

## Project Title: The construction of Solar energy plant in a capacity of 15 MW

Sector	Infrastructure
Sub Sector	Electricity generation
Products / Services	Electricity generation by solar power
location	A piece of land leased from Department of Environment, Bonab, East Azarbaijan
Project description	Land area: 300,000 m <sup>2</sup> , Building area: 400 m <sup>2</sup> Installations: 24,385 Million Rials. A summary of the production process: In this project by using solar cells, electricity is directly produced through sunbeams and electricity is produced directly through sun energy.
Annual capacity	The nominal capacity of solar plant is 59,400 MW annually and its practical capacity is 40,986 MW annually.

Local/ internal raw material access: 100%

### Sale:

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

Construction Period: 2 years

### 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	132,515	41,714	3.177	21.00	24.177
Working Capital	4,026	41,714	0.096	0.00	0.096
<b>Total Investment</b>	<b>136,541</b>	<b>41,714</b>	<b>3.273</b>	<b>21.00</b>	<b>24.273</b>

- Value of foreign equipment / machinery: 21 Million Euro
- Value of local equipment / machinery: - Million Euro
- Value of foreign technical know-how: - Million Euro
- Value of local technical know-how: - Million Euro
- Net present value (NPV): 3.53 Million Euro for 20 years of lanching time
- Internal Rate of Return (IRR): 17.85%
- Payback Period: 5.43 years from the beginning of lanching period
- Minimum rate of expected return: 15%

**Project Type:**  Establishment  Development and completion

**Local Entrepreneur:**  Private sector  Public sector

#### Company Profile

**Name (legal /real person):** -

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