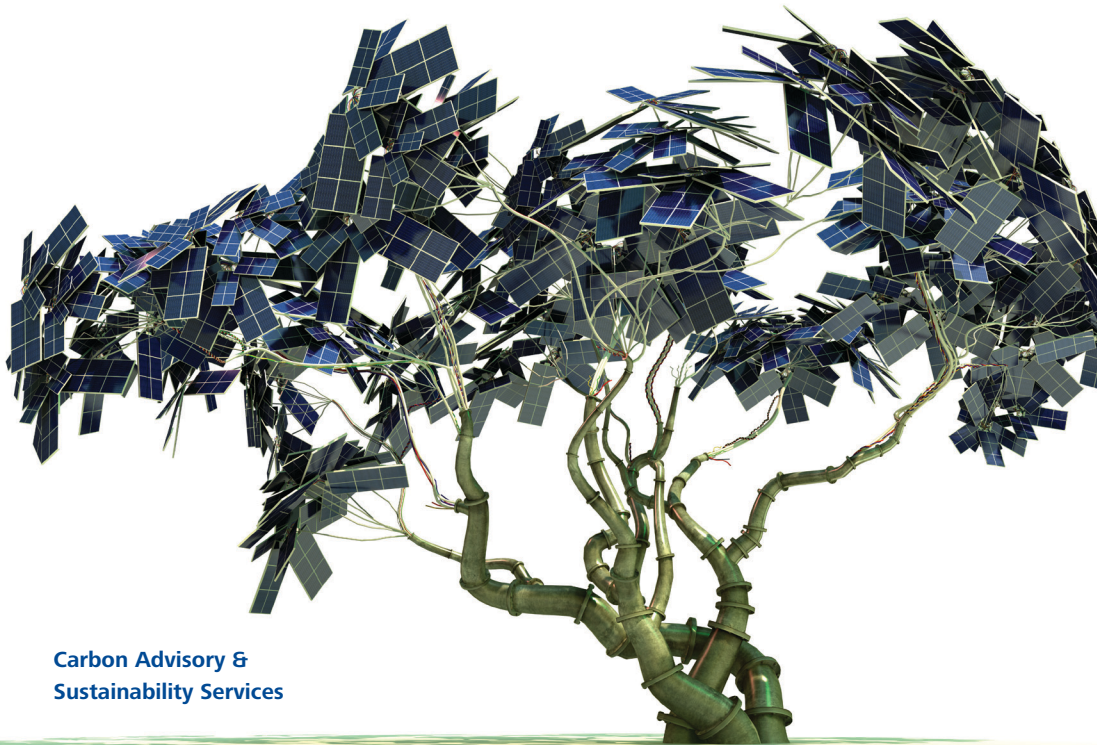


GHG mitigation by
renewable technologies
using CDM – PoA
in rural energy sector



Rural India constituting over 75% of nation's population does not have access to modern energy sources and reliable grid electricity caters to only about 55% of rural population. CDM program of activities (PoA) can be used as a tool in promoting renewable energy technologies in rural areas not only for GHG mitigation but also for sustainable rural development.

Access to energy is fundamental to improving quality of life, and is also a key imperative for the economic development. With the rural sector lacking access to energy, the growth and development of the sector is duly hampered. Also, the continued use of conventional fuels to meet the energy demands is increasing the pressure on global climatic conditions, thereby calling for increased focus on renewable energy.

Purpose of study

A study titled "GHG Mitigation by Promotion of Renewable Sources of Energy for Rural and Household Energy Requirements using "Programme of Activities" (PoA) CDM, as a tool" is executed by Deloitte Touche Tohmatsu India Private Limited (DTTIPL) with support of British High Commission (BHC).

The purpose of the study is to have increased uptake of "Programme of activities CDM" (PoA-CDM) in India for country programs/activities by developing and testing a framework for renewable energy programs/activities in rural energy sector under PoA.

Key issues addressed

Various programs / activities are implemented by Government Institutions & Private Entrepreneurs for the improvement of energy access to remote and rural locations. Inspite of these macro & micro level initiatives, many of these programs are not able to achieve the desired level of results. Technologies which are implemented soon get discarded in the absence of maintenance and monitoring mechanisms. Lack of adequate financing mechanisms for sustainable monitoring and operations,

immature level of technology, as well as poorly coordinated efforts are some of the reasons. It is considered that, "Program of Activities: PoA – CDM" provides an opportunity to address, many of these issues with facilitation of finance and technology transfers, for various such initiatives, enabling desired results. The study thereby focuses on identification of issues and provision of practically possible solutions, by converting such independent initiatives into a collaborative & collective effort, a sustainable PoA – CDM Activity.

Major activities

- Compilation of the database for various small and large initiatives being undertaken in India, to meet the rural energy demand, as well as facilitating rural development using renewable energy.
- Renewable energy sector analysis as per the PoA guidelines
- Assessment of two case studies in relation to defining boundary, assessment of baseline methodology, leakage, additionality and preparation of monitoring plan
- Development of CDM – PoA – DD and CDM – CPA – DD for host country approval of one of the case study.
- The study shall also broadly identify issues and probable solutions to develop small scale initiatives, as well as immature technologies to a Programmatic CDM: PoA – CDM

framework. Also a knowledge framework is aimed to be generated, for follow-on guidelines on preparing PoA – CDM projects.

Goals of the study

- Take a lead role in converting small / scattered / unsustainable initiatives to a more structured & collaborative PoA – CDM project, a sustainable activity contributing to global efforts in GHG mitigation
- Take lead in developing innovative and affordable services, which improve the overall quality of life, in the rural fraction of India. This would also help improve overall health and education levels in the region.
- Contribute to channellizing the right kind of investment in Climate Change mitigation, Commercialization of immature technologies, as well as facilitating new technology development

Information details

More information about the project can be found at <http://www.ihrsystem.com>

You are invited for project presentation at
FICCI, India COP15 Side Event

Date: Thursday, 17 December 2009

Time: 18:15—19:45 hrs

Venue: Bella Center, Copenhagen (Denmark)
Hall H, Saxo Grammaticus

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