

In the name of God

Pre-Feasibility Studies

Project Name:

Processing and Packaging of Dates

Project Owner:

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Advisor of the project:

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**Project address: Khoramshahr Industrial Zone, Arvand
Free-Trade Zone, Khoramshahr, Khuzestan**

Preparation Date: February, 2021

Pre-Feasibility Study Summary:

General Information	
Project Title	Processing and Packaging of Dates
Capacity	1,000 tons
Employment	18 individuals
Business days	300 days
Product consumption	Daily consumption
Market	
Global Price of the Product	3\$ per kg
Domestic demand:	15000 ton
Domestic production	21000 ton
Import	200000 dollers
Export	300 Million dollers
Technical Information	
Land Area	4,600
Buildings Area	1,984
Core Raw Material	Dates
How to supply raw materials	Internal
Power Requirement	150,000
Water Requirement	10,000
Fuel required	۱۷۰۰۰ L
Financial Information	
Fixed Investment	122,000
Working Capital	20,000
Total Investment	142,000
Annual Sales	150,000
Net Present Value	1,521
Internal Return Rate	36%
Payback Period	2.7 years
Ratio of investment resources	
Equity 32%	45440 Million Rials
Financing 68%	96560 Million Rials

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Introduction

Since Iran is still one of the major producers and exporters of dates, the date packaging industry has become a major priority and the date packaging industry has been the focus of many projects. Iran has a wide variety of dates. Collecting, processing, packing and distributing these products can provide great added value for the project. The packaging is very important. Many foods spoil very quickly if not properly packaged and stored. Dates are also valuable food that must be stored hygienically for storage and transportation so that they are not damaged during transportation.

The appearance of dates is very important. That is, the absence of burns, worms and sugar is one of the characteristics of good and fresh dates. This fruit has anti-cancer magnesium and is also useful for hearing, vision, back pain, joint pain, chest and lung treatment.

Although crystallization does not affect the taste of dates, it does change their texture and appearance. Therefore, to prevent crystallization, dates should be kept at the right temperature. Fresh dates can be a little wrinkled, but they should not have skin or have sugar crystals on their skin.

In the following, we will introduce more about the product and the importance of its packaging.



1. Product Introduction

For thousands of years, dates have been the staple food in the Middle East and India. Modern date cultivation in western Pakistan dates back to 7000 BC. The nutritional values of dates are obvious to everyone.

Consumption of dates eventually spread to southwest Asia and north Africa and Spain. Then, they were introduced to the West. According to fossil records, dates date back to 50 million years ago.

Dates are sweet and delicious fruit and are always popular because of their high nutrient content. This fruit is grown in subtropical and tropical regions. Some consider India to be its origin and archaeologists believe that the tree dates back to five thousand years ago. It is said that date palms were taken from Iran to China and cultivated in European countries such as Spain. This fruit is rich in a variety of

vitamins including A, B, C and E. It also contains minerals such as phosphorus, calcium, iron, iodine and magnesium, each of which plays an important role in human health. South and southwest of Iran have the proper climate to cultivate date palms and it can be argued that Iran has one of the best dates in the world.

The nature of dates is warm and wet. Dates are rich in antioxidants, vitamin A, thiamine, riboflavin, niacin, folate, vitamin K, calcium, sulfur, iron, potassium, phosphorus, manganese, copper, magnesium and fiber.

The appearance of dates is very important. That is, the absence of burns, worms and sugar is one of the characteristics of good and fresh dates. This fruit has anti-cancer magnesium and is also useful for hearing, vision, back pain, joint pain, chest and lung treatment.

Due to its magnesium content, dates strengthen the body's muscular energy and increase the body's general strength. It also strengthens memory due to its phosphorus and magnesium content.

Although crystallization does not affect the taste of dates, it does change their texture and appearance. Therefore, to prevent crystallization, dates should be kept at the right temperature. Fresh dates can be a little wrinkled, but they should not have skin or have sugar crystals on their skin.

The fruit is grown in Iran, Pakistan, Iraq, Saudi Arabia, North Africa and the United States. About 21 types of dates are grown in different parts of Iran.

- Types of Dates

Piarom, Shahani, Mazafati, Zahidi, Kabkab, Rabbi, Barhi, Khasuni, Sukkary, Gentar, Al-Istamaran, Al-Mehtari, Khasavi, Mardasang, Ajwah, Anbara, Safawi, Saghai, Khedri, Modjul, Khalas and Piar are the common dates in Iran.

