

**7.1.3: Describe The Facilities In The Institution For The Management Of The Following Types Of Degradable And Non-Degradable Waste**

7.1.3	<b>THE FACILITIES IN THE INSTITUTION FOR THE MANAGEMENT OF THE FOLLOWING TYPES OF DEGRADABLE AND NON-DEGRADABLE WASTE.</b>	
<b>S.No.</b>	<b>MANAGEMENT OF DEGRADABLE AND NON BIO DEGRADABLE WASTE</b>	<b>FACILITIES AVAILABLE AT VISAKHA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY</b>
1.	<b>SOLID WASTE MANAGEMENT</b>	As part of the Swach Bharat initiative and Clean and Green Visakhapatnam, solid trash is separated into biodegradable and non-biodegradable categories and given to the Greater Visakha Municipal Corporation.
2.	<b>LIQUID WASTE MANAGEMENT</b>	Water is a limited resource that will soon experience shortages if improperly handled. Conserving water can make a big difference in easing the upcoming shortages on campus. It is emphasized to students that protecting water is akin to protecting their future.
3.	<b>E-WASTE MANAGEMENT</b>	The difficulty of properly disposing of electronics has increased along with their widespread use. VIET has a very effective system in place to get rid of E trash that comes from many sources.



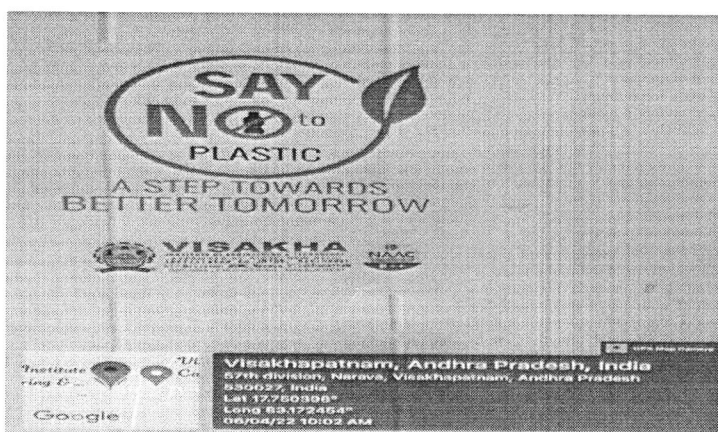
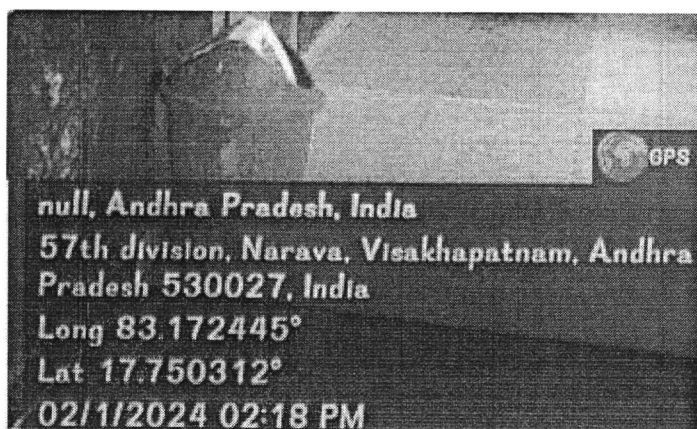
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4.	<b>WASTE RECYCLING SYSTEM</b>	The Vermi Compost Unit receives biodegradable solid waste from the college canteen and the boys' and girls' hostels, which is then disposed of there to create organic fertilizer for gardening.
5.	<b>HAZARDOUS CHEMICALS AND RADIOACTIVE WASTE MANAGEMENT</b>	Hazardous medical waste of any kind is not present on campus. The best way to gather, transport, and handle chemicals safely is to be aware of any possible risks associated with their use.

