

Initial Project Summary – Djermaya Photovoltaic Power Plant Project

Project Location: Province of Hadjer Lamis, 30 km north of N'Djamena, Djermaya, Chad

Name of Applicant: - Djermaya Holdings Limited

Name of Project: Djermaya Holdings Limited

Project Description: The Project involves the development, construction, and operation of a 34 MW solar PV plant with solar single-axis trackers, 4 MWh battery storage system, and related interconnection facilities, located 30km north of N'Djamena, Chad on a 100 hectare site. A second phase of the Project on the same site will add 28 MW. The Project consists of:

- Construction of the PV plant that will include at maximum 103,226 modules of 72 cells each, which will generate a peak power of 32 MW, for an estimated energy output of 2,135 kWh/kW during the first year of operation;
- Construction of traffic roads, service buildings, collection of water and drainage system for runoff water from the site, fencing and security system, parking areas, a base camp and office during the construction phase, and staff accommodation during the operation phase;
- Installation of inverters, transformers, replacement conductors, etc. to facilitate the integration of the Project into the existing network; and
- Construction of a 17.7 km long medium voltage (33kV) power line that will connect the solar PV plant to an existing substation located in the locality of Lamadji, Chad. The future power line will generally go along the nearby national road.

The Project is linked to a nearby potential industrialization of land between Djermaya and N'Djamena and is located 450 m from the national road. The Project will be located on land granted by the Government of Chad. There are five small villages near the Project, with the closest Am Soukar less than 1 km away. Fulani nomadic camps settle at the Project site temporarily for short periods and Chadian nomadic groups in the dry season. It is estimated that approximately 15-20 expatriates will live in Djermaya or N'Djamena during construction and local workers will live at home.

Environmental and Social Categorization and Rationale: The Project has been reviewed against DFC's categorical prohibitions and determined to be categorically eligible. The Project is screened as Category A because it has significant economic displacement of vulnerable people (estimated 680). Primary environmental and social issues of concern include loss of livelihoods, safety and security, community health and safety, and occupational health and safety.

Environmental and Social Standards: DFC's preliminary environmental and social due diligence indicates that the Project will have impacts that must be managed in a manner consistent with the following of the International Finance Corporation's (IFC) 2012 Performance Standards:

- PS 1: Assessment and Management of Environmental and Social Risks and Impacts;
- PS 2: Labor and Working Conditions;
- PS 3: Resource Efficiency and Pollution Prevention;

- PS 4: Community Health, Safety, and Security;
- PS 5: Land Acquisition and Involuntary Resettlement: and
- PS 6: Biodiversity Conservation and Sustainable Management of Living Resources.

Based on a desk review, the Project is not expected to affect Indigenous People or Cultural Heritage. Therefore, PS 7 and PS 8 are not triggered by the Project at this time.

In addition to the Performance Standards listed above, the IFC's Environmental, Health, and Safety (EHS) General Guidelines (April 30, 2007), and the IFC's EHS Guidelines for Electric Power Transmission and Distribution (April 30, 2017) are applicable to the Project.

Location of Local Access to Project Information: The Project ESIA will be available for review at:

Djermaya CDEN Energy Sarl Office

Radisson Blu Hotel, Bureau 28, Quartier Sabangali, Cité du 1er décembre, N'Djamena, Tchad

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