- How to Use Dates

Unripe fruits are called dates and ripe dates are provided in both fresh and dried types. The nutritional value of dates in 100 grams contains 282 calories consisting of 63 grams of sugar, 0.4 grams of fat, 75 grams of carbohydrates, 2.5 grams of protein and 8 grams of fiber.

- Facial Rejuvenation

Date fruits contain high amounts of vitamins C and D, which reduce skin wrinkles and rejuvenate skin. Date kernels also contain phytohormones that have significant anti-aging effects and prevent skin wrinkles.

- Hair Strengthening

Dates are high in iron, which increases blood circulation to the scalp and strengthens hair and enhances hair growth.

High levels of iron in dates can cure anemia in pregnant women, strengthen uterine muscles and increase breast milk during breastfeeding. Dates also increase and strengthen fetal memory and intelligence. A study found that consuming dates four

weeks before giving birth can make labor easier. Also, consuming dates after pregnancy can help you lose weight and return to your ideal weight.

Seyed Morteza Safavi, a nutritionist and university professor, stated "Dates are very suitable in the treatment and relief of gastrointestinal diseases, intestinal disorders, anemia, abdominal cancers, constipation and diarrhea. Dried dates have about 300 calories per 100 grams." He continued "This fruit is very useful for people who want to gain weight. It also contains substances such as calcium, phosphorus, iron, potassium, magnesium, manganese and copper." The nutritionist emphasized that we should put dates in our daily food basket, adding "Consuming 10 dates per day is recommended for thin people. It also reduces a person's desire to overeat." "Dates are a sweet, very nutritious fruit that helps absorb nutrients in the body," he said. "According to research by the American Cancer Society, each person needs 20 to 35 grams of fiber per day to maintain his health and fight against various cancer and eating dates can provide the exact amount of fiber necessary for the body.", he added. "Dates are very effective in people with retinopathy. Based on studies of different people with vitamin A deficiency, it has been found that consuming dates is very effective to compensate for the deficiency of this vitamin. Dates contain folate, vitamin A and vitamin B group including B1, B2 and B3. Dates are very useful for the health and strength of bones and to cure allergies and anemia. In addition, due to the presence of natural sugars which include glucose, fructose and sucrose, they strengthen the body's energy and improves the nervous system and heart."

Considering how to consume dates, he stated "consumption of dates alongside milk is very useful. Dates can be ground and mixed into the milk. The resulting mixture is a good nutrient that is high in calcium. It can also be flavored with cardamom powder and honey." He recommended consuming dates with tea and added "People with diarrhea can eat ripe dates because dates contain potassium which is very useful for treating this complication." The nutritionist pointed out that healthy people can consume up to 5 dates a day, "People with diabetes should use a yellow date called "Zahedi". As long as such people do not consume sugar, they can consume up to 5 dates a day." He asseverated that dates can be used before breakfast. Children can start eating dates after 1 year of age, provided that the dates should be peeled off.

- The importance of consuming dates in the Quran and hadiths:

The date tree is mentioned 20 times in the Quran in 16 suras and 20 verses. God says in verse 19 of Surah Al-Mu'minun about this fruit: {And We brought forth for you thereby gardens of palm trees and grapevines in which for you are abundant fruits and from which you eat.}

Dates are very valuable from a medical point of view, and as mentioned before, Islam has valued dates as one of the most important fruits. Imam Sadegh (AS) said: If there was a food purer than the dates, God will guide Mary, mother of Jesus to it and feed her. Imam Ali (AS) said: You must eat dates because it overcomes

helplessness and depression, warms the body, satisfies the hungry and contains 72 types of healing.

The date tree is a monocotyledonous, tropical plant that belongs to the palm family, the fruit of which is the edible date with a hard kernel, thin skin and a sweet taste. The height of a can be 10 to 20 meters or more. This tree lives for two hundred years and its various parts such as pollen, fruit, leaves, flowers, seeds and resin are an important source of effective compounds.

- There are 200 types of dates in the world

There are about 200 types of dates in the world. The most famous types of dates in Iran are Piarom, Shahani, Mazafati, Zahidi, Kabkab, Rabbi, Barhi, Khasuni, Sukkary, Gentar, Al-Istamaran, Al-Mehtari, Khasavi, Mardasang, Ajwah, Anbara, Safawi, Saghai, Khedri, Modjul, Khalas and Piar. The nature of dates is hot and dry or hot and wet, depending on the type.

