

BEACON

BUILDING ENERGY AWARENESS ON CONSERVATION

KNOWLEDGE

IS

POWER.

SPREAD

IT!



SCHOOL EDUCATION
PROGRAMME BY



Bureau of Energy Efficiency

IMPLEMENTED BY

teri

The Energy and Resources Institute

There is a need to make the future generations aware of the issues and options concerning modest and efficient use of energy resources, particularly in the Indian context. The current situation is bleak and there is an urgent need to put efforts into energy conservation.

If the demand for energy increases from 570 billion kWh (kilowatt hour) (2001/02) to 782 billion kWh (2006/07), the government foresees an inevitable investment of 5750 billion rupees in power generation, transmission, and distribution!

Children are the future consumers. It is, therefore, essential to introduce them to these concepts during their school education. Sensitizing children will help provide a valuable link to advocate energy conservation skills into the society through their immediate families.

Tips on energy conservation

Here are a few simple, yet effective tips that you could use to conserve energy.

- Switch-off lights, fans, and other electrical appliances when not in use.
- Place frozen food at room temperature, before heating.
- Wash only when the machine has a full load. Use cold water to wash.



- Avoid the use of a personal vehicle for short distances. Walk instead, it is healthier!
- Maintain car pools when possible. This is a surer way to gain fuel efficiency.
- Use electrical appliances like geysers and immersion rods, judiciously.



- Do not use electrical appliances with heavy load at the same time.
- Use CFLs (compact fluorescent lamps) – these are energy-efficient lights – in place of incandescent bulbs.
- Replace defective electrical points and switches—avoid loose contacts.
- Use LPG (liquefied petroleum gas) efficiently by using a pressure cooker instead of direct boiling.
- Do not use ACs (air conditioners) during peak hours to avoid load shedding.



About the programme

Wise and efficient use of energy will not only save us money on energy bills but also ensure that the depleting natural resources last longer.

As per the Energy Conservation Act, 2001 the mandate of the BEE (Bureau of Energy Efficiency) is to

- 'institutionalize' energy efficiency services,
- enable delivery mechanisms in the country and
- provide leadership to energy-efficiency in all sectors of the country.

BEE plans to integrate the concept of energy conservation and resource management into the school curriculum and associate teachers for the development of a course curriculum.

The focus of the programme

Creating awareness about energy conservation among students is a key issue that BEE is addressing through a pilot project involving 30 schools in Delhi. The project activities revolve around the development of a national curriculum on energy, and an awareness-building programme through publications and a series of events and competitions on energy-related issues. The entire programme is being implemented by TERI; the duration for which is 12 months.

The issues that the programme aims to address are

- Consumer behaviour
- Demand and consumption patterns
- Energy-efficient devices
- Tips on energy conservation

Programme milestones

- Selection of schools and introduction of the project through 'energy clubs'
- Setting up of a Project Steering Committee
- Formation of core advisory groups to initiate action on the development of a curriculum
- Development of energy curriculum for introduction in schools at the middle-level classes (classes 6–9)
- School-based events and competitions
- Development, maintenance, and dissemination of energy-related resource material
- Regular updates about the programme on the web



People who will be part of the programme

- Students, teachers, and principals
- Officials from the NCERT, CBSE, and related ministries
- Media
- Subject experts

Looking ahead...

This is an innovative programme addressing the need for awareness on energy conservation within the school network through both formal and non-formal approaches. The programme scope can be listed at a glance as

- impact on schools through curriculum and awareness
- linking of energy conservation to sustainable development
- capacity building of teachers and students about issues related to energy conservation
- development of a draft energy curriculum
- development of study materials on energy for schools to supplement classroom learning.



About TERI

TERI is a non-governmental organization working in the fields of energy, environment, and sustainable development since 1974. What sets TERI apart is the fact that besides research, it has been actively involved in educating and imparting information to the public. The Environmental Education and Awareness area of TERI has been promoting this concept and working with schools by sensitizing children and instilling values on the environment. For more information, log on to TERI's web site <www.teriin.org>.

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