



## Rural Electrification and Renewable Energy Development II (RERED II) Project (P131263)

SOUTH ASIA | Bangladesh | Energy & Extractives Global Practice |  
IBRD/IDA | Specific Investment Loan | FY 2013 | Seq No: 32 | ARCHIVED on 27-Feb-2017 | ISR25048 |

Implementing Agencies:

## Key Dates

## Key Project Dates

Bank Approval Date:20-Sep-2012

Effectiveness Date:20-Feb-2013

Planned Mid Term Review Date:17-Aug-2015

Actual Mid-Term Review Date:06-Sep-2015

Original Closing Date:31-Dec-2018

Revised Closing Date:31-Dec-2018

## Project Development Objectives

## Rural Electrification and Renewable Energy Development II (RERED II) Project (P131263)

Project Development Objective (from Project Appraisal Document)

The proposed project development objectives are to increase access to clean energy in rural areas through renewable energy and promote more efficient energy consumption.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

Yes

Board Approved Revised Project Development Objective (If project is formally restructured)

Increase access to clean energy through renewable energy in rural areas.

## Components

Name

Access to Electricity:(Cost \$309.30 M)

Household Energy:(Cost \$46.30 M)

Sector Technical Assistance:(Cost \$6.50 M)

## Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Moderately Satisfactory	● Satisfactory



Overall Implementation Progress (IP)	● Moderately Satisfactory	● Satisfactory
Overall Risk Rating	● Moderate	● Moderate

## Implementation Status and Key Decisions

The project is supporting the solar home systems (SHS) for increasing access to electricity in remote rural areas where grid electrification is difficult or expensive to reach. The project is also supporting renewable energy based mini-grid options for access to electricity, replacement of diesel pumps with solar irrigation pumps, and dissemination of efficient cook stoves and biogas plants for cooking. In addition to IDA credit, the project is receiving grant support from the Bangladesh Climate Resilience Funds (BCCRF) (for solar irrigation), US Agency for International Development (USAID), and multi-donor trust fund Global Partnership for Output Based Aid (GPOBA). The project has already exceeded its targets for supporting SHS. Other interventions under access to electricity (mini-grids and solar irrigation pumps) are also picking up. The improved cookstoves program is now progressing very well with the target of 1 million stoves by end-2018 is expected to be met by mid-2017.

## Risks

### Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	● High	● High
Macroeconomic	--	● Low	● Low
Sector Strategies and Policies	--	● Substantial	● Substantial
Technical Design of Project or Program	--	● Low	● Low
Institutional Capacity for Implementation and Sustainability	--	● Low	● Low
Fiduciary	--	● Moderate	● Moderate
Environment and Social	--	● Moderate	● Moderate
Stakeholders	--	● Low	● Low
Other	--	--	--
Overall	--	● Moderate	● Moderate

## Results

### Project Development Objective Indicators

#### ► Number of households, farmers, and businesses having access to clean energy services (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,550,051.00	1,979,165.00	2,069,000.00
Date	31-Dec-2012	30-Jun-2016	31-Dec-2016	31-Dec-2018



► Generation Capacity of Renewable Energy (other than hydropower) constructed (Megawatt, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	45.21	44.07	56.00
Date	31-Dec-2012	30-Jun-2016	31-Dec-2016	31-Dec-2018

▲ Generation Capacity of Renewable Energy constructed-Solar (Megawatt, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	45.21	44.07	56.00
Date	31-Dec-2012	30-Jun-2016	31-Dec-2016	31-Dec-2018

► Direct project beneficiaries (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5,547,000.00	6,176,000.00	5,700,000.00
Date	31-Dec-2012	30-Jun-2016	31-Dec-2016	31-Dec-2018

▲ Female beneficiaries (Percentage, Core Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	54.19	56.74	59.00



► People provided with access to electricity by household connections (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5,132,000.00	5,395,000.00	4,700,000.00
Date	31-Dec-2012	30-Jun-2016	31-Dec-2016	31-Dec-2018

