LABORATORY WASTE MANAGEMENT SYSTEM

Chemical waste is any excess, unused, or unwanted chemical, especially those that cause damage to human health or the environment. Chemical waste may be classified as hazardous waste, non-hazardous waste, universal waste, or household hazardous waste. Hazardous waste is material that displays one or more of the following four characteristics: ignitability, corrosivity, reactivity, and toxicity. Hazardous wastes are those that may contain toxic substances generated from chemistry lab wastes. These wastes could be corrosive, inflammable, explosive, or react when exposed to other materials. Some hazardous wastes are highly toxic to environment including humans, animals, and plants and therefore, proper laboratory waste management is necessary.



## Chemical Waste Management



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## **EFFLUENT TREATMENT PLANT SYSTEM**

Effluent is an outflow of water or gas from a natural body of water, or from a human made structure and in engineering, is the stream exiting a chemical reactor. It can also be defined as Treated or Untreated Waste water, that flows out of a treatment plant, sewage, or industrial outlet.

So, this treatment of waste water i.e untreated effluent is turned into Treated Effluent with the help of Effluent Treatment Plant (ETP) sometimes it is also called as Sewage treatment Plant (STP). Clean water then is safely discharge into Environment.



**Effluent Treatment Plant**



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## E-WASTE MANAGEMENT





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## Biodegradable waste Management



## Biodegradable waste Management - Compost Plant