Early Warning System

WB-P173763

Second Djibouti-Ethiopia Power System Interconnection Project

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Quick Facts

Countries	Djibouti, Ethiopia
Financial Institutions	World Bank (WB)
Status	Active
Bank Risk Rating	A
Voting Date	2021-01-20
Borrower	Republic of Djibouti - Ministry of Economy and Finance
Sectors	Construction, Energy, Technical Cooperation
Investment Type(s)	Loan
Investment Amount (USD)	$ 45.00 million
Project Cost (USD)	$ 75.00 million

Project Description

According to bank documents, the Project objective is to enhance reliable and affordable electricity trade between Ethiopia and Djibouti.

The project has three components:

1. Transmission line from Galafi to Nagad and Nagad substation extension (preliminary estimated cost: US$72 million). The following subcomponents would be financed:
    i. Galafi-Nagad transmission line (cost: US$68 million, IDA credit: US$43.5 million). Construction of a new double circuit 230 kV transmission line from Galafi to Nagad of 190 km. Each circuit would have a rated power of 200 MVA. Galafi is on the Djiboutian side of the country's border with Ethiopia.

    ii. Nagad substation extension (cost: US$4.0 million, IDA credit: US$0 million). The scope of work at the proposed Nagad substation is to install a 170 m long double 230kV busbar (designed for operation with eight outgoing bays at 230kV, 50 Hz, 40 kA/3 sec, 2000A) at the existing substation site and fit two complete new outgoing 3150 A / 31,5 kA 230kV transmission line switch bays (comprising CTs, Surge arrestor, Circuit breaker, line isolator each fitted with a 10 MVAR fixed reactor and associated CT/Isolation facilities designed to compensate for the capacitance in the 292 km 230kV transmission line. In addition, the busbars will be fitted with a 25MVAR switchable reactor along with associated circuit breaker equipment as for the line switchbays.

2. Component 2: Technical Assistance, Capacity Building and Project Management (cost: US$3 million, IDA credit: US$1.5 million). The reinforcement of the connection of Combolcha to Semera is mandatory to avoid the risk of isolating the new interconnection from Ethiopia. This component will finance the cost of the project's implementation and oversight. Moreover, this subcomponent will include citizen engagement activities providing a voice to the project beneficiaries, including women and youth, and therefore involve bottom-up communication approaches, such as community meetings and beneficiary outreach in remote locations.

3. Contingency Emergency Response Component (cost: US$0 million, IDA credit: US$0 million). Providing support upon occurrence of an Energy Sector Emergency through: (a) the carrying out of Emergency Recovery and Rehabilitation Activities; and/or (b) technical assistance to support EDD in its response to an Energy Sector Emergency. Funds could then be reallocated to help finance activities of Component 3, if necessary.

Investment Description

- World Bank (WB)

Contact Information

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Bank Documents

- Concept Project Information Document (PID) - Second Djibouti-Ethiopia Power System Interconnection P [Original Source]