

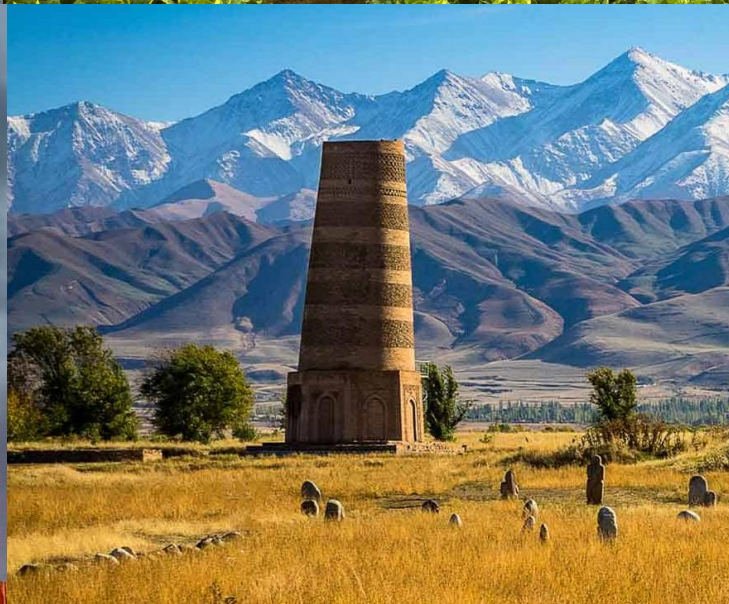
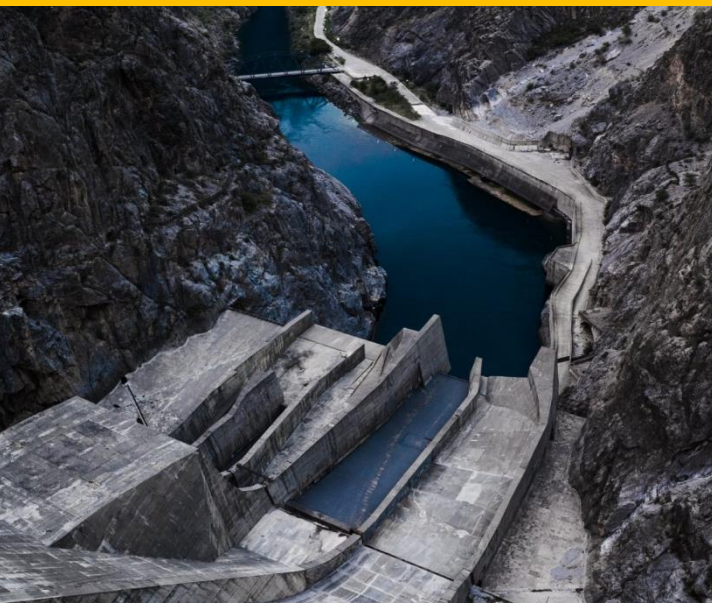


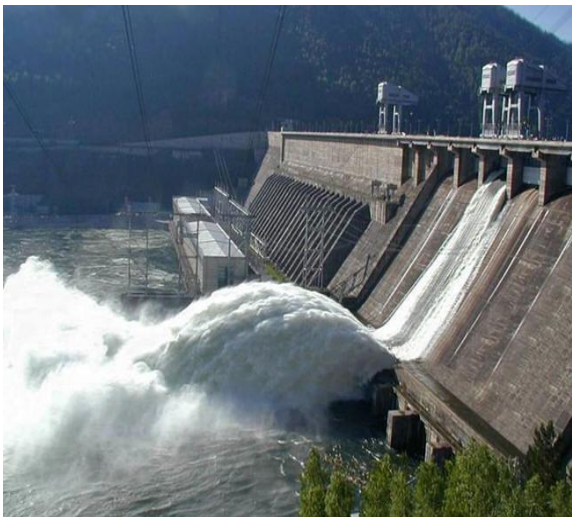
АГЕНТСТВО ИНВЕСТИЦИЙ И РАЗВИТИЯ КЫРГЫЗСТАНА

KADI

KYRGYZ AGENCY OF DEVELOPMENT AND INVESTMENT

INVESTMENT PROJECTS IN ENERGETICS SECTOR





Name of the enterprise:

Construction and operation of **the Upper Naryn cascade of HPPs**

Brief description of the project :

According to the feasibility study of the project developed by JSC "Lengidroproekt" (Russian Federation), the project cost is 727.65 million US dollars

The project provides the construction of 4 hydro power plants with a total installed capacity of 237.7 MW with an average annual generation of 942 million kWh, including:

- Ak-Bulun - 87.4 MW;
- Naryn-1 - 47.7 MW;
- Naryn-2 - 47.6 MW;
- Naryn-3 - 55 MW

Location: Naryn region, on the Naryn river, near the confluence of the Chon-Naryn and the Kichi-Naryn rivers

