



## ESWAR COLLEGE OF ENGINEERING: NARASARAOPET

Approved by AICTE, New Delhi  
Affiliated to JNTUK, Kakinada  
Sponsored by Shaik Dada Saheb Charitable Trust, Narasaraopet.  
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### WASTE AND WATER MANAGEMENT POLICY

#### Preamble

The educational institutions represent the main components of sustainability promotion in our society. Waste and Water Management is one of the challenges that educational institutions have to face in accomplishing the sustainability goals. In 2016 the Union Ministry of Environment, Forests and Climate Change (MoEF&CC) released the updated Solid Waste Management (SWM) Rules which applies to every Solid Waste generator contributing to Waste generation in the premises. In recent 53 years, technologies have been developed that not only help in generating substantial quantities of decentralized energy but also in reducing the quantity of Waste for its safe disposal. The water management policy of MBCET includes all the water related field activities. There are more conservation systems available in the campus which supplies drinking water to a large academic community of the entire Institution.

#### Features in the Campus:

- Material recovery facility and Incinerator.
- Paper recycling and reuse by converting to Notepads.
- Repair, Re-use and frequent maintenance of equipment to ensure sustainable longevity.
- Waste Segregation using Colour Bins
- E - Waste Recycling and management.
- Sanitary Waste Incinerator.
- Student Projects on Waste management
- Awareness programs for Waste management through Govt. of Andhra Pradesh.

  
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#### 1. Waste & Water Management Policy Statement

Eswar College of Engineering Waste Management Policy articulates commitment to reducing its environmental impacts through effective Waste Management and sustainable practices in

converting Waste to resource. The Campus strives to work for obtaining a Zero Waste plan thus obtaining its Ecofriendly status through the policy of "reduce, reuse and recycle". A water management also required to assure the quality of water distributed from the unique sources of water conservation system at ESWAR COLLEGE OF ENGINEERING.

## 2. Objectives

- Minimising the consumption of natural resources.
- Avoiding and minimising the generation of Waste.
- Reducing, re-using, recycling and recovering Waste.
- Ensure segregation of Waste at the source
- Promoting and ensuring the effective delivery of Waste services.
- Achieving integrated Waste Management reporting and planning.
- Ensure that the stakeholders are aware of the impact of Waste on their health, wellbeing and the environment through Awareness programs
- Increase consumer awareness of Waste minimization issues
- Ensure the protection of the environment through effective Waste Management measures.
- Encourage Waste to energy options through projects and research work
- Carry out regular internal Waste Managing Audits to continuous monitoring and assessments of various Waste management systems in the college.
- Regular monitoring and follow up procedures managed by the Institution Waste Management Cell for effective implementation at department levels.
- Train faculty, non-teaching staff, students and housekeeping staff to make the Institute a role model in the area of Energy conservation.
- Promote Collaborations with Govt. Bodies/Industries/NGOs to promote sustainable practices in the Campus
- Review the Policy on a regular basis.
- Bench mark the Campus using the green norms.
  - To provide adequate water supplies to meet demands of the campus.
  - To provide clean, safe, reliable drinking water at all times.

  
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### **3. Responsibilities and Roles**

The Waste Management Team comprises of:

1. Management (Bursar)
2. Principal
3. 1 Coordinator and Faculty Representatives from all Departments
4. Housekeeping Staff Coordinator
5. Advisory team from the associated professional bodies/clubs.

The team should carry out the action plan and ensure the Waste Management strategy is organized and implemented optimally.

### **4. Action Plan Waste Management Plan**

1. Constitute the Waste Management Cell with representatives from all Departments, for effective implementation.
2. Regular Monitoring and benchmarking resource use and Waste generation.
3. Quantify, Monitor and Evaluate the Waste generation, disposal and collection system in the Campus, regularly.
4. Setting short term and long term targets and conservation strategies pertaining to the UN Sustainable Goals.
5. Initiate sustainable practices like Composting for Waste, generated from the Canteen.
6. Reduce e-Waste to maximum with proper maintenance, before moving on to Replace & Recycle stage.
7. Continue to introduce innovative strategies to reduce paper Waste and plastic Waste in the Campus
8. Ensure effective disposal methods for Laboratory and Hazardous Wastes generated in the campus.
9. Provide training for faculty, students and staff about Waste Management and practicing Sustainable habits.
10. Include Sustainable Project learning strategies for Waste Management in the curriculum with Industry tie up.


11. Conduct awareness programs on Fire Safety, Occupational Safety and Work Ethics.
12. Conduct meeting regularly and review the policy & update the maintenance register
3. Conduct the water audit; Monitor the water levels of all conservation system, and Measures to be taken to improve the water quality

### **5. Mechanism of Action Plan**

The Waste Management Cell should lay down well-defined procedures as mentioned below, that follows the indicated stages.

- (i) Define the Sustainable Goal Agenda of the Academic year pertaining to Waste, and Water Management
- (ii) Create Implementation guidelines
- (iii) Review: Monitoring and follow-up

  
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