



Regional Electricity Access and BEST Project (P167569)

WESTERN AND CENTRAL AFRICA | Western and Central Africa | Energy & Extractives Global Practice | IBRD/IDA | Investment Project Financing | FY 2021 | Seq No: 5 | ARCHIVED on 22-Dec-2023 | ISR58899 |

Implementing Agencies: CI-Energies, ECOWAS, ECOWAS Directorate for Energy and Mines, Electricite du Mali (EDM), Islamic Republic of Mauritania, NIGELEC, Republic of Cote d'Ivoire, Republic of Mali, Republic of Niger, Republic of Senegal, SENELEC, SOMELEC

Key Dates

Key Project Dates

Bank Approval Date: 10-Jun-2021

Effectiveness Date: 11-Oct-2021

Planned Mid Term Review Date: 01-Jul-2024

Actual Mid-Term Review Date:

Original Closing Date: 31-Dec-2026

Revised Closing Date: 31-Dec-2026

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Project Development Objective is to increase access to grid electricity, enhance power system stability, and increase renewable energy integration in the West Africa Power Pool.

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

No

Components Table

| Name |
|---|
| Design, supply, and installation of electricity distribution infrastructure:(Cost \$286.00 M) |
| Design, supply, and installation of BEST equipment:(Cost \$131.00 M) |
| Supervision of the construction and technical advisory:(Cost \$12.00 M) |
| Project coordination and technical assistance:(Cost \$36.00 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"/> Moderately Satisfactory | <input type="checkbox"/> Moderately Satisfactory |
| Overall Risk Rating | <input type="checkbox"/> Substantial | <input type="checkbox"/> Substantial |

Implementation Status and Key Decisions

The project reached effectiveness in March 2022. Implementation status is as follows.

Component 1: Design, Supply, and Installation of Electricity Distribution Infrastructure

Tenders have been already launched for Mauritania and Niger for Supply and Installation and for Senegal for Design, Supply and Installation (DSI). Signing of the DSI contract with the selected bidder in Senegal is expected by end of November 2023. Procurement is expected to be completed in Mauritania and Niger in January 2024.

Component 2: Design, Supply and Installation of BEST equipment

The tender documents for the design, supply and installation of the battery energy storage equipment for Côte d'Ivoire, Mali and Niger were launched in September 2022. In Côte d'Ivoire, the contract with the successful bidder was signed on June 19, 2023. The agreed implementation



schedule provides the completion of the operational acceptance phase in July 2025. Overseas and on-site training is also planned for successful implementation. However, although the procurement process was also finalized for Mali and Niger, clarifications/negotiations with the bidder were deemed unsuccessful due to non-compliance with the technical specifications set out in the request for bids documents. The procurement process will be relaunched as soon as possible

Component 3: Supervision of the construction and technical advisory

The recruitment of the Owner's Engineer (CI) for the battery part has been completed and the contracts were signed by all the countries concerned in May 2023. The contracts are currently being implemented. With regard to the recruitment of the owner's engineers for the access component, the contracts with the selected bidder have been signed and the kick-off meeting was held on October 13, 2023.

Risks

Systematic Operations Risk-rating Tool

| Risk Category | Rating at Approval | Previous Rating | Current Rating |
|--|--------------------|-----------------|----------------|
| Political and Governance | ☐ Substantial | ☐ Substantial | ☐ High |
| Macroeconomic | ☐ Substantial | ☐ Substantial | ☐ High |
| 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 | ☐ Substantial | ☐ Substantial | ☐ Substantial |
| Stakeholders | ☐ Moderate | ☐ Moderate | ☐ Moderate |
| Other | -- | -- | -- |
| Overall | ☐ Substantial | ☐ Substantial | ☐ Substantial |

Results

PDO Indicators by Objectives / Outcomes

| Increase access to grid electricity | | | | |
|--|-------------|-------------------|------------------|--------------|
| ▶ People provided with new or improved electricity service (Number, Corporate) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 1,150,000.00 |
| Date | 30-Jul-2020 | 30-Mar-2023 | 21-Nov-2023 | 31-Dec-2026 |
| ☐ People provided with new or improved electricity service - Female (Number, Corporate Supplement) | | | | |



| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|-------|----------|-------------------|------------------|------------|
| Value | 0.00 | 0.00 | 0.00 | 510,000.00 |

