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Promoting Energy Efficiency in SME Sector in Vietnam

With the *United Nations Development Programme (UNDP)* and the *Global Environment Facility (GEF)* assistance, IIEC has completed a comprehensive capacity building program in Vietnam focusing on the small and medium enterprise (SME) sector under the “**Promotion of Energy Conservation in Small to Medium Scale Enterprises (PECSME)**” project. The project was targeted in five industries - Brick, Textile, Pulp & Paper, Ceramics and Food Processing. The project goals include reduction of production costs of 10-15% in addition to GHG emission reduction resulting from energy savings.



Investment Grade Energy Audits Training in Hanoi, Vietnam

The emphasis was on building the capacity of the Energy Efficiency Service Providers (EESPs) and Financial Institutions in Energy Efficiency (EE) program design, implementation and monitoring & verification of savings. The scope included both electricity and thermal systems; and project finance assistance was provided by GEF in the form of a Loan Guarantee Fund. Training programs in EE project development were conducted in Hanoi and Ho Chi Minh City attended by participants from all Provinces. The training included the conduct of Investment Grade Energy Audits and assistance in packaging project proposals for project funding.

For more information, contact Felix Gooneratne at fgooneratne@iiec.org

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India Launches the First DSM Center at Karnataka

IIEC has collaborated with the Bangalore Electricity Supply Company (BESCOM) to launch the first Demand Side Management (DSM) Center in Bangalore. This **Karnataka DSM Center** housed at BESCOM is the first by a public sector distribution company, and was established jointly by Karnataka Power Transmission Company Limited (KPTCL) and ESCOMs. Inaugurated in November 2007 by Sri Dilip Rau, I.A.S., Additional Chief Secretary and Principal Secretary, Energy Department, Government of Karnataka, the Center aims to increase awareness of energy

conservation among its consumer base.

The **DSM Center** will have a permanent product exhibition on efficient lighting, pumping, water heating, air-conditioning, and refrigeration. The Center has invited private sector participation and has made a good beginning with product display kiosks of Philips Electronics India Ltd, Osram India Ltd, KSB Pumps Ltd, Crompton Greaves Ltd and Conzerv Systems Private Ltd. In addition, IIEC will be involved in the design and implementation of other DSM Center activities including training and capacity building programs, and setting a DSM and energy conservation helpline to inform consumers on possible options, benefit costs of technologies. The Center will actively involve consumers, citizens, welfare associations, suppliers, academia and researchers in its activities.

For more information, please visit www.iiec.org/dsmcenter or send your queries to dsmcenter@iiec.org.

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Lao Public Sector Buildings Go Energy Efficient

Under the **Demand Side Management/Energy Efficiency (DSM/EE) Phase I** Project funded by the *World Bank/GEF*, the *DSM Cell of Electricite du Laos (EdL)* with technical assistance from IIEC has successfully implemented low-cost energy efficiency measures in 4 public sector buildings in Vientiane, capital of Lao PDR. The initial monitoring results show 5-10% saving with less than 3 years payback. The success of these energy efficient measures was proclaimed to all ministries and public sector agencies in Lao PDR through an official launch of the public sector awareness campaign, organized on April 29th, 2008 at Lane Xang Hotel in Vientiane.



Official Launch of Public Sector Energy Efficiency Program in Vientiane, Lao PDR

The launching event was opened by H.E. Somboun Lachasombat, Deputy Minister of Ministry of Energy and Mines. EdL's General Manager, Mr. Khammany Inthirath, and the World Bank's Senior Energy Specialist, Mr. Jie Tang, also gave welcome remarks in the event. The official launch was attended by more than 50 representatives from ministries and public sector agencies in Lao PDR. Following the event, DSM Cell will continue the implementation of low-cost energy efficiency measure and the awareness campaign in close coordination with all ministries and government agencies.

For more information, please visit www.laodsm.net or contact Sommai Phon-Amnuaisuk at sphonamnuaisuk@iiec.org.