High nutrition, increasing body strength, blood formation, regulating the body's digestive process and maintaining the intestinal function, strengthening eyesight, relieving constipation, strengthening bones and joints, reducing allergies, strengthening and increasing the body's nervous system, treating those with low sex drive, treatment of diarrhea, diet adjustment due to high fiber, lowering cholesterol, improving the condition of skin and nails, hair and preventing skin aging and fluid balance are some of the benefits of dates.

All types of dates are concentrated and if consumed in excess, they can cause a concentration in the body which can lead to many diseases such as liver and spleen damage, high blood pressure, fatigue, bruises, diabetes and even anger and lack of concentration.

In a climate that is prone to palms, several dates can be consumed per day but in other climates, it is not recommended to eat more than one or two dates per day. Given that dates are one of the dried fruits that can be found all seasons, athletes can use them as a great source of energy. The reason why athletes should use dates is that dates compensate for the body's depleted energy. Dates contain vitamins such as C, B, A and E and some minerals. Dried dates contain 300 calories, 2 g of protein, 0.6 of fat, 60 mg of sulfur, 50 mg of phosphorus, 650 mg of potassium, 65 mg of magnesium, 70 mg of calcium, 2 mg of iron, 2.2 mg of niacin and a little sodium. There is 125 kcal per 100 grams of dates, while there is 400 kcal of energy per 100 grams of sugar. Therefore, eating dates releases much less energy than sugar for the same amount.

Due to the different nutritional properties of dates and the fact that it is considered natural sugar, all families must include this useful food in their daily food basket. Students should use it as a good food instead of snacks, especially cakes and biscuits because the sugar in dates is absorbed faster than other sweet foods and has longer durability. As a result, it enhances the learning process and memory.

1.1.The importance of packaging dates

Since Iran is still one of the major producers and exporters of dates, the date packaging industry has become a major priority and the date packaging industry has been the focus of many projects. Iran has a wide variety of dates. Collecting, processing, packing and distributing these products can provide great added value for the project. The packaging is very important. Many foods spoil very quickly if not properly packaged and stored. Dates are also valuable food that must be stored hygienically for storage and transportation so that they are not damaged during transportation. The retail business of selling dates is one of the old methods that are not very profitable. Date packaging is done in the date packaging workshop. Packaging and export of dates are considered as one of Iran's non-oil exports and are of special importance among non-oil export products.

1.2.Types of Date

- Piarom



Piarom is the most expensive kind of date in Iran. It is a semi-dry date and is serotinous. It belongs to the group of semi-dry dates. Most of its sugar content is fructose, which is easily and quickly used in the body's metabolism and is very suitable for people with diabetes as a sugar substitute. These dates generally grow in Hormozgan province.

- Mazafati



Mazafati dates are the most well-known type of dates in Iran. It has a lot of moisture and has been popular with people.

- **Gentar**



Gentar is a kind of wet date. This type of date can also be consumed in the form of Kharak and Rotab.

- **Istamaran**



This date is in the group of semi-dry dates and therefore it is easy to transport and export. It is worth mentioning that Istamaran dates have a high sugar content and are suitable for athletes. About 70% of Khuzestan palm farms produce this type of date.

- **Shahi**



Shahani is an exclusive wet date that has many fans. This type of date has a soft and moist texture and it is used to prepare various types of date syrup. It also has a very beautiful color. Some may call it Shawani, Shuni and Khorak. This type of date is mostly harvested in the palm farms of the Jahrom.

- **Zahedi**



Zahedi is golden and oval-shaped and has a soft texture and nutty taste. It has thick skin. It's semi-dry and has less sweetness than other dates. This type of date also has a lot of fiber. This date is widely cultivated in the south of Iran. Given its mild sweetness, it has many fans abroad and inside the country. Because these dates are easy to store and transport, the traders, especially exporters are interested in them.

- **Kabkab**



Kebab is a semi-dry date. Its skin is thicker than other types of dates and is one of the most widely used types of dates in Iran. This date, which is mainly cultivated in Behbahan palm farms, has an appealing color and a lot of syrup.

