



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

SOUTH ASIA | Bangladesh | Energy & Extractives Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2013 | Seq No: 41 | ARCHIVED on 09-Apr-2022 | ISR50598 |

Implementing Agencies: Power Cell, Infrastructure Development Company Limited (IDCOL), PEOPLE'S REPUBLIC OF BANGLADESH

**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: 18-Dec-2023

**Project Development Objectives**

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 Table**

Name

Access to Electricity:(Cost \$340.19 M)

Household Energy:(Cost \$85.41 M)

Sector Technical Assistance:(Cost \$11.50 M)

**Overall Ratings**

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

**Implementation Status and Key Decisions**

The project is meeting the Project Development Objective (PDO) of increasing access to clean energy through renewable energy in rural areas. As of December 2021, the project has reached 7.95 million direct beneficiaries by providing access to clean energy for 3.69 million households and entities. A total of 9,027 connections have been provided through the 13 SMG sub-projects. A total of 1,224 SIP have been installed and verified. A



total of 10,900 small-sized DBDs have been constructed, and 2,46 million ICS have been disseminated through the project. The project has so far added 68 megawatt (MW) off-grid renewable energy generation capacity.

Covid-19 pandemic and intermittent lockdown have negatively impacted the pace of implementation and posed various unprecedented challenges to the project. Though implementation has been progressed significantly in the last six months as a result of few measures adopted and improvement in Covid-19 situation, the project is yet to reach the expected level of ICS sales/month required to meet the target of 5 million ICS by the project closing date. Enrollment of new Partner Organizations (POs) and expansion of the program to new clusters will be vital in achieving the dissemination target of 5 million ICS by December 18, 2023. Grant acquisition efforts from multiple sources are moving positively for recovering the finance gap for SIP. Approval for new SIP (sub-)projects will be resumed, and implementation of SIP is expected to be back on track by June 2022.

## Risks

### Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Macroeconomic	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Sector Strategies and Policies	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Technical Design of Project or Program	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Institutional Capacity for Implementation and Sustainability	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Fiduciary	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Environment and Social	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Stakeholders	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Other	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Overall	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

## Results

### PDO Indicators by Objectives / Outcomes

To increase access to clean energy in rural areas through renewable energy				
▶ Number of households, farmers, and businesses having access to clean energy services (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	3,525,152.00	3,692,073.00	6,085,082.00
Date	15-Jun-2012	30-Jun-2021	31-Dec-2021	18-Dec-2023
▶ Generation Capacity of Renewable Energy (other than hydropower) constructed (Megawatt, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	68.00	68.00	88.00
Date	15-Jun-2012	30-Jun-2021	31-Dec-2021	18-Dec-2023
<b>► Direct project beneficiaries (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	7,783,861.00	7,950,781.00	9,800,000.00
Date	15-Jun-2012	30-Jun-2021	31-Dec-2021	18-Dec-2023
<b>► Female beneficiaries (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	65.00	65.71	76.00
Date	15-Jun-2012	30-Jun-2021	31-Dec-2021	18-Dec-2023
<b>► People provided with access to electricity under the project by household connections (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5,433,668.00	5,433,871.00	5,500,000.00
Date	15-Jun-2012	30-Jun-2021	31-Dec-2021	18-Dec-2023
<b>► People who gained access to more energy-efficient cooking and/or heating facilities (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,296,454.00	2,463,534.00	5,000,000.00
Date	15-Jun-2012	30-Jun-2021	31-Dec-2021	18-Dec-2023

### Intermediate Results Indicators by Components

Access to Electricity				
<b>► Number of solar home systems installed (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,204,912.00	1,204,912.00	1,202,174.00
Date	31-Dec-2012	30-Jun-2021	30-Jun-2021	18-Dec-2023
<b>► Number of connections made through mini-grid systems and captive plants (Number, Custom)</b>				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	8,972.00	9,027.00	26,881.00
Date	31-Dec-2012	30-Jun-2021	31-Dec-2021	18-Dec-2023
<b>► Collection efficiency of the SHS POs (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	96.00	82.28	83.00	90.00
Date	28-Feb-2014	30-Jun-2021	31-Dec-2021	18-Dec-2023
<b>► Number of solar irrigation pumps (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,223.00	1,224.00	1,987.00
Date	31-Dec-2012	30-Jun-2021	31-Dec-2021	18-Dec-2023

## Household Energy

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	10,886.00	10,900.00	8,300.00
Date	31-Dec-2012	30-Jun-2021	31-Dec-2021	18-Dec-2023

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,296,718.00	2,463,534.00	5,000,000.00
Date	31-Dec-2012	30-Jun-2021	31-Dec-2021	18-Dec-2023

## Sector Technical Assistance

**► 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-Sep-2020	30-Sep-2020	31-Dec-2015

**► Number of Female Staff in POs (Number, Custom)**



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	282.00	322.00	313.00	480.00
Date	30-Nov-2017	30-Jun-2021	31-Dec-2021	18-Dec-2023
<b>► Grievances received that are addressed within two months of receipt (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	96.00	99.00	100.00
Date	28-Nov-2017	30-Jun-2021	30-Jun-2021	18-Dec-2023

