



Aras Free Trade-Industrial Zone Organization

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

1. Project: Production of fruit and citrus powder and chips.

2. Project Presentation:

Including various tropical and subtropical fruits.

3. Description of the Project:

a. Necessity of the Project:

The desired product is an intermediate and final commodity that, after production, is used as a major component in the food industry and for direct consumption by people. Considering the advancements in this field, population growth, and other factors, the demand for this product will increase in both domestic and international markets. Therefore, due to the high profit margin and market demand, the decision has been made to produce it.

b. Mainland Privileges (Raw Material – Market):

The availability of resources such as water, soil, cheap energy and labor, as well as the existing potential in the domestic and international markets for agricultural and processing products, is a key factor.

c. Market Potentials:

Considering the importance of agricultural production in ensuring food security, there is a suitable market and demand for food products in this sector.

d. Added Value:

Food production, especially when utilizing modern technologies to optimize the use of available resources, can create significant value-added.

4. Market Feasibility; Economic – Financial:

a. Annual Demand for the Product (Domestic – Countries of the Region – World Demand):

There is a suitable annual demand for the produced products in the food industry in Iran, regional countries, and worldwide, especially in countries like Russia, due to the quality and safety of the products.

b. Raw Materials Provision Potential (Domestic – Countries of the Region):

The required raw materials for the production of chips and fruit are mainly available domestically, and if needed, investors and applicants can also source raw materials from abroad.

c. Local and Regional Markets:

In addition to the domestic market, the target markets include countries in the Persian Gulf region, CIS countries, and European and subtropical countries.

5. FS Components:

a. Fixed Capital: 353,964,000,000 rials

Working Capital: 1,376,178,000,000 rials

B: PBP : 2 years

c: IRR: 67

d: Land Area: 8,000 square meters

Built-up Area: 4,800 square meters

E: Direct Employment:

87 Individuals

6. Technical Specs:

a. Table of Raw Materials and Estimated Consumption:

1. Fruit
2. Paper packaging
3. Shrink nylon
4. Glucose syrup
5. Plastic bags, etc.

b: Table of Products and Estimated Production:

Fruit powder - Fruit and citrus chips

c: Table of Machinery and Production Line Equipment

1. Fruit washing and preparation section
2. Mixer
3. Crusher machine
4. Homogenizer
5. Concentrate storage tanks
6. Others

d: Schematic Diagram of the Production Process:

Sorting - Washing - Peeling and pitting - Crushing - Straining -
Concentrating - Sterilizing – Packaging

e: Table of Energy and Labor Costs

Costs: 16724019 million Rials	
Energy:	3625 million Rials
Work force:	156,944 million Rials

7. Risks of the Project:

a: Existing Risks in case of Losing Potential Market:

Exchange rate risk - Inflation risk - Liquidity risk - Business risk

b: Risk of Rising Raw Material Price:

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

c: Risk of Currency Fluctuations and Inflation:

Financial provisioning based on the national currency - Matching liabilities or assets based on a unified currency - Providing financial reports and statements in currency (without conversion) - Presence in derivative contract markets - Conducting compensatory transactions - Entering into purchase and sale contracts based on the national currency.

