

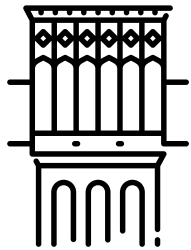


Steel Cord Plant

Sirjan Tires Co.



Steel wire or a steel cord is used to fortify and increase resistance in radial tires. The project of steel cord production has been planned in the current location of Saba Tire Cord Complex with the annual nominal capacity of 10,000 tons. Regarding the importance of the quality of steel wires used in the production of steel cords, only the last stage of the three stages in the production process of steel cords, that is dry drawing, coating, and wet drawing, has been planned in this project. The required raw material of steel wire with brass cover is the sum of 10,200 tons annually, which will be supplied through imports. In order to manufacture the product, wet drawing, and double-screw packing (bunching) machines will be purchased. The target market of the project will be focused on the attraction of the domestic demand. The domestic demand for the product at the moment is over 14,000 tons per year, the bulk of which is supplied through imports. Regarding the tendency to use radial tires and the ongoing projects of manufacturing radial tires in the country, the demand for steel cord is anticipated to reach more than 20,000 tons per year in the coming years.



Windcatcher | Kerman |



Sirjan | Kerman | Iran

Project Base Info & Economic Figures



\$34 M
CapEx.



\$1.5 M
OpEx.



10,000 T/Y
Capacity



2.5 Yrs.
Construction Period



2.5 Yrs.
Operation Period



4 Yrs.
Payback Period



23%
IRR



\$11 M
NPV



39%
B.E.P



320
Number of Employees

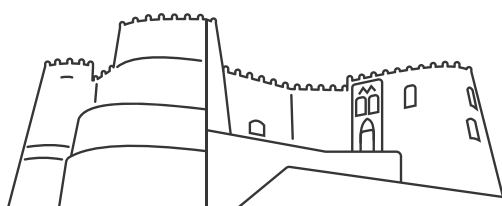


TBR tires (Truck and Bus)

Lorestan Barez Tire Co.



The production load of truck and bus radial tires is 50,000 tons per year. Radial tires, in comparison with bay-astires enjoy such advantages as resilience, rigidity, resistance against high temperatures, and longevity. The ratio of truck and bus tires in the domestic vehicle tire market is about 33%. The target market of this project has mainly been planned with an approach to attract the domestic demand with regard to the trend in replacing bay-as tires with radial ones, and also with attention to potential for exports to the Middle Eastern, Central Asian and East African countries. The imports of the of truck and bus tires in the target region is more than 600,000 tons annually. One of the most important required raw materials is caoutchouc (India rubber) that will be provided through imports. Other raw materials including soot, bead wire, tire yarn, and steel cord will be supplied inside the country. The factory of the project will be constructed in Aligoodarz industrial town in Lorestan Province.



| Falakolafalak Citadel | Lorestan |



Aligoodarz | Lorestan | Iran

Project Base Info & Economic Figures



\$176 M
CapEx.



\$6 M
OpEx.



50,000 T/Y
Capacity



3 Yrs.
Construction Period



10 Yrs.
Operation Period



10 Yrs.
Payback Period



12.3%
IRR



\$25 M
NPV



55%
B.E.P



840
Number of Employees

Automotive Airbag Fabric

Saba Tire Cord Co.



The product of this project is airbag fabric with the capacity of 800 tons per year. The customers of the project's product are airbag set manufacturing companies. The target market of the project is the domestic demand, which is currently met through imports. The raw material required by the project is nylon yarn 66 as much as 726,000 tons per year. This substance is one of the products currently manufactured in Saba Tire Cord Complex. In order to produce the product of the project, such items as loom (tissue machine), coating, foulard, and winch washing will be needed. The target market of the project is the domestic demand, including manufactured and crushed cars, the total sum of which is 1000 tons per year. This domestic demand is supplied through imports at the moment. Currently, piloting the trial production phase has been over, and the finished product has obtained the necessary technical specifications, as well as customers' satisfaction.

Project Base Info & Economic Figures



\$3.4 M
CapEx.



\$2.6 M
OpEx.