- **Rabi**



Rabi belongs to the semi-dry date category and has a good shelf life. This date is grown in large areas of Sistan and Baluchestan. Also, as you can see in the photo, it is wrinkled and tall.

- **Barhi**



This type of date is yellow and crunchy. This ripe date gives the taste of caramel and brown sugar. Like most dates, it is sweet and well worth a try. These creamy dates are delicious and are often sold while still on thin twigs. You can store these seasonal dates in the freezer for months. This date is originally from the groves of Iraq. However, due to its unique taste and quality, it has many fans among Iranian palm growers and consumers.

- **Al-Mehtari**



It is a rareripe date. The fruit is relatively small and elongated, and the rareripe characteristic has increased its economic value. This date is native to Hormozgan province.

- **Khazravi**



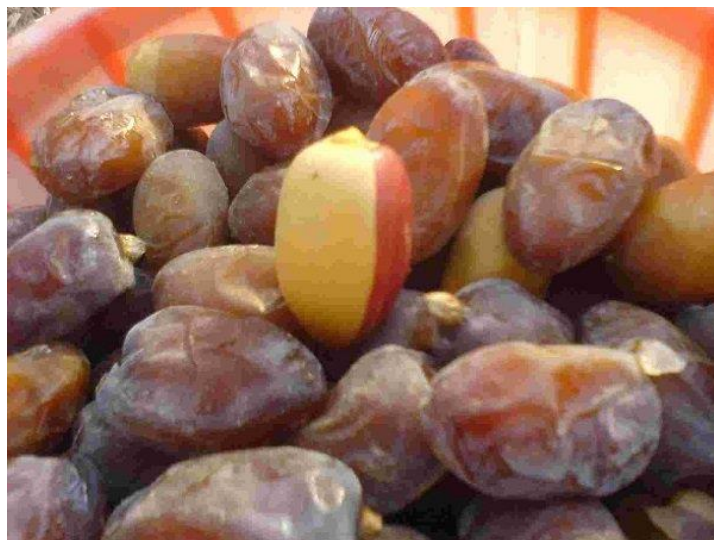
Khazravi is a soft date that is also consumed in the form of Kharak and Rotab. This date, like Barhi, came to Iran from Iraqi groves. Khazravi dates are the second in Khuzestan province in terms of cultivated area. The kernel is completely separate from the fruit, so the whole fruit can be easily used.

- **Khasvyy**



Khasvyy is one of the best types of dates and it's highly durable. This date, like kebab dates, bears fruit in Behbahan, Khuzestan. This date, which looks like tulumba and is smaller than other dates and very popular in Khuzestan.

- **Mardasang**



Mardasang one of the most famous middle-class Iranian dates in Kerman province. This date has very limited production and thus, it is consumed only in Kerman and some other southern parts of Iran. So, if you want to taste this date, it is not bad to visit the southern regions of Kerman during the harvest season.

- **Ajwah**



This type of date is a combination of soft and dry types and it tastes sweet and soft in the mouth. It is said that these dates have healing properties and the Prophet Mohammad said in a hadith that eating seven of these dates in the morning protects a person from magic until evening.

- **Anbara**



These large dates are popular because of their large, fleshy appearance and small kernels. They are also one of the most expensive types of dates! Anbara is sweet, brown and full of protein.

- **Safawi**



These dates are black, sweet, fleshy and rich in vitamins. They are soft and cultivated in Medina. These dates are known for their healing properties. If you eat this type of date on an empty stomach, your intestinal worm will be killed. They also have a lot of minerals.

- **Saghai**



This fresh date is grown in Riyadh, usually brown and has a light yellow tip. Saghai is wrinkled, but it does not flake off, and it is one of those things that you must try!

- **Khudri**



These dates are brown, dry and sweet. They have wrinkled skin and may be large or small. Khudri is one of the most widely exported dates due to its freshness and reasonable price. This type of date is one of the best dates to eat if you want to revitalize and increase your energy.

- **Sukkary**



These dates are crispy and really sweet. Sukkary dates are known for their healing properties and nutrients. This type of date lowers cholesterol, prevents tooth decay and also helps you get rid of fatigue. Sukkary dates are grown in the Qassim region of Saudi Arabia and the southern regions of Iran.

- **Medjool**



This type of date is known as the "queen of dates". The Medjool has a large and soft texture and has a strong and sweet taste. It is very popular in America and is often used in making shakes and smoothies. This type of date is usually available all year round and is widely cultivated in Saudi Arabia.

