



## CAR Emergency Electricity Supply and Access Project (P164885)

WESTERN AND CENTRAL AFRICA | Central African Republic | Energy & Extractives Global Practice | IBRD/IDA | Investment Project Financing | FY 2019 | Seq No: 7 | ARCHIVED on 22-Jun-2022 | ISR51710 |

Implementing Agencies: Central African Republic, Energie Centrafricaine (ENERCA), Ministry of Development of Energy and Water Resources (MDEWR), Ministry of Economy, Planning, and International Corporation

### Key Dates

#### Key Project Dates

Bank Approval Date: 28-Feb-2019

Effectiveness Date: 27-Jun-2019

Planned Mid Term Review Date: 18-Jul-2022

Actual Mid-Term Review Date:

Original Closing Date: 28-Feb-2024

Revised Closing Date: 28-Feb-2024

### Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The PDO is to increase electricity supply and access in Central African Republic.

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

No

### Components Table

Name

Component 1: Construction of a Solar PV Electricity Generation Plant:(Cost \$44.90 M)

Component 2: Strengthening of the transmission and distribution (T&D) networks:(Cost \$11.80 M)

Component 3: Institutional strengthening, capacity building, and project implementation support:(Cost \$8.30 M)

Component 4: Contingent emergency response

### Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately 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

Project implementation has progressed significantly over the last 6 months, especially for component 1 where civil works advanced and shipment of major equipment and materials are expected at the project site in July/August 2022. However, progress on component 2 has been marginal with compensation due project affected persons yet to be paid and archived. The delay has been due to series of verification measures to sanitize the payment system based on learnt lessons from previous compensation payment exercises.

Globally, the project implementation progress is evaluated at 50% and total disbursement expected to increase to 44% by the end of FY22. Mid-Term Review (MTR) has delayed due to unavailability of the identified consultant to travel to Central African Republic to support the PIU undertake and prepare the report siting Covid-19 and security issues. A new process has been launched to select a consultant and for the MTR to be conducted in July 2022.



**Component 1: Construction of a Solar PV Electricity Generation Plant (US\$44.9 million):**

This component is financing the design, supply, and installation contract of a 25 MWp solar PV plant with a 25 MWh battery energy storage system (BESS) located at Danzi which is about 20 km north of Bangui. It will also finance up to 3 years of an operations and maintenance (O&M) contract. Major equipment and material including PV panels had arrived at the port in Doula Cameroon since 23rd of May and currently enroute to the project site at Danzi. Expected to arrive by end of July. The perimeter wall of the project site, project office and the housing facility for workers have all been duly constructed. Civil works for the PV Solar plant has also advanced with mounting foundations completed. However, supplier for battery storage system under the contract has not been able to fulfill its commitment due to a suggested case of bankruptcy by the contractor Shanxi. The Bank team is supporting the PIU and Owners Engineer assist the contractor in finding a new supplier.

**Component 2: Strengthening of the transmission and distribution (T&D) networks (US\$11.8 million):**

This component is financing necessary T&D upgrades including the installation of new Supervisory control and data acquisition (SCADA) system and extension of distribution network. Due to budget constraints the construction of new power transformer substation has been added to the newly approved CAR-Electricity Sector Strengthening and Access Project (P176683 PARSE).

Distribution subcomponent: All equipment contracts are signed and effective. The pandemic restrictions delayed the verification of equipment and their shipment, in addition to the closing of the Douala-Bangui corridor. The situation has improved leading to the delivering of materials which were already at Douala Sea port with the exception of the wooden poles. Materials delivered are for the following lots( i) metallic poles, conductors and transformers. The utility (ENERCA) has also procured equipment to ensure installation which will start in July 2022. The WB team has approved reinforcing the ENERCA team with casuals to carry out the installation works. Delays on the delivery of wooden poles is due to the supplier's inability to fulfill its obligations. The Bank team is supporting the PIU resolve the challenge and find alternative solutions.