1.5 Yrs.
Construction Period



10 Yrs.
Operation Period



19%
IRR



\$350 K
NPV



800 T/Y
Capacity



6 Yrs.
Payback Period



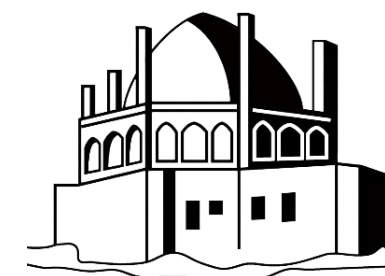
30%
B.E.P



70
Number of Employees



Zanjan | Zanjan | Iran



Gonbad Soltanieh | Zanjan | Iran



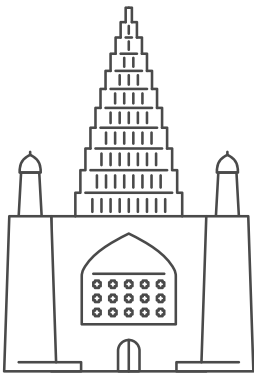
Green Methanol

Farabi Petrochemical Co.

Project Base Info & Economic Figures



Methanol has a lot of uses in the production of other petrochemical products such as olefins, formaldehydes, acetic acid, MTBE, dimethyl ether, solutions, in gasoline and fuel for ships etc. The purpose of implementing this project is to produce methanol from disposable gases with the annual capacity of 132,000 tons. The project's supplies are carbon dioxide and hydrogen gases. The target market of the project is exportation. North East of Asia and India are the biggest importers of methanol in the world, which have been designated as the target markets of the project. The amount of imports by these two regions in 2028 is anticipated to reach more than 32 million metric tons. The low price of the methanol produced through this method, reduction in environmental pollution load, access to abundant supplies, and access to international open waters are the benefits of implementing the present project.



Tomb of Yaghub Leys Safari | Khuzestan |



Mahshahr | Khuzestan | Iran



\$69 M
CapEx.



\$13 M
OpEx.



132,000 T/Y
Capacity



7 Yrs.
Construction Period



15 Yrs.
Operation Period



4 Yrs.
Payback Period



33%
IRR



\$40 M
NPV



22%
B.E.P



20
Number of Employees

Ammonium Sulfate Production Unit

Khorasan Petrochemical Co.

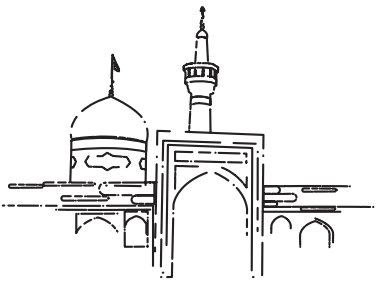


Ammonium sulfate, as an inorganic salt, has a lot of applications and uses, the most important of which is using it as chemical fertilizer. Its other uses include using it in fire extinguisher powder, tanning, water purification and food additives. This fertilizer enjoys the fastest growing rate of demand among various types of fertilizers. The purpose of implementing the project is producing sulfuric acid with the capacity of 80,000 tons and ammonium sulfate with the capacity of 100,000 tons annually. 76,000 tons of the sulfuric acid produced is utilized in the production process, and also a surplus of 4,000 tons produced will be sold. Raw materials include ammonia and sulfur. Ammonia will be produced from the surplus of the complex. The production process includes the conversion of sulfur into sulfuric acid in the sulfuric acid unit, followed by the conversion of ammonia and sulfuric acid produced into ammonium sulfate. The target market of the project is mainly exportation to Turkey, India and Pakistan. Turkey is one of the main targets for exports, and it imports more than 80,000 tons of ammonium sulfate annually.

Project Base Info & Economic Figures



Bojnurd | North Khorasan | Iran



| Imam Reza Holy Shrine | Mashhad |





Bitumen Barrel Filling

Pasargad Oil Co.

