



National Electrification Project (P152936)

EAST ASIA AND PACIFIC | Myanmar | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2016 | Seq No: 4 | ARCHIVED on 26-Jul-2017 | ISR29017 |

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:--

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?
No

Components

Name

Grid extension:(Cost \$375.00 M)

Off-grid electrification:(Cost \$172.00 M)

Technical assistance:(Cost \$20.00 M)

Contingent emergency response

Overall Ratings

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



Implementation Status and Key Decisions

Both Grid Extension and Off-Grid Components have made notable progress since the last implementation status report. The Grid Extension Component has picked up pace after a lull first year of implementation. On the Off-Grid Component, installation of 145,000 solar home/public systems and 2,100 street lights under the first supply and installation contract (ICB I) commenced in mid-May 2017 and are expected to complete in September 2017. The second SHS tender (ICB II) of approximately 95,000 solar home and public systems and 5,000 street lights is under bid evaluation. Eight solar mini-grids serving about 1,500 households are under construction and expected to be commissioned in August 2017.

Nonetheless, implementation remains hampered by cumbersome approval process in the government for consultancies and the limited leadership and manpower in the PMO. As a result, the grid component is approximately one year behind original schedule.

MOEE has indicated the need to have installation of the distribution systems financed under IDA credits due to the shortfall in government budget. It is estimated that the installation of the distribution systems to over 5,000 villages could cost about US\$40 million. Installation is critical to the success of the Project and requires careful planning and coordination with the delivery of goods and materials.

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	● High	● High
Environment and Social	● Substantial	● Substantial	● Substantial
Stakeholders	● Substantial	● Substantial	● Substantial
Other	--	--	--
Overall	● High	● High	● High

Results

Project Development Objective Indicators

► People provided with new or improved electricity service (Number, Corporate)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	353,500.00	6,210,000.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	31-Mar-2021



▲ Ppl pvd wth elec. by hhold conn.–Offgrid/minigrid–Any source except only renewable (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	177,500.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	31-Mar-2021

▲ People provided with access to electricity by hhold connections-Grid (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	3,750,000.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	31-Mar-2021

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	353,500.00	2,282,500.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	31-Mar-2021

▲ Female Beneficiaries (Number, Custom Supplement)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	183,000.00	3,216,000.00

► Community electricity connections constructed under the project (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	1,354.00	23,000.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	31-Mar-2021

▲ Community electricity connections constructed –Grid (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	11,600.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	31-Mar-2021

▲ Community elec. connections constructed–Offgrid/minigrd–Only renewable sources (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	1,354.00	11,400.00
Date	16-Sep-2015	--	30-Jun-2017	31-Mar-2021

► Public lighting - grid (Number, Custom)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	132,000.00
Date	16-Sep-2015	13-Jul-2016	30-Jun-2017	31-Mar-2021

► Public lighting - off-grid (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	6,763.00	19,000.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	31-Mar-2021

Overall Comments

On the off-grid component, installation of 145,000 solar home and public systems under ICB-I commenced mid-May after pilot installations in all 12 lots were approved. The first shipment of equipment arrived in Yangon port in April and the last shipment is expected to arrive in Yangon late June 2017. Two consulting firms (IVA or inspection and verification agents) have been hired to carry out inspection and verification of installation, a key step for payment.

Installation of grid extension component has yet to be started.

Intermediate Results Indicators

► Distribution lines constructed or rehabilitated under the project (Kilometers, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	20,700.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	31-Mar-2021



▲ Distribution lines constructed under the project (Kilometers, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	20,700.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	31-Mar-2021

▲ Distribution lines rehabilitated under the project (Kilometers, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	0.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	31-Mar-2021

▶ Transformers installed (Kilovolt-Amphere(KVA), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	772,000.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	31-Mar-2021

▶ Households connected to grid electricity (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	750,000.00
Date	16-Sep-2015	--	30-Jun-2017	31-Mar-2021



► Greenhouse gas reductions (grid) kt CO₂e (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	29.00	305.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	31-Mar-2021

► Households served with solar (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	70,700.00	456,500.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	31-Mar-2021

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	35,500.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	31-Mar-2021

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	190.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	31-Mar-2021



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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	50.00	50.00	100.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	29-Dec-2017

