



## **SRI SHANMUGHA COLLEGE OF NURSING FOR WOMEN**

Approved by Government of Tamilnadu & TNNMC. Approved by Indian Nursing Council, New Delhi

Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai

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## **POLICY ON GREEN CAMPUS**

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### Green Campus Policy:

The country is currently experiencing a rapid increase in the private, public, and government sectors' involvement in large-scale development, such as townships, neighborhoods, educational and institutional campuses, medical institutions, hospitals, group housing, commercial complexes, etc. These developments must be based on "Green Campus" concepts to guarantee energy efficiency and environmental sustainability.

A green campus refers to an academic community that combines the best practices of environmental planning, resource conservation, energy efficiency, and habitat preservation with a focus on creating a healthy living environment, using renewable energy sources, waste management, water recycling, and other aspects of environmental quality. To the greatest extent feasible, the campus's buildings need to be designed using green building principles. The MNRE's numerous schemes will govern the construction of renewable energy projects and systems in these institutions.

The Ministry of New and Renewable Energy is constructing green townships and campuses as part of the "Development of Solar Cities Programme." A financial CFA for the development of a master plan and DPRs, encompassing the action plan for industrial towns, builders' and promoters' small townships, institutional campuses, industrial zones, and SEZs. Each new and existing small township or campus that has received proper notification or permission from the State/Local Authorities will be eligible to receive up to Rs. 5.00 lakh for the preparation of a Master Plan and DPR, which will include an action plan for installing renewable energy systems, creating green campuses, spreading awareness, offering trainings, and other related tasks. This will also hold true for the townships and campuses that exist now. The MNRE's numerous schemes will govern the

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construction of renewable energy projects and systems in these institutions.

The following recommendations may be considered when creating the green campus:

### A) FOR THE PROGRAMS OF MAKING THE EXISTING GREEN CAMPUS:

- i. Registered certified professionals should conduct the energy and water audits of the entire campus and establish the baseline for energy and water consumption.
- ii. Energy-efficient practices, such as the use of energy-star-rated equipment, improved power factor, variable frequency drive use, low-energy fixtures, energy-efficient pumps, energy-efficient motors and other equipment, energy-efficient street lighting systems with proper control, and other energy-efficient technologies, should be adopted and reflected in the proposed master plan.
- iii. Utilization of renewable energy system such as solar water heater, solar air conditioning, solar dryers, solar cookers, solar lantern, solar pumps, solar traffic signals, battery operated vehicle, hybrid systems etc. should be explored.
- iv. Rooftop solar power systems, ideally connected to the grid, ought to be installed on campus buildings.
- v. By utilizing renewable energy applications and implementing appropriate energy conservation and efficiency measures, a master plan for the entire campus should be created with the goal of reducing the overall amount of energy derived from fossil fuels by 25% over the course of the next five years.
- vi. Rooftop solar power systems, ideally connected to the grid, ought to be installed on campus buildings.

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- vii. By leveraging renewable energy applications and implementing appropriate energy conservation and efficiency measures, a master plan for the entire campus should be created with the goal of reducing the overall amount of energy derived from fossil fuels by 25% over the course of the next five years.
- viii. According to MNRE and BEE guidelines under various schemes, the master plan should be site-specific and include a minimum of five implementable, detailed project reports. The master plan must be prepared and submitted with an audit report.
- ix. The campus should host a training session or awareness campaign about the uses of renewable energy sources and appropriate energy-saving and energy-efficient practices.
- x. The report should investigate and include appropriate architectural retrofit options for the building envelop (floor, roof, walls, etc.) and energy-efficient window glasses.  
Redesigning the outside surfaces of the buildings with materials that are energy-efficient could be a possibility to investigate.
- xi. Any additional creative steps that need to be taken to make the current campus greener.

