

All communication base stations in Sudan are wind powered

What is power in Sudan?

Power in Sudan Sudan is a country with immense renewable energy potential,possessing a high hydropowerpotential based totally on its location on the river Nile and other watersheds,a high wind speed mainly in its northern and western region,and high solar radiation throughout the country.

Where will Sudan's first wind power plant be located?

Sudan has advanced a major step in developing its first wind power plant with the arrival of the wind turbine to be located in Dongolain the northern state,as part of the UNDP's wind energy project in the country.

What is the telephone system like in Sudan?

The telephone system in Sudan is well equipped by regional standards,but barely adequate and poorly maintained by modern standards. There were about 75,000 fixed telephone lines in use (serving 6,000 inhabitants) in the 1990s,but the World Factbook estimated that there were 400,000 by 2000. About 40 percent of the fixed lines are in Khartoum.

Is Sudan a good place to use solar energy?

The location of Sudan as part of sub-Saharan Africa enriches the solar potential. The average temperature ranges from 28 to 39°C. The average solar insolation is 6.1 kWh/m²/day,indicating a high potential for solar energy use. The Northern State has been considered as one of the best parts of Sudan for exploiting solar energy.

What is Sudan's first wind turbine?

Sudan's first wind turbine is 63 m-talland is expected to produce 100 MW of affordable clean energy to provide power for at least 14,000 people in Sudan's northern state . Figure 2: Sudan first wind turbine traveling to wind farm site in Dongola. Hydropower in Sudan

Does Sudan have a low electricity access rate?

Even though the energy access rate is low; Sudan is making progress in electrification with annual growth over more than 3 percentage points after 2010; more than 70% of Sudan's population was lacking access to electricity at that time . Table 1 below represents statistical facts about Sudan's electricity access rate from (2000 - 2019).



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