

PROJECT FACTSHEET

Development of Sustainable Renewable Energy Power Generation



Empowered lives.
Resilient nations.

Bangladesh Government believes that access to energy can open windows for all to enjoy the fruits of development and their fundamental human rights. UNDP is working with Government of Bangladesh and its partners to foster energy access for poor people. Sustainable renewable energy access for the poor not only empowers them to enjoy their human rights, but also contributes to national development and national and global efforts to reduce greenhouse gas emissions.

Objective: To reduce the annual growth rate of GHG emissions from the fossil fuel-based power generation by exploiting Bangladesh's renewable energy resources for electricity generation.

Project Snapshot

Title: Development of Sustainable Renewable Energy Power Generation (SREPGen)

Duration: 2014-2018

Implementing Partners: UNDP, Government of Bangladesh, Private Sectors, Partner NGOs

Project Cost: US \$ 5.10 million
(4.07 million PA and 1.03 million GOB)



Expected Outcomes: Total Avoided GHG emissions from on-grid RE electricity generation

Key Targeted Results



Transform SREDA into a strong RE project facilitation centre to bring confidence to private RE investors and increase the number of approved RE projects



Increase the capacities of appropriate government agencies to generate, process, obtain and disseminate reliable RE resource information for use by potential project developers and investors



Increase the affordability of photo-voltaic solar lanterns (PVSL) for low income households



Increase the share of RE in Bangladesh's power mix through facilitating the financing, implementation and operation of pilot (RE) energy projects using rice husk and solar panels.



UNDP
Bangladesh

IDB Bhaban, E/A-A Begum Rokeya Sharani, Sher-e-Bangla Nagar, Dhaka 1207, Bangladesh
Tel: + 880255667788 Fax: (880) 28113196 Email: registry.bd@undp.org Web: www.undp.org.bd

ACTION

The SREPGen Project will assist the Government of Bangladesh to promote renewable energy development specifically to address the needs of low-income households by facilitating access to afford sustainable energy solutions.

“Disseminating over 400,000 photovoltaic solar lanterns for rural households”



The SREPGen Project will support the Sustainable Renewable Energy Development Authority (SREDA) to become a strong renewable energy facilitation unit bringing confidence to private investors. Mechanisms to promote broader investment will be developed, including regulations policies, tariffs and incentives. The project will also enable government agencies to measure, obtain, generate and disseminate reliable renewable energy resource information (i.e. investment grade wind, solar and biomass data).

To tackle energy access for low-income households, SREPGen will improve the

affordability of PVSLs facilitating broader distribution in rural communities. The project will support financial mechanisms (including credit schemes and grants) that enable those with limit financial resources to access the benefits of this technology.

The project will also investigate the financial feasibility and pilot additional renewable energy options such as grid connected rice husk biomass, solar photovoltaic water pumping, nano-grid photovoltaic installations and mixed renewable energy generation stations.

IMPACT

This project will assist the Government to better capitalise on the renewable energy potential of Bangladesh. Equipping SREDA with the right balance of policy, regulatory and incentive tools will attract greater private investment in renewable energy. This will assist the Government to deliver on its commitment “Energy for All by 2021”, generating employment and serve as a cost effective

greenhouse gas emissions management option. The pilot investigations will facilitate greater understanding of the key criteria for scaling up these technologies. It is expected that these projects will demonstrate the efficacy of such technologies providing justification for private investment in larger scale operations.

“Facilitating improved educational outcomes for children, by allowing them to study after dark”



DONORS:



IMPLEMENTING PARTNER:



UNDP
Bangladesh

IDB Bhaban, E/A-A Begum Rokeya Sharani, Sher-e-Bangla Nagar, Dhaka 1207, Bangladesh
Tel: + 880255667788 Fax: (880) 28113196 Email: registry.bd@undp.org Web: www.undp.org.bd