



## Power Grid Improvement Project (P149599)

EAST ASIA AND PACIFIC | Lao People's Democratic Republic | Energy & Extractives Global Practice | IBRD/IDA | Investment Project Financing | FY 2015 | Seq No: 3 | ARCHIVED on 29-Sep-2016 | ISR25118 |

Implementing Agencies: ELECTRICITE DU LAOS

### Key Dates

#### Key Project Dates

Bank Approval Date:23-Jun-2015

Effectiveness Date:30-Dec-2015

Planned Mid Term Review Date:31-May-2018

Actual Mid-Term Review Date:--

Original Closing Date:31-Mar-2020

Revised Closing Date:31-Mar-2020

### Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objective is to help improve efficiency and reliability of power distribution in the selected load areas served by EDL.

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

No

### Components

Name

Smart metering, distribution improvement and distribution losses reduction:(Cost \$19.00 M)

Electric utility information system:(Cost \$6.00 M)

Institutional capacity building and project implementation support:(Cost \$5.00 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                  | ● Moderate                | ● Moderate                |



## Implementation Status and Key Decisions

**Project Implementation and Disbursement.** The overall project implementation progress is moderately satisfactory, following project effectiveness in December 2015. Many key goods and technical assistance packages to help improve efficiency and reliability of power distribution in the selected load areas served by EDL, are now in an advanced stage of procurement. The physical implementation of distribution upgrade, distribution automation, and the roll out of advanced metering infrastructure will step up in 2017 and are scheduled for completion prior to the project closing in 2020.

## Risks

### Systematic Operations Risk-rating Tool

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

## Results

### Project Development Objective Indicators

| ► Average interruption frequency per year in the project area (Text, Custom) |   |                   |                  |   |
|--|---|-------------------|------------------|---|
|  | Baseline                                | Actual (Previous) | Actual (Current) | End Target                              |
| Value  | Not Available                           | Work in progress  | Work in progress | 10% or more improvement of the baseline |
| Date   | 31-Dec-2014                             | --                | 03-Aug-2016      | 31-Mar-2020                             |
| Comments   | Procurement of goods and TA in progress |                   |                  |   |



▾ Customers served in the project area (Number, Custom Supplement)

|       | Baseline | Actual (Previous) | Actual (Current) | End Target |
|-------|----------|-------------------|------------------|------------|
| Value | 47060.00 | 47060.00          | 51617.00         | 67500.00   |

► Electricity losses per year in the project area (Percentage, Custom)

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
|-------|-------------|-------------------|------------------|-------------|
| Value | 24.00       | 24.00             | 21.58            | 14.00       |
| Date  | 31-Dec-2014 | 10-Mar-2016       | 03-Aug-2016      | 31-Mar-2020 |

Comments

The electricity losses per year in the project area is 21.58 (data for full-year 2015).  
Procurement of goods and TA is in progress.

▾ Total net injected generation (Megawatt hour(MWh), Custom Supplement)

|       | Baseline  | Actual (Previous) | Actual (Current) | End Target |
|-------|-----------|-------------------|------------------|------------|
| Value | 239100.00 | 239100.00         | 316200.00        | 335500.00  |

► Direct project beneficiaries (Number, Core)

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
|-------|-------------|-------------------|------------------|-------------|
| Value | 207000.00   | 207000.00         | 207000.00        | 297000.00   |
| Date  | 31-Dec-2014 | 10-Mar-2016       | 03-Aug-2016      | 31-Mar-2020 |

Comments

Direct project beneficiaries is 207,000 (based on number of customers in 2015).



#### Female beneficiaries (Percentage, Core Supplement)

|       | Baseline | Actual (Previous) | Actual (Current) | End Target |
|-------|----------|-------------------|------------------|------------|
| Value | 50.00    | 50.00             | 50.00            | 50.00      |

#### Overall Comments

#### Intermediate Results Indicators

##### Residential electric meters installed (Number, Custom)

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
|-------|-------------|-------------------|------------------|-------------|
| Value | 0.00        | 0.00              | 0.00             | 15000.00    |
| Date  | 31-Dec-2014 | 10-Mar-2016       | 03-Aug-2016      | 31-Mar-2020 |

#### Comments

Procurement of electric meters will commence in 2017, based on inputs from AMI consultancy.