Enhance power system stability, and increase renewable energy integration in the West Africa Power

► Additional firm capacity for frequency control provided (Megawatt, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|-------|-------------|-------------------|------------------|-------------|
| Value | 0.00 | 0.00 | 0.00 | 205.00 |
| Date | 30-Jun-2020 | 30-Mar-2023 | 21-Nov-2023 | 31-Dec-2022 |

► Private capital mobilized (Amount(USD), Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|-------|-------------|-------------------|------------------|-------------|
| Value | 0.00 | 0.00 | 0.00 | 100.00 |
| Date | 30-Jun-2021 | 30-Mar-2023 | 21-Nov-2023 | 31-Dec-2026 |

Comments: Private Sector Investment in New Renewable Energy

► Enabled additional capacity of renewable energy (Megawatt, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|-------|-------------|-------------------|------------------|-------------|
| Value | 0.00 | 0.00 | 0.00 | 200.00 |
| Date | 30-Jun-2020 | 30-Mar-2023 | 21-Nov-2023 | 30-Dec-2022 |

Comments: New Renewable capacity installed as a result of the BESS equipment added.

Intermediate Results Indicators by Components

Component 1: Design, supply & installation of electricity distribution infrastructure

► Distribution Lines constructed in Mauritania (Kilometers, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|-------|-------------|-------------------|------------------|-------------|
| Value | 0.00 | 0.00 | 0.00 | 3,000.00 |
| Date | 31-Dec-2020 | 30-Mar-2023 | 21-Nov-2023 | 31-Dec-2025 |

Comments: MV and LV lines constructed.



| ► Distribution lines constructed in Niger (Kilometers, Custom) | | | | |
|--|--|-------------------|------------------|-------------|
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 3,000.00 |
| Date | 31-Dec-2020 | 30-Mar-2023 | 21-Nov-2023 | 31-Dec-2025 |
| Comments: | MV and LV distribution lines constructed | | | |
| ► Distribution Lines constructed in Senegal (Kilometers, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 4,000.00 |
| Date | 31-Dec-2020 | 30-Mar-2023 | 21-Nov-2023 | 31-Dec-2025 |
| Comments: | MV and LV distribution lines constructed | | | |

| Component 2: Design, supply and installation of BESS equipment | | | | |
|--|--------------------------|-------------------|------------------|-------------|
| ► Battery Energy Storage System (BESS) installed in Cote d'Ivoire (Megawatt hour(MWh), Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 105.00 |
| Date | 30-Jun-2020 | 30-Mar-2023 | 21-Nov-2023 | 31-Dec-2025 |
| Comments: | Battery Storage capacity | | | |
| ► Battery Energy Storage System (BESS) installed in Mali (Megawatt hour(MWh), Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 80.00 |
| Date | 31-Dec-2020 | 30-Mar-2023 | 21-Nov-2023 | 31-Dec-2025 |
| Comments: | Battery Storage capacity | | | |
| ► Battery Energy Storage System (BESS) installed in Niger (Megawatt hour(MWh), Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 20.00 |
| Date | 31-Dec-2020 | 30-Mar-2023 | 21-Nov-2023 | 31-Dec-2025 |
| Comments: | Battery Storage capacity | | | |



| ▶ Additional trade facilitated by BESS (Megawatt hour(MWh), Custom) | | | | |
|---|-------------|-------------------|------------------|-------------|
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 120.00 |
| Date | 30-Jun-2021 | 30-Mar-2023 | 21-Nov-2023 | 31-Dec-2026 |

| Component 3: Supervision of the construction and technical advisory | | | | |
|---|---|-------------------|------------------|-------------|
| ▶ Investment Component contracted (Amount(USD), Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 63.60 | 400.00 |
| Date | 30-Jun-2021 | 30-Mar-2023 | 21-Nov-2023 | 30-Jun-2022 |
| Comments: | EPC contracts for the Investment components under procurement | | | |
| ▶ Investment Component Timely Reporting (Text, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | N/A | N/A | N/A | YES |
| Date | 30-Jun-2021 | 30-Mar-2023 | 21-Nov-2023 | 31-Dec-2026 |
| Comments: | Progress on physical implementation Reports | | | |

