



Project Title: 50 MW wind farm

Sector	Infrastructure
Sub Sector	Electricity generation
Products / Services	Electricity
location	Ahar, East Azarbaijan province
Project description	land area: 20 acres Building area: 800 m ² Installations: 724 Million Rials A summary of the production process: Wind turbines converts the motion energy of the wind into mechanical power and it is transferred to the generator through a shaft and finally electric power is produced. Wind turbines work based on a simple principle. Wind energy rotates two or three blades round turbine rotors. The rotors are connected to the central shaft and when it rotates, the generator rotates and electricity is produced.
Annual capacity	The nominal capacity of turbines is 438,000 MW annually and its practical capacity is 262,800 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? No
- List of know-how, machinery, equipment, as well as seller / builder companies defined? No
- 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	3,689,019	50,700	72.76	0.00	72.76
Working Capital	16,103	50,700	0.32	0.00	0.32
Total Investment	3,705,122	50,700	72.08	0.00	72.08
<ul style="list-style-type: none">• Value of foreign equipment / machinery: - Million Euro• Value of local equipment / machinery: 64.82 Million Euro• Value of foreign technical know-how: - Million Euro• Value of local technical know-how: - Million Euro• Net present value (NPV): 10.11 Million Euro in 20 years of lunching time• Internal Rate of Return (IRR): 22.73%• Payback Period: 4.16 years from the beginning of exploration period• Minimum rate of expected return: 20%					

Project Type: ☒ Establishment ☐ Development and completion

Local Entrepreneur: ☒ Private sector ☐ Public sector

Company Profile

Name (legal /real person): -

Company Name: Azarbaijan Regional Electric Company

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