

Kandahar Cement Factory Project

Project Summary

Subsector	Heavy Industry
Location	Kandahar, Afghanistan
Project Cost	\$90.0 Million
Project Type	Manufacturing
Project Executing Firm/Agency	Qaderi Group
Funding Agency	Not Identified



Project Outline

Hamid Qaderi is a prominent Afghan businessman who operates the foremost freight forwarding operations in Afghanistan. The Qaderi group proposes to establish a 1,500 metric ton per day cement plant in Kandahar to provide cement for reconstruction activities in the regional market surrounding this southern Afghan city. Based on a feasibility study conducted in 1975, the current government of Afghanistan has approved, in principle, the establishment of a cement plant in Kandahar, which presently has no such facility. According the earlier feasibility study, there are several good quality production inputs located nearby. There is also the possibility of exporting to neighboring countries. Presently, 95 percent of Afghanistan's cement requirements are imported from Iran, Pakistan, and Russia. Cement is sold in the local market in 50kg paper bags at a price ranging from \$70-80 per ton. The proposed project is supported by the Kandahar local authorities and serviced industrial land is available for this project.

Technical Description

With reconstruction underway, cement is urgently needed around the country. This project, therefore, has the support of national and local governments.

The project site has been identified. Once investment is available, construction will proceed. The project is not only to build a new major industrial complex but also equip the facility so that the plant will produce a daily output of 1,500 tons of cement.

Project Site

The project site would be in Kandahar.

Project Status/Timeline

The project would start as soon as the investment is available.

Equipment and Services

The equipment and services needed to build a cement factory in Kandahar include the following:

- Limestone and clay crushing equipment with conveyor belts, a bag filter jet, and a centrifugal radial fan;
- Limestone, clay storage, and reclaiming equipment with a stacker, reclaimer, and belt conveyors;
- Raw mixture drying equipment with drum dryer and bucket elevator;
- Raw mixture grinding equipment with a hot gas generator, bucket elevator, air separator, radial centrifugal fan, cyclone dust collector, and automatic sampling equipment;
- Homogenization equipment with blending silo, parallel distributor, dedusting equipment, and additional bucket elevators;
- Pyro-processing line with five-stage cyclone preheater, kiln fan, impact crusher, chain conveyor, liming material for the preheater, kiln and cooler, and thermal insulation material;

- Raw mill and kiln line dedusting equipment with electrostatic precipitator, worm conveyor axial fan;
- Burners and heating equipment with overhead fuel oil storage tank, gear pump, burner control fittings, and thermo-oil heating system;
- Clinker transport and storage equipment with steel conveyors and a belt conveyor;
- Cement grinding equipment with proportioning belt weighers, two compartment tube mill, and single deck vibration checking screen;
- Cement transport and storage equipment with control system for cement silos and bulk loading; and
- Packing plant equipment with electronic rotary packer.
- Compressor equipment with six compressors, separator, and single girder crane;
- Laboratory and workshop equipments with diagnostic equipment; and
- Diesel generator set.

U.S. Competitiveness

Qaderi is interested in working with U.S. investors. The U.S. is a leader in cement production equipment. U.S. products will have a good chance in the Afghan market, especially if a U.S. investor will participate in project financing.

Qaderi has a turn-key offer from PSP Engineering A.S. of the Czech Republic.

Project Financing

The project sponsors anticipate contributing about 30 percent of the costs through land, raw materials, and services. They are looking for a strategic technical partner to develop the project. There is a possibility of Overseas Private Investment Corporation (OPIC) funding for export-oriented projects of this nature. The sponsor is seeking a strategic technical joint-venture investor to help develop the project.

Key Decision Makers

Organization or Company Name	Qaderi Group
Contact Person	Hamid Qaderi
Title	Chairman
Address	P.O.Box 539, Kabul, Afganistán
Telephone	+93-20-2100763
E-mail	Qaderi21@hotmail.com