

## PROJECT SUMMARY

**PROJECT DESCRIPTION:** 100 MW Solar Project in Sughd

**PROJECT LOCATION:** Sughd Region, The Republic of Tajikistan.

**PROJECT CAPACITY:** 100 MW PV Solar Plant

**LOCATION DESCRIPTION:** The Sughd Region is one of the four administrative divisions and one of the three provinces that make up Tajikistan. The region is surrounded by regions of Uzbekistan and Kyrgyzstan.

**SOLAR ENERGY POTENTIAL:** The solar energy potential capacity in Tajikistan is forecasted around 195,000 MW. The Government of Tajikistan promotes renewable energy with project-specific feed-in tariffs. The tariffs are based on the project's costs and guaranteed for 15 years. Electricity produced from solar are eligible for preferential terms.

**MAP OF SUGHD REGION:**





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ESTIMATED PROJECT COST:	Approximately USD 100 Million
PROJECT MODEL:	Public-private partnership
FINANCING MODEL:	Foreign direct investment
ADVANTAGES:	<ul style="list-style-type: none"><li>➤ The climate of Tajikistan is very favorable for the use of solar energy. On average there are 280-330 sunny days per year, and total solar radiation intensity varies during the year between 280 and 925 MJ/m<sup>2</sup> in the foothills, and between 360 and 1120 MJ/m<sup>2</sup> in the highlands. Use of available solar energy in Tajikistan can meet 10-20% of energy demand. Estimated potential of solar energy in Tajikistan is about 25 billion kWh / year. Tajikistan exported 417m kilowatt hours (kWh) of electricity to Uzbekistan in July.</li><li>➤ Having advantages with potential to supply to local country grid and a supplier of electricity export to Uzbekistan and based on location also to CASA -1000 power lines to Kyrgyzstan.</li></ul>
TARIFF RATE:	Favourable and based on International Practices of Solar Energy Projects
LOCAL SUPPORT OF LAND ALLOCATION:	State Committee on Investment and State Property Management of the Republic of Tajikistan, Ministry of Energy and Water Resources of the Republic of Tajikistan and Sughd Regional Government are fully committed to support the project. The regional land plot can be used as a contribution to the infrastructure development and be allocated for free of charge.
GOVERNMENT OFF-TAKER:	Power purchase agreement (PPA) will be signed by the National Integrated power company of Tajikistan.
POWER PURCHASE AGREEMENT:	Favourable negotiated PPA with National Integrated power company of Tajikistan. The PPA is expected to be valid for an operating period of 25 years.

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