



Partnership to Advance Clean Energy-Deployment (PACE-D) Technical Assistance Program

Background and Overview

USAID has a fifty-year partnership with the Government of India in the energy and power sector and has run several successful energy programs in India.

Carrying forward their partnership, the U.S. and India signed a Memorandum of Understanding on November 24, 2009, creating the Partnership to Advance Clean Energy (PACE) to enhance cooperation on clean energy. PACE has two interlinked components: a Research Component, known as PACE-R, and a Deployment Component, known as PACE-D. The PACE-D Technical Assistance Program, part of the overall PACE-D initiative, builds on USAID/India's previous energy programs and aims to help India in adopting energy efficient and renewable energy technologies, thereby reducing its emissions.

The five-year program will support Government of India and state institutions by providing technical and specialized assistance to formulate and implement policies and strategies for clean energy deployment. It will also focus on building capacity of technical and non-technical stakeholders through workshops and seminars; and link technology developers, energy users, industry organizations and potential financing sources with utilities, policy makers, research institutions and other stakeholders to expand clean energy deployment in India.



Launch event on July 31, 2012
From left to right: Mr. William Hammink, USAID/India Mission Director; Mr. Girish Pradhan, Secretary, MNRE; U.S. Ambassador to India Ms. Nancy Powell; and Ms. Jyoti Arora, Joint Secretary, MOP.

Photo credit: U.S. Embassy

Key Components

Improving energy efficiency: conserving energy/reducing the energy needed to provide goods and services.

Increasing renewable energy supply: increasing the amount of energy produced from renewable resources such as sun, wind and biomass.

Accelerating the use of cleaner fossil technologies: improving the efficiency of coal-based power plants.

Building the capacity of stakeholders: making technical and non-technical stakeholders aware of different clean energy technologies, provide training, and help knowledge transfer of best practices.

Facilitating financial closure of projects: developing innovative financing mechanisms and helping clean energy entrepreneurs secure

USAID/India's Energy Programs

Greenhouse Gas Pollution Prevention (GEP): USD 39.2m; 1995 - 2011.

Energy Conservation and Commercialization (ECO): USD 24.5m; 2000 - 2011.

Distribution Reforms, Upgrades & Management (DRUM): USD 18.8m, 2004 - 2014.

Water-Energy Nexus Activity (WENEXA): USD 5.9m, 2004 - 2011.

Community Development with Solar Energy Illumination: USD 0.45m, 2009 - 2011.

Whole of Government Approach

PACE is an interagency effort. Different U.S. agencies such as U.S. Trade and Development Agency (USTDA), U.S. Department of Energy (DOE), U.S. Department of State (DOS), Overseas Private Investment Corporation (OPIC) and Export-Import Bank of the United States (Ex-Im Bank) are working in India on different clean energy initiatives under PACE.

Ex-Im Bank is one of the largest financiers of renewable energy projects in India, with an aggregate value of over USD 350 million, supporting 238 MW of generation since January 2011. In addition, the bank has nearly USD 100 million (600 MW) of solar energy transactions in India under consideration. OPIC has approved/committed USD 741 million to clean energy projects in India since 2009 and leveraged an additional USD 825 million in private debt and equity.

The PACE-D TA Program, via the Secretariat, provides support to these agencies, in line with the U.S. Government's "Whole of Government" approach to program implementation. The Secretariat aims to help maximize the resources for clean energy deployment, leverage common elements to improve effectiveness and avoid duplication of efforts.

Implementation Partners

Nexant, Inc. has been selected by USAID to implement the PACE-D Technical Assistance Program. Nexant is supported by a consortium of U.S. and Indian implementation partners to provide specialized expertise for the various program activities.

Indian Partners:

Continuing Education & Training Centre
Development Environenergy Services Ltd.
Emergent Ventures India Pvt. Ltd.
Environmental Design Solutions Pvt. Ltd.
Idam Infrastructure Advisory Pvt. Ltd.
Mercados Energy Markets India Pvt. Ltd.

U.S. Partners:

American Council on Renewable Energy
(ACORE)
Ashton Consulting Services, LLC
Chemonics International
Leonardo Technologies, Inc.
P&RO Solutions, Inc.
SRC Global Inc.
Stephen Storm, Inc.

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Please access www.pace-d.com for additional information.

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