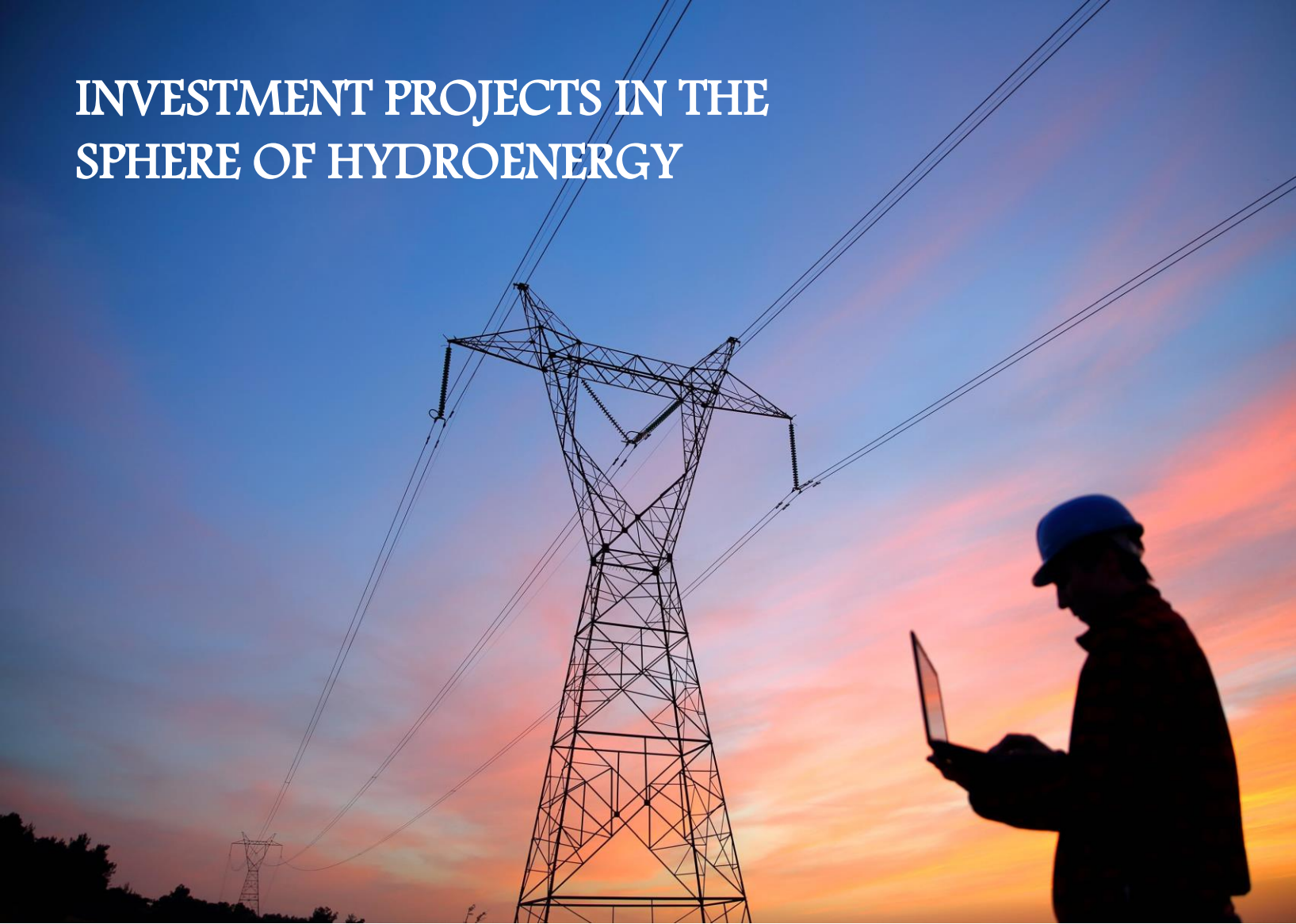


# INVESTMENT PROJECTS IN THE SPHERE OF HYDROENERGY



## PERSPECTIVE PROJECTS

## «KAMBAR ATA» HPS

**Project description.**

The dam of Kambaratinskaya HPP-1 is located on the Naryn River. In a V-shaped canyon, 14 km above Kambaratinskaya HPP-2.

