



National Electrification Project (P152936)

EAST ASIA AND PACIFIC | Myanmar | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2016 | Seq No: 8 | ARCHIVED on 19-Jul-2019 | ISR37339 |

Implementing Agencies: Ministry of Electricity and Energy, Ministry of Agriculture, Livestock, and Irrigation, The Republic of the Union of Myanmar

Key Dates

Key Project Dates

Bank Approval Date: 16-Sep-2015	Effectiveness Date: 09-Dec-2015
Planned Mid Term Review Date: 30-Apr-2018	Actual Mid-Term Review Date: 04-May-2018
Original Closing Date: 30-Sep-2021	Revised Closing Date: 30-Sep-2021

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objective is to help increase access to electricity in Myanmar.

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)

The objective of the Project is to help increase access to electricity in Myanmar, and to provide immediate and effective response in case of an Eligible Crisis or Emergency.

Components

Name

Grid extension:(Cost \$321.25 M)
Off-grid electrification:(Cost \$172.00 M)
Technical assistance:(Cost \$20.00 M)
Contingent emergency response:(Cost \$13.75 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Moderately Satisfactory	● Moderately Satisfactory
Overall Implementation Progress (IP)	● Moderately Satisfactory	● Moderately Satisfactory
Overall Risk Rating	● High	● High

Implementation Status and Key Decisions

Overall, the project has been progressing very well having provided 1.2 million people with electrification access through off-grid measures and grid extension.

On the grid component, all main contracts for Phase 1 roll-out of grid extension have been signed and the procurement activity for the Phase 2 materials and works has started. The key remaining issue is to accelerate building of low-voltage (LV) network for villages in Phase 1 and 2 roll out to realize the goal of electricity reaching the household.

On the off-grid component, solar home systems (SHS) sub-component has been very well implemented. Nearly 80% of the targeted 456,500 SHS installations will be reached and the number of systems for public facilities and streetlights exceeding target by 71% by mid-2020 after completion of three rounds of international competitive bidding (ICB). The mission commended DRD's efforts in ensuring the long-term sustainability of the off-grid program. The mini-grid sub-component has 29 projects approved under second call for proposals (CfP2) for a total of 37 signed projects at a total investment of US\$14.2 million, benefiting 5,158 households, 96 public facilities, 2,197 streetlights and 953 productive end users. The main issues with development of mini-grids at the current pace are low productive uses in the villages, financing issues with local developers, and the risk of early grid arrival, given haphazard grid extension by regional governments lacking coordination with NEP program.

An Access Working Group which includes MoEE and DRD has met regularly to resolve policy bottlenecks and implementation challenges affecting the Government's electrification program.

Regarding the results-based financing to support private sector in solar commercial market development, once the Grant Agreement is signed between WB and DRD, the Bank team will support DRD in moving into implementation.

Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

To help increase access to electricity in Myanmar				
► People provided with access to electricity by household connections (Number, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,096,124.00	1,200,776.00	5,672,500.00

Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	31-Mar-2021
↙ Grid (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	22,924.00	51,836.00	3,212,500.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	31-Mar-2021
↙ Off-grid / mini-grid – Only renewable sources (SHS, mini-hydro mini-grids) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,058,920.00	1,148,940.00	2,282,500.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	31-Mar-2021
↙ Off-grid / mini-grid – Any source except only renewable (Hybrid solar mini-grid) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	14,280.00	24,270.00	177,500.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	31-Mar-2021
↙ Female Beneficiaries (Number, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	548,052.00	600,388.00	2,836,200.00
▶ Community electricity connections. Of which: (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	8,053.00	9,202.00	21,400.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	31-Mar-2021
↙ Grid (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	122.00	176.00	10,000.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	31-Mar-2021
↙ Off-grid / mini-grid – Only renewable sources (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	7,931.00	9,026.00	11,400.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	31-Mar-2021
▶ Public lighting (Number, Custom)				

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	25,133.00	28,792.00	132,000.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	30-Sep-2021
▲Grid (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,703.00	2,963.00	113,000.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	30-Sep-2021
▲Off-grid / mini-grid (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	22,430.00	25,829.00	19,000.00
Date	16-Dec-2015	30-Nov-2018	26-Jun-2019	30-Sep-2021

Intermediate Results Indicators by Components

Grid extension				
▶Distribution lines constructed or rehabilitated under the project (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	74.07	166.32	17,800.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	31-Mar-2021
▶Transformers installed (Kilovolt-Ampere(KVA), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	10,150.00	11,350.00	664,000.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	31-Mar-2021
▶Households connected to grid electricity (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5,731.00	11,781.00	645,000.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	31-Mar-2021
▶Greenhouse gas reductions (grid connections) in ktCO₂e (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target

Value	0.00	2.44	2.44	275.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	30-Sep-2021

Off-grid electrification

►Households served with solar (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	211,784.00	229,484.00	456,500.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	30-Sep-2021

►Households connect to mini-grid (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,856.00	8,158.00	35,500.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	30-Sep-2021

