



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: 39 | ARCHIVED on 23-Dec-2020 | ISR44673 |

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: 31-Dec-2021

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"/> Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> 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. Overall implementation progress remains satisfactory with all key outputs and results being delivered, despite the impact of the Covid-19 outbreak. As of September 2020, the project has reached 3.1 million households with 7.43 million direct beneficiaries. A total of 14 solar mini-grid projects have been constructed and are currently in operation. 1,153 solar irrigation pumps (SIP) have been installed and verified. A total of 10,486 small-



sized domestic biogas digesters (DBDs) have been constructed. A total of 1,944,859 improved cookstoves (ICS) have been disseminated through the project.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	☐ Moderate	☐ Moderate
Macroeconomic	--	☐ Low	☐ Low
Sector Strategies and Policies	--	☐ Moderate	☐ Moderate
Technical Design of Project or Program	--	☐ Moderate	☐ Moderate
Institutional Capacity for Implementation and Sustainability	--	☐ Low	☐ Low
Fiduciary	--	☐ Moderate	☐ Moderate
Environment and Social	--	☐ Moderate	☐ Moderate
Stakeholders	--	☐ Low	☐ Low
Other	--	☐ Moderate	☐ Moderate
Overall	--	☐ Moderate	☐ 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	2,897,934.00	3,172,744.00	6,085,082.00
Date	15-Jun-2012	31-Dec-2019	30-Sep-2020	31-Dec-2021
▶ Generation Capacity of Renewable Energy (other than hydropower) constructed (Megawatt hour(MWh), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	60.96	65.51	88.00
Date	15-Jun-2012	31-Dec-2019	30-Sep-2020	31-Dec-2021
▶ Direct project beneficiaries (Number, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	7,150,000.00	7,429,004.00	9,800,000.00
Date	15-Jun-2012	31-Dec-2019	30-Sep-2020	31-Dec-2021
► Female beneficiaries (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	62.04	63.34	76.00
Date	15-Jun-2012	31-Dec-2019	30-Sep-2020	31-Dec-2021
► People provided with access to electricity under the project by household connections (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5,432,788.00	5,433,668.00	5,500,000.00
Date	15-Jun-2012	31-Dec-2019	30-Sep-2020	31-Dec-2021
► People who gained access to more energy-efficient cooking and/or heating facilities (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,677,646.00	1,944,595.00	5,000,000.00
Date	15-Jun-2012	31-Dec-2019	30-Sep-2020	31-Dec-2021

Intermediate Results Indicators by Components

Access to Electricity				
► Number of solar home systems installed (Number, Custom)				
	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	31-Dec-2019	30-Sep-2020	31-Dec-2021
► Number of connections made through mini-grid systems and captive plants (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	8,388.00	8,824.00	28,100.00
Date	31-Dec-2012	31-Dec-2019	30-Sep-2020	31-Dec-2021
► Collection efficiency of the SHS POs (Percentage, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	96.00	82.28	82.28	90.00
Date	28-Feb-2014	31-Dec-2019	30-Sep-2020	31-Dec-2021
► Number of solar irrigation pumps (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,045.00	1,153.00	2,170.00
Date	31-Dec-2012	31-Dec-2019	30-Sep-2020	31-Dec-2021

Household Energy

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	8,007.00	10,486.00	8,300.00
Date	31-Dec-2012	31-Dec-2019	30-Sep-2020	31-Dec-2021

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,677,646.00	1,944,859.00	5,000,000.00
Date	31-Dec-2012	31-Dec-2019	30-Sep-2020	31-Dec-2021

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	31-Dec-2019	30-Sep-2020	31-Dec-2015

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	282.00	313.00	313.00	480.00
Date	30-Nov-2017	31-Dec-2019	30-Sep-2020	31-Dec-2021

► Grievances received that are addressed within two months of receipt (Percentage, Custom)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	88.09	96.00	100.00
Date	28-Nov-2017	31-Dec-2019	30-Sep-2020	31-Dec-2021

