

# 50MW Hydro Power Plant with GOV PPA - 87 USD/MW for 20-Years





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Hydropower plants in Kazakhstan have played a significant role in the country's energy sector for many years. Kazakhstan boasts large rivers and abundant water resources, making it an ideal location for the development of hydropower projects. These plants harness the power of flowing water to generate electricity, providing a clean and renewable energy source for the nation.

The development of hydropower plants in Kazakhstan has several advantages. Firstly, it reduces the country's reliance on imported fossil fuels, enhancing energy security and independence. It also mitigates greenhouse gas emissions, contributing to efforts to combat climate change and reduce the country's carbon footprint. Additionally, these plants contribute to local economic development by creating job opportunities during the construction and operation phases.

### Overview

A Power Purchase Agreement (PPA) has been obtained from RFC/KEGOC (Government Body) for 38.99 tenge without VAT (indexed to USD and inflation)

The project is currently in the preparation phase, the technical documentation and the feasibility study are being finalized.

The company that owns this project is looking for a partner who may be interested in allocating a portion of capital in exchange for equity. It must be said that the project will be 70% financed by local banks.

The Power Purchase Agreement is very relevant as this is with the state and has a very high tariff.

Furthermore, the owner company is open to the use of turbines and electromachines of European or Chinese origin.

### Keypoints

- Object: Hydro Power Plant
- Location: East Kazakhstan
- Power Purchase Agreement (PPA): PPA with RFC "Settlement and Financial Center" (Government Body) for approx 39KZT (87USD/MWh)
- Off-take Contract: 20 years
- Installed Capacity: 50MW
- Yearly Estimated Production: 227,000,000 kWh
- CAPEX: 110M USD
- Total Cost: 2,200 USD / kW
- Estimated Revenue: 19,750,000 USD / Year
- EBITDA: 94% Margin
- Equity: % 30,00
- Borrowed funds: %: 70,0%
- Loan (of Capex): % 70,0%

GROSS REVENUE  
\$0

EBITDA  
\$0

BUSINESS TYPE  
Renewable Energy

COUNTRY  
Kazakhstan

BUSINESS ID  
L#20240600

- Bank Commitment: Obtained
- Credit terms: 15 Years
- Interest rate (Construction): % 9,00%
- Interest rate (Equipment): % 9,00%
- Commission for credit: % 0,6%
- Inflation Rate: 5,00%
- Off-take contract: 20 Years
- Payback period of NOT Discounted Cash Flow: 3,17 Years
- Payback period of Discounted Cash Flow 6,64 Years
- IRR: 20,20%
- Construction period: Q4-2024-Q4-2028.

#### Equity Deals

- Option 1: Looking for Equity Sponsor of 30% Equity;
- Option 2: Looking for Equity Sponsor for 51% of the 30% Equity;

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