

Nearly ten days ago, senior officials of the Islamic Emirate handed over the construction of a 22.75 megawatt solar energy plant in the Surobi district of Kabul, valued at 18.2 million US dollars, to a Turkish and Afghan company. This project is ...

According to UNDP, solarization initiative is a crucial step towards addressing Afghanistan's energy challenges. Meanwhile, officials from some governmental hospitals and clinics say that the lack of electricity in health centers threatens the lives of patients.

Our program provided over 10,000 solar lanterns for different nomadic tribal people in Afghanistan. This included over 1,700 solar lanterns in Badakshan. These small systems are used to assist rural nomads in Afghanistan with basic LED light to replace kerosene lamps and to provide an option for mobile phone charging.

Kandahar's 15 MW solar power project is currently one of the biggest national projects in Afghanistan. This project has been developed as IPP by Zularistan Ltd and selling power to the Government/DABS under a PPA contract for 20 years period.

By harnessing solar energy, the initiative improves access to reliable and sustainable electricity, positively impacting communities, and the environment. Continued support and investment in sustainable energy solutions are essential for driving positive change and illuminating Afghanistan's future.

Solar PV -Global Horizontal Irradiance Afghanistan has excellent solar resources and large land-areas where solar can be deployed. Long-term yearly average of daily totals of global horizontal irradiation (GHI) in kWh/m² Output from the global solar model SolarGIS derived from satellite digital images and atmospheric datasets

Developing water, solar and wind power could reduce Afghanistan's import of electricity from abroad and help it emerge a regional renewable energy hub.

The results indicate that Afghanistan due to its natural and geographical situations enjoys important prospective for renewable energy bases such as solar, wind, geothermal and micro hydro power. Renewable energies could offer the ultimate solution for Afghanistan in general, and rural areas in actual.

Afghanistan shows very high values of solar assets eastwards from Iranian frontier and centered on Ghor province with summer monthlies that peak to 9.0 kW h/m² /summer day. Such "high solar" zones are close the populated Harirud river valley, Herat city.



Afghanistan solar frontier

According to experts in the field of electric energy, the wrongness of Afghanistan's electricity master plan has caused no investment in the production of electricity from solar energy during the republic.

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