Transmission subcomponent: Works on SACADA facility commenced November and progressing steadily. constructed).

**Component 3: Institutional strengthening, capacity building, and project implementation support (US\$6.4 million):**

The contract for the OE is in place to continue supporting the PIU to supervise the construction of the solar plant. An amount of US\$0.6 million was reallocated to this component to cover for additional compensation of people affected by the project under component 2, bringing the maximum IDA coverage to US\$ 1.1 million. All studies planned under this component are underway with three (03) already concluded and validated. These are the tariff study, solar solutions for households and public buildings and safeguards studies for related to component 2 works. The PIU team has been reinforced with a Monitoring and Evaluation expert to support implementation and also the recruitment of a Communication Specialist is underway to support the energy projects.

**Risks**

**Systematic Operations Risk-rating Tool**

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

**Results**



**PDO Indicators by Objectives / Outcomes**

Increase electricity supply				
▶ Annual electricity generation dispatched from solar energy (Gigawatt-hour (GWh), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	37.00
Date	01-May-2018	29-Nov-2021	13-Jun-2022	28-Feb-2024
Comments:	The indicator measures the annual amount of electricity (in gigawatt hour) that is produced by the solar plant and transmitted to the existing transmission line Boali/Bangui.			

Increase electricity access				
▶ People provided with new or improved electricity service (Number, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	250,000.00
Date	01-Feb-2018	29-Nov-2021	13-Jun-2022	28-Feb-2024
□ 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	125,000.00

**Intermediate Results Indicators by Components**

Construction of a Solar PV Electricity Generation Plant				
▶ Generation capacity of energy constructed or rehabilitated (Megawatt, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	25.00
Date	01-May-2018	29-Nov-2021	29-Nov-2021	28-Feb-2024
□ Renewable energy generation capacity (other than hydropower) constructed under the project (Megawatt, Corporate Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	25.00



Date	01-May-2018	29-Nov-2021	29-Nov-2021	28-Feb-2024
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**Strengthening of the Transmission and Distribution Networks**

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	450.00
Date	01-May-2018	29-Nov-2021	29-Nov-2021	28-Feb-2024
Comments:	The indicator measures in kilometers (KM) the distribution lines rehabilitated or constructed under the project			

► Transmission and distribution substations rehabilitated or constructed (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	42.00
Date	01-May-2018	29-Nov-2021	29-Nov-2021	28-Feb-2024
Comments:	2 transmission substations (Bangui A and Bangui B) should be rehabilitated (including construction of a 25 MVA transformed in Bangui A), and 40 new low and medium voltage substations constructed			

► SCADA system installed and operated (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1.00
Date	01-May-2018	29-Nov-2021	29-Nov-2021	28-Feb-2024
Comments:	The indicator measures the number of SCADA systems that are installed and operational			

**Institutional Strengthening, Capacity Building, and Project Implementation Support**

► Number of ENERCA and MDEWR staff trained (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	30.00
Date	01-Feb-2018	29-Nov-2021	29-Nov-2021	28-Feb-2024
Comments:	The indicator measures in numbers the staff from ENERCA and MDEWR trained, of which the percentage of female staff trained			

□ percentage of female trained (Percentage, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
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Value	0.00	0.00	0.00	50.00
Date	01-May-2018	29-Nov-2021	29-Nov-2021	28-Feb-2024
<b>► Number of studies/frameworks completed (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	5.00
Date	01-May-2018	29-Nov-2021	29-Nov-2021	28-Feb-2024
Comments:	The indicator measures in number the studies and frameworks completed			
<b>► Share of grievances responded to and resolved (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	01-May-2018	29-Nov-2021	29-Nov-2021	28-Feb-2024
Comments:	Percentage of complaints and grievances recorded by the PIU and resolved.			

