Early Warning System

WB-P177099

[MISSING] Access to Clean Resilient Electricity Project

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Quick Facts

Countries	Sao Tome and Principe
Financial Institutions	World Bank (WB)
Status	Proposed
Bank Risk Rating	B
Voting Date	2023-05-30
Borrower	Democratic Republic of Sao Tome and Principe
Sectors	Energy
Investment Type(s)	Grant
Investment Amount (USD)	$ 20.00 million
Project Cost (USD)	$ 33.50 million

Project Description

According to bank documents, the objective of the proposed project is to increase access to reliable electricity and facilitate integration of solar power generation in Sao Tome and Principe.

The project has four components:

1. Component 1: Variable Renewable Energy Scale-up through Deployment of Common Infrastructure (US$13 million equivalent, of which IDA US$8 million equivalent) This component aims to finance investments to accommodate grid-connected utility-scale renewable energy projects in STP in order to reduce the average cost of generation by increasing the share of (privately financed) solar PV in the country. The proposed ACRE project will support investments to strengthen the network to facilitate greater integration of the first 10-15 MWp of solar power into the power system, to displace thermal generation, reduce the costs of supply, reduce emissions, and diversify generation sources.
    i. Subcomponent 1.1: Site preparation for utility scale solar park with interconnection lines (US$5.6 million). This subcomponent will finance shared infrastructure for the integration of solar PV plants.
    ii. Subcomponent 1.2. Modernization of dispatch center and control systems (US$4.4 million). This subcomponent will finance the modernization of the national dispatch center and the supervisory control and data acquisition (SCADA) system on Sao Tome island.
    iii. Subcomponent 1.3. BESS to increase renewable energy generation (US$3 million). This subcomponent will finance battery storage in the Agua Casada Site and across the network to facilitate integration of solar power into the grid.
2. Component 2: Network Reinforcement and Electricity Access Expansion (US$11 million equivalent, of which IDA US$7 million equivalent) This component aims to finance critical electricity network improvements and new electricity connections through the following activities: (i) electricity network reinforcement and access expansion in underserved areas, (ii) on-grid connection payment program to help customers better afford connection costs, (iii) electrification of public facilities to build resilience and to enable the provision of better health and educational services; and (iv) last-mile electricity connections to contribute to the Government’s objectives of closing the energy access gap to foster greater inclusion.
    i. Subcomponent 2.1: Electricity network reinforcement and access expansion (US$8.8 million). This subcomponent will provide access to approximately 9,000 households, small businesses and public facilities (56 percent of current unconnected demand) by upgrading and expanding the 6 kV medium voltage (MV) and 0.4 kV low voltage (LV) distribution network and providing last mile connections in select areas of the country.
    ii. Subcomponent 2.2. Electrification of critical public facilities for resilient and inclusive post-COVID recovery (US$2.2 million) This subcomponent will finance both grid and off-grid (using solar systems) electrification for a subset of public schools in Sao Tome that lack access to electricity.
3. Component 3: Improved governance and institutional capacity building (US$9.5 million equivalent, of which IDA US$5 million equivalent) This component will build the capacity of sector institutions, namely MIRN, AGER and EMAE for improved policy formulation, policy implementation, regulation, and system operations in a sector undergoing transformation.
    i. Subcomponent 3.1: Improved Sector Governance (US$ 5.5 million) The actions to be financed under this subcomponent are part of the four-year management improvement plan (MIP) for EMAE
    ii. Subcomponent 3.2: Institutional capacity building, technical assistance, and project implementation support (US$ 4 million). This subcomponent will finance implementation of agreed aspects of the National Training Plan for the

Investment Description

- World Bank (WB)

Contact Information

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ACCESS TO INFORMATION

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