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	146.94	5.59	96%
P131263	IDA-55140	Effective	USD	78.40	78.40	0.00	68.47	2.03	97%
P131263	IDA-62020	Effective	USD	55.00	55.00	0.00	10.82	42.62	20%
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%

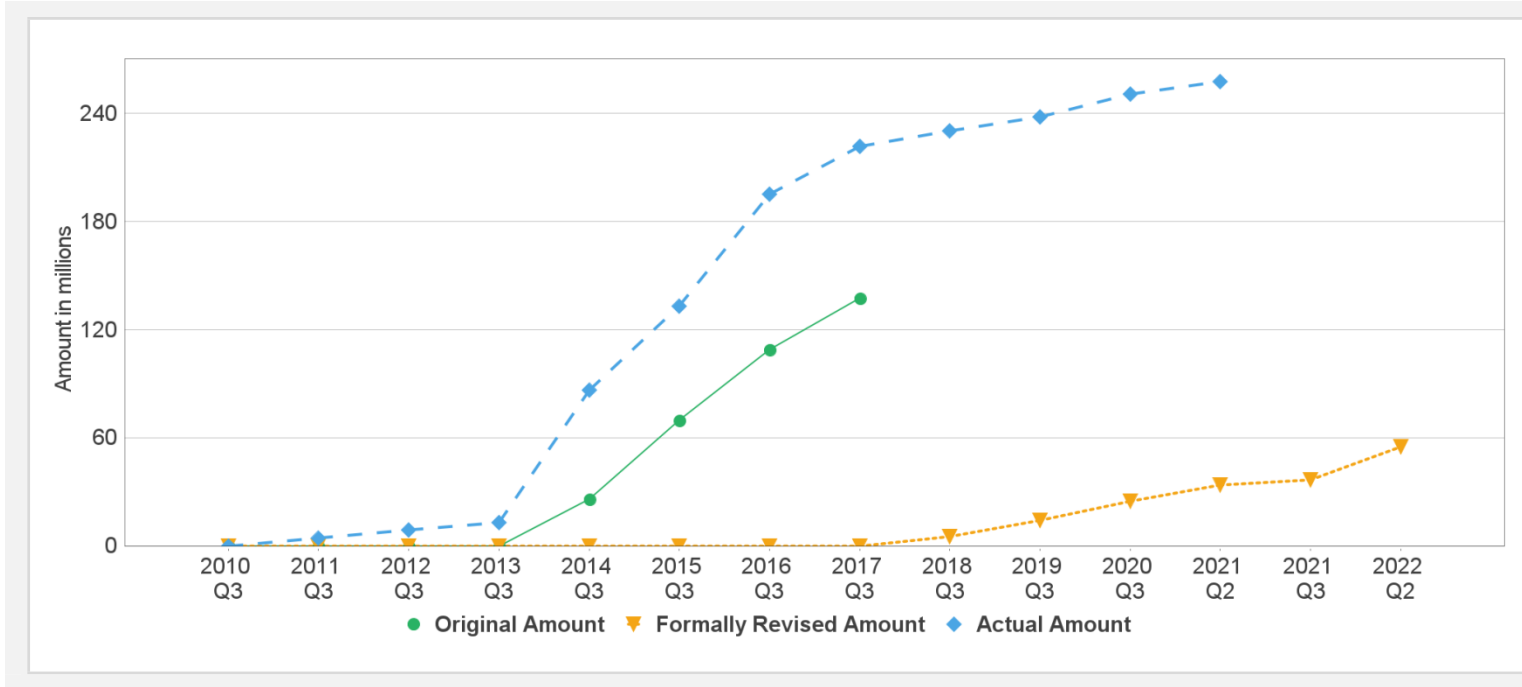
Key Dates (by loan)

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-2021
P131263	IDA-55140	Effective	19-Jun-2014	30-Jun-2014	28-Sep-2014	31-Dec-2018	31-Dec-2021
P131263	IDA-62020	Effective	10-Apr-2018	30-May-2018	26-Aug-2018	31-Dec-2021	31-Dec-2021
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
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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

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