- **Kholas**



These dates have a caramel aroma when fully ripe. It is sticky when fresh and is usually consumed with Arabic coffee. This type of date has loose skin and is rooted in the Qassim and Kharj regions of Saudi Arabia.

1.3.Product Name and Code (ISIC 3)

The product of this project is the packaged date.

ISIC Code	Product Name
15131922	Date Grading & Packaging

Table 1: ISIC Code

1.4.Product Customs Tariff

In international trade, two types of classification are used to codify goods for export, import and trade, as well as to determine customs duties, etc., Harmonized System (HS) and Standard and Trade International Center. Accordingly, in Iranian foreign trade exchanges, HS is used to classify goods. The registered tariff number is represented in the following table.

Item	Tariff Number
Date	08041000

Table 2: Tariff Custom

1.5.Assessment and Presentation of Standards

Item	Standard Number
Date	8757

Table 3: National Standard

1.6.Applications

Each date contains about 20 calories and contains 2.8 mg of calcium and 5 g of carbohydrates. Dates are also rich in antioxidants, tannins being the most important of these. These tannins prevent cell damage and protect against inflammation. In fact, eating dates on an empty stomach kills intestinal worms. Other health benefits of eating dates include regulating cholesterol levels, treating constipation, bowel disorders, heart problems, anemia and sexual disorders.

1.7.Strategic Importance of the Product

Dates are usually sold in narrow or compact packages. If you are buying a new pack, pay attention to the date pulp, its moisture and softness and its shiny skin. Fresh dates can be a little wrinkled, but they should not have a hard touch or a crystal of sugar on their skin. Fresh and dried dates look similar, except that dried dates are slightly wrinkled. They should be plump and shiny and even colored.

1.8.Major Customer and Provider Countries

Tunisia, Saudi Arabia and Iraq are the main providers of dates and Germany, the USA and France are the main customers of date products.

1.9.Assessing the current Market

Iran's date industry

About 7 million tons of dates are produced annually in the world and Iran's share is more than one million and forty thousand tons of dates. Iran accounts for 15% of

world production and 21% of the world's date cultivation area. According to the latest information from the Statistical Center of Iran and the 2017 statistical yearbook of agricultural products of the Ministry of Agriculture, during the last 25 years, the date production in the country has increased more than 5 times from 173,940 tons in 1991 to 1,042, 277 tons in 2017.

Also, during this period, 31,539,000 saplings have been added to the date palm trees of the country, from 12,981,000 trees in 1991 to 44,520,000 ones in 2017. Regarding the area under date cultivation in the country, most of the fertile orchards belong to Kerman province. In the south of Kerman province, there are 28,500 hectares and in other parts of Kerman province, there are 24,200 hectares of fertile date orchards, which collectively make up about 26.5% (52,700 hectares) of the area under cultivation of fertile date trees in the country. The total area of fertile date trees in the whole country is 198,510 hectares. After Kerman province, the highest area under fertile date orchards belongs to Sistan and Baluchestan (32,200 hectares), Bushehr (29,509 hectares), Hormozgan (29,500 hectares), Fars (25,800 hectares), Khuzestan (24,800 hectares) and Yazd (2,045 hectares), respectively.

1.10.Product Importance

Dates are a relatively inexpensive and available additive in the food industry and contain a variety of vitamins, including E, C, B and A. It also contains minerals such as phosphorus, calcium, iron, iodine and magnesium, each of which plays an important role in human health. This fruit is anti-cancer due to its magnesium and is also useful for hearing, vision, back pain, joint pain, chest and lung treatment.

The consumption of this fruit in Ramadan is recommended because of its nutritional value. This fruit compensates for the reduced sugar level during fasting. Due to its fiber and laxative effect, it stimulates the digestive system, which is inert during fasting. Because of its magnesium content, dates strengthen the muscular energy of the body and increase the general strength. Dates strengthen memory due to their phosphorus and magnesium content. The high nutritional value of dates and their production capacity in the country is the main advantages of this valuable food that can be included in the household food basket as a source of carbohydrates.

Dates are one of the most important horticultural products in the country and play an important role in food security, job creation, environmental protection, national economy, exports and currency exchange. Also, the cultivation of dates is not only important for desert dwellers to make a living, but also has a special role in preventing desert development.

