



## Bangladesh: Rural Electricity Transmission and Distribution Project (P129920)

SOUTH ASIA | Bangladesh | Energy & Extractives Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2014 | Seq No: 13 | ARCHIVED on 24-Jun-2020 | ISR41215 |

Implementing Agencies: Government of Bangladesh, Bangladesh Rural Electrification Board, Power Grid Company of Bangladesh (PGCB)

**Key Dates****Key Project Dates**

Bank Approval Date: 27-Feb-2014

Effectiveness Date: 16-Sep-2014

Planned Mid Term Review Date: 13-Jan-2019

Actual Mid-Term Review Date: 21-Apr-2019

Original Closing Date: 30-Jun-2020

Revised Closing Date: 30-Jun-2021

**Project Development Objectives**

Project Development Objective (from Project Appraisal Document)

The proposed Project development objectives are to reduce system losses and enhance capacity in the rural distribution network of primarily the eastern part of Bangladesh.

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

No

**Components Table**

Name

Rural Grid Augmentation and Rehabilitation:(Cost \$485.00 M)

Transmission Enhancement:(Cost \$106.00 M)

Institutional Strengthening:(Cost \$9.00 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"/> Substantial  | <input type="checkbox"/> Substantial  |

**Implementation Status and Key Decisions**

The project continues to be on track and has been performing satisfactorily. It has surpassed expectations in some key indicators (system loss reduction and construction/rehabilitation of distribution lines). Construction of the transmission enhancement component by PGCB has advanced with an overall progress of 97%, restoration of Keraniganj substation and construction of a small segment of 132 kV line connecting the substation continue. The closing date of the project is extended by one year to June 30, 2021 to ensure completion of all outstanding activities under the project. Implementation of the TA by BREB continues.



## Risks

### Systematic Operations Risk-rating Tool

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

## Results

### PDO Indicators by Objectives / Outcomes

Reduce system losses in the rural distribution network of primarily the eastern part of Bangladesh

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

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
|-------|-------------|-------------------|------------------|-------------|
| Value | 13.00       | 9.50              | 9.10             | 10.50       |
| Date  | 30-Jun-2013 | 15-Dec-2019       | 15-Jun-2020      | 30-Jun-2021 |

Electricity losses per year in the project area- Technical (Percentage, Custom Supplement)

|       | Baseline | Actual (Previous) | Actual (Current) | End Target |
|-------|----------|-------------------|------------------|------------|
| Value | 13.00    | 9.50              | 9.10             | 10.50      |

Enhance capacity in the rural distribution network of primarily the eastern part of Bangladesh

► MVA Capacity addition in the 33/11kV network of the Project PBSs (Number, Custom)

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



|   |             |                   |                  |             |
|---|-------------|-------------------|------------------|-------------|
| Value   | 0.00        | 1,700.00          | 1,800.00         | 1,800.00    |
| Date  | 30-Jun-2013 | 15-Dec-2019       | 15-Jun-2020      | 30-Jun-2021 |
| <b>► Direct project beneficiaries (Number, Custom)</b>        |             |                   |                  |             |
|   | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
| Value   | 25.00       | 22.00             | 22.00            | 25.00       |
| Date  | 30-Jun-2013 | 15-Dec-2019       | 15-Jun-2020      | 30-Jun-2021 |
| <b>□ Female beneficiaries (Percentage, Custom Supplement)</b> |             |                   |                  |             |
|   | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
| Value   | 56.00       | 56.00             | 56.00            | 56.00       |

### Intermediate Results Indicators by Components

|  |             |                   |                  |             |
|--|-------------|-------------------|------------------|-------------|
| <b>Rural Grid Augmentation and Rehabilitation</b>  |             |                   |                  |             |
| <b>► Distribution lines constructed or rehabilitated under the project (Kilometers, Custom)</b>          |             |                   |                  |             |
|  | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
| Value  | 0.00        | 6,410.00          | 7,150.00         | 6,249.00    |
| Date   | 30-Jun-2013 | 15-Dec-2019       | 15-Jun-2020      | 30-Jun-2021 |
| <b>□ Distribution lines constructed under the project (Kilometers, Custom Breakdown)</b>                 |             |                   |                  |             |
|  | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
| Value  | 0.00        | 4,546.00          | 5,286.00         | 5,362.00    |
| Date   | 30-Jun-2013 | 15-Dec-2019       | 15-Jun-2020      | 30-Jun-2021 |
| <b>□ Distribution lines rehabilitated under the project (Kilometers, Custom Breakdown)</b>               |             |                   |                  |             |
|  | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
| Value  | 0.00        | 1,864.00          | 1,864.00         | 887.00      |
| Date   | 30-Jun-2013 | 15-Dec-2019       | 15-Jun-2020      | 30-Jun-2021 |
| <b>► Number of distribution substations rehabilitated/constructed under the project (Number, Custom)</b> |             |                   |                  |             |
|  | Baseline    | Actual (Previous) | Actual (Current) | End Target  |



|       |             |             |             |             |
|-------|-------------|-------------|-------------|-------------|
| Value | 0.00        | 109.00      | 110.00      | 110.00      |
| Date  | 30-Jun-2013 | 15-Dec-2019 | 15-Jun-2020 | 30-Jun-2021 |

