

BEE's Energy Efficiency Programme for SMEs



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Objectives

- ❑ To reduce the energy intensity of the Indian economy by undertaking actions in the SME sector
- ❑ To accelerate the adoption of EE technologies and practices in chosen clusters/sectors in the SME sector through knowledge sharing, capacity building and development of innovative financing mechanisms

Program Activities in XI Plan

Activity 1

- Current Energy use and technology analysis
- Outcomes are energy audit reports & cluster manuals

Activity 2

- Capacity building
- Outcomes would be information dissemination workshop, identification of LSPs and for finalisation technologies for DPR preparation

Activity 3

- Implementation of energy efficient measures
- Outcomes would be 375 DPRs, identification of LSPs project wise, Capacity Building of LSPs, etc

Activity 4

- Facilitation of innovating financing schemes
- Outcomes would be arrangement with financing institutions to fund EE projects, capacity building of bankers, project impact and future roadmap

Project Update

- 1250 comprehensive Energy Audits conducted.
- Total energy consumption in selected 25 clusters is estimated to be about 5.6 MTOE.
- Energy saving potential of 0.82 MTOE in 25 SMEs clusters which is 15% of the total energy consumption.
- Total energy saving potential is estimated to be Rs.1400 Cr in 25 SMEs clusters
- Total investment required to achieve the saving is estimated to be Rs. 3388 Cr in 25 SMEs clusters
- Simple payback period is estimated to 2.4 years only
- Facilitated implementation of more than 500 energy efficient technologies in 25 clusters



Way ahead

Proposed activities in XII Plan

1. Sector specific approach for energy efficiency and technology up-gradation through implementation of DPRs
 - Selection of energy intensive sectors
 - Demonstration of common technologies
 - Region wise information dissemination with the support of state designated agencies for uniformly and timely support for replication of the technologies.

Proposed activities in XII Plan..

2. Energy mapping of the targeted SME Sector on all India basis
 - It is proposed to initiate the activity on energy mapping of the SMEs on pan India basis which can be further classified on a region-wise/ sector-wise/ product-wise basis.

Proposed activities in XII Plan..

3. Undertaking of Innovative Financial Schemes for adoption of EE Technologies in the SMEs
 - Creation of a revolving SMEs fund to support SMEs
 - Partial risk guarantee fund is to be used for implementation of technologies under ESCO model.

Proposed activities in XII Plan..

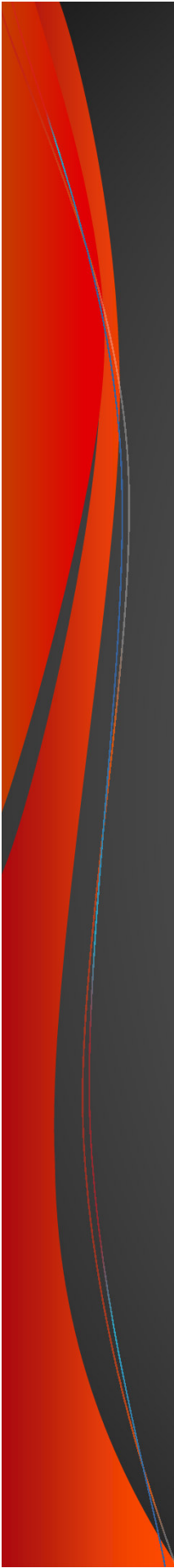
4. Technical assistance and capacity building

- Development and dissemination of need specific technical assistance and capacity building material.
- Preparation of audio visuals of best operating practice for operators and supervisors.
- National Level workshops for demonstration of technologies adopted under this scheme.

Proposed activities in XII Plan..

5. SMEs Product Labelling Promotion Scheme

- Identification and selection of the clusters involved in the production of equipment/appliances covered under the mandatory or voluntary categories energy star labeling scheme of Bureau of Energy Efficiency.
- Develop product wise subsidy for the application/labeling fee for rapid promotion of their products.
- Promotion of testing facilities at cluster level/district level.



Thank you !

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