1-11-Assessing the current Market

The growing population of the world has turned the food supply issue into a major problem. Food experts are always looking for products with high nutritional value and suitable production level. Among agricultural products, dates have long been of nutritional importance and considered as a commercial food. In the past, dates along with wheat (bread) were considered strategic products and each country able to

produce these benefited from food security. Fortunately, the export of dates has been increasing in the recent years and new demands are made every year which can be an advantage for the country and encourage economic activists to invest in the production, export and packaging of dates. Of course, there are structural problems that arise due to the methods of production, harvesting and packaging of dates in the region and other problems occur due to macro policies in the country which we hope will be resolved with end of sanctions and JCPA. To solve the export problems, mechanized and export-oriented production and harvesting methods must be used. Mazafati dates are the most consumed dates domestically which are packaged and produced according to the demand of the domestic market.

1.12.Date Exporters

A survey of date exports in major exporting countries shows that in 2016, Pakistan, Iraq and Tunisia were the top three countries in date exporting in the world, respectively. Iran is also in fifth place after Saudi Arabia. USA, Palestine and Tunisia have the highest revenue of date exports. The interesting point here is the revenue of French date exports. France is not able to grow dates due to its climate. While this country is one of the biggest importers of dates, it also exports this product. The country imports quality dates for \$2.2 per kilogram and will probably export them at an average price of \$2.9 after processing and repackaging. Another very important point in this regard is the improvement of Tunisia's export position in recent years and the high price of each kilogram of Tunisia export dates compared to other date-producing countries such as Saudi Arabia, Pakistan, Iraq and even Iran.

1.13.Export Conditions

Due to the importance of the product, the policy will be to export 80% of the products produced per year.

1.14.Import Conditions

There are no plans to import.

2. Assessment and Determination of the Minimum Economic Capacity including Fixed Investment Value in Rials and Dollars (Using the Available Data of Ongoing Units, UNIDO, Internet and Global Databases, Technology, Equipment, etc. Provider Companies)

The annual nominal capacity of the project is as follows, considering the domestic demands (especially Khuzestan province) and exporting.

Number

Number

Over the first 5 years, the practical capacity will be the same as the nominal capacity because the company has been in business for the last few years.

A 12-month period is estimated to purchase the required equipment and complete the production line. This volume of products is anticipated to be prepared in 300 days by an 8-hour day shift.

Production and Sales Plan over the Next 5 Years

Year 5	Year 4	Year 3	Year 2	Year 1	Year of Operation / Title	
100	100	100	100	100	Capacity Percentage	
1,000	1,000	1,000	1,000	1,000	Processing and Packaging of Dates	
					Revenue	
150,000	150,000	150,000	150,000	150,000	Price per kg of Date	
150,000	150,000	150,000	150,000	150,000	Sales	
					Million Rials	Total Sales
					Million Euros (1€=280,000R)	

Project Investment Details:

Total Cost		Required Cost					Cost (million Rials)	Item
Millio n Euros	Mill on Rial s	Total (Million Rials)	Rial	Foreign Currencies				
			Million Rials	Equivalent to Rials (Million Rials)	Million Yuan	Million Dollars		
	18,000		-				18,000	Land
	1,500		-				1,500	Landscaping
	45,000		-				45,000	Construction
	8,500		-				8,500	Facilities
	35,000	25,000	-			100,000	10,000	Equipment and Machinery
	4,000	1,000	1,000				3,000	Laboratory Equipments
	5,000	3,000	3,000				2,000	Transportation
	4,000	3,000	3,000				1,000	Office Equipment
	500						500	Unforeseen

								Expenses
	121,500						89,500	Total Fix Assets
	500						500	Pre-Operation Costs
	122,000						90,000	Total Fixed Investment
	20,000	20,000	20,000					Working Capital
	142,000							Total Investment

- 1 Euro = 280,000 Rials
- 1 Dollar = 255,000 Rials
- 1 Yuan = 60,000 Rials

Land Details:

Equivalent to Euros	Total Cost of Available and Required	Total Cost (Million Rials)		Area (m ²)		Item
		Required	Available	Required	Available	
	18,000				4,600	Land

Building Details:

