



**Project Title: Manufacturing Sandwich Panels from polyurethane**

Sector	Manufacturing resin and plastic products (25)
Sub Sector	Various types of plastic product (20)
Products / Services	Sandwitch panels from polyurethane
location	Shahid Salimi industrial estate, Azarshahr sub-province ,East Azarbaijan province
Project description	Land area: 7000 m <sup>2</sup> Building area: 3000 m <sup>2</sup> Installation : 723 Million Rials A brief summary of production process: One of the current ways for producing sandwich panels is steady (persistent) method. In this method the raw material is exchanged into sandwich panels by means of mechanical robots and mechanized machines. These machine are as following: 1- Roll forming machine which is used for forming pained galvanized rolls as ceiling or wall panels; ; 2-Two-parts high pressure foaming machine which receives poly-el or poly isocyanate or other substances with specific formulas and exchange them into polyurethane foams through especial chemical actions. Polyurethane foaming action process is called injection molding. In this method, high pressure injection systems are used for pushing raw material into pumps; 3-Double –billet machine with length of 25-30 meters; 4-Cutting machine witch cut sandwich panels into size of customer’s order; 5.Packing machine which does the final packing stage. Length of this production line can be about 120 m.
Annual capacity	Nominal capacity: 1,500,000 m <sup>2</sup> per year Practical capacity:1,200,000 m <sup>2</sup> per year

Local/ internal raw material access: 80%

Sale:

- Anticipated local market: 100%
- Anticipated export market: 0%

Construction Period: 1 year

Project Status:

- Feasibility study available? No
- Required land provided? Yes
- Legal permissions (establishment license, foreign currency quota, environment, etc) taken? Yes
- Partnership agreement concluded with local/foreign investor? No
- Financing agreement concluded? No
- Agreement with local / foreign contractor(s) concluded? No
- Infrastructural utilities (electricity, water supply, telecommunication, fuel, road, etc) procured? Yes
- List of know-how, machinery, equipment, as well as seller / builder companies defined? Yes
- Purchase agreement for machinery, equipment and know- how concluded? No

Descriptions	Local Currency Required			Foreign Currency Required (Million Euro)	Total Million Euro
	Million Rial	Rate	Equivalent in Million Euro		
Fixed Capital	21,844	50,700	0.43	1.83	2.26
Working Capital	85,659	50,700	1.69	0.00	1.69
Total Investment	107,503	50,700	2.12	1.83	3.95
<ul style="list-style-type: none"><li>• Value of foreign equipment / machinery: 1.83 Million Euro</li><li>• Value of local equipment / machinery: - Million Euro</li><li>• Value of foreign technical know-how: - Million Euro</li><li>• Value of local technical know-how: - Million Euro</li><li>• Net present value (NPV): 1.42 Million Euro in 10 years of launching time</li><li>• Internal Rate of Return (IRR): 42.57%</li><li>• Payback Period: 3 years from the beginning of launching period</li><li>• Minimum rate of expected return: 30%</li></ul>					

**Project Type:** ☒ Establishment ☒ Development and completion

**Local Entrepreneur:** ☒ Private sector ☐ Public sector

**Company Profile**

**Name (legal /real person):** Mr.Hassanpour

**Company Name:** Foolad GharbNavard Karan Company

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