

Energy Conservation:

Energy has always been a vital resource in the development of any nation. The prosperity of a nation is measured in terms of per capita energy consumption. Energy conservation is to monitor energy consumption in different sectors such as industrial, commercial, Domestic, Transportation, Public Lighting, etc, and to pin-point sources of wastage,

The State of Andhra Pradesh is experiencing severe power shortage for the last few years due to drastic decrease in the availability of fuel. In order to enhance awareness about Energy Conservation measures among the Consumers and for effective monitoring of Energy Conservation & Efficiency activities in the State, the State Government has constituted the State Energy Conservation Mission (SECM), to be headed by the Chief Secretary of GoAP, vide Go.Ms No 38 dated 26-09-2012. The State Government has also constituted District level Energy Committees under SECM to be headed by District Collector, vide GO.Ms No 11 dated 18-02-2013. Copies of GOs can be accessed here.

In exercise of the powers conferred under clause (d) of section 15 of the Energy Conservation Act 2001, (Central Act No.52 of 2001), the Government of Andhra Pradesh has designated the New and Renewable Energy Development Corporation of Andhra Pradesh Ltd (NREDCAP) as "The Designated Agency" to coordinate, regulate and enforce the provisions of the aforesaid Act, and also for implementation of the Schemes under the said Act within the State of Andhra Pradesh as per Go.Ms No. 145 Dated: 30-12-2002.

Role of Designated Agency

- Role of State Governments has been clearly defined in Section 15 of EC Act
- State Governments have to designate agencies in consultation with Bureau
- Designated Agencies will have the responsibility to implement the Act within the State
- Power for inspection has been assigned under Section 17.

The website of the State Designated Agency is www.nedcap.gov.in

The Government of India set up Bureau of Energy Efficiency (BEE) (Website: <http://www.bee-india.nic.in>) on 1st March 2002 under the provisions of the Energy Conservation Act, 2001. The mission of the Bureau of Energy Efficiency is to assist in developing policies and strategies with a thrust on self-regulation and market principles, within the overall framework of the Energy Conservation Act, 2001 with the primary objective of reducing energy intensity of the Indian economy. This will be achieved with active participation of all stakeholders, resulting in accelerated and sustained adoption of energy efficiency in all sectors.

Role of BEE

BEE co-ordinates with designated consumers, designated agencies and other organizations and recognize, identify and utilize the existing resources and infrastructure, in performing the functions assigned to it under the Energy Conservation Act. The Energy Conservation Act provides for regulatory and promotional functions.

Regulatory:

- The Major Regulatory Functions of BEE include:
- Develop minimum energy performance standards and labelling design for equipment and appliances
- Develop specific Energy Conservation Building Codes
- Activities focusing on designated consumers
- Certify Energy Managers and Energy Auditors
- Develop specific energy consumption norms
- Accredite Energy Auditors
- Define the manner and periodicity of mandatory energy audits
- Develop reporting formats on energy consumption and action taken on the recommendations of the energy auditors

Promotional:

The Major Promotional Functions of BEE include:

- Create awareness and disseminate information on energy efficiency and conservation
- Arrange and organize training of personnel and specialists in the techniques for efficient use of energy and its conservation
- Strengthen consultancy services in the field of energy conservation
- Promote research and development
- Develop testing and certification procedures and promote testing facilities
- Formulate and facilitate implementation of pilot projects and demonstration projects
- Promote use of energy efficient processes, equipment, devices and systems
- Take steps to encourage preferential treatment for use of energy efficient equipment or appliances
- Promote innovative financing of energy efficiency projects
- Give financial assistance to institutions for promoting efficient use of energy and its conservation
- Prepare educational curriculum on efficient use of energy and its conservation
- Implement international co-operation programmes relating to efficient use of energy and its conservation

The website of the bureau is www.beeindia.in

The Energy Conservation Act, 2001