| Component 4: Project coordination and technical assistance | | | | |
|--|--------------------------------------|-------------------|------------------|-------------|
| ▶ Training Plan Prepared (Yes/No, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | No | Yes | Yes | Yes |
| Date | 30-Jun-2020 | 30-Mar-2023 | 21-Nov-2023 | 30-Jun-2022 |
| Comments: | Training Plan for ERERA, ICC and CEB | | | |
| ▶ Training program implemented (Yes/No, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | No | Yes | Yes | Yes |
| Date | 30-Jun-2020 | 30-Mar-2023 | 21-Nov-2023 | 30-Jun-2023 |



| | | | | |
|---|--|---------------------------------|--|---------------------------|
| Comments: | Activities under the Plan Implemented in ERERA, ICC and CEB | | | |
| ► Qualified team to operate the electricity market provided to ERERA (Percentage, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 100.00 |
| Date | 30-Jun-2021 | 30-Mar-2023 | 21-Nov-2023 | 30-Jun-2023 |
| □ Provided qualified team for ERERA to operate the electricity market, of which female recruits (Percentage, Custom Breakdown) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 20.00 |
| Date | 30-Jun-2021 | 30-Mar-2023 | 21-Nov-2023 | 30-Jun-2023 |
| ► Grievances received and addressed (Text, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | N/A | No grievances received to date. | No grievances received to date, just requests for information. | All grievances addressed. |
| Date | 30-Jun-2021 | 30-Mar-2023 | 21-Nov-2023 | 31-Dec-2026 |
| Comments: | Grievances registered related to project implementation received and addressed | | | |

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

| Project | Loan/Credit/TF | Status | Currency | Original | Revised | Cancelled | Disbursed | Undisbursed | % Disbursed |
|---------|----------------|-----------|----------|----------|---------|-----------|-----------|-------------|-------------|
| P167569 | IDA-68860 | Effective | USD | 27.50 | 27.50 | 0.00 | 0.00 | 24.60 | 0% |
| P167569 | IDA-68940 | Effective | USD | 52.50 | 52.50 | 0.00 | 0.00 | 46.90 | 0% |
| P167569 | IDA-68950 | Effective | USD | 64.50 | 64.50 | 0.00 | 0.00 | 57.58 | 0% |
| P167569 | IDA-69030 | Effective | USD | 70.00 | 70.00 | 0.00 | 16.79 | 48.28 | 26% |
| P167569 | IDA-D8200 | Effective | USD | 27.50 | 27.50 | 0.00 | 2.50 | 23.78 | 9.5% |
| P167569 | IDA-D8260 | Effective | USD | 52.50 | 52.50 | 0.00 | 3.68 | 45.81 | 7.4% |