### B) FOR DEVELOPMENT OF NEW CAMPUS AS GREEN CAMPUS

- i) A campus would not be considered green if only green buildings were constructed; it would also need to be sustainable.
- ii) A green campus ought to take the best course for:
  - population density in relation to land use
  - Horizontal or vertical expansion Infrastructure,

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- such as incline roads Transportation (fewer cars and more walkability)
  - Water conservation, waste management, energy conservation, and
  - the use of renewable energy
- iii) Every building on campus could be a green building, ideally with a rating system. In style, such as GRIHA, LEED India, ECBC-compliant structures, etc.
- iv) By employing renewable energy applications and implementing appropriate energy conservation and efficiency measures, a master plan should be created for the entire campus with the goal of reducing the overall amount of energy derived from fossil fuels by 25% over the course of the next five years.
- v) According to MNRE and BEE guidelines under various schemes, the master plan should be site-specific and include a minimum of five implementable, detailed project reports.
- vi) The ideal floor area ratio, soil erosion control, and prevention of air and natural water body contamination should all be included in the campus master plan. It is important to preserve the natural water bodies and trees, so a layout plan should be created.
- vii) In order to reduce the amount of land used for land use and excessive motorized transportation, as well as the needless construction of roads, electricity cables, and sewage and water lines, dense planning may be preferred over dispersed layout.
- viii) Most of the land should be designated as a green belt in accordance with existing regulations. This should involve planting trees and protecting water bodies, conserving the natural topography, rehabilitating and repurposing contaminated areas, and cultivating a variety of crops, fruits, and vegetables, among other things, for domestic

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consumption.

- ix) To cut down on the use of fossil fuels, promote the use of bicycles, public transportation, and alternative fuel vehicles like CNG, biofuels, electric cars, solar cars with charging stations, and CNG. In actuality, fossil fuel cars ought to be kept out of campus and parked as close to the entrance as feasible.
- x) Every point in the layout should be accessible, to the greatest extent feasible, by foot from every other point. Additionally, sidewalks and pathways through trees would need to be shaded, and appropriate streetlight design would be needed to achieve the ideal nighttime light level.
- xi) Maximize parking by installing underground parking systems; ideally, these should be close to gates, and the cycle path should be prioritized whenever feasible.
- xii) Water conservation techniques, such as rainwater collection, the use of energy-efficient plumbing fixtures, and waste water recycling, ought to be incorporated into the layout and design of buildings.
- xiii) Energy-saving steps should be implemented, such as installing an energy-efficient pumping system, low-energy lighting fixtures, energy-efficient motors, and other equipment.
- xiv) It is recommended to use renewable energy sources as much as possible, such as solar air conditioning, solar-powered vehicles, solar-powered dryers, solar-powered lanterns, solar-powered traffic signals, and solar-powered water heaters. For hostels, hospitals, etc., solar water heaters and cooking systems are required. Solar water heaters are required in all residence halls, kitchens, and dormitories on campus, including multi-story

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- buildings. The technology for producing biogas from the kitchen waste on campus should be applied, and the resulting gas can be used for cooking or to generate electricity.
- xv) Renewable energy technologies, especially solar energy, should ideally power all common lights as well as interior, outdoor, and street lighting.
- xvi) Solar passive architecture should be used for buildings with a low air conditioning load, and it is important to make sure that HVAC systems are installed with optimal ventilation.
- xvii) Waste management should be implemented in order to achieve zero waste in institutions. For example, all waste generated on campus—from residence halls, kitchens, markets, and other sources—should be converted into energy using waste-to-energy technologies and used for beneficial purposes on campus. Hostels, kitchens, and water systems can all be powered by this biogas
- xviii) Certified green building materials and environmentally friendly, recycled materials ought to be utilized in construction. xviii. To raise awareness about renewable energy applications and appropriate steps for energy efficiency and conservation, a training workshop or awareness campaign should be held on campus.

  
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Lr.No:092/SSECT/CIRCULAR/2023

DATE: 29.11.2023

## CIRCULAR

This circular is to inform all the students and staffs that due to highways work all the staffs, students and their vehicles are instructed to use the main gate for Entry & Exit.

All the vehicles (Two-wheeler, four-wheeler & College buses) are advised to enter the Main gate and reach the parking through back gate. Kindly note that back side main road is not accessible due to highway work.

Until the further notice, please use only the main gate for entry and exit purpose. Backside road is closed from today evening (29.11.2023) to Sunday (02.12.2023). It is applicable for all the students and staffs using college buses & own transport.

Parking place remains the same (Above backside gate), only the entry & exit is changed. Please contact the below number for any clarification.

Administrative Officer

7200 567814

8610091549



  
Chairman

CHAIRMAN  
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Copy to:

1. Principal's of all the Institutions
2. HoD's
3. Teaching & Non-Teaching Staff
4. To be circulated to all the classes

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