



## CRITERIAN -7.1.3

### 7.1.3 Facilities in the Institution for the Waste Management

#### INDEX

S.No	Description
1	<b>Solid Waste Management</b>
2	<b>E-waste management</b>
3	<b>Liquid Waste Management</b>
4	<b>Biomedical Waste Management</b>
5	<b>Hazardous Chemicals and Radioactive Waste Management</b>

**PRINCIPAL**

Mohamed Sathak A.J. College of Engineering  
No.34, Rajiv Gandhi Salai (OMR)  
Sipcot - IT Highway Egattur,  
Chennai- 603103.

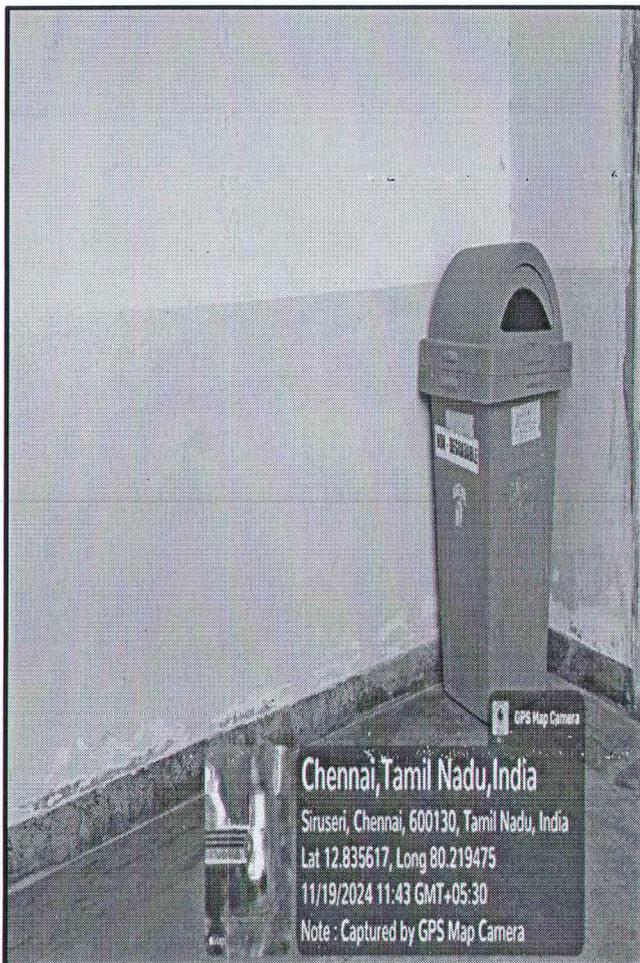


## 1. Solid Waste Management

On average, 22 kg of solid waste—including paper, cups, and tree droppings—is collected every day on campus. By providing distinct dustbins for biodegradable and plastic waste, the waste is separated at the source. In every department, used single-sided paper is recycled for writing and printing. The quantity of plastic waste produced by different departments is regularly collected and delivered to the vendor. Waste made of metal and wood is kept in storage and sent to approved scrap dealers for additional processing. In the labs, glass bottles are reused. After being transformed into biogas, the food waste is once more utilized in the kitchen. The incineration process is used to get rid of sanitary napkins.

### Solid Waste Segregation inside the campus

Our Institute is partnering with WOW- Wellbeing out of Waste, a Nationwide Recycling Initiative of ITC for the removal of recyclable paper waste from the campus for recycling. All other solid waste is removed by the contracted scrap deal



**Dustbin for Waste Collection**

**PRINCIPAL**

Mohamed Sathak A.J. College of Engineering  
No.34, Rajiv Gandhi Salai (OMR)  
Sipcot - IT Highway Egattur,  
Chennai - 603103.



**Dustbin for Waste Collection**

**PRINCIPAL**  
Mohamed Sathak A.J. College of Engineering  
No.34, Rajiv Gandhi Salai (OMR)  
Sipcot - IT Highway Egattur,  
Chennai - 603103.



