



**“Techno-social Excellence”**  
**Marathwada Mitra Mandal’s**  
**INSTITUTE OF TECHNOLOGY**  
**Lohgaon, Pune-411047**

**Action Taken Report and Achievement Report**  
**Clean and Green Campus Initiatives**

<b>Sr. No</b>	<b>Details of Problem Analysis</b>	<b>Corrective measures/action taken/Recommendations</b>
1	Suggestions in Energy audits: Electricity usage in the campus to be controlled.	Energy Audits are conducted annually. Efforts to be made to implement suggestions to the maximum extent to control the energy usage.
2	Suggestions in Energy audits: Power Saving measures to be initiated to reduce electricity Bill.	Fluorescent and CFL lights are 100 % replaced in a phased manner by LED batterns
3	Solid waste management in the campus to be controlled.	Plastic use in the campus to be controlled and limited to the maximum extent. Single-use plastic to be banned. For the management of Solid Waste, Sewage Treatment Plant is already functional in the campus with capacity 100 kL. A new STP plant of capacity 200 kL is set up and made functional in the year 2023. A new Biogas Plant with capacity 20 liter/kg is installed to support the existing biogas plant. Vermiculture composting plant is in existence in the institute.
4	Limited use of electricity is for conserving energy resources.	Directives given to Power Off fans, LED tubes, PCs, Electrical Appliances, lab equipments when not in use
5	Water management to be made more effective.	Rainwater Harvesting is already functional in the institute to support refill of borewells. Drip irrigation is used to water the plants.
6	Adopting environmentally friendly policies and practices.	Tree plantation is spread all over the campus. E waste Management drives are conducted.

## ENGRESS SERVICES

Yashashree, 26, Nimal Bag Society, Near Muktangan English School, Parvati, Pune 411 009  
Tel: 09890444795 Email: [engress123@gmail.com](mailto:engress123@gmail.com)

MEDA Registration No: ECN/2022-23/CR-43/1709  
ISO: 9001-2015 Certified (Cert No: 23EQKC13),  
ISO: 14001-20105 Certified (Cert No: 23EEKW20)

## ENERGY AUDIT CERTIFICATE

Certificate No: ES/MMIT/22-23/01

Date: 18/4/2023

This is to certify that we have conducted an Energy Audit at Marathwada Mitra Mandal's Institute of Technology, Lohagaon, Pune, in the Year 2022-23.

.The Institute has adopted following Energy Efficient practices:

- Usage of Energy Efficient LED Fittings
- Maximum usage of Day Lighting
- Installation of 9000 LPD Solar Thermal Water Heating System
- Drip Irrigation System for Watering the Garden

We appreciate the support of Management, involvement of faculty members and students in the process of making the Campus Energy Efficient.

