

P.P Bag

# F & K Cement Packaging Co.

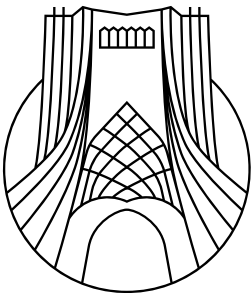


This project consists of four process units including film production from granules, knitting unit, publishing and laminate unit, and conversion unit to convert knitted tube rolls in the knitting unit into two-headed bags with valves. Polypropylene bags will be the final product of the project, with a capacity of 70 million bags per year. This bag is mainly used in cement, petrochemicals, grains etc. industries. The target market of this product includes cement-production factories group in the first stage and, if there are surpluses of production in following phases, export to neighboring countries and entrance into the production of non-cement bags. The land required to construct and commence the production line, the storage building for raw materials and products, the water and gas needed for production, and the electricity required to implement the project to the last phase and installation of machinery, as well as the office building needed for the construction and installation project are the current project's infrastructures.

Project Base Info & Economic Figures



Nazarabad | Alborz | Iran



Azadi Tower | Tehran |



Cement Mill

Doroud Cement Co.

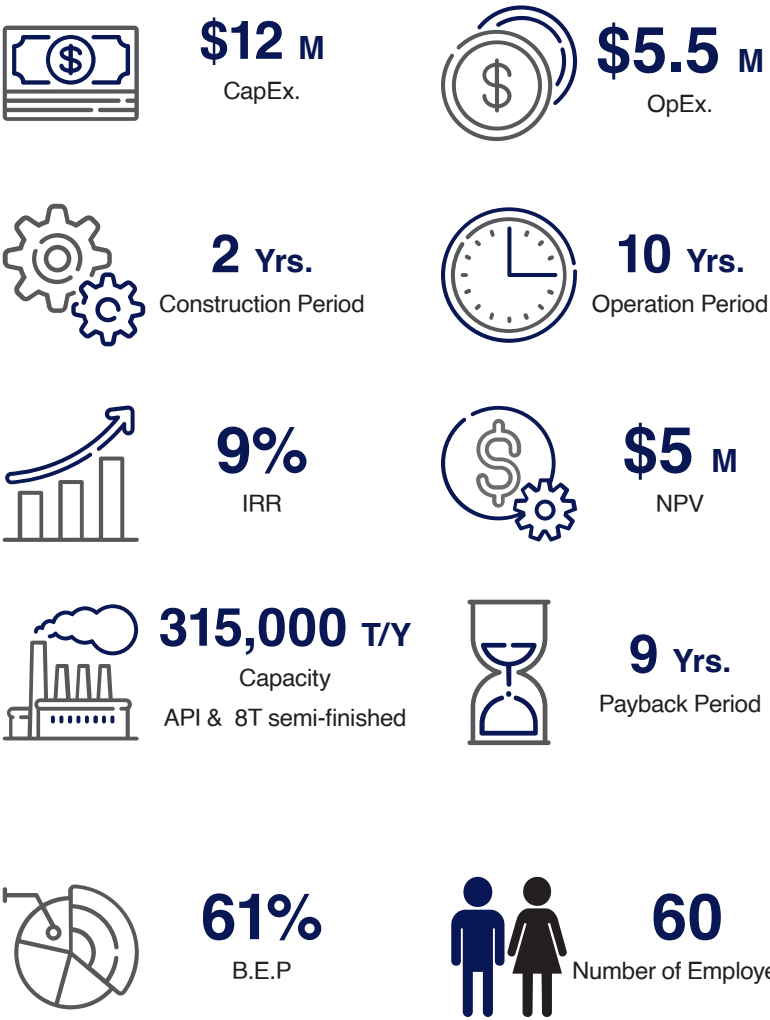


The purpose of implementing the construction of the cement mill line is producing various types of gray cement types 2 and 5, pozzolan cement, and different types of white and color cement. The implementation location of the project is 75 hectares, its production capacity is 55,000 tons per hour, 1,000 tons per day, and 315,000 tons per year, the production plan of which has been anticipated as 3 eight-hour shifts per day and 330 days per year.

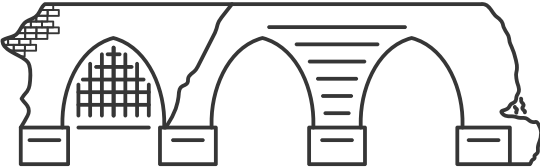
The required raw material stock include gray klinker, pozzolan, and white klinker; also, in the formation of these products some percentages of lime and plaster are uses, all of which will be supplied from the domestic market.

The target market of this project comprises 55% domestic market and 45% exports to neighboring countries. All the products are supplied in packs. The exploitation of the project has been anticipated to be due on the Farvardin 1st, 1402 (March 21, 2023) with 90% capacity.