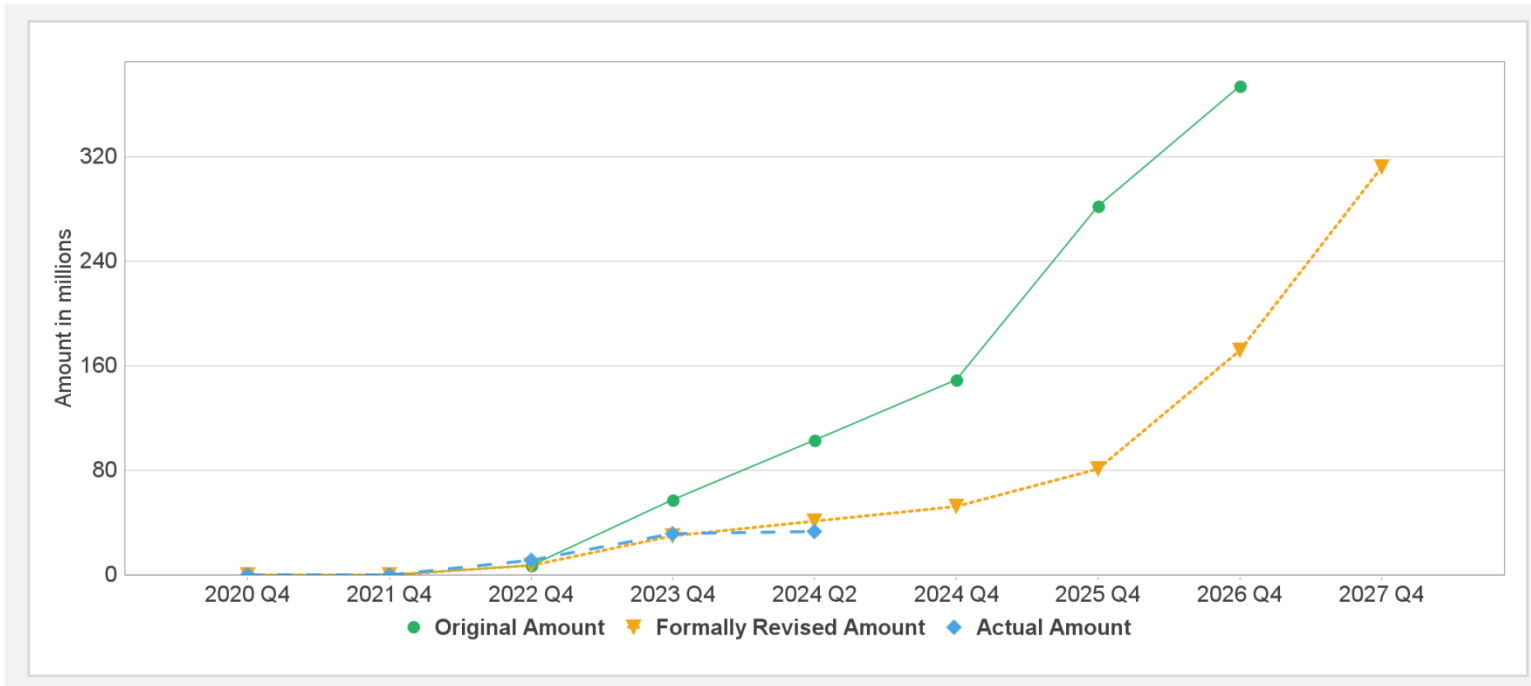


| | | | | | | | | | | |
|---------|-----------|-----------|-----|-------|-------|------|------|-------|----------------------------------|------|
| P167569 | IDA-D8270 | Effective | USD | 16.00 | 16.00 | 0.00 | 1.84 | 13.03 | <div style="width: 12%;"></div> | 12% |
| P167569 | IDA-D8280 | Effective | USD | 64.50 | 64.50 | 0.00 | 5.58 | 55.33 | <div style="width: 9.2%;"></div> | 9.2% |
| P167569 | IDA-D8340 | Effective | USD | 90.00 | 90.00 | 0.00 | 2.50 | 81.98 | <div style="width: 3%;"></div> | 3% |

Key Dates (by loan)

| Project | Loan/Credit/TF | Status | Approval Date | Signing Date | Effectiveness Date | Orig. Closing Date | Rev. Closing Date |
|---------|----------------|-----------|---------------|--------------|--------------------|--------------------|-------------------|
| P167569 | IDA-68860 | Effective | 10-Jun-2021 | 01-Oct-2021 | 30-Mar-2022 | 31-Dec-2026 | 31-Dec-2026 |
| P167569 | IDA-68940 | Effective | 10-Jun-2021 | 27-Aug-2021 | 28-Jan-2022 | 31-Dec-2026 | 31-Dec-2026 |
| P167569 | IDA-68950 | Effective | 10-Jun-2021 | 25-Jun-2021 | 05-Nov-2021 | 31-Dec-2026 | 31-Dec-2026 |
| P167569 | IDA-69030 | Effective | 10-Jun-2021 | 16-Jul-2021 | 14-Oct-2021 | 31-Dec-2026 | 31-Dec-2026 |
| P167569 | IDA-D8200 | Effective | 10-Jun-2021 | 01-Oct-2021 | 30-Mar-2022 | 31-Dec-2026 | 31-Dec-2026 |
| P167569 | IDA-D8260 | Effective | 10-Jun-2021 | 27-Aug-2021 | 28-Jan-2022 | 31-Dec-2026 | 31-Dec-2026 |
| P167569 | IDA-D8270 | Effective | 10-Jun-2021 | 28-Sep-2021 | 26-Oct-2021 | 31-Dec-2026 | 31-Dec-2026 |
| P167569 | IDA-D8280 | Effective | 10-Jun-2021 | 25-Jun-2021 | 05-Nov-2021 | 31-Dec-2026 | 31-Dec-2026 |
| P167569 | IDA-D8340 | Effective | 10-Jun-2021 | 13-Jul-2021 | 11-Oct-2021 | 31-Dec-2026 | 31-Dec-2026 |

Cumulative Disbursements





Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.
