



GOVERNMENT COLLEGE OF TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

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POLICY DOCUMENT ON ENVIRONMENT AND ENERGY USAGE

Government of Tamil Nadu has an unwavering commitment to the Directive Principle of the State Policy enshrined in Article 48.A of the Constitution, which stipulates that "the State shall endeavour to protect and improve the environment". It was out of this commitment that the Government issued the **Tamil Nadu Solar Policy 2012**, which was the first comprehensive solar energy policy in the country.

With these twin policy objectives of protecting the environment and the welfare of its people, Tamil Nadu is committed to a sustainable and equitable energy future.

Tamil Nadu State Environment Policy 2017 is the outcome of extensive consultations with Experts in different disciplines, Departments and Agencies of Government of Tamil Nadu, Industry Associations, Academic and Research Institutions, Civil Society and the Public.

The strategies and actions to realise the objectives of Tamil Nadu State Environment Policy 2017 namely,

- Conserve, Nurture and Renew Environmental Resources
- Integrate environmental well-being into developmental programmes
- Enhance preparedness to deal with climate change impacts
- Improve Environment Governance and institutional capacity

Tamil Nadu Energy Policy provides for sustainable power to the people of the State at reasonable costs.

In accordance with section 14(p) of the **Energy Conservation Act 2001**, the purpose of the **Tamil Nadu Energy Conservation Building Code, 2022 (Code)** is to provide minimum requirements for the energy-efficient design and construction of buildings. Energy conservation measures are also being implemented for energy efficiency and savings as per the **guidelines of Bureau of Energy Efficiency (BEE)** and adopted.

Awareness Creation, Education and Capacity Building:

1. All public and private schools are encouraged to introduce a curriculum on energy and environment into their syllabus.

2. State Government Departments and State Public Sector Undertakings (PSUs) will be encouraged to participate in annual solar energy and energy conservation training programs organized by TEDA and other agencies.
3. All Higher Education Institutions are encouraged to host an annual energy and environment day to create awareness about climate change and the benefits of renewable energy as a climate change mitigation strategy.

Being a Government Institution, **GOVERNMENT COLLEGE OF TECHNOLOGY** has identified the following strategies to implement the policy on Environment and energy in alignment with the **Mission of Government of Tamilnadu**.

To facilitate implementation of the TN State Environment Policy 2017, GCT strive towards the environment and energy usage as a dynamic document which would be periodically reviewed to align it with newer information, strategies and actions identified.

- To sensitize all stakeholders towards a Clean, Green, and Sustainable Environment
- To install renewable energy system on all buildings in phased manner to displace emissions of greenhouse gases and thereby to mitigate climate change
- To increase prioritization of clean energy projects and promotion of policies that support renewable energy
- Faculty and students are to be encouraged to participate in annual solar energy and energy conservation training programs organized by TEDA and other agencies
- Workshops/Training programs are to be conducted to inculcate Energy Conservation (EC) awareness for students.
- Replacement of existing CFLs with LED lighting covering all places in phased manner
- To attempt waste to energy initiatives and include in curriculum
- Strengthening of existing rain water harvesting system to increase water storage
- Strengthen systems for monitoring air quality.

- Tree plantation drives are to be implemented periodically to increase the green shade around the campus, which reduces the heat island effect.
- To maintain cleanliness and waste disposal by placing cement bins (ban on plastic) at appropriate place around the campus.
- Carrying out Environmental awareness programmes for students and society through National Green Corps, NSS and other clubs in the Institution.
- Information and knowledge management to support mainstreaming national discussions on climate change adaptation.
- To make students aware of Climate change, can be incorporated in the curriculum
- Development of technical adaptation options on climate change.
- Commitments to reduction in GHG emissions and use of pedestrian friendly roads.

H. Mal 20/3/23

Head of the Institution

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