**Plastic Collection Bin**

*[Handwritten signature]*



**Segregation of Solid Waste Inside the Campus**



### Segregation of Solid Waste Inside the Campus

#### 2.E-Waste Recycling System

In our institution, we place significant emphasis on the recycling of electronic waste, prioritizing its reuse to the greatest extent possible before it is deemed scrap. For example, toner cartridges are recycled and utilized until they reach the point of being classified as waste.

E-waste from labs is properly collected and is given to the licensed recycler, reused wherever possible, donated and sold if possible. Non-working computers, monitors, and printers are discarded and scrapped on a systematic basis to Authorized Scrap Dealer. Some parts useful for other systems are kept aside for future use. Students are also imparted awareness about E-Waste.



Segregation of E-Waste

*Handwritten signature*  
**PRINCIPAL**

Mohamed Sathak A.J. College of Engineering  
No.34, Rajiv Gandhi Salai (OMR)  
Sipcot - IT Highway Egattur,  
Chennai - 603103.



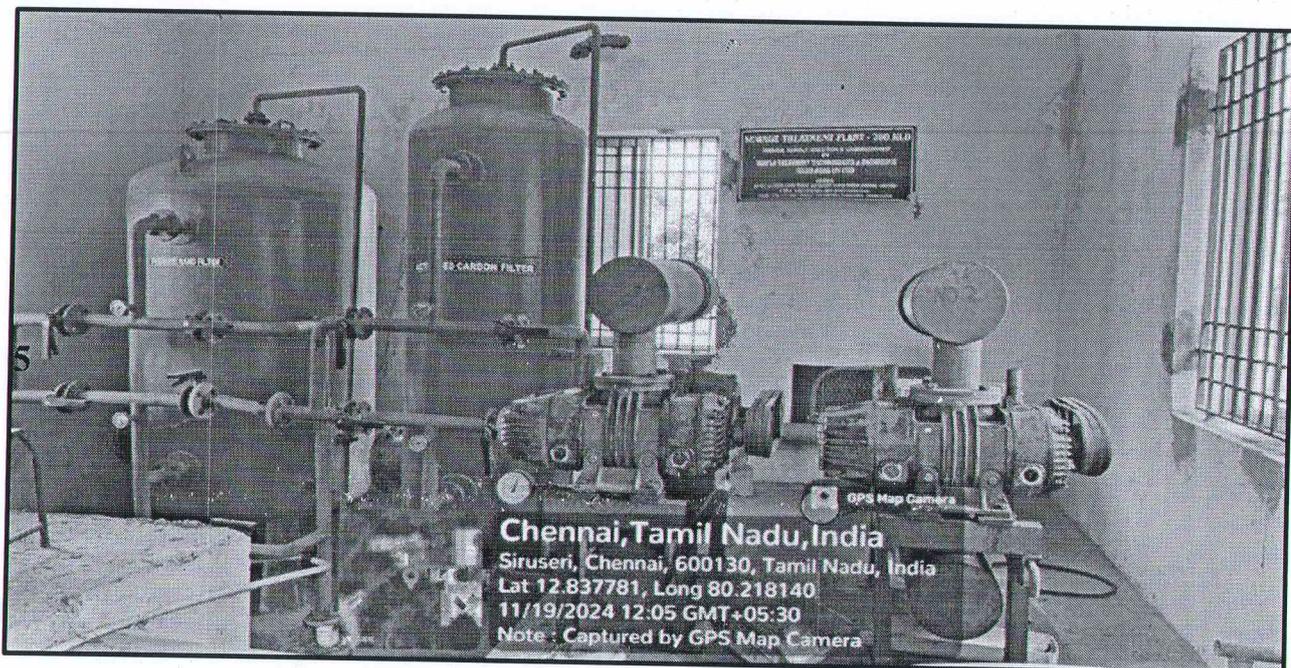
### Segregation of E-Waste

### 3. Liquid Waste Management

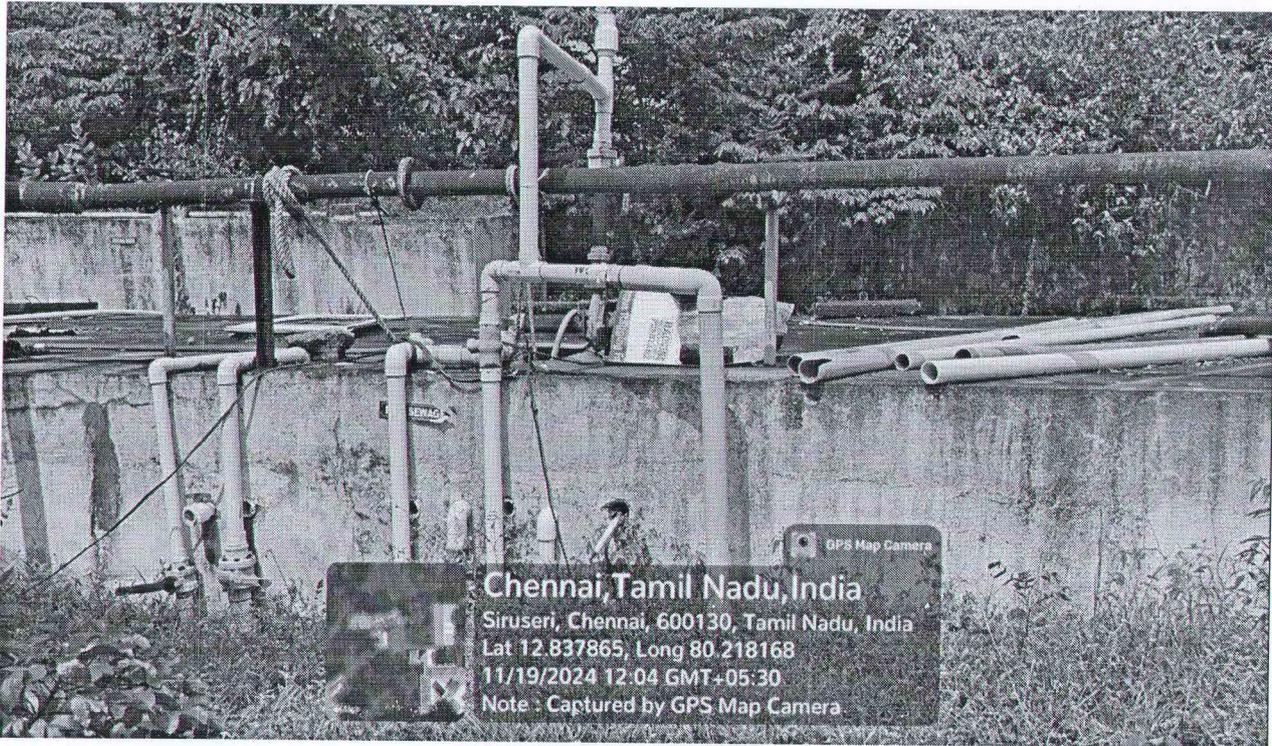
*[Handwritten Signature]*  
**PRINCIPAL**

Mohamed Sathak A.J. College of Engineering  
No. 33, Rajiv Gandhi Salai (OMR)  
SIPCOT - IT Highway Egattur,  
Chennai - 603103.

Our institution consistently emphasizes the importance of conserving every drop of water. In this context, the college has implemented measures to utilize wastewater for irrigating the trees. Daily, the college requires around 10,000 liters of water for the plants, sourced from two Sewage Treatment Plants (STPs) with a combined capacity of 25,000 liters.



