



Intelligent Energy  Europe

RENDEV

 PlaNet Finance

 i+Power

 transl'énergie
Energy for Sustainable Developments

 Grameen Shakti

 PSL

 RAHIMAFROOZ
SOIAR

 OPTIMAL
POWER INDONESIA

 BINA SWADAYA
Self-Reliance Development Foundation

 BINA USAHA LINGKUNGAN

 SUSTAINABLE ENERGY EUROPE
2005-2008

www.rendev.org

 TOYOTA TSUSHO CORPORATION

RENDEV PROJECT
Reinforcing provision of
sustainable ENERGY services in
Bangladesh and Indonesia for
Poverty alleviation and
sustainable DEVELOPMENT »

January 2007- December 2009

Localization of the RENDEV project

Bangladesh at a glance

Population: 147 million

Density: 1090 hbt/km²

GNI per capita: 470 USD

People living with less than 1

USD per day: 49.8 % (2000)



Indonesia at a glance

Population: 245 million

Area: 1.9 million km²

GNI per capita: 1,280 USD

People living with less than 1 USD per day:

16.7% (2004)

Objectives of the RENDEV project

The RENDEV project aims to explore ways to link microfinance and access to renewable energy

General Objective

Contributing to rural development and poverty alleviation in Bangladesh and Indonesia by combining microfinance mechanisms, fitted to underprivileged population, with microenterprise development and access to solar energy.

Specific Objectives

- **Promoting** the use of renewable energies among the underprivileged population of rural areas.
- **Improving the production scale** and process of income generation activities of rural microentrepreneurs.
- **Contributing to the implementation of a rural development** model respecting the environment and allowing a sustainable decrease of poverty.

Activities Update

- **Development of a Solar panel users and installers toolkits and monitoring tools for productive energy use. Technical support on Business Development services**
 - A document per country presenting an overview of the current status of Poverty Reduction Strategies and their relation to microfinance and solar energy, including country examples.
 - A document per country looking in detail the national situation, focusing on three aspects: poverty reduction, microfinance and solar energy, in the political and socio-economical background.
 - A Solar PV system design and installation toolkit for installers and suppliers.
 - A Solar PV system operation and maintenance manual for end users.
 - 19 local pilot training provision in both countries : 830 people have been trained for the operations of maintenance.

- **Development of a market feasibility needs assessment study and evaluation tool to get a grasp of the market demand for solar energy products.**
 - State of the solar report in the energy market per country
 - Assessment report of the technical and material skills available per country.

Activities Update

- **Enabling cross-sector linkages in the use of renewable for micro-enterprise development**
 - Elaboration of the technical support describing the concept, the mechanisms and the microfinance advantages for rural electrification, for policy makers and solar energy providers
 - Provision of 336 trainings and capacity building sessions in both countries for 8,770 people, including microfinance institutions employees, policymakers, micro entrepreneurs, communities and schools
 - Campaign against poverty through film production.
 - International conference dissemination in Dhaka : 3-day conference in December 7th to 9th, 2009

- **Development of a financial model to enable renewable energy service provision through Microfinance**
 - Database of 40 microfinance institutions providing energy services for Energy per country.
 - Organization of a National Conference in each country to facilitate the exchange between energy, microfinance and policies makers
 - Design of 3 innovative financial models adapted for each country.

Activities Update

- Designing and disseminating communication tools to involve communities and raise social awareness about renewable energies
 - Training module on HR development and Business development services with solar energy source in rural areas training materials
 - Organization of 2 Consultative district workshops per country
 - A movie related both country has been done for awareness rural zones
 - A strategy paper per country with recommendations to enlarge solar energy systems

- Communication and Dissemination Activities
 - The project's website was put online by the end of 2007. www.rendev.org
 - 6 Newsletters can be downloaded from the web site
 - Press release were published in Bangladesh and Indonesia
 - 22 reports can be downloaded from the web site