For Engress Services,



**A Y Mehendale,**  
B E-Mechanical, M Tech- Energy  
BEE Certified Energy Auditor, EA-8192



### 1. Energy Audit Certificate



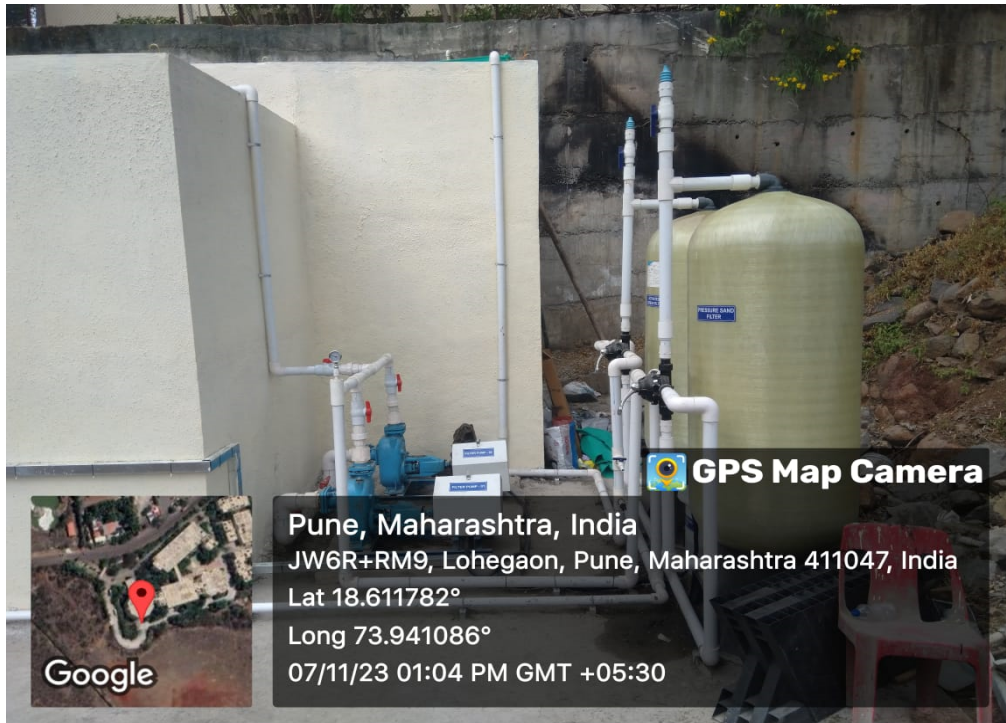
## 2.1 Sensor based LED



## 2.2 Replacement of CFL's by LED's



### 3.1 Restriction of Plastic in Campus



### 3.2 Sewage Treatment plant



### 3.3 Biogas Plant

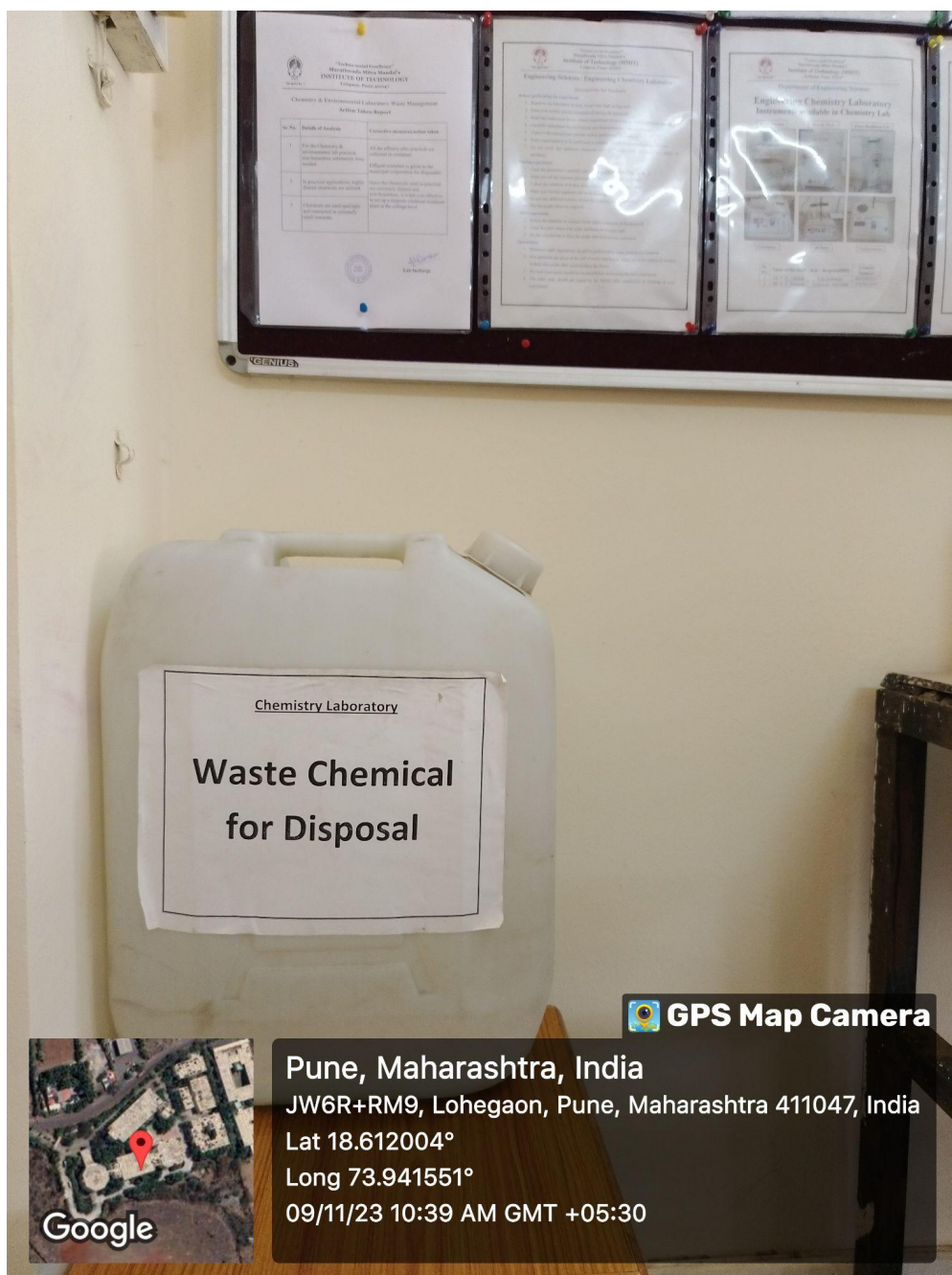


### 3.4 Vermiculture Composting -



### 3.5 E-Waste Management





### 3.6 Chemical Waste Management



#### 4. Displays for Power Savings



## 5. 1 Rainwater Harvesting



## 5.2 Drip Irrigation



## 6. Tree plantation