



Aras Free Trade-Industrial Zone Organization

Technical and Economic Feasibility Form Production Projects (Industrial - Agricultural)

1. Project: Packaging of various dried fruits

2. Project Presentation:

Packaging of agricultural products with a capacity of 16,000 tons per year

۳. Description of the Project:

A. Necessity of the Project: Support for Agricultural Products

B. Mainland Privileges (Raw Material – Market): Easy and cost-effective access to raw materials and availability of markets in Europe and the Middle East due to geographical location and transportation infrastructure.

C. Organic nature of the country's agricultural products, low current costs, and total costs in the country, along with the presence of young and skilled workforce in the region.

D. Market Potentials:
40 to 50 percent

۴. Market Feasibility; Economic – Financial:

A• Annual Demand for the Product (Domestic – Countries of the Region – World Demand):

Iranian Market: 40,000 tons

Regional Markets: 400,000 tons

Global Markets: 2,000,000 tons

B• Raw Materials Provision Potential (Domestic – Countries of the Region):

The potential for sourcing raw materials domestically is much higher than regional countries•

C• Local and Regional Markets:

Markets in Turkey, Moscow, Iraq, the UAE, Armenia, and larger European countries

5. FS Components:

A. Fixed Capital: 506,000,000,000 rials
Working Capital: 124,400,000,000 rials

B. PBP: 4 years

C. IRR: 28

D. Land Area: 4,000 square meters
Built-up Area: ۲,۴۰۰ square meters

E. Direct Employment: 40 individuals

6. Technical Specs:

A: Table of Raw Materials and Estimated Consumption:

Row	Raw Materials	weight (tons)
۱	walnut	2,000
۲	almonds	3,000
۳	Pistachio	5,375
۴	Hazelnut	1,500
۵	cashew	500
۶	sunflower seed	500
۷	Apricot	100
۸	Date	1,600
۹	Dried apricots	500
۱۰	Raisins	5,000
۱۱	sack	11
۱۲	Cartoon box	626
۱۳	Food and pharmaceutical grade liquid paraffin	15
۱۴	Nylon	33

B • Table of Products and Estimated Production

Row	the product	weight (tons)
۱	Dry fruit packaging	10,300
۲	All kinds of dried fruit	5,700

C • Table of Machinery and Production Line Equipment

Row	List of Machinery:
1	Indirect heat furnace
2	Nut crusher machine
3	Nut blanching machine
4	Automatic adhesive applicator machine
5	Roasting machine
6	Color sorter machine for nuts and legumes
7	Shrink pack machine
8	Weighing machine
9	Raisin steam blancher, grading sieve, and blower machine
10	Oil press machine
11	Cold storage equipment
12	Automatic weighing, filling, and sewing machine
13	Sieve
14	Forklift
15	Sorting table
16	Sorting conveyor belt
17	Packaging machine

D• Schematic Diagram of the Production Process:

1. Transfer to the production line
2. Washing and drying the raw material, if necessary
3. Crushing raw materials with tough skin and cleaning
4. Quality control and sorting
5. Packaging and transferring the product to the cold storage

E. Table of Energy and Labor Costs

Cost:	
Energy:	53.000 million rials
Work force:	2.000 million rials

7. Risks of the Project:

A• Existing Risks in case of Losing Potential Market:

Currency exchange rate risk - Inflation risk - Liquidity risk - Business risk

B• Risk of Rising Raw Material Price:

In the event of an increase in the exchange rate, the cost of imported raw materials also increases, which affects the total cost of the product•

C• Retention Risk:

Safety and health management requirements in the workplace - Organizational risk management on performance - Training of human resources and personnel for risk awareness to reduce potential harm•

D• Risk of Currency Fluctuations and Inflation:

Financial provisioning in the national currency - Matching liabilities or assets in the unit currency - Reporting and financial statements in currency (without conversion) - Participation in derivative contracts market - Conducting compensatory transactions - Contracting for the purchase and sale of products in the national currency.