

Proceedings and outcomes of 4 training/capacity building workshops Coimbatore Foundry Cluster

Capacity Building of Local Service Providers (LSPs)

GEF-UNIDO-BEE Project Promoting Energy Efficiency and Renewable Energy in selected MSME clusters in India

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Abbreviations

BEE	Bureau of Energy Efficiency
COINDIA	Coimbatore Industrial Infrastructure Association
EE	Energy Efficiency
GEF	Global Environment Facility
LSP	Local Service Provider
MSME	Micro, Small & Medium Enterprises
RE	Renewable Energy
TERI	The Energy and Resources Institute
UNIDO	United Nations Industrial Development Organization

1.0 Introduction

The overall aim of the GEF-UNIDO-BEE project is to develop and promote a market environment for introducing energy efficiency and enhancing the use of renewable energy technologies in process applications in selected energy-intensive MSME clusters in India. This would help in improving the productivity and competitiveness of the MSME units, as well as in reducing the overall carbon emissions and improving the local environment.

The specific objectives of the capacity building of LSPs assignment are the following:

- Increase capacity of technology and product, service providers and finance providers
- Facilitate to enhance the demand and implementation of EE & RE technologies and practices by MSMEs
- Scale up to national level
- Strengthen policy, institutional and decision making frameworks

Under the GEF-UNIDO-BEE Project 'Promoting Energy Efficiency (EE) and Renewable Energy (RE) in selected MSME clusters in India', TERI had submitted a proposal for undertaking Capacity building of Local Service Providers (LSPs) to BEE. A contract for providing the consultancy services for ceramic and foundry sectors was awarded to TERI by BEE in September 2017.

The following three foundry clusters are targeted under the project:

- Coimbatore
- Belgaum
- Indore

The following three ceramic clusters are targeted under the project:

- Thangadh
- Morbi
- Khurja

The proceedings and outcomes of 4 training/capacity building workshops held at Coimbatore foundry cluster is provided in this report.

2.0 Training/capacity building workshops conducted

Based on the training needs assessment conducted in the cluster, four topics for training were identified. The topics identified for training are given in table 2.1.

Table 2.1: Topics identified for training

S.No.	Topics
1	Energy conservation
2	Pollution control system
3	Lean manufacturing
4	Sand preparation

Detailed training modules, were prepared for each of the topics. Particular care was taken to keep the training modules simple and practical. Customisation of the training modules as per the need assessment of the beneficiaries was done. The focus of the training modules was on practical rather than on theoretical aspects.

After preparation of the training modules, four training/capacity building workshops were conducted in the cluster between February 2018 and April 2018. The workshops dates, venue and number of participants are summarized in table 2.2.

Table 2.2: Workshops held in Coimbatore cluster

S. No.	Date	Topic	Venue	No. of participants
1	9 th Feb 2018	Energy Conservation	COINDIA, Coimbatore	50
2	2 nd March 2018	Pollution control system for Foundry Industry	Coimbatore PSG iTech College, Coimbatore	53
3	21 st March 2018	Lean Manufacturing	IIF-Coimbatore Chapter, Coimbatore	60

S. No.	Date	Topic	Venue	No. of participants
4	10 th April 2018	Sand preparation, moulding and regeneration	SIEMA Building, Coimbatore	63

The proceedings of each of the workshops are provided in Annexure.

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3.0 Principal outcomes

The principal outcomes of the workshops are the following:

3.1 Knowledge, skills and practical knowledge on EE technologies and practices developed

Capacities of a total of about 226 LSPs were developed on EE technologies and practices in the cluster through the four training programs conducted by TERI. The training as well as the detailed training modules shared with the participants has helped to improving the technological capacity of the cluster on energy efficiency fields.

3.2 Key learning's by participants

A quick evaluation, through structured feedback forms, of the training were taken from the participants after each of the capacity building workshops. All the workshops were very highly rated by the participants as well as the cluster level industry association. The participants were asked to provide their feedback on the usefulness of the training material, overall program and industrial site visit. A detailed analysis of the feedback forms, specific suggestions and key learning's by the participants, for each program is provided in the proceedings provided in Annexure.