

## **PROJECT PROFILE – SUMMARY SHEET**

**1- Project title: Beta-carotene (natural food color from carrots)**

**2- Progress status :**

In producing:     Less than nominal capacity     Full capacity

project:  Incomplete     New     Expansion

Inactive after operate     In use other than the purpose of the project

**3- Sector: Food and beverage products (15)**

**Subsector: Manufacture of other food products not classified elsewhere (49)**

**4- Products: Beta-carotene production**

**5- Location:**

Main land     Free zone     Economic special zone     Industrial Estate

City: Tabriz    Province: East Azarbaijan    Country: Iran

**6- Building & Equipment Specifications:**

Land area: 8000 m<sup>2</sup>    Building area: 3400 m<sup>2</sup>

**7- Accessibility & Infrastructure:**

Available electricity:-	Distance to high voltage:-	Phone:-
Internet Infrastructure:-	Available Water:-	Number of wells:-
Water capacity:-	Drinking water:-	Gas available:-
Distance to gas supply:-	Distance to highway/main road:-	Distance to nearest city:-
Distance to provincial capital:-	Distance to the nearest customs:-	Distance to the nearest Airport:-
Distance to the nearest railway station:-	Distance to the nearest port:-	Distance to Borders:-

**8- Explanation of Production Process:**

The common methods of producing edible colors in the world are as follows:

Distillation with steam

1. Compression
2. Solvent extraction
3. Soaking the color source plants and separating the color by solvent
4. Proximity with wax or oil
5. Extraction with supercritical fluids (chosen method in this project)

**9- Capacity:**

Nominal capacity: 120 tons per year

Actual capacity: 90 tons per year

**10- Internal Raw Material Access: 100%**

**11- Sale:**

Anticipated export market: 0%

Anticipated internal market: 100%

**12- Construction Period: 24 months**

**13- Special points:**

- land prepared                       Relevant legal permission                       Environmental license
- Partnership agreement concluded with local/foreign investor                       Ability to obtain banking loan
- Machinery and equipment are available                       Product / service sales contract
- Purchase agreement for machinery, equipment and know-how concluded
- Infrastructural utilities (electricity, water supply, telecommunication, fuel, road, etc.) procured
- Others advantages (Technology, innovation, rank of industry, market specific privilege, intellectual property, etc.): The building of slaughterhouse is ready and it needs to be establish equipment and machineries.

**14- Feasibility study Status:**

- Updated Feasibility study                       Pre-Feasibility study                       No Feasibility study

**15- Value of equipment/machinery & technical know-how:**

Value of local equipment/machinery:-                      Value of foreign equipment/machinery: 1.749 Million Euro  
 Value of local technical know-how: -                      Value of foreign technical know-how: 0.152 Million Euro

**16- Financial Table:**

Description	Local Currency Required			Foreign Currency Required in Million Euro	Total in Million Euro
	Million Rials	Exchange Rate	Equivalent in Million Euro		
Fixed Capital	586,215	450928	1.30	1.901	3.201
Working Capital	210331	450928	0.466	0.00	0.466
Total Investment	796,546	450928	1.766	1.901	3.667

- Net Present Value (NPV): 2.809 million Euro

- Internal Rate of Return (IRR): 35.55%

- Payback Period (PP): 4.53 years

**17- Employee:**

employee	available	required	total
person	-	64	64

**18- Company Profile:**

Name (legal entity /human legal entity): East Azarbaijan Agriculture organization

Name of Contact Person/ CEO: Mr. Nader Kheirollah Khani

Current activity:-

Activity history: -

Legal structure of the company:  Private                       government                       Public

Tel: +98-4134494419                      Fax: -                      phone number: +98-9144049620

Web site: www.eaj.ir                      Email: khani\_nader@yahoo.com                      P.O. Box: -

Office Address: -

***Please attach the following documents if available:***

*Feasibility study*

*Legal permissions and ownership documents*

*Company Contracts*

*Aerial photos, local access, surrounding urban context*

*Location in the city, Split map, Municipality district*

*Brochure and catalogue of project*