▲ Ppl provided wth elec. by hhold conn.–Offgrid/minigrd–Only renewable sources (Number, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5,132,000.00	5,395,000.00	4,700,000.00
Date	31-Dec-2012	30-Jun-2016	31-Dec-2016	31-Dec-2018

► People that gained access to more energy-efficient cooking and/or heating facilities (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	405,670.00	770,657.00	1,000,000.00
Date	31-Dec-2012	30-Jun-2016	31-Dec-2016	31-Dec-2018

▲ People that gained access only through switching of cooking and/or heating systems (Number, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	405,670.00	770,657.00	1,000,000.00
Date	31-Dec-2012	30-Jun-2016	31-Dec-2016	31-Dec-2018

Overall Comments



### Intermediate Results Indicators

#### ► Number of solar home systems installed (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,140,085.00	1,198,915.00	1,030,000.00
Date	31-Dec-2012	30-Jun-2016	31-Dec-2016	31-Dec-2018

#### ► Number of connections made through mini-grid systems and captive plants (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,279.00	2,954.00	7,500.00
Date	31-Dec-2012	30-Jun-2016	31-Dec-2016	31-Dec-2018

#### ► Number of solar irrigation pumps (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	193.00	262.00	1,250.00
Date	31-Dec-2012	30-Jun-2016	31-Dec-2016	31-Dec-2018

#### ► Number of higher efficiency cook stoves disseminated (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	405,670.00	770,657.00	1,000,000.00
Date	31-Dec-2012	30-Jun-2016	31-Dec-2016	31-Dec-2018



► Number of biogas plants for cooking (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,453.00	1,470.00	16,000.00
Date	31-Dec-2012	30-Jun-2016	31-Dec-2016	31-Dec-2018

► Enabling policy for renewable energy development (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	SREDA not operational	SREDA operational with core staff appointed	SREDA operational with core staff appointed	SREDA operational with core staff appointed
Date	30-Jun-2012	30-Jun-2016	31-Dec-2016	31-Dec-2015



► Collection efficiency of the SHS POs (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	96.00	87.00	85.00	90.00
Date	28-Feb-2014	30-Jun-2016	31-Dec-2016	31-Dec-2018

Overall Comments

## Data on Financial Performance

### Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P131263	IDA-51580	Effective	USD	155.00	155.00	0.00	126.26	25.37	 81%
P131263	IDA-55140	Effective	USD	78.40	78.40	0.00	66.42	3.99	 85%

