



## SCIENCE & TECHNOLOGY

### Iran Capable of Constructing over 7,000 MW Wind Power Plants

Iran is capable of building wind power plants in the country with a total capacity of over 7,000 megawatts (MW), according to the spokesman of the Renewable Energy and Energy Efficiency Organization, known by the local acronym SATBA.



Jafar Mohammadnejad - Sigaroudi made the remark in an Instagram post on Saturday, adding that in the time being, the country's wind power plant capacity stands at 302 MW.

He noted that the country's wind and solar power plants become more active in summer, generating over 80 percent of their annual electricity output, which can prove helpful in the effective management of the national network's consumption peak during the warm seasons.

SATBA spokesman announced, the construction of a 50-MW wind power plant started in the province concurrent with the minister's trip. The wind power plant is expected to become operational in the next Iranian calendar year, starting March 2021, with €70 million in investments.

The project will be implemented using domestic capabilities by MAPNA Group, an industrial enterprise consisting of the parent company, MAPNA Group Company, and more than 40 subsidiaries. The power plant will be equipped with 20 turbines, each with a power generation capacity of 2.5 MW, and an 80-meter high turbine tower.



Once completed, the power plant will help reduce the country's diesel and water consumption by 45 million liters and 125,000 cubic meters per year.

In February, SATBA announced that Iran's total actual renewable electricity generation capacity reached 865 MW during January 21-February 19, 2020.

Iran is speeding up efforts for development of the renewable energy sector. Scientific studies suggest that Iran can increase electricity generation from the renewables to up to 80,000 MW, of which around 80 percent can come from solar energy.





## **Iran, Turkey to Cooperate on Manufacturing Wind Turbine Blades**

According to the Head of Iran's Materials and Energy Center (MERC), Iran and Turkey are to jointly start designing, manufacturing and testing of new wind turbine blades.

under the framework of Iran-Turkey research projects, titled as TUBITAK-MSRT Joint Call 2020, and out of 164 proposed projects, the two sides are to cooperate on 22 joint projects within the next two years, among which stands manufacturing of wind turbine blades.



The project will be jointly implemented by the Middle East Technical University of Turkey and MERC and will be observed by the Scientific and Technological Research Council of Turkey (TUBITAK) and the Iranian Ministry of Science, Research & Technology.

In 1971, MERC started its research activities in the fields of Materials Engineering, Renewable Energies, Semiconductor Technologies and Environmental Issues. Since then, it has developed extensive collaborations with National and International Universities and Industrial Research Institutes in recent years.

