

## **Guidelines on Power Requirement Planning**

17.03.2016

### **1.0 Preamble**

The electrical power consumption of the University has increased considerably over the years and is continuing to be on the raise. The budget requirement for EB bills and the Diesel Generator bills has increased substantially. The government of India is also encouraging investments on renewable energy sources. Hence it is necessary to have a clear policy to move away from the dependency on the Tamil Nadu Electricity Board and our conventional DG sets and become self-reliant for power requirements.

### **2.0 Objective and Scope**

To move towards self-reliance in power requirement by suitably investing in Solar, wind and Bio mass.

### **3.0 Policy Framework**

#### **3.1 Solar Power Planning**

- To have a 1 MW installed capacity by the year 2020
- To plan for 20% annual growth in terms of installed capacity
- To have thermal solar heaters for all new hostels and quarters buildings

#### **3.2 Wind Energy Planning**

- To complement the solar power requirement, to attain 1 MW of wind power capacity by buying / leasing wind power by the year 2020
- To plan for additional 100 % enhancement for every 3 year period
- To establish a micro wind plant in campus on experimental basis

### 3.3 Biomass

- To go for 200 kW Biomass based thermal power plant by 2020
- To plan for campus waste based biomass power generation system by 2025 so that there will be zero solid waste disposal

### 3.4 Electrification of Vehicles

- All institute operated vehicles inside the campus shall be battery operated by 2020
- All institute vehicles including buses and cars to be battery operated by 2025

### 4.0 Implementation

The Special Officer, Estates shall ensure the policy implementation and shall report the progress to the Vice Chancellor Periodically.



**REGISTRAR**  
Vellore Institute of Technology (VIT)  
(Deemed to be University under section 3 of UGC Act, 1956)  
Vellore-632 014, Tamil Nadu, India



**VIT**<sup>®</sup>

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**December 30, 2019**

**NOTE**

Sub: Guidelines on Power Requirement Planning - Modification – Reg.

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Subsequent to the “True Green” initiative launched by the institution, it is reiterated that, the general charter of “True Green” initiative shall be part of the guidelines on Power Requirement Planning.

**The charter is reproduced below :**

- Waste management: Refuse, Reduce, Reuse, Repurpose, Recycle
- E-waste management
- Awareness and capacity building on waste resource management
- Composting
- Water management
- Hygienic surroundings
- Green and Clean environment
- Soil conservation
- Reduction of Pollution

Further details including Mission and Goal can be accessed from

<https://vit.ac.in/true-green>

  
**REGISTRAR**

To

1. Director- Estates
2. All Deans & Directors

CC To  
Vellore and Chennai Core Group