

Promoting Cleaner Technologies in SMEs

Energy-intensive small and medium-sized enterprises (SMEs) generate high volumes of CO₂, mainly because they continue to depend on traditional inefficient technologies. Hence the SME sector offers considerable potential for reducing India's GHG emissions through the introduction of new, cleaner low carbon technologies (LCTs).

TERI has successfully implemented a number of projects focusing on technology demonstration, knowledge sharing/capacity building, energy audits and implementation support and policies (e.g. innovative financing model like ESCOs) among SMEs with support of World Bank, UNIDO, BEE, SIDBI, Swiss Agency for Development and Cooperation (SDC), Shakti Sustainable Energy Foundation, IEEJ and IGES.

IGES and TERI have partnered in a four-year project (2010–2014) under the Science and Technology Research Partnership for Sustainable Development (SATREPS) program with support from Japan Science and Technology Agency (JST) and Japan International Cooperation Agency (JICA). The project focused on demonstration of technologies (both hard and soft) and capacity building. Subsequently, a B2B matching model called Japan-India Technology Matchmaking Platform (JITMAP: <http://www.jitmap.org/>) was initiated to further enhance technology cooperation between Japan and Indian businesses. IGES and TERI, together with their partners from Japan and India, are well positioned to facilitate successful LCTs transactions between Japan and India.

Given the backdrop, the objectives and key discussion points for the session are the following:

Objectives

- Share information on energy saving projects undertaken among SMEs with respect to approaches, technologies, policies and impacts
- Discuss design of a new multi-year project to further accelerate the implementation of LCTs among SMEs

Key discussion points

- What were the key lessons learnt from energy efficiency initiatives undertaken among SMEs
- Recommendations on elements (e.g. geographical focus, sectors, technologies, partners etc) on framing of a new multi-year project to promote LCTs among Indian SMEs.