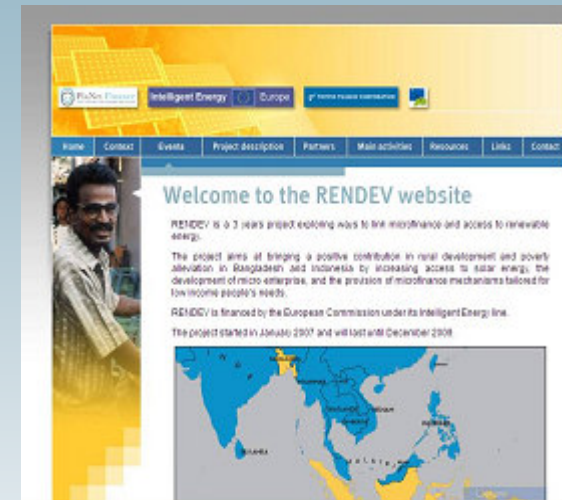
Main results : Sharing best practices with the main actors in Bangladesh and Indonesia

Activities	Results
<p>Consultative national workshop for cross-sector linkages about the use of renewable energies for micro-enterprise development</p>	<p>2 national Workshops</p> <ul style="list-style-type: none"> -1 Workshop in Bangladesh January 28th , 2009, Dhaka - 1 workshop in Indonesia June 18th 2008, Jakarta,
<p>Consultative National Conference to gain comprehensive information about the state of technology and encourage discussion between stakeholders</p>	<p>2 national conferences</p> <ul style="list-style-type: none"> - Indonesia : 15th of November 2007, Jakarta - Bangladesh : 15th of May 2008
<p>District Workshop to Identify the main barriers for the development of solar energy with key actors</p>	<p>2 district Workshops</p> <ul style="list-style-type: none"> - Indonesia, December 4th-5th, 2008 d in Oehela Village, East Nusa Tenggara Province - Bangladesh, January 26th, 2009. held in Phulpur, Mymensingh district
<p>International conference dissemination</p>	<p>1 International conference in Dhaka (Bangladesh) , 3 days December 2009 7th to 9th</p>



Main results: dissemination tools

Activities	Results
Web site	www.rendev.org
Training material for installers and end users (toolkits)	<ul style="list-style-type: none"> design and installation toolkit for installers and suppliers, Operation and maintenance toolkit for end-users
Microfinance and energy toolkits	<p>2 toolkits to Introduce concept, mechanisms and the microfinance advantages for rural electrification</p> <ul style="list-style-type: none"> - 1 toolkit for policy makers, solar energy providers. - 1 toolkit for microfinance Institutions
Training material for communities	<ul style="list-style-type: none"> - Toolkit for Business development services with solar energy source in rural areas 7 posters per country in local language - 3 films (2 per country and 1 related both countries)
Financial models	3 financial models adapted per country
involve communities and raise social awareness about renewable	One strategy paper per country



Main results : Awareness activities for local communities

Activities	Results
- Direct beneficiaries 355 training sessions done and 10.000 people trained - Indirect beneficiaries 40.000 stakeholders sensitized	
Local pilot training on Operations & Maintenance of Technologies	- Bangladesh : 9 training sessions conducted for 612 people - Indonesia : 10 training sessions conducted for 213 people.
Training/capacity building provision for microfinance institutions, policy makers and microentrepreneurs	- In Bangladesh 306 training sessions (TS) have been conducted for 8117 people - In Indonesia 30 training sessions (TS) have been conducted for 792 people
Film production on 'the benefits of solar energy use for business development	- 1 film per country - 1 related both country
Communication tools	- Technical toolkits (policy makers, Microfinance Institutions) - 7 type of posters per country



RENDEV Reinforcing provision of sustainable Energy services in Bangladesh and Indonesia for Poverty alleviation and Sustainable DEVELOPMENT

The RENDEV project is financed under the COOPERER program launched by the European Union to contribute to sustainable development.

Solar Energy Facilitating Rural Business and Development

- No more kerosene expenses or fire hazards
- Attract the customers during the night with bright light, TVs or radios
- Extended business hours in small shops, production centers such as tailoring shops, groceries, hotels, fisheries etc.
- Boost in electronic business such as TVs, mobile phones, cassette player sales.
- New business opportunities such as Community TV, Mobile Phone Shops and Internet Shops
- Micro-utility Model : One system shared by many

Partners: Green Skills, PlaNit Finance, Intelligent Energy Europe, Green Skills, PSL, TOYOTA TSUSHO CORPORATION, OPTIMAL, BINA, SANGHATI, SANGHATI, SANGHATI.

Contacts Detail

RENDEV co-ordinator

Pascale Geslain

pgeslain@planetfinance.org



www.rendev.org

RENDEV partners Bangladesh



Europe



Indonesia