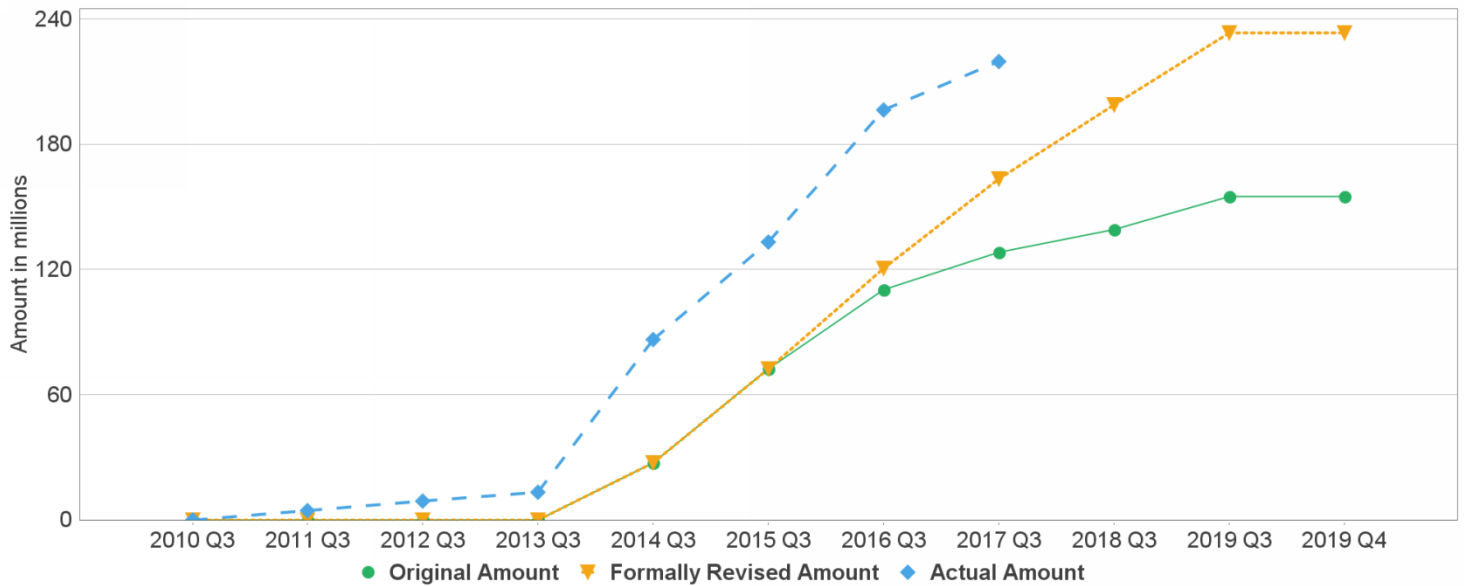


P131263	TF-15034	Effective	USD	6.00	6.00	0.00	4.30	1.70		72%
P131263	TF-15077	Closed	USD	10.00	10.00	0.00	5.00	5.00		50%
P154576	TF-19156	Effective	USD	3.00	3.00	0.00	2.34	0.66		78%
P154576	TF-19157	Effective	USD	12.00	12.00	0.00	0.12	11.88		1%
P119549	TF-96551	Closed	USD	7.20	7.20	0.00	7.20	0.00		100%
P119547	TF-96552	Closed	USD	1.10	1.10	0.00	1.10	0.00		100%
P119549	TF-98472	Closed	USD	6.75	6.75	0.00	6.75	0.00		100%
P131263	TF-A3639	Effective	USD	1.07	1.07	0.00	0.00	1.07		0%

**Key Dates (by loan)**

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P131263	IDA-51580	Effective	20-Sep-2012	23-Oct-2012	20-Feb-2013	31-Dec-2018	31-Dec-2018
P131263	IDA-55140	Effective	19-Jun-2014	30-Jun-2014	28-Sep-2014	31-Dec-2018	31-Dec-2018
P131263	TF-15034	Effective	10-Jul-2013	15-Jul-2013	28-Jul-2013	30-Jun-2016	31-Dec-2018
P131263	TF-15077	Closed	30-Sep-2013	30-Sep-2013	18-Dec-2013	31-Dec-2016	31-Dec-2016
P154576	TF-19156	Effective	22-Apr-2015	22-Apr-2015	15-Jul-2015	30-Jun-2017	30-Jun-2017
P154576	TF-19157	Effective	22-Apr-2015	22-Apr-2015	15-Jul-2015	30-Jun-2017	30-Jun-2017
P119549	TF-96551	Closed	12-May-2010	12-May-2010	12-May-2010	30-Sep-2013	30-Sep-2013
P119547	TF-96552	Closed	12-May-2010	12-May-2010	12-May-2010	30-Jun-2014	30-Jun-2015
P119549	TF-98472	Closed	02-Mar-2011	02-Mar-2011	28-Apr-2011	30-Jun-2014	30-Jun-2014
P131263	TF-A3639	Effective	20-Oct-2016	28-Nov-2016	28-Nov-2016	31-Dec-2018	31-Dec-2018

**Cumulative Disbursements**



## Restructuring History

Level 2 Approved on 28-Jan-2014 ,Level 2 Approved on 28-May-2015 ,Level 2 Approved on 16-Jun-2016 ,Level 2 Approved on 25-Aug-2016

## Related Project(s)

P106135-Grameen Shakti Solar Homes Project ,P107906-Bangladesh - IDCOL Solar Home Systems Project ,P119547-GPOBA: Rural Electrification & Renewable Energy ,P119549-GPOBA: Bangladesh Solar Home Systems ,P150001-RERED II Additional Financing ,P154576-GPOBA Scale-up for Bangladesh RERED II