

PROJECT PROFILE - SUMMARY SHEET

<i>Project Introduction</i>	
1. Project title : Unit of Lactic Acid Production from Cheese Waste in Amol	
2. Sector : industry	Sub sector : chemical
3. Products / Services : lactic acid	
4. Location: Free zone <input type="checkbox"/> Special economic zone <input type="checkbox"/> Industrial estate <input checked="" type="checkbox"/> Main land <input type="checkbox"/>	
5. Project description: Whey with high contamination index (about 50,000 PPM) is considered as a hazardous pollutant in the environment. This lactose-rich source (with about 4-5% lactose) is used as a useful substrate for the preparation of many valuable materials. Lactic acid is one of these materials that has many applications in various industries. In particular, the isomer (+) of this acid is approximately 10 times the amount of E (L) and Di (D), for many medical purposes, such as absorbable surgical threads, or the coating of controlled release agents. Is placed. Lactobacilli are mainly blended with (L) and (D) these acids. The project will be implemented on an area of 4500 square meters.	
6. Annual capacity : 400 ton	

<i>Project Status</i>	
7. Local / internal raw material access 100%	
8. Sale: Anticipated export market 40 %	
9. Construction period 1.5 year (From the start of activities until the start of commercial operations in the year)	
10. Project Status :	
- Feasibility study available?	ye <input type="checkbox"/> * no <input type="checkbox"/>
- Required land provided?	ye <input type="checkbox"/> * no <input type="checkbox"/>
- Legal permissions (establishment license, foreign currency quote, environment, etc) taken?	ye <input type="checkbox"/> no <input type="checkbox"/> *
- Partnership agreement concluded with local / foreign investor?	ye <input type="checkbox"/> no <input type="checkbox"/> *
- Financing agreement concluded?	ye <input type="checkbox"/> no <input type="checkbox"/> *
- Agreement with local / foreign contractor (s) concluded?	ye <input type="checkbox"/> no <input type="checkbox"/> *
- Infrastructural utilities (electricity, watersupply, telecommunication, fuel, road, etc) procured?	ye <input type="checkbox"/> * no <input type="checkbox"/>
- List of know – how, machinery, equipment, as well as seller /builder companies defined?	ye <input type="checkbox"/> no <input type="checkbox"/> *
- Purchase agreement for machinery, equipments and know – how concluded?	ye <input type="checkbox"/> no <input type="checkbox"/> *

Financial Structure

11. Financial table

Description	Local Currency Required			Foreign Currency Required Million Euro	Total Million Euro
	Million IRR	Rate	Equivalent in Million Euro		
Fix Capital	548100	270000	2.03	0	2.03
Working Capital	18900	270000	0.07	0	0.07
Total Investment	567000	270000	2.10	0	2.10

- Value of foreign equipment / machinery 0 Million euro
- Value of local equipment / machinery 1.4 Million euro
- Value of foreign technical know - how ... Million euro
- Value of local technical know - how ... Million euro
- Net Present Value (NPV): 2.10 Euro for 10 Year
- Internal Rate of Return (Irr) 20 %
- Payback period (pp) 3.8 Year

General Information

12. Project Type : Establishment Expansion and completion

13. Company Profile:

- Name (legal / natural persons): Bae Lashaki
- Company name: Industries and mines organization of Mazandaran Province

Address : Industries and mines organization of Mazandaran Province-. Pasdaran Boulevard - Sari

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- Local entrepreneur: - private sector - public sector - other

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