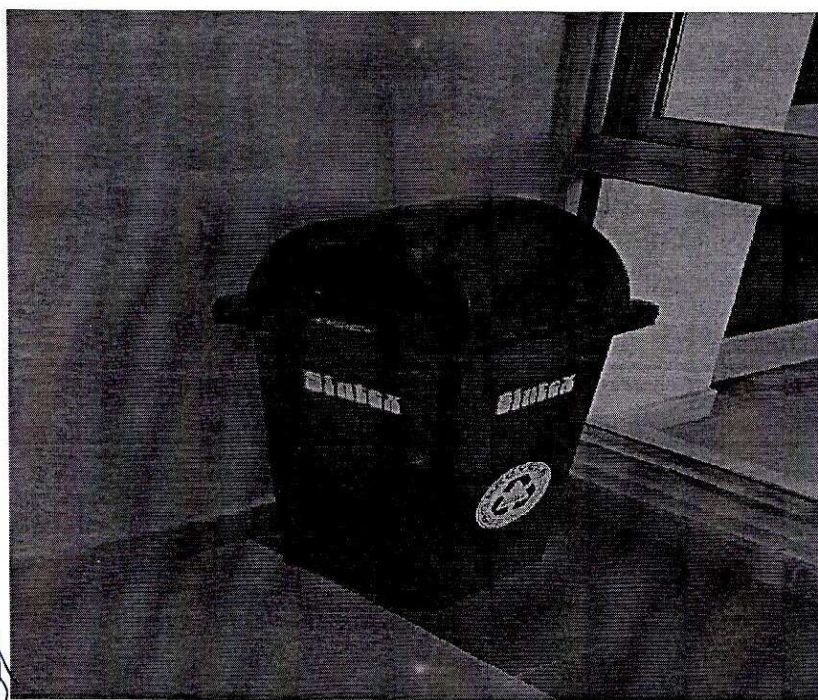


WASTE MANAGEMENT

The process of waste management involves treating solid and liquid waste. During the treatment, it also offers a variety of solutions for recycling items that aren't categorized as trash. The entire idea thus boils down to re-using garbage as a valuable resource and given our current environmental climate, this process is extremely vital for all households and businesses.

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 and waste-related laws, technologies, economic mechanisms.

Waste can be solid, liquid, or gaseous and each type has different methods of disposal and management. Waste management deals with all types of waste, including industrial, biological, household, municipal, organic, biomedical, radioactive wastes. In some cases, waste can pose a threat to human health. Health issues are associated throughout the entire process of waste management. Health issues can also arise indirectly or directly. Directly, through the handling of solid waste, and indirectly through the consumption of water, soil and food. Waste is produced by human activity, for example, the extraction and processing of raw materials. Waste management is intended to reduce adverse effects of waste on human health, the environment, planetary resources and aesthetics.



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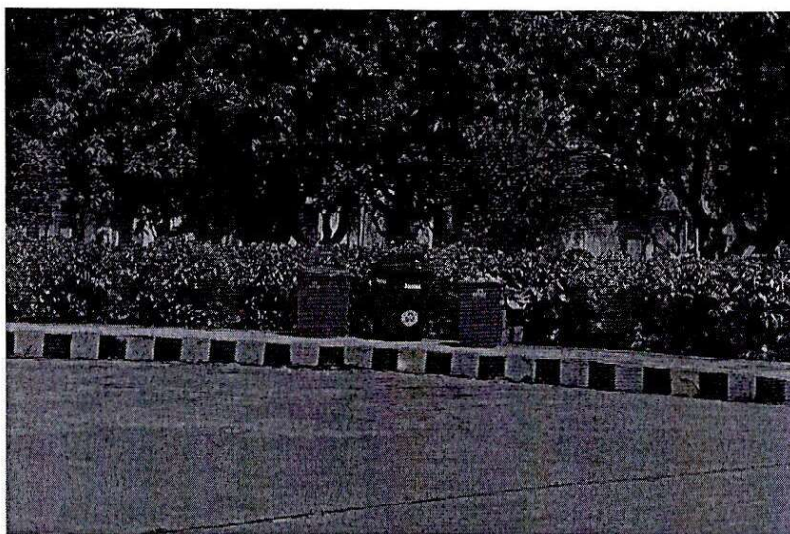
THE ICFAI FOUNDATION FOR HIGHER EDUCATION

(Deemed-to-be University Under Section 3 of the UGC Act, 1956)

Campus: Dontanapalli, Shankerpalli Road, Hyderabad - 501203, Telangana State, India, Ph: 040-23479999, 23479732; www.ifheindia.org

City Office: # 52, Nagarjuna Hills, Panjagutta, Hyderabad - 500082, Telangana State, India, Ph: 040-23440939.



