



CONSTRUCTION OF A 700 MW SOLAR POWER PLANT

Nikopol district

Project information

- **Project description:** Solar power station construction (an object of alternative energy using solar energy).
- **Planned capacity:** 700 MW.
- **Solar energy per year:** 1,422 kW/m².
- **Project placement:** Nikopol district, Dnipropetrovsk region.
- **Project total cost:** \$ 741 mln
- **Project implementation period:** 6 months.
- **Payback period:** 6 years.

Land plot characteristics

Total area	1390 ha
Intended use	Reserve lands
Accommodation right	State ownership
Engineering infrastructure	
Distance from the nearest transport corridor	5 – 10 m (Highway H-23)
The nearest electrical substation	4-6 km

Project product

- **Solar power station construction.**

Project unicity

- Generation of electric power.
- Electric power transmission.
- Trade and distribution of electricity.

Forms of cooperation

- Equity participation of the investor

Project initiator

- Dnipropetrovsk Regional State Administration;
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DEVELOPMENT PROSPECTS OF SOLAR ENERGY IN DNIPROPETROVSK REGION

- ❑ **Average number of solar hours per year – 1900 - 2400.**
- ❑ **Solar-radiation level – 1300 - 1450 kW/m².**
- ❑ **“Green tariff” (Law of Ukraine “On electric power industry”) :**
 - 01.01.2017 – 31.12.2019 year – 0,18 €/kW;
 - 01.01.2020 – 31.12.2024 year – 0,16 €/kW;
 - 01.01.2025 – 31.12.2030 year – 0,14 €/kW
- ❑ **Current tariffs for industry on 12.01.2016**
(for voltage classes):
 - 1 class (voltage 27,5 kWt per hour and higher) – 0,07 €/kW;
 - 2 class (voltage up to 27,5 kWt per hour) – 0,09 €/kW.
- ❑ **Duration of “Green Tariff” – till 2030 year.**

