

PROJECT PROFILE – SUMMARY SHEET

1- Project title: Food microorganisms

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: Other food products not classified elsewhere (49)

4- Products: Food microorganisms

5- Location:

☒ Main land ☐ Free zone ☐ Economic special zone ☐ Industrial Estate

City: Tabriz

Province: East Azarbaijan

Country: Iran

6- Building & Equipment Specifications:

Land area: 6000 m² Administration Building: 3310 m²

List of machinery and equipment:

<i>Description</i>	<i>Amount</i>	<i>Unit</i>
<i>Double-walled steel fermenter (from 500 lit. to 5000 lit.)</i>	<i>1</i>	<i>Set</i>
<i>Agitator tanks for material preparation</i>	<i>1</i>	<i>Set</i>
<i>Ultra sterilization</i>	<i>1</i>	<i>Device</i>
<i>Industrial tubular centrifuge</i>	<i>1</i>	<i>Device</i>
<i>filtration</i>	<i>1</i>	<i>Series</i>
<i>Homogenizer</i>	<i>1</i>	<i>Device</i>
<i>Multi-step operator</i>	<i>1</i>	<i>Series</i>
<i>freeze dryer</i>	<i>1</i>	<i>Series</i>
<i>Packaging</i>	<i>1</i>	<i>Device</i>
<i>Agitator tank process</i>	<i>1</i>	<i>Set</i>
<i>Powder filler</i>	<i>1</i>	<i>Device</i>
<i>Sachet packaging machine</i>	<i>1</i>	<i>Device</i>
<i>Hydrolysis tanks</i>	<i>1</i>	<i>Device</i>
<i>Cryogenic tank (liquid nitrogen industrial flask with microbial bank)</i>	<i>1</i>	<i>Set</i>
<i>Piping and other process equipment</i>	<i>1</i>	<i>Set</i>

7- Accessibility & Infrastructure:

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

8-Explanation of Production Process:

At first, microorganisms are cultured and purified in the laboratory and stored in ozone tanks using a dry lyophilization. Therefore, in general, the production process includes the cultivation of microorganisms, concentration of microorganisms, centrifugation, and finally drying by freeze drying and packaging of the final product

9- Capacity:

Nominal capacity: 86,400 kg

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.):

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: 2.217 Million Euro*
Value of local technical know-how: - *Value of foreign technical know-how: 0.172 Million Euro*

16-Financial Table:

Description	Local Currency Required			Foreign Currency Required in Million EUR	Total In Million EUR
	Million Rials	ExchangeRate	Equivalent in Million EUR		
Fixed Capital	556108	450928	1.233	2.389	3.622
WorkingCapital	245662	450928	0.545	0.00	0.545
TotalInvestment	801770	450928	1.788	2.389	4.167

- Net Present Value (NPV): 2.91 million Euro

- Internal Rate of Return (IRR): 36.15%

- Payback Period (PP): 4.33 years

17-Employee:

employee	available	required	total
person	-	53	53

18- Company Profile:

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

Name of Contact Person/ CEO: Mr. Nader KheirollahKhani

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: Between Laleh Sq. and Jihad Sq., Azadi street, Tabriz, East Azarbaijan province, Iran

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