#### Transmission Enhancement

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

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
|-------|-------------|-------------------|------------------|-------------|
| Value | 0.00        | 367.00            | 385.00           | 389.00      |
| Date  | 30-Jun-2013 | 15-Dec-2019       | 15-Jun-2020      | 30-Jun-2021 |

##### □ Transmission lines rehabilitated under the project (Kilometers, Custom Breakdown)

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
|-------|-------------|-------------------|------------------|-------------|
| Value | 0.00        | 278.40            | 280.00           | 280.00      |
| Date  | 30-Jun-2013 | 15-Dec-2019       | 15-Jun-2020      | 30-Jun-2021 |

##### □ Transmission lines constructed under the project (Kilometers, Custom Breakdown)

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
|-------|-------------|-------------------|------------------|-------------|
| Value | 0.00        | 89.00             | 105.00           | 109.00      |
| Date  | 30-Jun-2013 | 15-Dec-2019       | 15-Jun-2020      | 30-Jun-2021 |

##### ► Number of Grid substations constructed or upgraded (Number, Custom)

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
|-------|-------------|-------------------|------------------|-------------|
| Value | 0.00        | 3.00              | 5.00             | 6.00        |
| Date  | 30-Jun-2013 | 15-Dec-2019       | 15-Jun-2020      | 30-Jun-2021 |

#### Institutional Strengthening

##### ► Environment and Social Unit Operational at PGCB (Text, Custom)

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target       |
|-------|-------------|-------------------|------------------|------------------|
| Value | No unit     | Unit Operational  | Unit Operational | Unit operational |
| Date  | 30-Jun-2013 | 31-Mar-2019       | 15-Jun-2020      | 30-Jun-2021      |

##### ► Environment and Social Unit Operational at BREB (Text, Custom)



|  | Baseline                                     | Actual (Previous)                      | Actual (Current)                             | End Target   |
|--|--|--|--|--|
| Value  | No unit                                      | Full-fledged Unit Operational          | Full-fledged Unit Operational                | Full-fledged unit operational  |
| Date   | 30-Jun-2013                                  | 31-Mar-2019                            | 15-Jun-2020                                  | 30-Jun-2021  |
| <b>► Design for an appropriate Quality and Reliability Indicators at BREB (Text, Custom)</b> |  |  |  |  |
|  | Baseline                                     | Actual (Previous)                      | Actual (Current)                             | End Target   |
| Value  | No tracking system in place                  | Draft design completed, review ongoing | Design completed.                            | Indicators included in Annual reports                                |
| Date   | 30-Jun-2013                                  | 15-Dec-2019                            | 15-Jun-2020                                  | 30-Jun-2021  |
| <b>► Computerization of Accounting System at BREB (Text, Custom)</b>                         |  |  |  |  |
|  | Baseline                                     | Actual (Previous)                      | Actual (Current)                             | End Target   |
| Value  | No system in place                           | Bids received and under evaluation.    | Contract awarded and the firm is working.    | BREB financial statements from computerized system                   |
| Date   | 30-Jun-2013                                  | 15-Dec-2019                            | 15-Jun-2020                                  | 30-Jun-2021  |
| <b>► Financial sustainability of the PBSs ensured (Text, Custom)</b>                         |  |  |  |  |
|  | Baseline                                     | Actual (Previous)                      | Actual (Current)                             | End Target   |
| Value  | No regular financial analysis                | Tariff application submitted to BERC   | Draft final report received, review ongoing. | Tariff application submitted to BERC following this study, if needed |
| Date   | 30-Jun-2013                                  | 15-Dec-2019                            | 15-Jun-2020                                  | 30-Jun-2021  |
| <b>► BREB capacity strengthened (Text, Custom)</b>   |  |  |  |  |
|  | Baseline                                     | Actual (Previous)                      | Actual (Current)                             | End Target   |
| Value  | Staff (1200) inadequate for system expansion | Completed                              | Completed                                    | Phased recruitment (80%)   |
| Date   | 30-Jun-2013                                  | 15-Dec-2019                            | 15-Jun-2020                                  | 30-Jun-2021  |