### Performance-Based Conditions

#### 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	148.13	4.17	97%
P131263	IDA-55140	Effective	USD	78.40	78.40	0.00	68.47	2.13	97%
P131263	IDA-62020	Effective	USD	55.00	55.00	0.00	17.90	34.98	34%
P131263	TF-15034	Closed	USD	6.00	5.35	0.65	5.35	0.00	100%
P131263	TF-15077	Closed	USD	10.00	9.96	0.04	9.96	0.00	100%
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	Closed	USD	1.07	1.07	0.00	1.07	0.00	100%
P131263	TF-B4774	Effective	USD	20.00	20.00	0.00	1.34	18.66	6.7%

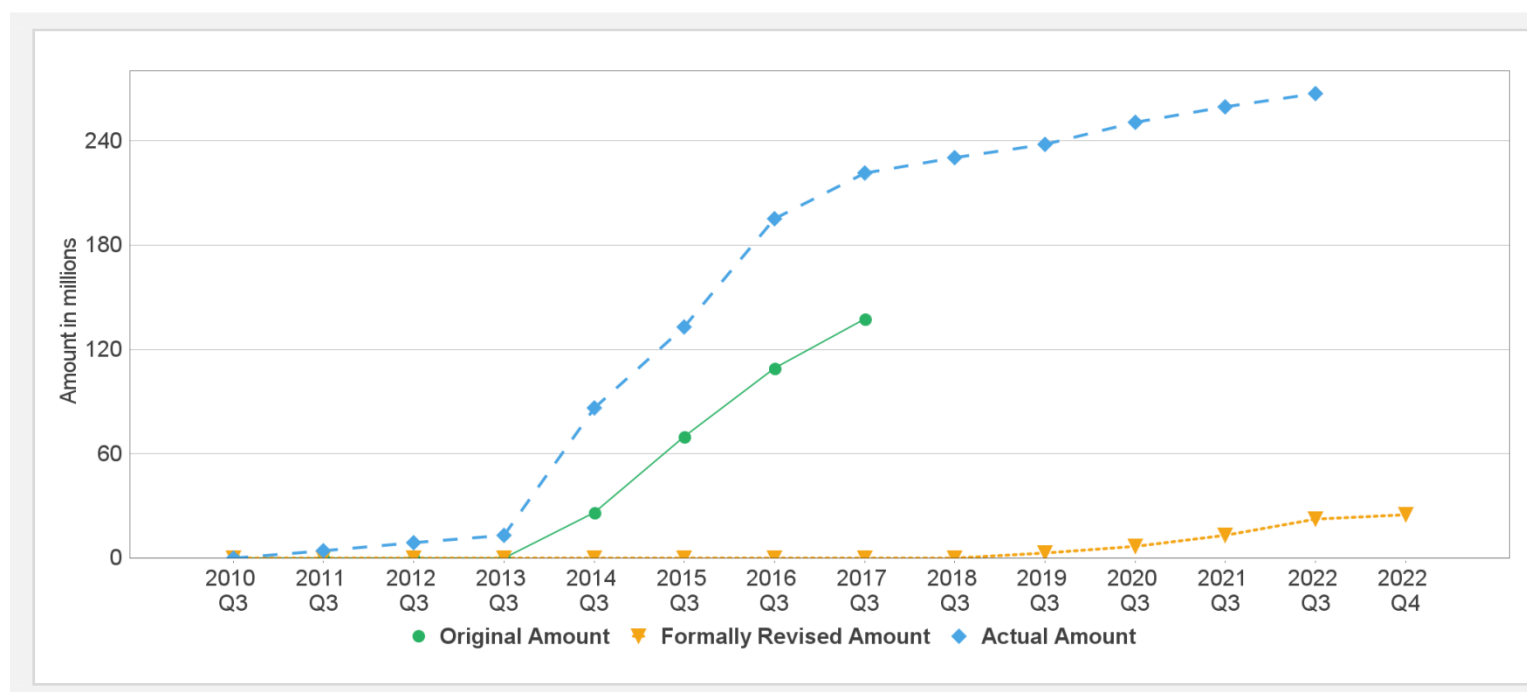
##### Key Dates (by loan)

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	18-Dec-2023
P131263	IDA-55140	Effective	19-Jun-2014	30-Jun-2014	28-Sep-2014	31-Dec-2018	18-Dec-2023



P131263	IDA-62020	Effective	10-Apr-2018	30-May-2018	26-Aug-2018	31-Dec-2021	18-Dec-2023
P131263	TF-15034	Closed	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
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	Closed	20-Oct-2016	28-Nov-2016	28-Nov-2016	31-Dec-2018	31-Dec-2018
P131263	TF-B4774	Effective	21-May-2021	31-May-2021	24-Aug-2021	18-Dec-2023	18-Dec-2023

### 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 ,Level 2 Approved on 16-Jun-2017 ,Level 2 Approved on 21-May-2021

### 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 ,P165400-Additional Financing II for Rural Electrification and Renewable Energy Development II