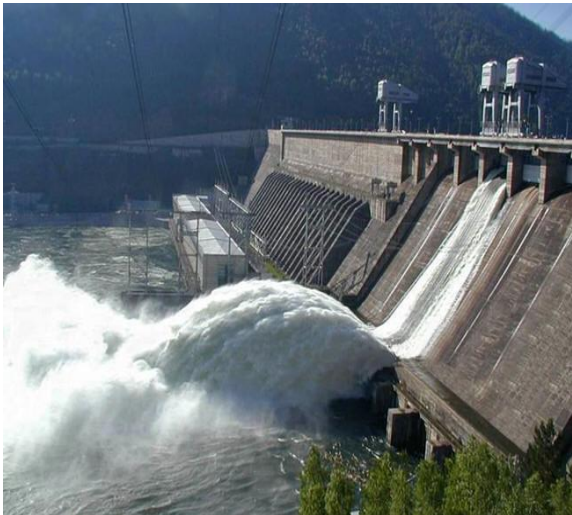
Description of the project initiator :

Ministry of energetics of the Kyrgyz Republic

Degree of the project preparedness:

- Ground areas are allocated;
- The first stage of the Residential camp for 450 people (15 buildings, including: the administrative building, dormitories for workers and engineers, a canteen for 170 people, a first-aid post, a store, a fire department) with all communications, etc., 100% readiness;
- The facility "Pioneer base": 80% readiness;
- The facility "Residential camp": 95% readiness;
- The facility of the main structure of the "Surface Spillway of NHPP-1" of the 1st stage of the foundation pit: 100% readiness;
- The facility of the main structure "Derivation channel of NHPP-1": 10% readiness;
- A concrete plant for 35 m3 per hour is installed;
- The facility "Temporary bridge at the Naryn river": 30% readiness;
- The facility "In-site roads", the length is 8 km;
- Temporary power supply - 35/10 kV substation, more than 10 km of 35 kV and 10 kV overhead lines, 8 transformers of various capacities are put into operation;

Amount of investment - \$727 000 000



Name of the enterprise:

Construction and operation of **Kambarata HPP-1**

Brief description of the project :

The project provides the construction of a hydroelectric power plant with an installed capacity of 1860 MW (4 units). Kambarata HPP-1 is one of hydropower plants of the Kambarata HPP cascade

Average flow of the Naryn River 14,5 km upstream from the existing Kambarata-2 dam into the gorge, where the river makes a large loop around the Karabash mountain

The final results of the project: The amount of energy produced by four units during the average annual period is 5640 million kWh

Project objectives: Additional power generation in the Kyrgyz Republic after introduction of the HPP will reduce the severity of winter deficit in the country, improve the reliability and stability of energy supply to consumers

Description of the project initiator :

Ministry of energetics of the Kyrgyz Republic

Degree of the project preparedness:

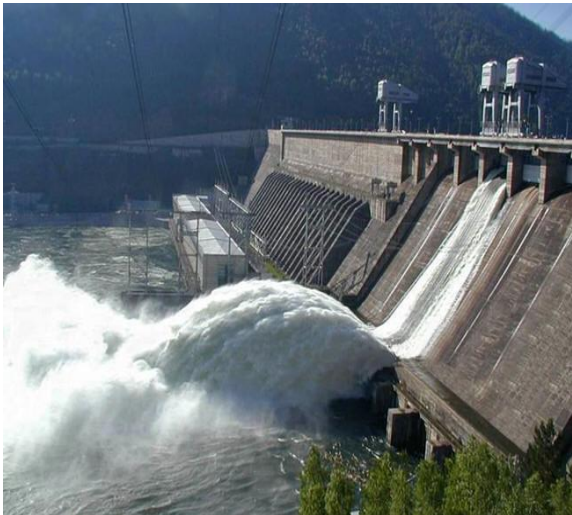
- Feasibility study of the project developed by a consortium between the corporation "SNC - Lavalin International Inc." (Canada) and OJSC "Southern Electric energy Center" (Russia);
- The feasibility study of the project passed the state and ecological examination.

Sources of debt repayment: Funds from the sale of electricity

Forecast financial and economic indicators of the project: Forecast data will be determined after clarifying the terms of the project financing

Plans for the sale of the finished products: Electricity generation and sales on the domestic and foreign markets

Amount of investment - \$2 870 000 000



Name of the enterprise:

Construction of **Chatkal cascade of HPPs**

Brief description of the project :

Project aim: Financing of the project for the purpose of construction of 2 HPPs with a total installed capacity of 1800 MW with an average annual generation of 2,650 million kWh, including:

- Barkrau-700 MW;
- Lower Chatkal - 1100 MW

Location: Jalal-Abad region, Chatkal district. On the Chatkal River, near the Besh-Aral River

The final results of the project: The volume of the generated power will make up an average annual generation of 2650 million kWh

Project objectives: The implementation will increase the capacity and power generation to cover the growth of loads in the energy system