**1. SOLID WASTE MANAGEMENT**

The college pays close attention to ensuring that waste production on campus is kept to a minimum. As part of the Swachh Bharat project and Clean and Green Visakhapatnam, solid trash is separated into biodegradable and non-biodegradable categories and given to the Greater Visakha Municipal Corporation. Dustbins are supplied in every department and classroom for the disposal of dry waste. At key places, garbage is separated into dry and wet categories from specially designated dustbins, keeping the campus tidy and environmentally friendly. On campus, it is not permitted to use plastic carry bags, cups, or laminated paper plates. It is recommended that staff and students bring cloth bags.



**Solid waste management in the campus**

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## Swachh Bharat Program

The institution focused not only on the campus but also beyond campus. To attain that, the VIET College decided to conduct a Swachh Bharat program to keep the place neat and clean.



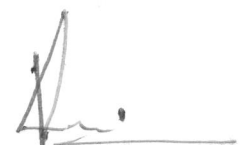
## 2. LIQUID WASTE MANAGEMENT

Water is the most essential ingredient for the survival of life, after air. Water is a limited resource that will soon experience shortages if improperly handled. Conserving water can significantly lessen the effects of these approaching shortages. It is emphasized to students that protecting water is akin to protecting their future.

### Water conservation facilities in the VIET College

#### 2.1 BORE WELLS

The VIET College is having sufficient number of bore wells to produce water for various purposes in the entire campus. The bore wells were constructed at required depths as per the sub soil water position. So, that there will not be any scarcity of water in future also. The entire campus utilizes the water for various purposes obtained from these bore wells only and these wells are regularly recharged with rain water harvesting pits.



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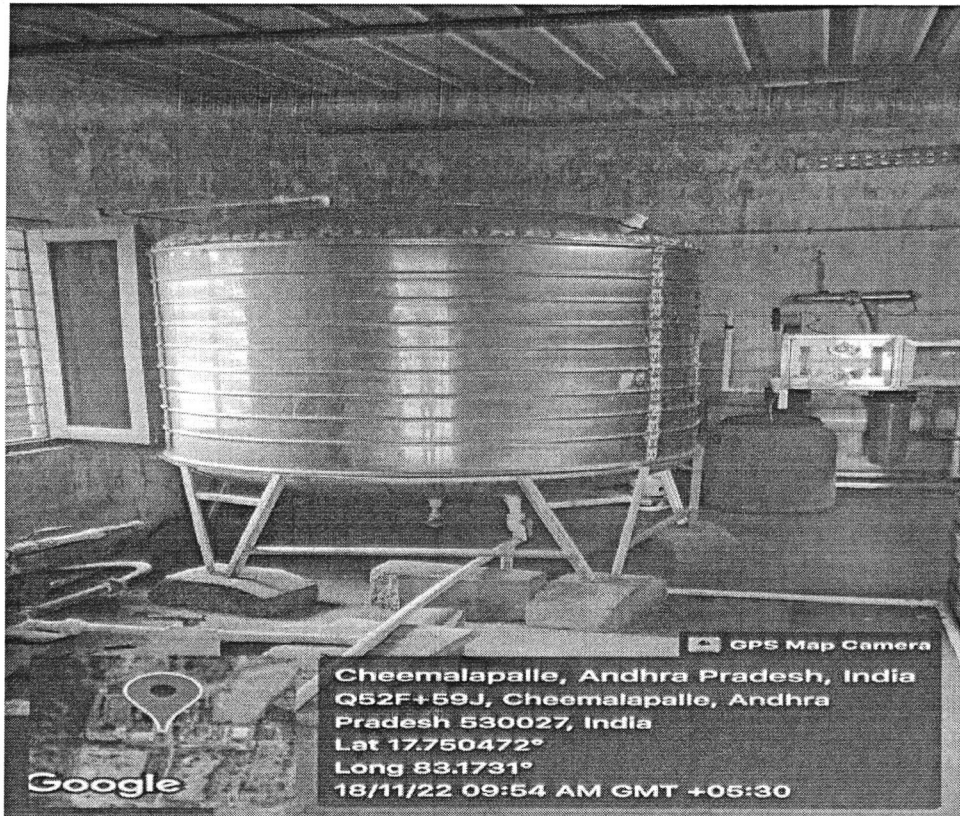


