

Initial Project Summary

Project Location: Orgwu-Ogwe Town, Ukwa West Local Government Area (LGA), Abia State, Nigeria

Name of Applicant: Oma Power Generation Company Limited (Borrower)
Geometric Power Limited (Sponsor)
General Electric International Benelux B.V. (Sponsor)

Name of Project: Oma Independent Power Project

Project Description: The Project involves the design, construction, commissioning and operations of an approximately 500 megawatt (MW) gas-fired, simple-cycle power plant. Power generated by the Project will be exported to the national electrical grid under a 20-year Power Purchase Agreement with Nigerian Bulk Electricity Trading (NBET), a Federal Government of Nigeria owned Public Liability Company. The 22 hectare greenfield development is situated in Orgwu-Ogwe Town, Ukwa West Local Government Area, Abia State, Nigeria. The former agricultural land (mostly cassava fields interspersed with fallow areas) was purchased on a willing-seller basis. The closest communities are the Ugwunagbo and Ukwa West LGAs located within a 5 kilometer radius of the Project site. The Project will upgrade an existing 330 kilovolt (kV) transmission line located approximately 300 meters away to ensure adequate capacity for full output via the Transmission Company of Nigeria. The Project will have a Gas Sale Agreement with Seven Energy's Accugas Limited to supply natural gas to the power plant. Accugas will design, construct and operate a 30 km gas pipeline to supply the required 120 million standard cubic feet of natural gas per day (mmscfd) to the Oma Power Plant. The gas pipeline will be a spur off an existing Accugas East Horizon Gas Pipeline and will traverse two small streams and mainly arable land in several communities located in five LGAs of Abia and Akwa Ibom states. The Accugas East Horizon Gas Pipeline exports natural gas from the Uquo and Stubb Creek fields of the Niger Delta to the Project vicinity.

Environmental and Social Categorization and Rationale: The Project has been reviewed against OPIC's categorical prohibitions and determined to be categorically eligible. The Project is screened as Category A because its projected greenhouse gas emissions exceed 100,000 tons of carbon dioxide equivalent (CO_{2eq}) annually. Geometric Power Limited has prepared an Environmental and Social Impact Assessment of the Oma Independent Power Project to address the primary environmental and social issues associated with the gas-fired power plant including air emissions and cumulative ambient air quality impacts; water supply requirements and cumulative impacts to water quantity and quality, waste management and disposal, occupational, health and safety during construction and operations; life and fire safety; influx of construction workers; and cumulative noise and traffic impacts. The 30 km gas pipeline is an associated facility of the Oma Power Plant. Seven Energy/Accugas has prepared a Draft Environmental and Social Impact Assessment to address the primary environmental and social issues associated with the gas pipeline including community impacts and resettlement, waste management and disposal, occupational, health and safety during construction and operations, and life and fire safety.

Environmental and Social Standards: International Finance Corporation's (IFC) Performance Standards (January 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), are triggered by the Project. The Project does not involve involuntary resettlement or impacts on biodiversity and living natural resources, Indigenous Peoples, or cultural heritage as defined by IFC. Therefore, Performance Standards 5, 6, 7, and 8 are not triggered by this Project at this time. Guidelines applicable to the Project include the IFC's Environmental, Health and Safety General Guidelines (April 2007), IFC's Environmental, Health and Safety Guidelines for Electric Power Transmission and Distribution (April 2007) and the IFC's Environmental Health and Safety Guidelines for Thermal Power Plants (December 2008).

Location of Local Access to Project Information:

Geometric Power Limited's Oma Independent Power Project – Final ESIA
c/o: Ifeanyi Timothy Ononiwu
Director, Business Development & Project Finance
Geometric Power Generation Company Limited
No 5 River Benue Street
Maitama, Abuja FCT, Nigeria

Seven Energy/Accugas' Ukanafun-Oma Power Plant Gas Pipeline Project – Draft ESIA
c/o: Ndidi Ejekam
Senior Commercial Advisor, Gas Markets
Seven Exploration & Production Limited
35 Kofo Abayomi Street
Victoria Island, Lagos, Nigeria