Description of the project initiator :

Ministry of energetics of the Kyrgyz Republic

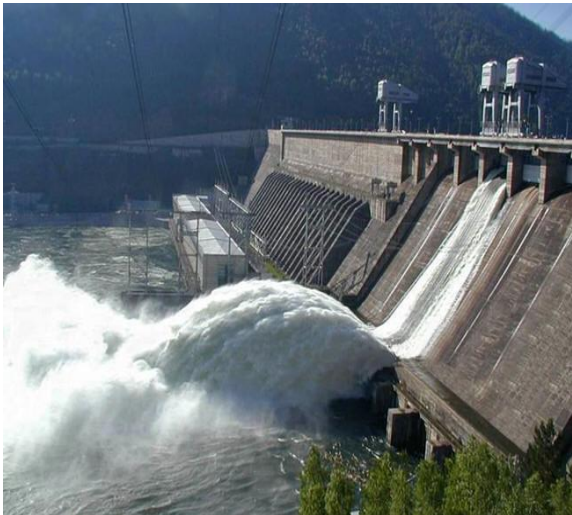
Sources of debt repayment: Funds from the sale of electricity

Forecast financial and economic indicators of the project: Forecast data will be determined after clarifying the terms of the project financing

Plans for the sale of the finished products: Electricity generation and sales on the domestic and foreign markets

Influence of the project on ecology: The construction project does not have a negative impact on the environment

Amount of investment - \$1 370 000 000



Name of the enterprise:

Construction and operation of **Kulanak cascade of HPPs**

Brief description of the project :

The investment project provides the construction of 5 hydroelectric power plants with a total installed capacity of 439 MW with an average annual generation of 2667.8 million kWh:

- At-Bashi - 135 MW;
- Uchkun - 88 MW;
- Ak-Talaa - 38 MW;
- Dzhilanaryk-1 - 80 MW;
- Dzhilanaryk-2 - 98 MW

Location: Naryn region, At-Bashi district. On the Naryn river, between the confluence of the At-Bashi and the Ala-Buka rivers

The final results of the project: The average annual power generation is 2667.8 million kWh

Project objectives: The implementation will increase the capacity and power generation to cover the growth of loads in the energy system

Description of the project initiator :

Ministry of energetics of the Kyrgyz Republic

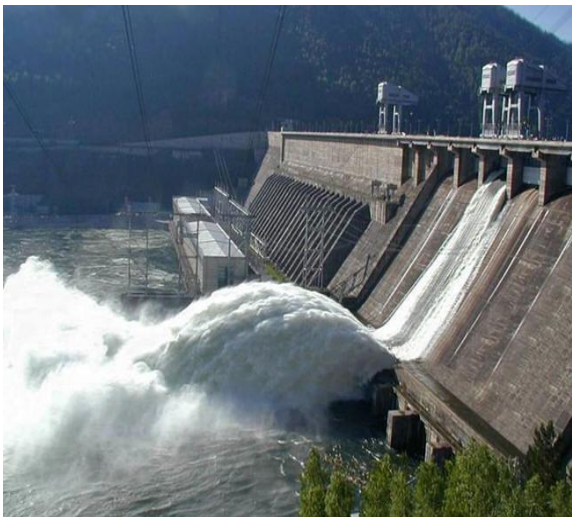
Sources of debt repayment: Funds from the sale of electricity

Forecast financial and economic indicators of the project: Forecast data will be determined after clarifying the terms of the project financing

Plans for the sale of the finished products: Electricity generation and sales on the domestic and foreign markets

Influence of the project on ecology: The construction project does not have a negative impact on the environment

Amount of investment - \$2 780 000 000



Name of the enterprise:

Construction and operation of **At-Bashi cascade of HPPs**

Brief description of the project :

Project aim: Financing the project for construction of 5 HPPs with a total installed capacity of 132.2 MW with an average annual generation of 753 million kWh, including:

- Taldy-Suu 1 - 20.0 MW;
- Taldy-Suu 2 - 26.7 MW;
- Oitersken 1 - 28.5 MW;
- Oitersken 2 - 17.0 MW;
- Akzhar - 40.0 MW

Location: Naryn region, At-Bashi district. On the Naryn river, near the At-Bashi river

The final results of the project: The amount of the energy produced by two units over the average annual period will amount to an average annual generation of 753 million kWh

Project objectives: The implementation will increase the capacity and power generation to cover the growth of loads in the energy system

Description of the project initiator :

Ministry of energetics of the Kyrgyz Republic

Sources of debt repayment: Funds from the sale of electricity

Forecast financial and economic indicators of the project: Forecast data will be determined after clarifying the terms of the project financing

Plans for the sale of the finished products: Electricity generation and sales on the domestic and foreign markets

Influence of the project on ecology: The construction project does not have a negative impact on the environment

Amount of investment - \$1 600 000 000

Thank you for your attention!!!

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