Project Base Info & Economic Figures



Pasargad Petroleum Company possesses tar producing factories in various cities of the country, including Tehran, Tabriz, Arak, Shiraz, Abadan, and Bandar-Abbas. Considering the proximity of Bandar-Abbas factory to the country's biggest commercial port, Shahid Rajayee Port, the bulk of the production of the factory is exported overseas. The produced tar is sold in two forms: in bulk and in containers. Filling barrels with tar not only reduces transportation costs and renders transportation in containers possible, it also paves the way for its storage in depots. Pasargad Petroleum Company's factory in Bandar-Abbas produces about 550,000 tons of tar annually, 200,000 tons of which are anticipated to be sold in containers in the current project. The raw material required in order to put tar in containers include bulk tar, steel sheet, and paint. The anticipated target market is mainly exportation to India. The imports of tar by India are more than 1 million tons, 11% of which was supplied by Iran as its second supplier in 2017.



Persian Gulf | Hormozgan



Bandar Abbas | Hormozgan | Iran



\$3.2 M
CapEx.



\$33.1 M
OpEx.



200,000 T/Y
Capacity



1 Yrs.
Construction Period



10 Yrs.
Operation Period



3.4 Yrs.
Payback Period



27.2%
IRR



\$0.34 M
NPV



16%
B.E.P



50
Number of Employees

Bitumen Transportation Fleet

Pasargad Oil Co.



Pasargad Petroleum Company possesses tar producing factories in various cities of the country, including Tehran, Tabriz, Arak, Shiraz, Abadan and Bandar-Abbas. The products of this company not only meet the domestic demands inside the country, but are also exported through north and northwest borderlines, east borderlines, Imam Khomeini port, and Shahid Rajayee port. The products of the company are transported in two forms: in bulk and in containers, in tankers and with trailers respectively, and by transportation companies. At the moment, the company's production amounts to 1.3 million tons per year, and the production of 3 million tons annually is anticipated in a five-year horizon. In the present project purchasing 149 semi-trailer trucks and tanker trailers has been planned in order to transport 34% of all the company's production.

Project Base Info & Economic Figures



\$15.5 M
CapEx.



\$6 M
OpEx.



1 Yrs.
Construction Period



10 Yrs.
Operation Period



20%
IRR



\$1.8 M
NPV



59%
B.E.P



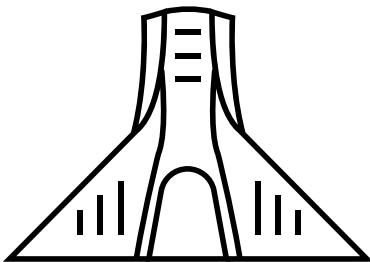
5 Yrs.
Payback Period



270
Number of Employees



Tehran | Tehran | Iran



| Azadi Tower | Tehran |

Petro Olefin Facility

Fanavaran Petrochemical Co.



The current project consists of four process units, including the production unit of methanol from natural gas, MTO unit to convert methanol into ethylene and propylene, the unit of polyethylene production, and the unit of polypropylene production. Methanol will be the intermediate product of the project with a capacity of 1850 tons per year. Polypropylene and polyethylene are considered the most commonly used thermoplastics, with more than 62% of the plastic market share, and their annual production capacity in this project will reach 450,000 tons and 280,000 tons respectively. These products are commonly used in pipes and fittings, wire and cable insulating covers, various types of bottles and barrels, packing film and wrapper, textile industries foam and sponge, injection molding (automobile and household). The target market for the products of the project will be focused on exports, especially to China and India. Thus, the proximity of the location of the project to export docks of Imam Khomeini port, along with continuous access to supply will add to the implementation value of the project.

Project Base Info & Economic Figures



\$1.6 M
CapEx.



\$554 M
OpEx.



