

Overview of the Strategic Energy Conservation Plan

The MEDA Strategic Energy Conservation Plan has been developed as a blueprint for energy conservation activities in the State of Maharashtra, consistent with MEDA's responsibilities as the designated agency for the implementation of the Energy Conservation Act 2001 and the needs to develop mechanisms to balance the State's electricity supply and demand.

Objectives

The major objectives of the Strategic Energy Conservation Plan are to:

- Achieve substantial reductions in energy consumption and peak loads
- Balance energy supply and demand with maximum resource efficiency and reduce power shortages
- Create macro-economic and fiscal benefits to the state
- Implement cost-effective programs to enhance Energy Efficiency (EE) and Load Management (LM)
- Provide consumer information and education
- Promote private sector activities for implementation of energy conservation programs
- Protect and enhance the local, national and global environment
- Reduce long-term cost of electricity
- Reduce capital requirements for capacity expansion

Energy Conservation Plan includes the following key elements:

- Statutory responsibilities of MEDA under the EC Act
- Implementation of a set of Energy Conservation Programs
- Establishment of an Energy Conservation Fund
- Development of databases and promotional campaigns
- Capacity building for development, implementation and evaluation of energy conservation programs

Energy Conservation Programs

To achieve the objectives of the Strategic Energy Conservation Plan, MEDA has developed and will implement a set of proactive energy conservation programs. These programs will be implemented in cooperation with relevant state government agencies and the private sector. MEDA has developed the preliminary designs of 11 energy conservation programs, list of program as follows

1. **Home Bright** : Residential high efficiency lighting program (Replacement of Incandescent Lamp by Compact Fluorescent Lamp (CFL))
2. **Agricultural Efficiency**: Energy efficiency improvement in agriculture (installation of Capacitors)
3. **Bright Streets**: Municipal Street Lighting Program using advanced technology
4. **Municipal Energy Efficiency program**: Improvement of energy efficiency in municipal pumping and street lighting
5. **SME Program**: Energy efficiency improvement in small and medium enterprises
6. **Public Buildings Partnership Program**: Energy efficiency implementation in public buildings using ESCOs as the implementing mechanism

7. **Green Buildings Program:** Cooperate with existing Green Buildings Center; construct one or two new Green Buildings in Maharashtra
8. **Solar Water Heating:** Solar Water Heating Program
9. **Work Bright Program:** Commercial High-Efficiency Lighting Program
10. **Motor RE-Power:** High Efficiency Motor Rewinding Program
11. **EE Financing:** Financing of energy efficiency improvement using the Energy Conservation Fund.
12. **Awareness program:** Awareness on Energy Conservation and Electrical Safety