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Enhancing Renewable Distributed Generation in Cambodia



IIEC has recently been engaged by *Rural Electrification Fund (REF)* of Cambodia, to **promote off-grid and mini-grid renewable energy for rural electrification** throughout the country. The project aims at enhancing awareness and knowledge of Rural Electricity Enterprises (REEs), small-scale utilities with generating capacity from 20kW to 2MW, on potential and utilization of renewable energy resources in Cambodia. The project also targets at promoting Solar Home Systems (SHS) to individual households and other potential end-users. These promotional efforts will serve as one of the key strategies and actions for the Royal Government of Cambodia (RGC) to achieve at least 70% of all households with access to grid quality

electricity by the year 2030.

REF currently provides grant assistance to REEs for new connections and development of renewable energy technology power plants, and Solar Firms for supplying SHS for households in rural areas. More information of the REF Grant Program is available at REF website (www.ref.gov.kh). IIEC is now conducting market assessments and surveys on potential renewable energy resources and technologies as well as awareness and knowledge of target audiences on renewable energy and REF Grants. IIEC aims to complete the assessment in the third quarter of

2008 and begin the promotional campaign in the last quarter of 2008.

For more information, please contact Sommai Phon-Amnuaisuk at sphonamnuaisuk@iiec.org.

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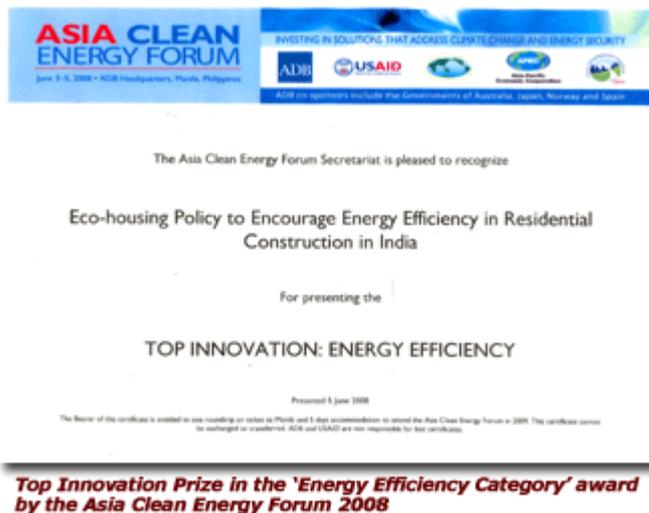
Eco-housing Program Wins Award at Asia Clean Energy Forum



The Eco-housing program won the Top Innovation Prize in the **'Energy Efficiency Category'** at the Asia Clean Energy Forum held in Manila, Philippines on June 5th, 2008. This IIEC and USAID program in India showcased the unique policy and market development approach used to encourage the wider adoption of energy efficiency practices in the residential sector.

The [Eco-housing assessment criteria](#), a voluntary five star rating and certification mechanism, is central to all the policy interventions. The criteria includes a checklist of performance based and prescriptive measures that ensure resource conservation and energy efficiency during the life cycle of the project.

The program has seen the policy adoption at different levels – State, urban local body and financial institutions. The program is presently operational in three urban local bodies in the State of Maharashtra. Moreover, the Housing Policy of the Government of Maharashtra specifies the voluntary adoption of Eco-housing practices. **Version 2 of the Eco-housing assessment criteria** designed for the five climatic zones is being rolled out to facilitate program expansion across the country. Based on the policy interventions housing finance institutions like Bank of Maharashtra, ING Vyasa are offering mortgage interest buy downs and vendor financing to encourage the scale up of specific efficient technologies. At the same time, urban local bodies are incentivising both developers and consumers. The incentive (10 to 50% rebate) is linked to Eco-housing rating achieved.



To create permanency in program implementation and policy advocacy, the **Sustainable Building Technology Center (SBTC)** is being established with the support of the Pimpri Chinchwad Municipal Corporation (PCMC). This Center of Excellence will function as a hub to display, educate and test alternative construction techniques, eco-friendly products and technologies.

