

Donor country Switzerland			
Project/programme title Competence network for Small and Micro Learning Enterprises (CoSMiLE) India			
Purpose Improve the economic, environmental, and social conditions of entrepreneurs and workers of medium, small and micro enterprises (MSMEs) Increased adoption of resource-efficient technologies and knowledge-sharing to enhance competitiveness of the targeted MSMEs.			
Recipient country India	Sector MSMEs in energy intensive sectors (foundry, glass, brick, thermal and power gasifiers)	Total funding CHF 7 million	Years in operation since 2002
<p>Description</p> <p>In many energy-intensive industries among MSMEs which use commercial fuels like coal, oil and gas, energy cost accounts for up to 20-50% of the total cost of production. Energy efficiency is at the centre stage for improving the competitiveness and reducing carbon emissions of MSMEs. The overall objective of CoSMiLE is to ensure efficient use of energy in these enterprises by adoption of energy efficient technologies and improvement in operating practices. CoSMiLE is a dynamic and informal grouping of actors consisting of owners and workers of small and micro enterprises, service providers like masons, contractors, fabricators, and local experts, and stakeholder institutions like industry associations, government departments, NGOs, financing institutions, and academic and research institutions. CoSMiLE provides services in technology development, technology dissemination and capacity building:</p> <p>Technology development: The technologies in vogue in the small scale sector are usually inefficient, but often require only small changes to transform them into proper designs for saving energy. Under the umbrella of the CoSMiLE initiative, several technologies in different sectors are developed (refer to technology transferred below).</p> <p>Technology dissemination: The CoSMiLE network provides technical support for implementation of economically attractive, energy efficient and environment-friendly technologies. Regional level workshops/seminars and one-to-one interaction with the target group are organized in order to sensitize the entrepreneurs about the technologies.</p> <p>Capacity building: Capacity building of partners and providing technical back-up or support to them is one of the major activities under the programme. The programme is developing physical or virtual platforms at different levels for exchanging information and experience among various participants. CoSMiLE provides multi-stakeholder dialoguing platforms on various issues such as technology, policy (e.g. facilitating inclusion of cleaner production initiatives in the global climate protection framework), and social sensitivity.</p>			
<p>Indicate factors that led to project's success</p> <p>Holistic approach including development and dissemination of technologies and capacity building: Technologies are integrated in a social context and allow multiple benefits (e.g. improved working conditions for the workforce, better quality of life etc.).</p> <p>Attractivity of disseminated technologies: Most CoSMiLE technologies have a payback period of less than two years, product quality has been good and rate of rejection has gone down in most cases.</p> <p>Sensibilisation: A large number of entrepreneurs from MSMEs have realized the importance of investing in cleaner technologies.</p> <p>Learning orientation of the network has allowed formation of partners from different institutions.</p> <p>Potential for replication: The cleaner technologies demonstrated in various MSME sectors in India have good potential to be replicated in other developing countries (south-south cooperation).</p>			
<p>Technology transferred</p> <p>Holistic package, containing also social and economic components and strong capacity building elements</p> <p>Foundries: Divided blast cupola for grey iron melting; pollution control systems</p>			

Bricks: Setting up of vertical shaft brick kilns
Glass: Energy efficient pot furnaces for glass melting
Biomass gasifiers for a wide variety of thermal applications

Impact on greenhouse gas emissions/sinks

Until 2008 CoSMiLE interventions have achieved cumulative CO₂-reductions of 340,000 tonnes