

Renewable Energy and Energy Efficiency Programme (REEEP) II

Background

Bangladesh is one of the fastest growing economies in the world, headed towards earning middle income status by 2021. Within the same timeframe, Bangladesh is committed to providing electricity for its 160 million citizens. To cater this demand 24 Gigawatts of electricity will be needed. Bangladesh is determined to combat impacts of global climate change by reducing Greenhouse Gas (GHG) emissions in the power, industry and transport sectors by 15% compared to ‘business-as-usual’ levels within 2030 through external support. By 2021 Bangladesh aims to generate 10% of its total power from renewable sources and to reduce 15% primary energy (e.g. natural gas, coal) consumption compared to 2013 levels. Promoting energy efficiency and conservation, ensuring maximum utilisation of renewable energy integrated options, and building capacity of stakeholders to sustain the efforts is therefore a priority for Bangladesh for German Development Cooperation.

Objectives

- Support framework improvement and cooperation among SREDA and other stakeholders to achieve national target on renewable energy and energy efficiency.
- Support implementation of the Energy Efficiency and Conservation Master Plan through awareness development along the stakeholders’ value chain.
- Provide technical assistance to the Government of Bangladesh for smooth implementation of the solar rooftop programme under Net Metering Guideline.

Approach

REEEP II aims to work with the government, private sector and civil society actors to strengthen sustainable energy development

in Bangladesh. The programme contributes directly to the national implementation of the Sustainable Development Goals (SDG) under the 2030 Agenda. Furthermore, it is contributing to the achievement of the goals set under the Nationally Determined Contributions (NDC) by reducing Carbon dioxide (CO₂) emissions.

Programme name	Renewable Energy and Energy Efficiency Programme (REEEP) II
Commissioned by	German Federal Ministry for Economic Cooperation and Development (BMZ)
Commission value	4 Million Euro
Project region	Bangladesh
Partner ministry	Power Division; Ministry of Power, Energy, and Mineral Resources (MPEMR)
Executing agency	Sustainable and Renewable Energy Development Authority (SREDA)
SDG contribution	Affordable and Clean Energy(SDG-7), Climate Action (SDG-13)
Duration	2018-2021

To promote cooperation among the actors in the area of renewable energy and energy efficiency, REEEP II identifies specific organisational development needs for the national nodal agency -SREDA and relevant sector stakeholders. Specific capacity and organisational development support has been extended to SREDA, distribution utilities, Bangladesh Solar and Renewable Energy Association (BSREA), Bangladesh Garments Manufacturers and Exporters Association (BGMEA), Bangladesh Auto, Major Rice Husking Mills Owners Association, and Consumers Association of Bangladesh (CAB). The programme also supports the government to develop conducive energy policies and regulations to sustain developmental impacts.



Left : REEEP II aims to raise awareness on energy efficiency through a nationwide campaign

Right : Targeted capacity building initiatives will strengthen the capacity of the sector agencies for sustainable energy development



REEEP II will support the dissemination of grid connected solar rooftops through facilitating the establishment of a dedicated national rooftop service desk at SREDA and accompanying online portal for consumers and service providers

Technical measures regarding energy efficiency can only be sustained when public and institutional awareness and commitment is ensured. The project is supporting SREDA in formulation and implementation of a national awareness raising campaign for energy efficiency and conservation. The project will strive to further contribute to the capacity development of selected sectors with high potential for energy savings, i.e textile and garment industries. Efforts are also underway to include energy efficiency and conservation aspects in relevant academic curriculum.

To maximise the utilisation of solar energy, the government aims to disseminate grid connected rooftop solar systems at a large scale through the net metering regulation. The project is supporting this initiative through facilitating the establishment of a dedicated national rooftop solar service desk at SREDA and accompanying online portal. The project further contributes to the standardisation of associated equipment and ancillaries and implements model projects for demonstration.

As outcome of the project, the partner actors of the project from public and private sector as well as civil society should be able to make an increased and sustained contribution to the promotion of renewable energy and energy efficiency in Bangladesh through collective effort.

Objectives

- More than 180 representatives from power & business sector stakeholder organisations have been trained
- More than 25,000 people have been reached through energy efficiency and conservation awareness
- A feasibility assessment for SREDA to become national implementing entity (NIE) for accessing Green Climate Fund (GCF) has been conducted
- SREDA has been given technical assistance to include OPEX model in the national rooftop solar net metering regulation
- Organisational needs assessment of BSREA has been conducted in collaboration with German Solar Association (BSW-Solar)
- The scope for the establishment of national solar rooftop service desk at SREDA has been defined
- Study visit for SREDA Officials to comparable organisations in the region has been supported
- The first ever International Conference on Energy Efficiency Conservation and Awareness (ICEECA 2019) in Bangladesh was organised in November 2019
- Development of National Energy Efficiency and Conservation Awareness Raising Campaign Plan is in progress

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