►Greenhouse gas reductions (solar home systems) -- ktCO2e (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	82.00	89.00	190.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	31-Mar-2021

Technical Assistance and Project Management

►National Electrification Executive Secretariat adequately staffed and functional (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	50.00	82.00	100.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	30-Sep-2021

►People trained - grid (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	576.00	758.00	16,500.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	31-Mar-2021

►People trained- Off-grid (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
--	----------	-------------------	------------------	------------

Value	0.00	1,439.00	1,934.00	3,900.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	31-Dec-2021

Citizen Engagement

► Villages or wards where at least one public consultation is held – Grid (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	68.00	68.00	5,000.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	30-Sep-2021

► Villages or wards where at least one public consultation is held – Off-grid (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6,874.00	4,344.00	3,800.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	30-Sep-2021

Contingent Emergency Response

► Goods procured and distributed as outlined in the CERIP (Amount(USD), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	12,000,000.00	12,000,000.00	13,755,000.00
Date	16-Sep-2015	30-Nov-2018	26-Jun-2019	30-Sep-2021

Data on Financial Performance

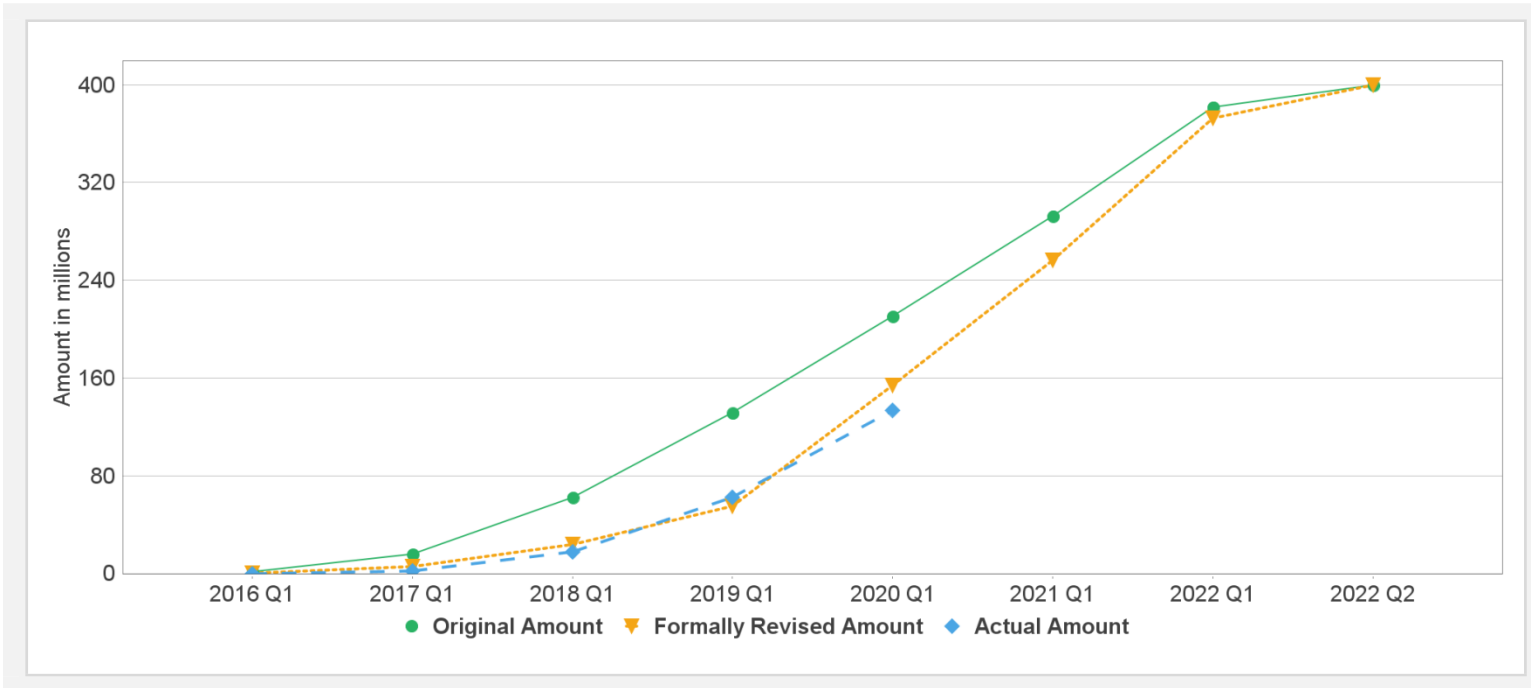
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P152936	IDA-57270	Effective	USD	400.00	400.00	0.00	133.77	264.81	34%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P152936	IDA-57270	Effective	16-Sep-2015	03-Nov-2015	09-Dec-2015	30-Sep-2021	30-Sep-2021

Cumulative Disbursements



Restructuring History

Level 1 Approved on 23-Aug-2017

Related Project(s)

P166413-Myanmar RBF for Off-grid Solar