Project Base Info & Economic Figures



Doroud | Lorestan | Iran



| Kashkan Bridge | Lorestan |







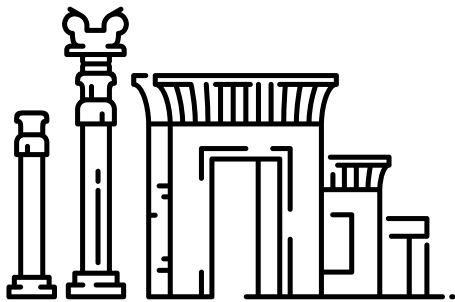
FARS CEMENT PLANT RELOCATION

# Fars Cement Co.

Project Base Info & Economic Figures



The purpose of implementing this project is to construct a Portland gray cement production factory in types 1, 2, 5 and mixed, with a capacity of 3,300 tons of clinker per day (about 1 million tons per year) on a land area of 97.7 hectares. Regarding the fact that about 65% of the required technology of this industry is native, purchasing the rest of the required technology from well-known European and Chinese sellers has been planned. Considering the proximity of the newly-constructed factory to the center of the province (the nearest factory to the center) based on distance and marketing radius), selling cement inside Fars State and Shiraz province as much as the current capacity of Fars Cement Factory, and regarding the proximity of the sea and the transit road which is under construction heading toward the south, selling cement in Iraq, Persian Gulf States and other South East Asian countries is the main purpose of marketing.



Persepolis | Shiraz | Iran



Shiraz | Fars | Iran



**\$76 M**  
CapEx.



**\$6 M**  
OpEx.



**1.1 T/Y**  
Capacity



**4 Yrs.**  
Construction Period



**30 Yrs.**  
Operation Period



**6.5 Yrs.**  
Payback Period



**18%**  
IRR



**\$112 M**  
NPV



**23%**  
B.E.P



**250**  
Number of Employees



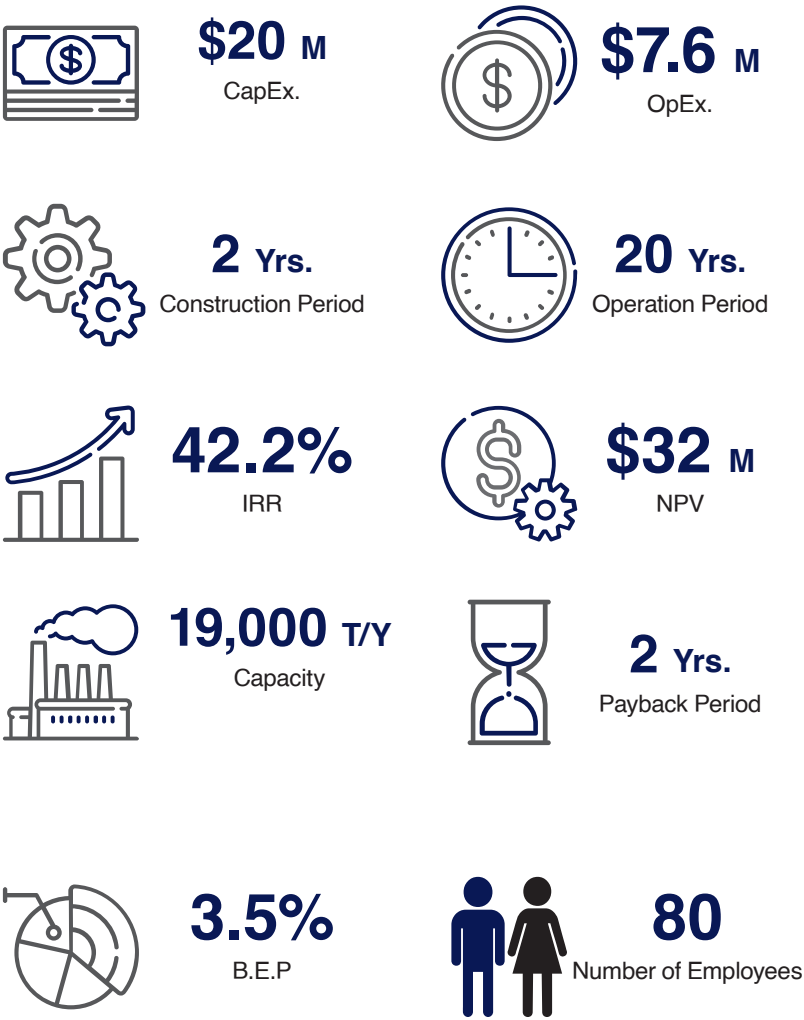
Production of Firebrick

# Qaen Cement Co.

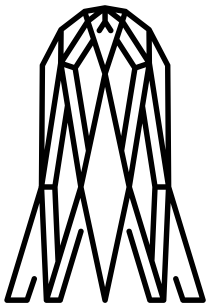


Regarding Iran's need for fireproof products to be used as insulation and lining in furnaces and the apparatus dealing with high temperatures, this company has taken steps to plan to construct a firebrick and fireproof products in Ghaen province, South Khorasan state. The production capacity of this project is 19,000 tons, 8,000 tons of which will be magnesia chromite bricks and 11,000 tons will be magnesia spinel bricks. In minimum production conditions of the holding company, 12,000 tons of the products of the factory will be used domestically by cement factories of the group, and if there are surpluses of production, they will be given to other cement, steel, glass etc. producing factories. Currently, the use of firebricks in cement industry amounts to 56,000 tons per year, half of which is imported into the country. This project will begin this year and will become operational in the year 1401.

Project Base Info & Economic Figures



Qaen | South Khorasan | Iran



| Tomb of Khayyam | Khorasan |