

Title: SWOT Analysis for Iran's Wind Farms

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Iran is a rich country in terms of wind energy, however, compared to most countries, little has been done on utilization of renewable energies targeted. Potential energies such as high speed wind tunnels, solar energy, geothermal and valuable biomass sources of energy are at preliminary stages and their share of total power generation is still negligible and does not exceed 0.6%. Whereas, design and construction of wind farms is economically feasible due to reasonable price of equipment and abundance of cheap sources of renewable energy, SWOT analysis is conducted in order to unveil the reasons underlying the slow pace of development of wind farms in Iran. The analysis is intended to draw a roadmap and specify the nation's macro policies.
This SWOT analysis applies in wind farms and reveals the very fact that abundance of inexpensive fossil fuels constitutes one of the most decisive factors why wind farms remain undeveloped in Iran and instead priority is given to the thermal power plants which are both cheaper and more reliable compared to wind power generation. Significant factors considered by private investors and companies in the renewable energy sector, is the economic impediments and governing rules and regulations. In this study, financing procedures and change of law that would facilitate removal of the standing obstacles. The Middle Eastern possess fossil fuel resources but at the same time suffer from shortage of potable water as well as non-development of wind farms. This study in general can be useful and practical in these countries.

Biography

Akbar Adibfar is currently Managing Director and member of board of MAPNA Renewable Energies Co. This company is owner and investor in renewable energies and now it have 3 wind farm in Iran and will invest 500 mw in wind farm and 100 mw solar farm, PV type. He is author of two books "Wind Power Plant" and "Water Desalination Plants" an more than 10 international papers. He has over 20 years of experience as an engineer and project management. He is member of R&D workshop in MAPNA Group and he has PMP certificate.