

Initial Project Summary

Project Location: Freetown, Sierra Leone

Name of the Applicant: Philip Dyk

Name of the Project: CECA SL Generation Limited

Project Description: The Project involves the construction and operation of a thermal power plant with a gross capacity to generate 89.5 megawatts of electricity (MW_e). The CECA SL Generation Limited power plant will be located near the Kissy Dock which is 4 kms from the center of Freetown in Sierra Leone. The thermal power plant consists of two combustion turbines and one steam turbine. The CECA SL Generation Limited thermal power plant will connect to the existing transmission line at the Project site, which is connected to the local electricity grid. The main fuel for the power plant will be liquefied petroleum gas (LPG), which will be delivered by ship to the nearby jetty and will require a connecting pipeline of less than 1,300 meters in length. Diesel will be used as back-up fuel. The power plant is expected to convert to natural gas in the future. Desalinated water will be used for cooling, steam generation, and other uses at the plant. The Project site is located on an industrial plot which has a few residential, commercial, and industrial neighborhoods in its immediate vicinity.

Environment and Social Categorization and Rationale: The Project has been reviewed against the DFC's categorical prohibitions and determined to be categorically eligible. The Project is screened as Category A because the projected greenhouse gas emissions (of approximately 450,000 tons of carbon dioxide equivalent [CO_{2eq}] per year) exceed the 100,000 tons of CO_{2eq} per year threshold established under the DFC's Environmental and Social Policies and Procedures (2020). The primary environmental and social issues associated with the thermal power project are: air emissions (especially nitrogen oxides, sulfur oxides, and particulate matter) and ambient air quality impacts; surface water quality impacts from the discharge of wastewaters; waste disposal; process safety hazards associated with the handling of liquefied petroleum gas and other petroleum (flammable) products; occupational, health and safety during both construction and operations; life and fire safety; influx of construction workers; noise; community health, safety, and security; biodiversity impacts especially those associated with the effluent discharges and supporting infrastructure (electricity transmission and distribution line), and traffic impacts both during construction and operation of the power plant. The Project will not result in direct physical or economic displacement. Six artisanal fishermen who operate in the Project area will be monitored and assisted to ensure that their livelihoods are not jeopardized by increased shipping movements which are expected over time. Thirteen small farmers who were relocated under a previous project will be monitored to ensure that their livelihoods are not adversely affected by this Project's activities. A team of national experts carried out biodiversity surveys to confirm the presence or absence of sensitive ecosystems in the Project's area of influence. The survey did not identify any sensitive ecosystems which will be significantly adversely impacted. In addition, no contamination was reported by the site survey. A draft environmental and social impacts management plan has also been prepared as a part of the ESIA package to address the identified impacts.

Environmental and Social Standards: The International Finance Corporation's (IFC) Performance Standards (2012) 1 (Assessment and Management of Environmental and Social Risks and

Impacts), 2 (Labor and Working Conditions), 3 (Resource Efficiency and Pollution Prevention), 4 (Community Health, Safety, and Security), 5 (Land Acquisition and Involuntary Resettlement), and 6 (Biodiversity Conservation and Sustainable Management of Living Natural Resources) are triggered by the Project. However, the Project does not involve any impacts on Indigenous Peoples or cultural heritage as defined by the IFC. Therefore, Performance Standards (P.S.) 7 and 8 are not triggered by this Project at this time. The guidelines applicable to the Project include the IFC's Environmental, Health, and Safety (EHS) General Guidelines (April 2007), IFC's Environmental, Health, and Safety Guidelines for Electric Power Transmission and Distribution (April 30, 2007) and the IFC's Environmental, Health, and Safety Guidelines for Thermal Power Plants (December 19, 2008).

Location of Project Information in the Local Area:

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Freetown Sierra Leone