► People trained - grid (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	260.00	16,500.00
Date	16-Sep-2015	--	30-Jun-2017	31-Mar-2021

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	440.00	3,900.00
Date	16-Sep-2015	--	30-Jun-2017	31-Dec-2021

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	5,300.00
Date	16-Sep-2015	--	30-Jun-2017	31-Mar-2021



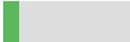
► Villages where at least one public consultation is held: off-grid (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	3,800.00
Date	16-Sep-2015	15-Dec-2016	30-Jun-2017	31-Mar-2021

Overall Comments

Data on Financial Performance

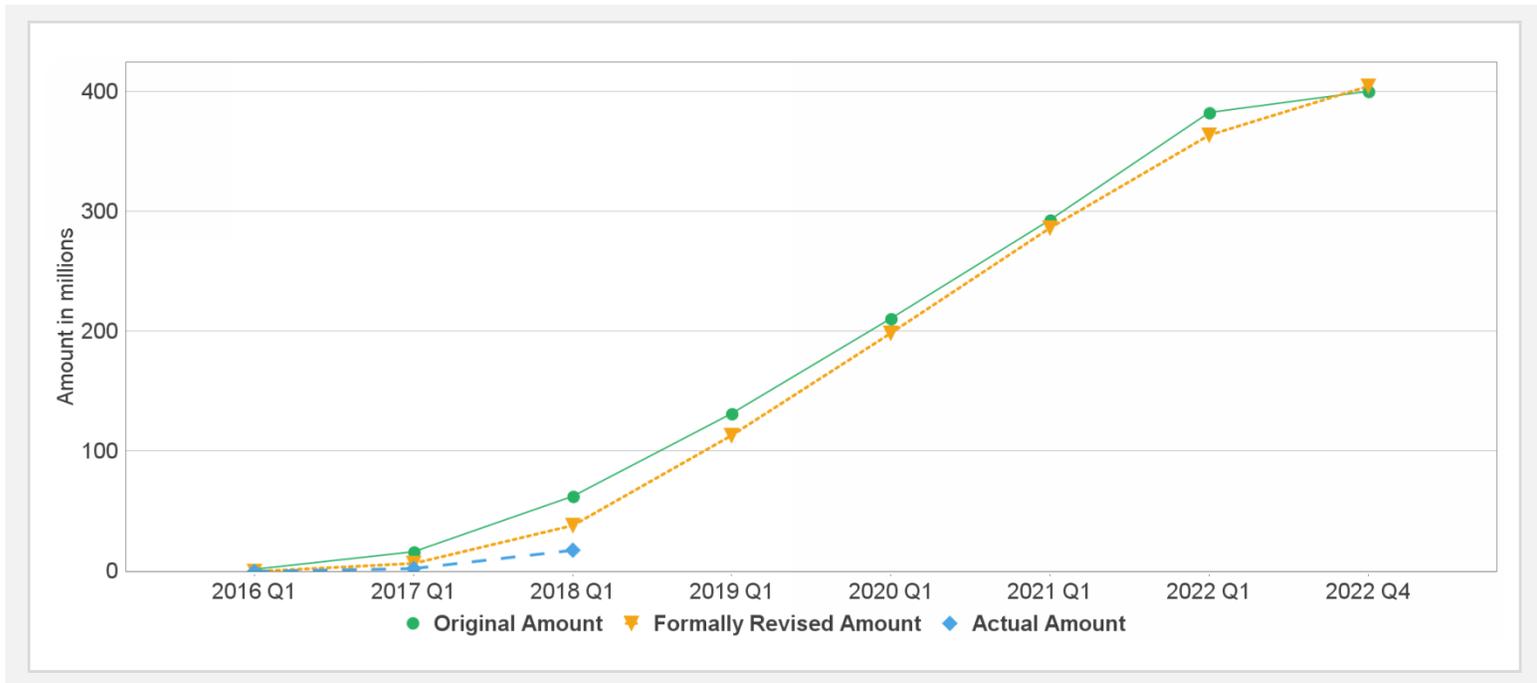
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P152936	IDA-57270	Effective	USD	400.00	400.00	0.00	17.49	381.28	 4%

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

There has been no restructuring to date.

Related Project(s)

There are no related projects.