



# TECHNO INDIA NJR INSTITUTE OF TECHNOLOGY

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## ENERGY POLICY

Over the past two decades, India has made incredible strides in improving access to reliable and affordable energy that is critical for economic growth. Hundreds of millions of households have been connected to the electricity grid for the first time. But the growing demand for energy in India has largely been met by abundant, inexpensive, and highly-polluting coal. As a result, India is now the fastest growing carbon emitter in the world, and annual concentrations of particulate pollution have increased by 60 percent between 2000 and 2016. These pollution and carbon emissions will only grow as hundreds of millions more citizens gain access to reliable electricity.

Hence it is responsibility of technical institute too to frame and obey the policy of its own.

The broad scope of work for the energy policy is –

1. Quantitative and qualitative study of all components of energy payable
2. System network, rating /capabilities, operational pattern and energy metering systems
3. Study of capacitor banks positioning , adequacy, energy dissipation in capacitor banks and measures to minimize losses
4. Analysis for performance of connected /drive equipment in respect of energy consumption and output
5. Suggestions /measures to reduce transmission losses, distribution feeder losses
6. Proper usage of equipment like transformer, air conditioner etc

### **Actions taken in 2019-20**

- Increase solar power generation (50 KW to 100 KW)
- Monitor energy consumption through smart meters
- Use of 1000 power consumption equipments like LED bulbs, solar street lights etc.

For Techno India NJR Institute of Technology

  
(Prof. Prasun Chakrabarti)  
Provost