



CRITERION 7- INSTITUTIONAL 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

Response:

New Prince followed the waste management mechanisms as Reduce, Reuse and Recycle i.e., Reduce the amount of waste generated, Reuse everything to its maximum after proper segregation and cleaning and keeping things which can be Recycled aside and handed over to appropriate agencies. The waste generated in the campus include liquid waste and solid waste- both of biodegradable and non-biodegradable nature & chemical waste. No classified hazardous waste is generated in the campus. The environmental policy of the institute is to achieve zero discharge and complete utilization of waste with well-designed strategies to make campus clean, hygienic and healthy.

Waste Management mechanisms followed by the Institute are as follows:

➤ Solid waste Management

Solid waste includes both biodegradable and non-biodegradable components. The non-biodegradable solid waste generated in the campus include, paper, plastics, metal cans etc. Biodegradable waste includes tree droppings ,food waste, vegetable peels, leaves etc.

The waste is segregated at source by providing separate dustbins for Bio-degradable and Non-biodegradable waste. Bio-degradable: The institute dumps the waste and waste is converted into the compost. Good quality nutrient rich and eco-friendly manure is formed. Non-bio degradable: Usage of plastic bags is discouraged within the



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premises of the College. 'Use and throw' items like plastic cups, plates etc. used in the college canteen are replaced by reusable items steel glasses and plates. Glass, paper and metal waste is sold for recyclers.

Metal, wood, glass and plastic scrap collected from laboratories, library, office and college campus is given to scrap dealer for recycling.

Dustbins are kept on every floor and in classrooms. Garbage is picked by Municipal Corporation.

The waste bins are placed separately at every wash rooms and common room. The dry waste bins are also placed in laboratories, library, classrooms, etc. The dry and wet waste Garbage is regularly picked by Municipal Corporation.

Solid waste are collected in waste bins and disposed



Sanitary napkin disposer for discarding of used napkins has been installed in our college at the female rest room.



Sanitary Napkin Disposer



➤ **Liquid waste Management**

Liquid waste that is generated in the institute falls into three following categories.

- i. Septic tank effluents from various sanitary blocks, water used for washing and cleaning of utensils etc. from canteen:

As the college is located in rural un-sewered area, waste water generated from the sanitary facilities is disposed off into septic tanks located at different places in the campus and their effluents combined with canteen waste water is used for gardening, watering trees etc. Well-constructed drainage systems leading to the closed collection tanks, the tanks are regularly cleaned to avoid stagnation of water.

- ii. Wastewater from laboratories using chemicals:

Waste water generated from the laboratories is very small in quantity; hence they are handled along with septic sewage.

- iii. Wastewater from RO plant:

RO plant wastewater is diluted with canteen wastewater and used for gardening, watering trees etc.



Septic tanks in various sanitary blocks



RO plant wastewater is diluted with canteen wastewater and used for gardening, watering trees etc.



➤ **E-waste Management**

E-waste Management College works towards generating minimal e-waste by reusing it. The minimization of e-waste is given high priority. Technical staffs regularly maintain the electronic devices. There is a common practice of reutilization of electronic devices after repair or correction to reduce the e-waste production.



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- The e-wastes like non-functional computers, monitors, printers, keyboards, mouse's etc are collected and are disposed to the scrap dealer based upon the highest bidding.
- The cartridges of laser printers are reused through refilling by the vendors from outside the college campus.
- The batteries of UPS are recharged / repaired / exchanged by the suppliers.
- Institute now have taken a policy for using LCD monitors for all new procurements which will help in reducing e-waste.
- It is planned to install E-waste bin in the campus, to sensitize students and staff on careful disposal and management of electronic waste.

➤ **Biomedical Waste Management :**

As the plastic used in disposable sanitary napkins are not bio-degradable and lead to health and environmental hazards, the sanitary napkins that are collected from the Girls toilet are incinerated to destroy pathogens at the campus level.

Various activities are organized by different departments and committees to highlight the importance of waste management. A workshop on Biocomposting was organized by Department of BioTechnology. Students and public nearby college were participated in the workshop.

Glimpses of the Workshop



Awareness and sensitization among students about the reduction, proper disposal and reuse of waste are done through displays at different part of the campus.




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