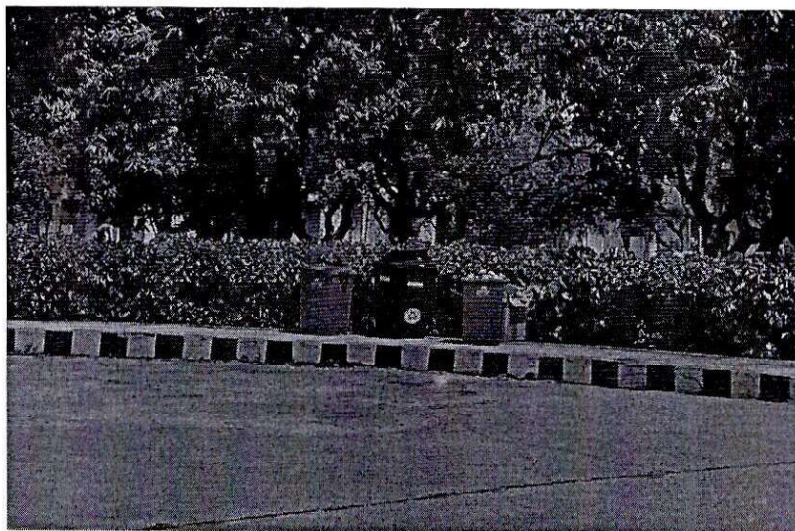
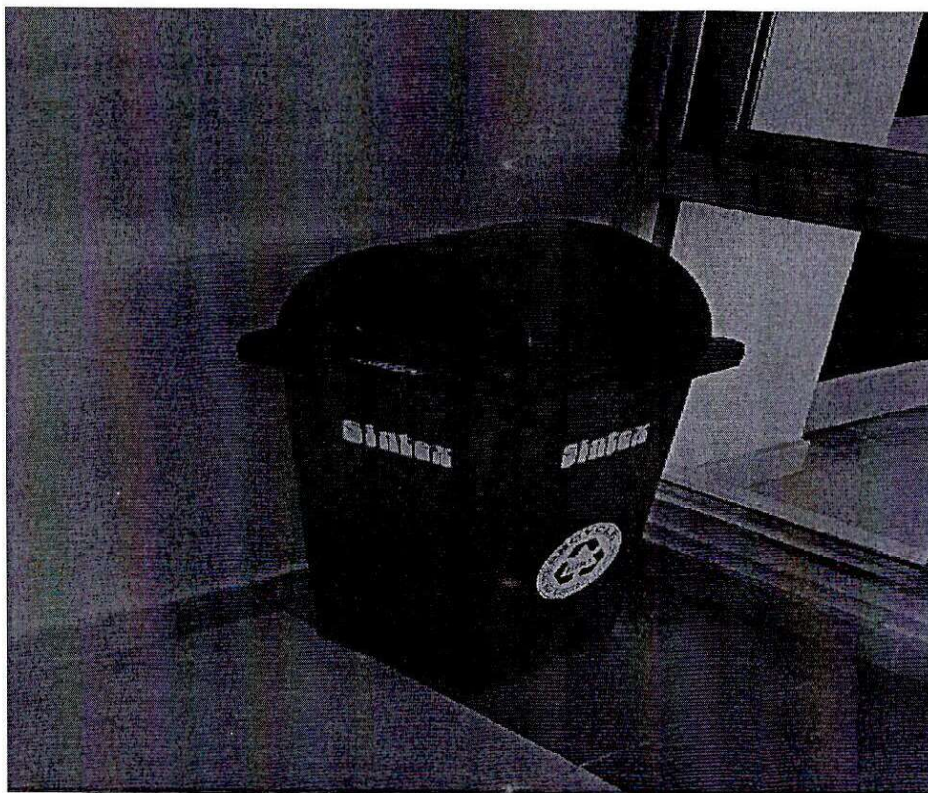


SOLID WASTE MANAGEMENT

Solid-waste management, the collecting, treating, and disposing of solid material that is discarded because it has served its purpose or is no longer useful. Improper disposal of municipal solid waste can create unsanitary conditions, and these conditions in turn can lead to pollution of the environment and to outbreaks of vector-borne disease—that is, diseases spread by rodents and insects. The tasks of solid-waste management present complex technical challenges. They also pose a wide variety of administrative, economic, and social problems that must be managed and solved.