## Performance-Based Conditions

### Data on Financial Performance

#### Disbursements (by loan)

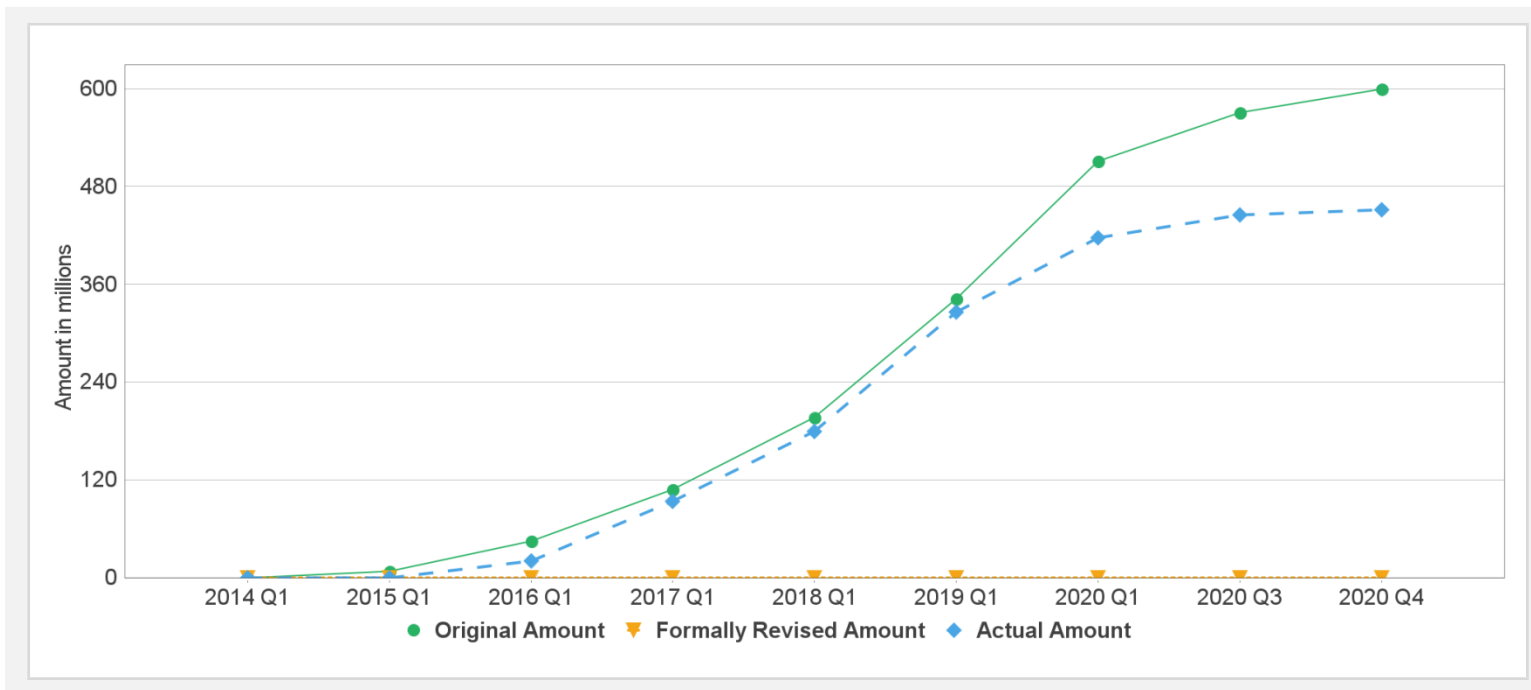


| Project | Loan/Credit/TF | Status    | Currency | Original | Revised | Cancelled | Disbursed | Undisbursed | % Disbursed |
|---------|----------------|-----------|----------|----------|---------|-----------|-----------|-------------|-------------|
| P129920 | IDA-53810      | Effective | USD      | 600.00   | 600.00  | 0.00      | 451.66    | 91.77       | 83%         |

**Key Dates (by loan)**

| Project | Loan/Credit/TF | Status    | Approval Date | Signing Date | Effectiveness Date | Orig. Closing Date | Rev. Closing Date |
|---------|----------------|-----------|---------------|--------------|--------------------|--------------------|-------------------|
| P129920 | IDA-53810      | Effective | 27-Feb-2014   | 19-Jun-2014  | 16-Sep-2014        | 30-Jun-2020        | 30-Jun-2021       |

**Cumulative Disbursements**



**PBC Disbursement**

| PBC ID | PBC Type | Description | Coc | PBC Amount | Achievement Status | Disbursed amount in Coc | Disbursement % for PBC |
|--------|----------|-------------|-----|------------|--------------------|-------------------------|------------------------|
|--------|----------|-------------|-----|------------|--------------------|-------------------------|------------------------|

**Restructuring History**

Level 2 Approved on 27-Jun-2018 ,Level Approved on 27-May-2020 ,Level 2 Approved on 03-Jun-2020

**Related Project(s)**



There are no related projects.

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