4 Yrs.
Construction Period



15 Yrs.
Operation Period



32%
IRR



\$817 M
NPV



819,400 T/Y
Capacity



20%
B.E.P

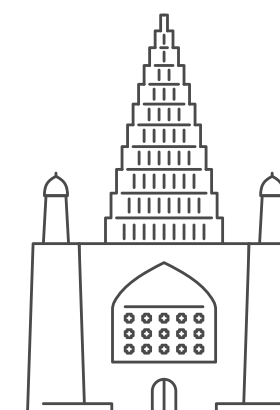


700

Number of Employees



Imam Khomeini Port | Khuzestan | Iran



Tomb of Yaghub Leys Safari | Khuzestan |

PVC Production Unit

Abadan Petrochemical

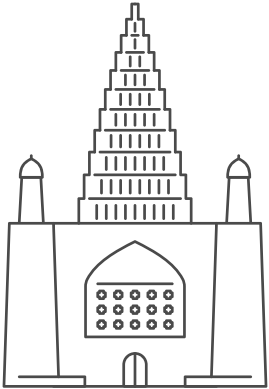


The main product of this project is polyvinyl chloride or PVC with the capacity of 300,000 tons annually. The average growth in the demand for this product in the world is 5%. Building construction industry has dedicated 50% of the application of this polymeric product and its derivatives to itself. The raw materials required include ethylene and salt as much as 140,000 tons and 410,000 tons respectively per year. The required salt is taken from seawater, and the required ethylene will also be supplied from the west ethylene pipeline, located at 100-kilometre distance from the implementation location of the project (east excavation region). It is worth noting that our Abadan Petrochemical Company is currently one of the main producers of PVC with the annual production capacity of 115,000 tons. The target market for the products will be focused on exports, mainly to Iraq and India. Thus, the proximity of the location of the project to the export docks of Imam Khomeini port, together with continuous access to supply, will add to the value of the implementation of the project.

Project Base Info & Economic Figures



Abadan | Khuzestan | Iran



Tomb of Yaghub Leys Safari | Khouzeestan |



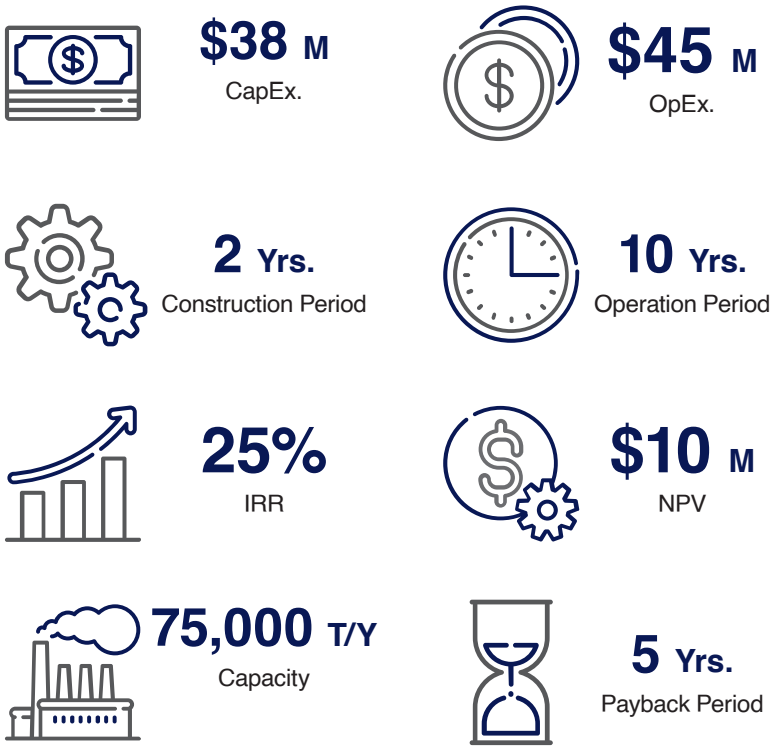
PAPER Production

Bisoton Tamin Paper Co.



Bistoon Project, which aims at producing 75,000 tons of packed paper including white top, kraft liner, test liner and floating paper, has been founded in one of the westernmost Iranian provinces, i.e. Kermanshah. Currently, all the required equipment and machinery have been purchased from Italian Villa Lagarina Company and have been installed in the current site of the factory. This project facilitates the possibility of exports and purchase of mill broke and paper paste from Iraqi markets. The final products of Bistoon Project will be manufactured in the weight range of 90 to 200 grams per square meter (grammage).

Project Base Info & Economic Figures



Harsin | Kermanshah | Iran



Taq-e Bostan | Kermanshah