### Performance-Based Conditions

#### Data on Financial Performance

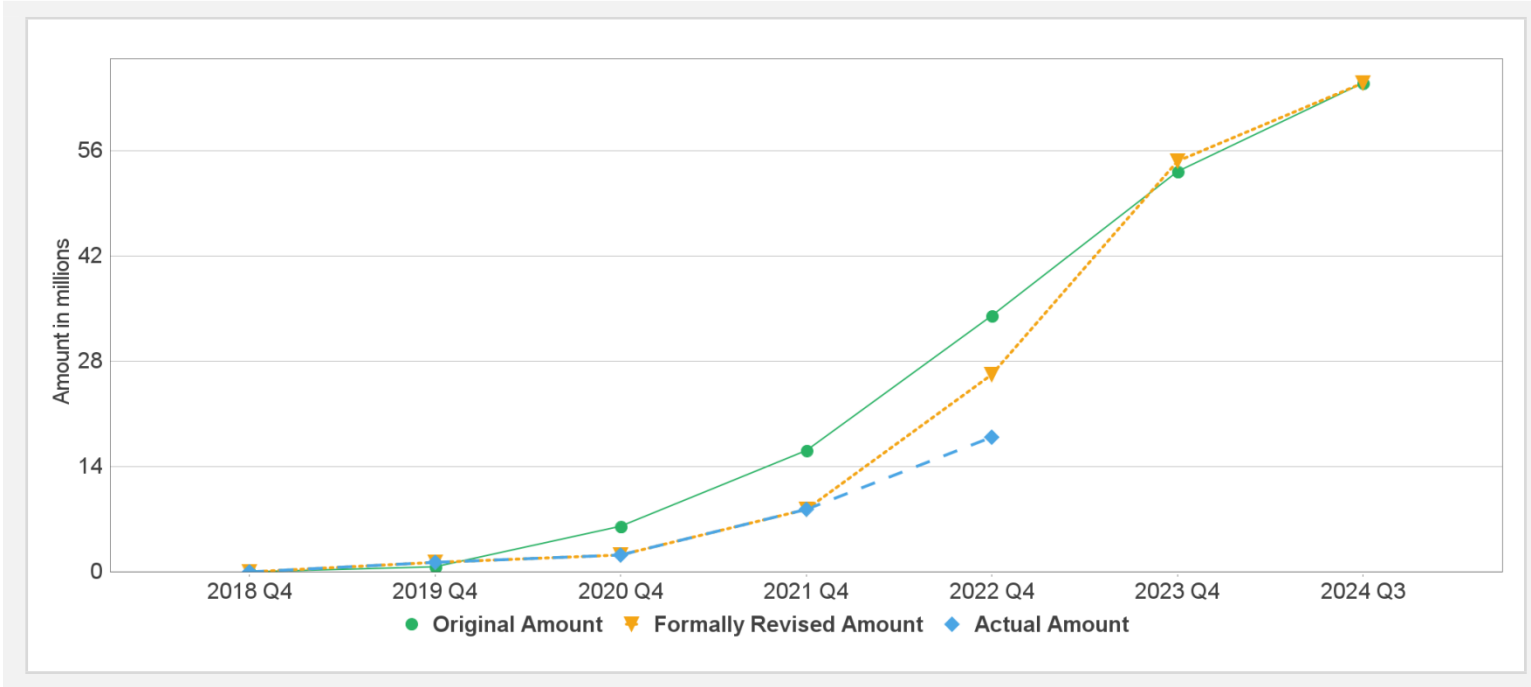
##### Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P164885	IDA-D4300	Effective	USD	65.00	65.00	0.00	17.88	46.03	28%

##### Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P164885	IDA-D4300	Effective	28-Feb-2019	09-Apr-2019	27-Jun-2019	28-Feb-2024	28-Feb-2024

### Cumulative Disbursements



**Restructuring History**

Level 2 Approved on 17-Dec-2020 ,Level 2 Approved on 05-Nov-2021

**Related Project(s)**

There are no related projects.