##### Non-residential electric meters installed (Number, Custom)

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
|-------|-------------|-------------------|------------------|-------------|
| Value | 0.00        | 0.00              | 0.00             | 1500.00     |
| Date  | 31-Dec-2014 | 10-Mar-2016       | 03-Aug-2016      | 31-Mar-2020 |



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

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
|-------|-------------|-------------------|------------------|-------------|
| Value | 0.00        | 0.00              | 0.00             | 300.00      |
| Date  | 31-Dec-2014 | 10-Mar-2016       | 03-Aug-2016      | 31-Mar-2020 |

Comments

Procurement of goods is now in progress. Implementation will commence late 2016.

► Fiber optic cables (Kilometers, Custom)

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
|-------|-------------|-------------------|------------------|-------------|
| Value | 0.00        | 0.00              | 0.00             | 100.00      |
| Date  | 31-Dec-2014 | 10-Mar-2016       | 03-Aug-2016      | 31-Mar-2020 |

Comments

Procurement of fiber optic cables will be informed by AMI consultancy.

► Average duration of outages in the project area (Text, Custom)

|       | Baseline      | Actual (Previous) | Actual (Current)  | End Target                              |
|-------|---------------|-------------------|-------------------|---|
| Value | Not Available | Work in progress. | Work in progress. | 10% or more improvement of the Baseline |
| Date  | 31-Dec-2014   | --                | 03-Aug-2016       | 31-Mar-2020                             |

Comments

Baseline will be established in 2017 as part of the AMI consultancy.



► Number of months to issue audited financial statements (Number, Custom)

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
|-------|-------------|-------------------|------------------|-------------|
| Value | 9.00        | --                | 10.00            | 4.00        |
| Date  | 31-Dec-2013 | --                | 03-Aug-2016      | 31-Mar-2020 |

Comments

The number of months to issue audited financial statements is 10 (based on the latest update on 31 December 2014)  
Procurement of new FMIS and TA is now in progress.

► Updated financial action plan for financial sustainability (Number, Custom)

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
|-------|-------------|-------------------|------------------|-------------|
| Value | 0.00        | 0.00              | 0.00             | 1.00        |
| Date  | 31-Dec-2014 | 10-Mar-2016       | 03-Aug-2016      | 31-Mar-2020 |

Comments

Not yet due.

► Number of staff undergo training (Number, Custom)

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
|-------|-------------|-------------------|------------------|-------------|
| Value | 0.00        | 0.00              | 0.00             | 50.00       |
| Date  | 31-Dec-2014 | 10-Mar-2016       | 03-Aug-2016      | 31-Mar-2020 |

Comments

Preparation work is in progress.



▶ EDL publishing summary reports of impacted household feedback received during project implementation (Yes/No, Custom)

|          | Baseline     | Actual (Previous) | Actual (Current) | End Target  |
|----------|--------------|-------------------|------------------|-------------|
| Value    | N            | --                | N                | Y           |
| Date     | 31-Dec-2014  | --                | 03-Aug-2016      | 31-Mar-2020 |
| Comments | Not yet due. |                   |                  |             |


▶ EDL publishing reports on grievance redress mechanism and how issues were resolved (Yes/No, Custom)

|          | Baseline     | Actual (Previous) | Actual (Current) | End Target  |
|----------|--------------|-------------------|------------------|-------------|
| Value    | N            | N                 | N                | Y           |
| Date     | 31-Dec-2014  | 10-Mar-2016       | 03-Aug-2016      | 31-Mar-2020 |
| Comments | Not yet due. |                   |                  |             |