Equiva lent to Euros	Total Cost (Million Rials)			Unit Price (Rials)	Area (m ²)		Item
	Tot al	Requi red	Accompli shed		Requi red	Accompli shed	
				20,000,000		1,450	Production Hall: Industrial Shed
				18,000,000		200	Raw Material and Products Warehouse: Industrial Shed
				15,000,000		240	Offices
				15,000,000		70	Electrical Room
				8,000,000		24	Security Building
			45,000			1,984	Gross Floor Area and Total Costs

Facilities Details:

Equivalent to Euros	Required Cost (Million Rials)			Technical Specifications	Item
	Total	Required	Accomplished		
				140 kV	Power Supply
				1 inch	Water
				30 m ³	Gas Supply
				100 tons	Refrigerator
					Fire Extinguishing
	8,500		8,500		Total

Production Line Machinery:

Equivalent to Euros	Total (Million Rials)	Cost (Million Rials)		Equivalent in Million Rials	Equivalent in Dollars		Number		Machinery	Num
		Required	Accomplished		Required	Accomplished	Required	Available		
		35,000	250,000	10,000	100,000		1	1	Process and Packaging	1
		35,000					Total			

Office and Service Equipment

Equivalent to Euros	Required Cost (Million Rials)			Number		Items
	Total	Required	Accomplished	Required	Accomplished	
				1	1	Office Furniture
				4	2	Chairs
				-	1	Faxes
				-	1	Telephone/Modems

				5	2	Computers
				3	1	Printers
				5	1	Other
	4,000	3,000	1,000			Total

Working Capital Costs:

Equivalent to Euros	Total Cost				Duratio n (months)	Item
	Total (Million Rials)	Rials	Foreign Currencies			
		Million Rias	Equivalent to Million Rias	Million Yuan		
		15,000			2	Raw Material and Packaging
					1	Products in Process
					1	Liability
		5,000			1	Petty Cash
		20,000				Working Capital

Production Costs:

Equivalent to Euros	Cost (Million Rials)	Items
	90,000	Raw Material and Packaging
	425	Energy (Power, Water, Fuel, . . .)
	500	Repair and Maintenance
	500	Unforeseen
	600	Depreciation
	6,790	Personnel

	100	Office and Sales
	-	Financial Facilities
	300	Factory Insurance
	99,215	Total

3. The volume of Annual Required Raw Materials and Where to Supply Them From (Domestic or Foreign), The Cost (in Rials and Euros) and Examining the Fundamental Changes in the Process of Supplying the Required Items in the Past and Future

Equivalent to Euros	Total Price			Supply Location	Unit Price		Consumption Required per Total Capacity	Consumption Unit	Consumption per Unit of Product	Num.
	Total (Million Rials)	Foreign Currency (Yuan)	Domestic (Million Rials)		Foreign Currency (Yuan)	Domestic (Million Rials)				
			150,000	Iran		150	1,000	tons	Date Packaging	1
			150,000	Total						

4. Human Resources and Employment Status

11 individuals will be employed. Specialized human resources will be available due to high-quality universities and technical and vocational training centers in Khuzestan province.

5. Assessment and Determination of Power, Water and Fuel Supply and Telecommunication and Transportation Facilities (Roads, Railways, Airports, Ports, . . .) and How to Provide Those to a Zone Suitable for the Project

Khoramshahr industrial zone has all the necessary infrastructures such as power, water, gas and telecommunication facilities. The distance between Khoramshahr and Ahvaz (Khuzestan capital) is 110 km. Khoramshahr port is one the most important commercial ports in the country which can facilitate export. Also, the Shalamchah border market within the 18 km distance to the project location can make the export efforts to Iraq much easier. The distance to Abadan airport and railway is 15 and 5 km, respectively.

Annual Salary and Benefits - 14 months	Salary - Rials	Number	Item	Num.
700	500,000,000	1	Manager	1
560	400,000,000	1	Quality Control Manager	2
420	300,000,000	1	Technical Expert	3

4,200	25,000,000	12	Skilled Worker	4
350	25,000,000	1	Administrative and Marketing Staff	5
560	20,000,000	2	Worker and Driver	6
7,790		18	Total	

Total Cost - Million Rials	Unit Price - Rials	Annual Consumption	Unit	Item	Num.
165	1,100	15,000	kw/h	Power	1
10	1,000	10,000	m ³	Water	2
40	4,000	10,000	liter	Diesel Fuel	3
210	30,000	7,000	liter	Gasoline	4
425	Total				

6. Commercial and Economic Support for the Project

Several supporting projects are ongoing to promote the industry.