For more details on this initiative, please visit www.ecohousingindia.org or contact Veena Dharmaraj at vdharmaraj@iiec.org or sbtc@iiec.org.

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IIEC Starts with Tata Power

IIEC India has developed a remarkable niche in the implementation of Demand-side Management (DSM) area. With the inclusion of *Tata Power* – leading private sector electricity utility in India with distribution network in Mumbai, IIEC is marking its position as a leading provider of design and implementation support entity in the utility-specific DSM area. IIEC is supported by ABPS Infrastructure Advisory as its team member and several private sector technology providers in India including the Honeywell Technology Solutions Inc.'s Global Development unit in Bangalore. IIEC, with participation from its team, is designing a detailed load research activity to identify sectors and technologies and associated benefit-costs for utility, participants and total resources. Central to the design and implementation of this initiative rests development of unique partnerships with equipment and service providers and a monitoring & verification protocol that demonstrates demand and energy savings to be proven in the regulatory system. IIEC and its partners will develop the programs through the end of December 2008 with implementation of first few programs scheduled for early 2009.

For more details of this initiative, please contact Abhay Rajvaidya at arajvaidya@iiec.org.

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IIEC Designs Standard Offer Scheme for ESKOM

IIEC has been involved in the South African development process for over a decade. Partnership with *ESKOM* – a vertical utility involved in the generation and distribution system was recently revived through an effort towards setting up a **Standard Offer** process related to energy conservation technologies in the residential, commercial and industrial sector. IIEC collaborated with ESKOM through a contract with Delloitte & Touche, South Africa team to develop rationale towards implementing certain technologies that offer substantial energy savings benefits and are monitored through standard monitoring and verification protocols making the market-take-up much simpler. The strategy document in this regard is pending regulatory approvals with the market-face document concluded during the April – May 2008.

For more details of this initiative, please contact Mahesh Patankar at mpatankar@iiec.org or Nitin Pandit at npandit@iiec.org.

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IIEC Designs and Implements an Energy Efficient Lighting (EEL) Micro Financing Scheme



IIEC Philippines had been subcontracted to design and implement an **Energy Efficient Lighting (EEL) Micro Financing Scheme/ Business Financing Model**. Its goal is to promote EEL through consumer cooperatives, a sector noted to be effective distribution channel of consumer products in the Philippines. The expected output is a micro financing scheme / business model that will facilitate procurement and distribution of EEL products through the consumer cooperatives. The model is to be implemented in the three major islands in the country—Luzon, Visayas and Mindanao.

This subcontract is a component of the “**Philippine Efficient Lighting Market Transformation Project**” (**PELMATP**), a five year project implemented by the Government of the Philippines through the Department of Energy (DOE) to remove barriers to the widespread use of EEL systems in the country. PELMATP has several components addressing policy, institutional, information, and financial barriers. It is supported by the Global Environment Facility (GEF) through the United Nations Development Programme (UNDP).

For more information on the PELMATP, please visit <http://pelmatp.doe.gov.ph/> or contact Angelica Dealino at adealino@iiec.org.

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About IIEC

IIEC is a non-governmental (NGO), not-for-profit organization with offices in Africa, Asia, Europe, Latin America, and North America. It was established in 1984, to foster the implementation of energy efficiency in developing countries and countries in transition. IIEC has full time local staff in each of its offices that are well placed to contribute to programs due to their extensive exposure to energy, transport and environmental activities in the region and their understanding of cultural issues relevant to the countries. As an organization with proven technical capabilities, IIEC designs policies, implements programs, and supports institutions that mainstream energy efficiency in the entire value chain of energy systems and use. IIEC' s approach focuses on implementation, resulting in policies developed in partnership with key policymakers and industry in our target countries as well as the bilateral and multilateral institutions that help to shape energy policy and investment priorities globally.

Mission Statement

Apply global knowledge base and experience in energy conservation to customize local sustainable solutions that are replicable and adaptable, to make a global mainstream impact toward sustainable development and greenhouse gas emissions reduction.

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