**Sewage Treatment Plant**



**Sewage Treatment Tank**

*Handwritten signature*

**PRINCIPAL**

Mohamed Sathak A.J. College of Engineering  
No.34, Kuvay Gandhi Salai (OMR)  
Chennai - 600130, Tamil Nadu, India

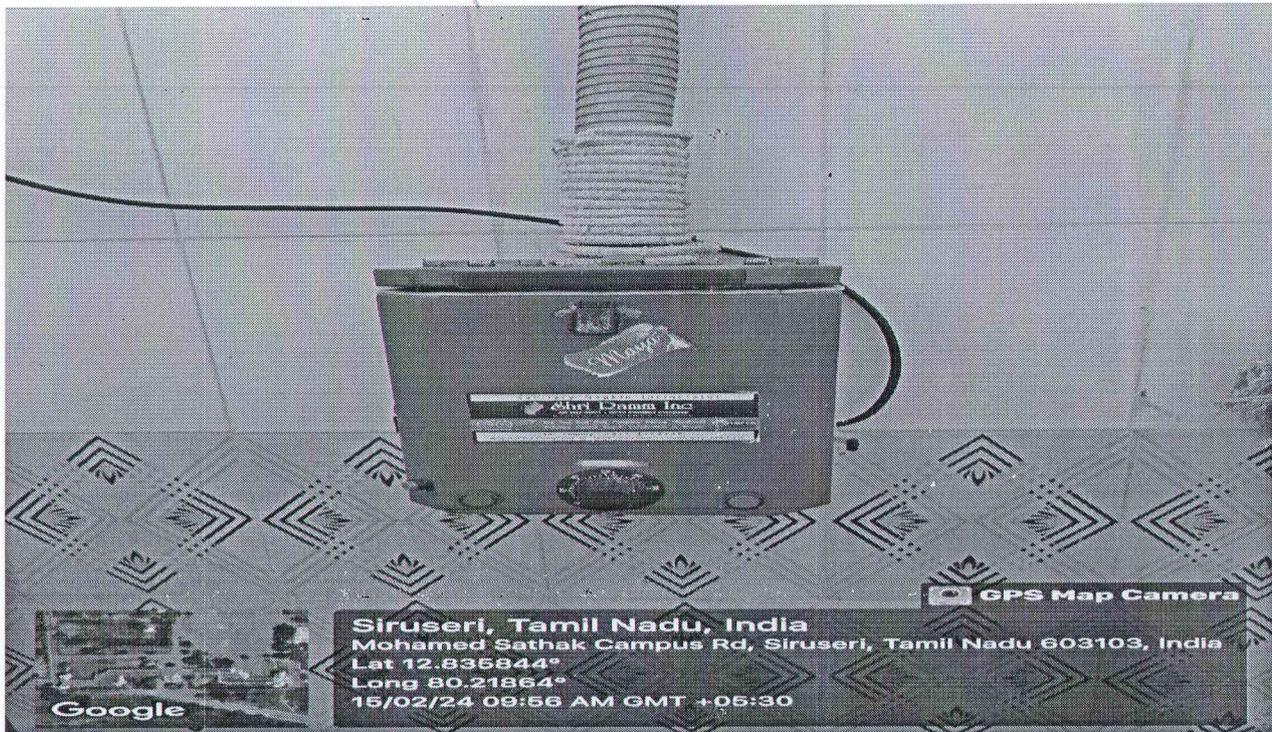


**Waste Water to Garden**



## 4. Biomedical Waste Management

In our institution biomedical waste like sanitary napkin is being disposed with the help of the sanitary napkin incinerator. We have 2 incinerators, one is placed in the women rest room located in the ground floor and other is placed the women restroom located in the third floor. Ashes from the incinerator are disposed regularly. We also have 2 Sanitary napkin wending machine.



## 5. Hazardous Chemicals Waste Management

Our institution is committed to minimizing the use of hazardous chemicals, ensuring that they are utilized only for laboratory purposes. We prioritize recycling and reusing most chemical waste. Additionally, we carefully collect and store both acidic and basic wastes in appropriate chemical storage containers, ensuring their proper disposal.

**PRINCIPAL**

Mohamed Sathak A.J. College of Engineering  
No.34, Rajiv Gandhi Salai (OMR)  
Sipcot - IT Highway Egattur,  
Chennai - 603103.