## BORE WELL

### 2.2 WASTE WATER RECYLING

In this college, the waste water has been purified by using modern technology i.e reverse osmosis membrane. The RO plant is constructed to purify the waste water and to use that water for various purposes. The purified water from RO plant is used for drinking purpose in the entire campus. And also for other purposes like gardening and washing purpose. In order to recycle the waste water the VIET college took an initiation and constructed this RO plant.

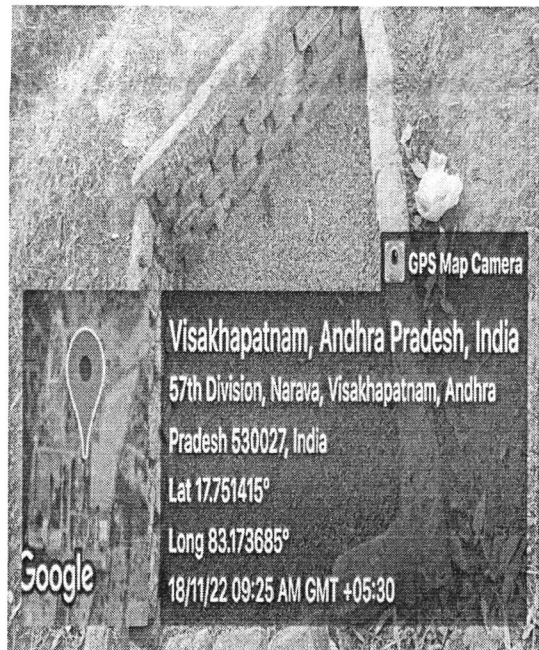
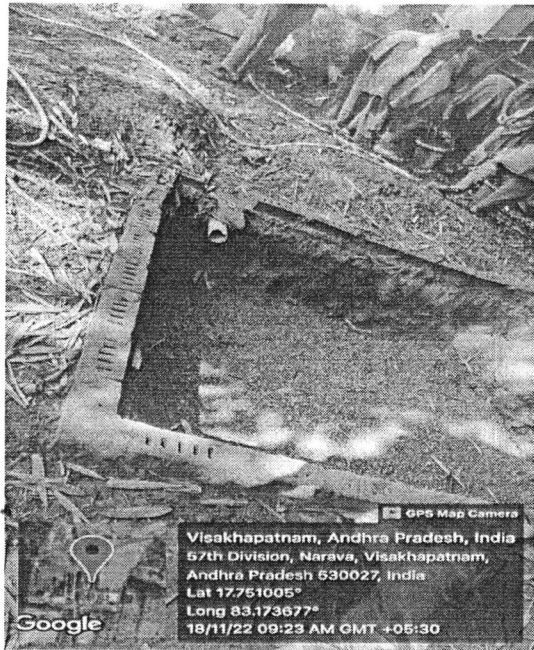
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### RAIN WATER HARVESTING

The VIET College is having rain water harvesting pits to conserve the rain water. The storm water can be stored naturally without wasting with the help of rain water harvesting pits. So, that the huge water can be used to recharge groundwater level of bore wells in the campus. The college took an initiation and constructed rain water harvesting pits to reduce the wastage of rain water and also to increase the utilization of naturally stored water for various purposes in the campus.