Overall Comments

## Data on Financial Performance

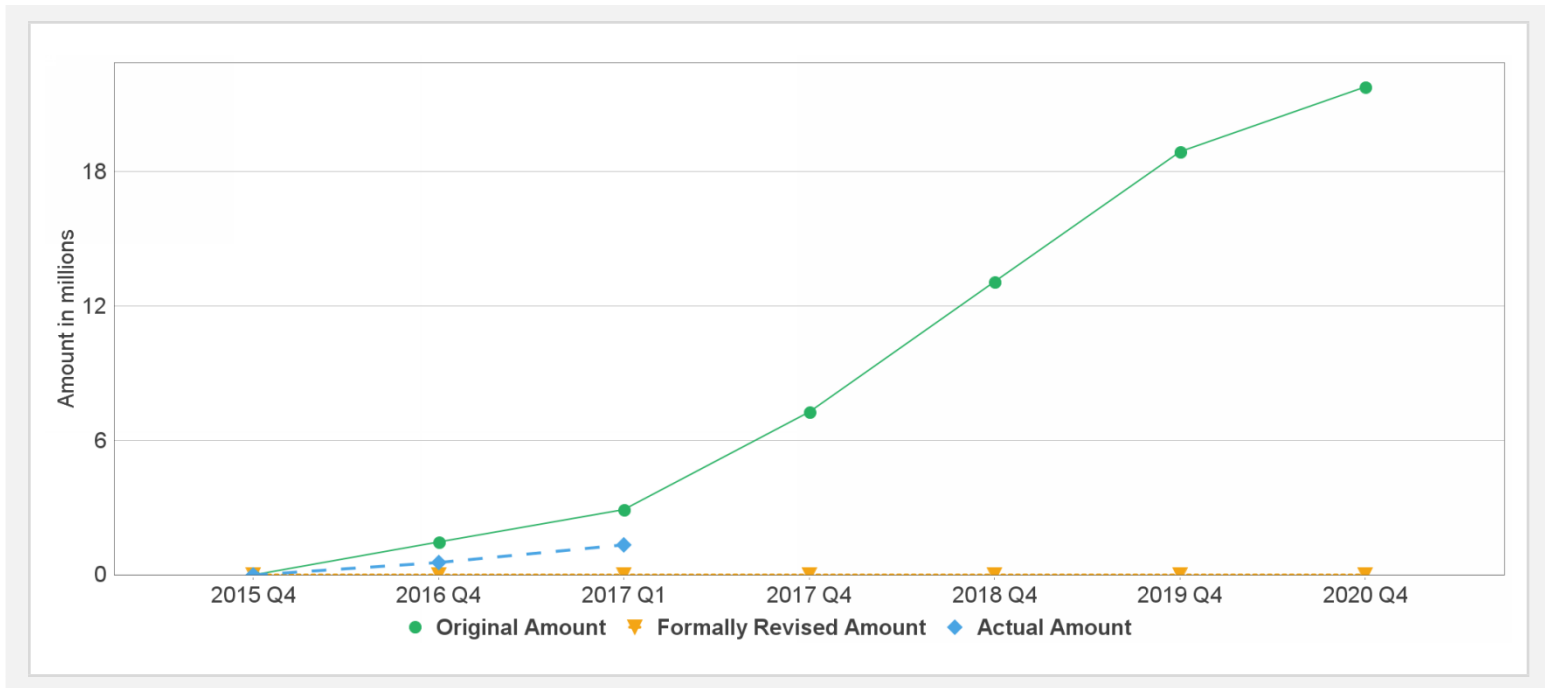
### Disbursements (by loan)

| Project | Loan/Credit/TF | Status    | Currency | Original | Revised | Cancelled | Disbursed | Undisbursed | Disbursed  |
|---------|----------------|-----------|----------|----------|---------|-----------|-----------|-------------|--|
| P149599 | IDA-56750      | Effective | XDR      | 21.40    | 21.40   | 0.00      | 1.33      | 20.07       |  6% |

### Key Dates (by loan)

| Project | Loan/Credit/TF | Status    | Approval Date | Signing Date | Effectiveness Date | Orig. Closing Date | Rev. Closing Date |
|---------|----------------|-----------|---------------|--------------|--------------------|--------------------|-------------------|
| P149599 | IDA-56750      | Effective | 23-Jun-2015   | 17-Aug-2015  | 30-Dec-2015        | 31-Mar-2020        | 31-Mar-2020       |

### Cumulative Disbursements



## Restructuring History

There has been no restructuring to date.

## Related Project(s)

There are no related projects.