In the campus, private sweepers are engaged for handling domestic waste. Adequate number of collection bins separately for biodegradable and non-biodegradable waste has been provided as per the Solid Waste Management Rules (SWM). Waste from such bins is collected separately on daily basis and taken to a separate centralized collection facility.

Final segregation of solid waste into biodegradable, non-biodegradable, and inert fraction are done in the centralized collection facility.



Key Observations

- Coloured bins were found during the site visit, although clear demarcation wasn't noticed
- Vermicomposting is done at the site by means of 4 pits present in the campus

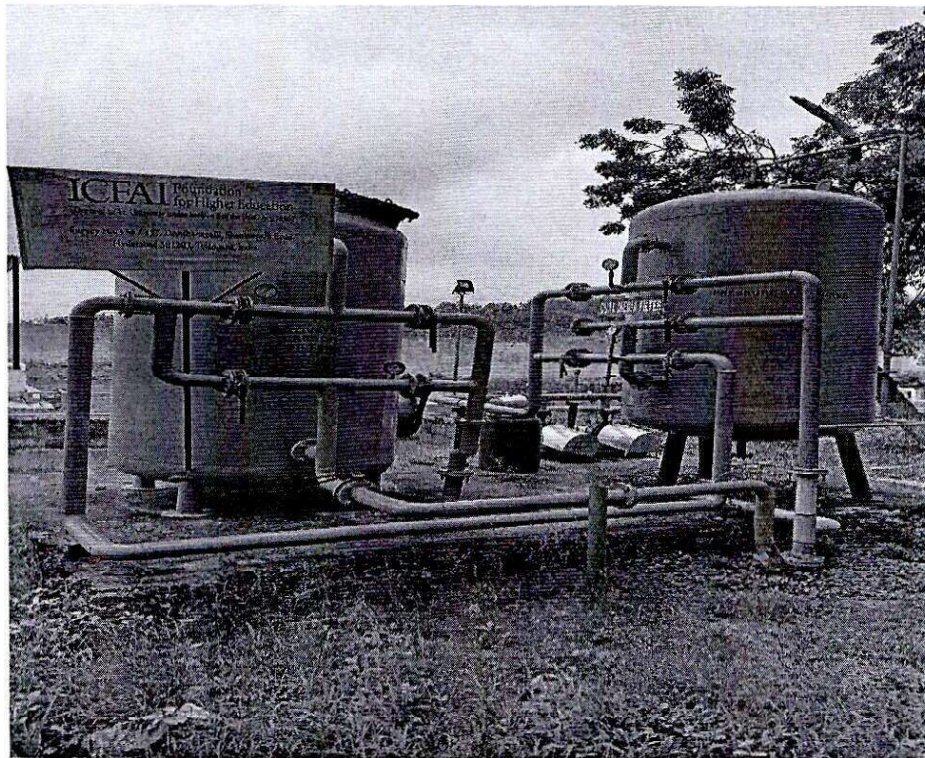
Key Recommendations

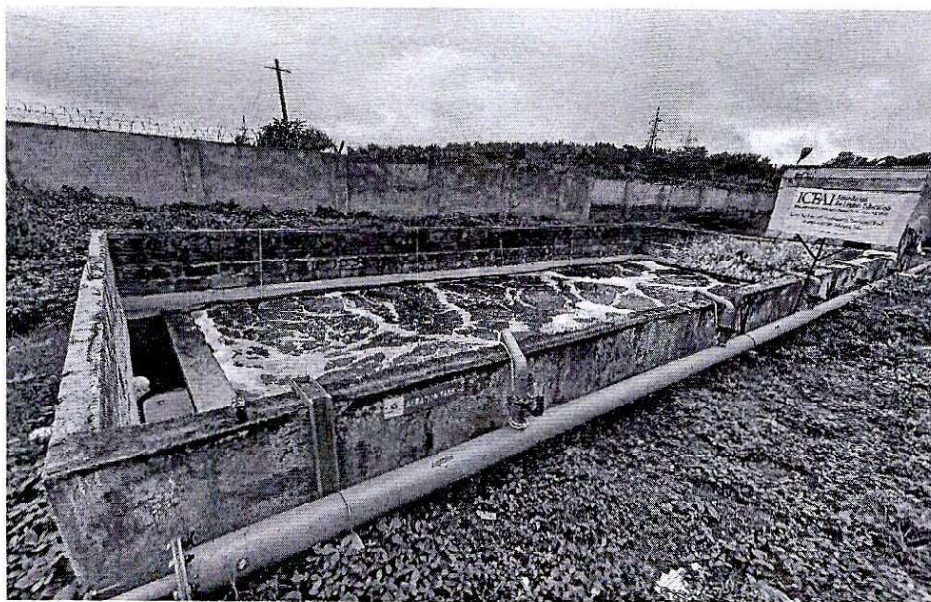
- To achieve better waste management, reduction of waste production should be the primary goal. In an academic institution, often printing papers would be a common source of waste generation. Switching to digital alternatives will reduce the paper printing requirements.
- Food waste from the hostel mess and cafeteria must be frequently audited, measured and quantified. They must be composted along with other organic wastes produced from the landscape management.
- Colour coded bins must be labelled and kept at every building to ensure waste segregation. Partnering with the right vendors and agencies for recycling must be ensured.
- Oral or written dissemination on waste management must be conducted frequently to encourage low waste production amongst patrons of the institution.