- In order to evaluate, discuss and resolve the obstacles and problems facing the production units, a “Production Facilitation Committee” was appointed in all the provinces whose members are governor-general (chairman), provincial unit head of Ministry of Industry and Mines (secretary), head of provincial management and planning organization, head of the provincial chamber of commerce, industries, mines and agriculture, head of the provincial chamber of industry, mining and commerce, etc. The most important responsibility of the committee is to
 - facilitate, complete and launch semi-finished production projects and develop them
 - support and help the export of provincial products
 - evaluate the cause of stagnation or suspension of production unit operations and try to solve the problem
- **Resistive Economy (Economic Prosperity) Committee:** Ministry of Industry, Mines and Commerce issued a resolution (12868) on May 15th, 2016 by which the completion of industrial projects with more than 60% physical progress and support of small and medium production units were funded.
- **Small Industries Investment Guarantee Fund:** Issuing credit guarantees facilitates the financing of small businesses and warrants the payback of principal plus interest to the bank. The guarantee will be issued after a thorough inspection and validation and offering the proper collateral.

6.1. Supporting Custom Tariff (of Products and Machinery) by International Tariffs

The tariff for importing the machinery required for the project is 5 to 10 percent to facilitate the technology provision and support domestic production. The tariff for importing processed and packages date is 14% to prevent the importing and support domestic production.

6.2. Financial Support (of Available Units and Projects) by Banks - Investment Companies

The funding by banks can be accomplished by

1-Foreign Exchange Reserve Fund: The oil revenue surplus is allocated to manufacturers and exporters to finance some of their foreign currency needs in the shape of Islamic contracts and approved regulations and according to domestic import and export of commodity and services regulations.

2-Resistive Economy (Economic Prosperity) Committee: Funding is considered to complete the industrial projects with more than 60% physical progress and support the small and medium production units.

3-Foreign Investment Encouragement and Protection Law

Since 1955, the framework of foreign investment in Iran's law has been to attract and support foreign investment. In order to make reforms in the economic structure of the country, the Iranian parliament proposed new law on foreign investment called the Encouragement and Support of Foreign Investment Act which was finally approved in 2002. This new law has led to the development of the legal framework and the environment for foreign investors in Iran. Some of the progress made by the new law in the field of foreign investment are:

- The Government of the Islamic Republic of Iran welcomes the foreign investment of foreign entities, both natural and legal, in all areas of economic activity.
- Recognition of new investment methods in addition to foreign direct investment
- Facilitating the process of applying and approval of foreign investment
- Establishment of an organization called Foreign Investment Services Center within the Organization for Investment Economic and Technical Assistance of Iran in order to provide centralized and effective support to the activities of foreign investors in Iran

In case of attracting foreign investment, the government has considered incentives some of which are:

١. Tax exemption for products of foreign investment companies
٢. Providing insurance coverage to investors
٣. Granting customs exemptions on the import of inputs required by foreign investment companies
٤. Provide subsidies for local labor training
٥. Creating free-trade zones for investment
٦. Providing cheaper infrastructure and public services such as water and electricity

٧. Guaranteeing the return of profits and principal and preventing their confiscation and nationalization

7. Analysis, Conclusions and Suggestions:

- Economic Expert Report

The study of the project plan indicates the profitability of the project. The project has very high efficiency and the product is surely in high demand. The project is designed to gain more market share of the product and thus, the price is set to the minimum value. If the revenue is to be calculated based on the exporting prices, the profit will be much higher. Therefore, according to the indicators obtained from the study, the implementation of this project can be very profitable and highly recommended.

- Environmental Expert Report

None of the environmental criteria including air, soil and noise pollution and waste disposal were violated and thus, the project can be completely implemented.

- Management Expert Report

It can be concluded that the implementation of this project is highly recommended because date is a highly-consumed product with high nutritional value. The product is fully produced and prepared domestically. Proper packaging of the dates can lead to a successful export effort. This product can play an important intermediate and nutritional role. Thus, the implementation of this project is highly recommended.

٨. Financial Report Summary

99,215	Product Final Cost
150,000	Product Sales Price
150,000	Total Sale (Million Rials)
46.26%	Sales Percentage at Break-Even Point
50,785	Profit (Million Rials)
36%	Internal Return Rate
44,275	Net Value Added (Million Rials)
2.7 years	Payback Period