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## RAIN WATER HARVESTING PIT

### 3. E-WASTE MANAGEMENT

The difficulty of properly disposing of electronics has increased along with their widespread use. VIET has a very effective system in place to get rid of E trash that comes from many sources. Computer labs, electronics labs, physics labs, chemistry labs, academic offices, and administrative offices all produce e-waste. E-waste comprises malfunctioning or outdated devices and equipment such as lab equipment, circuits, desktops, laptops, and peripherals, printers, Wi-Fi devices, sound systems, display units, UPS, biometric machines, and cartridges. We make the best use of all these wastes. Through approved vendors, all such equipment that cannot be recycled or reused is disposed of. Buy-Back is the recommended choice for upgrading technology instead of a new procurement. The college is trying to figure out how to deal with the problem of electronic garbage, or "e-waste," on campus in an economical and efficient manner. While product wear and tear is a common reason for individuals to discard items, technology has made e-waste generation more rapid as a result of teachers, administrators, and students constantly upgrading to new devices. Due to this increase, college administrators are now compelled to thoroughly consider and deal with the environmentally responsible disposal of these goods across the entire campus. Every

  
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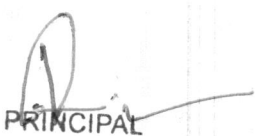
year, the gathered E waste is kept and disposed of. Additionally, concerns about e-waste and its safe disposal are explained to students.

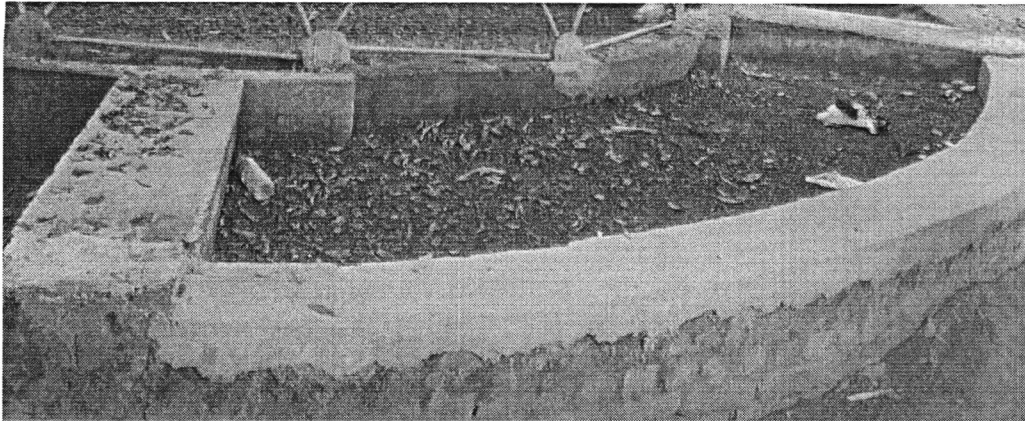


#### E-WASTE MANAGEMENT

#### 4.WASTE RECYCLING SYSTEM

Degradable solid waste collected from cafeteria, Boys and Girls Hostels, are dumped in the Vermi Compost Unit to make some Organic fertilizer which are used for Gardening and also dumped in Bio-Gas Plant to produce gas which is used in canteen for cooking.

  
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**Vermi compost**



**BIO-GAS PLANT**

### **5. HAZARDOUS CHEMICALS WASTE MANAGEMENT**

There is no hazardous trash of any type on campus. The best way to gather, transport, and handle chemicals safely is to be aware of any possible risks associated with their use. It is the responsibility of all parties involved, particularly those from academic departments and laboratories, to distribute information on the use of hazardous materials in the facility. Chemistry labs at the university use a variety of substances for various kinds of investigations. While some might not be hazardous, others might. Acetonitrile, chloroform, dimethyl sulfoxide, formaldehyde, 2-mercaptoethanol, methanol, sodium azide, sodium hydroxide, sodium hypochlorite, and tetrahydrofuran are a few of the hazardous substances found in laboratories. Extremely hazardous substances are handled carefully, including arsenic trioxide, chlorine, hydrogen cyanide, nitrous oxides, phosphorus oxide, potassium cyanide, sodium arsenate, and sodium cyanide.





**Hazardous Chemicals are kept separately**

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