LIQUID WASTE MANAGEMENT

Liquid waste can be defined as such Liquids as wastewater, fats, oils or grease (FOG), used oil, liquids, solids, gases, or sludges and hazardous household liquids. These liquids that are hazardous or potentially harmful to human health or the environment. They can also be discarded commercial products classified as "Liquid Industrial Waste" such as cleaning fluids or pesticides, or the by-products of manufacturing processes.

There are general regulatory requirements relating to waste, additional regulations apply to generating, storing, transporting, treating and disposing of hazardous and liquid wastes. E-waste Disposal is dedicated to the collection, transportation, treatment, recycling, reclamation and disposal of wastewaters.



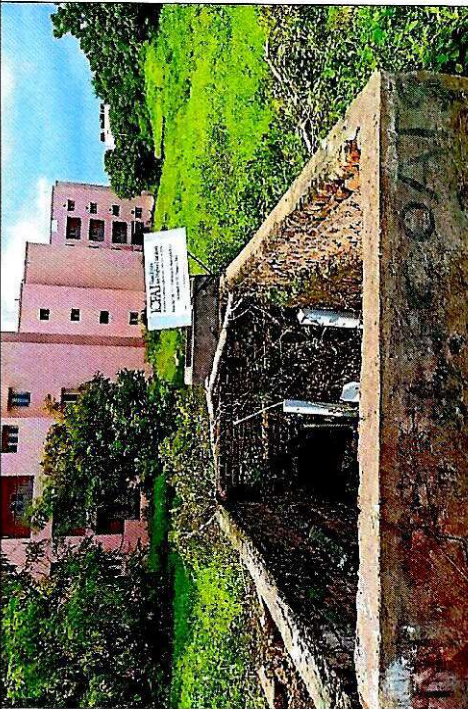


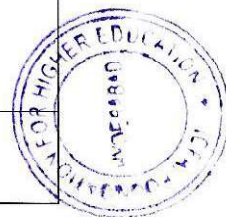
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ICFAI Foundation for Higher Education, Hyderabad

7.1.1.4. Water conservation facilities available in the Institution:

S.No.	AREA	GeoTagged Photo	GPS Location
1	RAIN WATER HARVESTING BESIDE ABCD HOSTEL		Backside ABCD hostel Properties General Security Details Previous Versions Property Light source Exposure program Saturation Sharpness White balance Photometric interpretation Digital zoom EXIF version GPS Latitude Longitude Altitude File Name Item type Folder path Date created Date modified Remove Properties and Personal Information Value Unknown Auto 1 0220 17: 25; 17.66509999999982... 78: 13; 10.273999999999758... 498 Backside ABCD hostel.jpg JPEG image C:\Users\GSD\Downloads... 9/25/2021 4:07 PM 8/19/2021 3:00 PM OK Cancel Apply
1	RAIN WATER HARVESTING BACKSIDE CMD		Backside CMD Properties General Security Details Previous Versions Property White balance Photometric interpretation Digital zoom EXIF version GPS Latitude Longitude Altitude File Name Item type Folder path Date created Date modified Size Attributes Offline availability Remove Properties and Personal Information Value Auto 1 0220 17: 25; 25.60949999999985... 78: 13; 6.0167999999998303... 498 Backside CMD.jpg JPEG image C:\Users\GSD\Downloads... 9/25/2021 4:07 PM 8/24/2021 2:52 PM 8.52 MB A OK Cancel Apply



S. Nayabak & Son

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