Lebanon supplies approximately 1,500 megawatts of electricity; however, current demand exceeds this number by around 800 megawatts. The Lebanese community suffers from regular power cuts and electricity shortages; consequently, citizens resort to private generators and other alternative energy sources such as renewable energy. The current electricity crisis is widely spread in the country, with some areas suffering from more extreme shortages, receiving only 12 to 14 hours of power per day. To overcome these shortages, the Ministry of Energy and Water intends to develop and construct a new buried 36 inches Natural Gas transmission pipeline from Tripoli (North Lebanon) all the way to Tyr (South Lebanon). The constructed pipeline is to be connected to the existing 24 inches gas pipeline, and will pass through onshore and offshore predetermined localities. It aims at increasing the country’s power generation capacity; by acting as a delivery system for natural gas transportation to the electric power generation processing plants on the Lebanese coastal frontier.

The project consists of four phases:
- Phase 1: from Tripoli oil installations to Salaata.
- Phase 2: from Salaata to Greater Beirut.
- Phase 3: offshore Greater Beirut region.
- Phase 4: subsequent to Greater Beirut offshore, through Khaldeh region to Tyr.

The construction of onshore and offshore pipes necessitates an environmental impact assessment study. Due to time constraints and the current political instability in the country, the study conducted will be restricted to the third phase. The study will identify the most significant environmental and social impacts that might accrue from the natural gas pipeline construction and operation and suggest possible feasible and contextualized mitigation measures to prevent, minimize or compensate for these impacts and increase the environmentally acceptable outputs. An appropriate follow-up process with requirements for monitoring, management, audit and evaluation will be proposed to ensure environmentally sound and sustainable development.