**Key facts.**

Location: Jalal-Abad region

Payback period of the project: 10 years

A feasibility study has been developed by the Corporation "SNC Lavalin International Inc.". Land plots allocated with an area of 6318 hectares. Construction period of 8 years

**PROJECT COST: \$2,8 BILLION**



HYDROPOWER POTENTIAL  
SMALL RIVERS AND WATERCOURSES 5-8  
BILLION KWH PER YEAR

## PERSPECTIVE PROJECTS

## CONSTRUCTION OF KULANAK CASCADE OF HPS

### SHORT INFORMATION

**Project aim.** 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, including:

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

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

**TOTAL PROJECT COST: \$ 2,7 BILLION**



## PERSPECTIVE PROJECTS

## CONSTRUCTION OF CHATKAL CASCADE OF HPPS

### SHORT INFORMATION

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

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

**Final results.** The volume of the generated power will make up an average annual generation of 2650 million kWh

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

**TOTAL PROJECT COST.** \$ 1,3 BILLION



## PERSPECTIVE PROJECTS

## CONSTRUCTION OF KAZARMAN CASCADE OF HPPS

### SHORT INFORMATION

**Project aim.** Financing the project for construction of 4 hydro power plants with a total installed capacity of 1160 MW with an average annual generation of 4661,6 million kWh, including:

- Ala-Buka - 600 MW;
- Kara-Bulun -1 - 149 MW;
- Kara-Bulun -2 - 163 MW;
- Toguz Toro - 248 MW

**Final results.** The implementation will increase the capacity and power generation to cover the growth of loads in the energy system

**TOTAL PROJECT COST: \$ 3,6 BILLION**



## PERSPECTIVE PROJECTS

## SUUSAMYR-KOKOMEREN HPS CASCADE

### SHORT INFORMATION

**Project aim.**

Construction of 3 HPPs with a total installed capacity of **1,305 MW** with an **average annual output of 3,317 million kWh**.

Place of location and registration of the investment object: Suusamyр-Kokomerensky HPP cascade is located on the Kokomerен river, which is a tributary of the Naryn river.

The catchment area is 10,400 sq km, the length is 199 km. The average height of the pool is 2737 m. The highest monthly average temperature is 39°

**TOTAL PROJECT COST: \$ 3,3 BILLION**



## PERSPECTIVE PROJECTS

## ORTHO-TOKOY SHPS

## SHORT INFORMATION

Capacity 20 MW, 2 units of 10 MW each.

**Key facts of project.**

Pre-feasibility study of the project developed by "Mercados-energy markets international" company. Location: Kyrgyz Republic, Issyk-Kul region, on the Orto-Tokoy reservoir, on the Chu river.

**Project goals.**

Implementation will increase power and electricity generation to cover the growth in electricity consumption. The volume of energy generated by the two units for an average long-term period will be with an average annual output of 100 million kWh.

The construction period will be 3 years.

**TOTAL PROJECT COST: \$ 23 MILLION**



**120 POTENTIAL SMALL HPPs**



**INVESTMENT PROJECTS  
IN THE SPHERE OF  
RENEWABLE ENERGY SOURCES**

## PERSPECTIVE PROJECTS

## «TOPURAK-BEL – 1»

## Short information.

The location that is offered for the Project (approximately 2 km to south-east from Balykchy city) is examined as a suitable place for the project.

It is planned to build a wind power plant with a capacity of up to 100 MW with the placement of groups (clusters) of wind turbines in Balykchi for 60 MW (at least 30 wind turbines with a unit rated power of 2 MW each) and on a land plot near the Ak-Olon village (100 hectares) a 40 MW Topurak-Bel wind farm

Initiator: Kyrgyz Wind System LLC

**TOTAL PROJECT COST: \$ 60 MILLION**



## PERSPECTIVE PROJECTS

## CONSTRUCTION OF HIGH-RISE GRID SOLAR POWER PLANTS

### SHORT INFORMATION

#### Project aim.

Construction of high-rise grid solar power plants in the Kyrgyz Republic for the sale of electricity to the centralized grid without intermediate accumulation Initiator: Bishkek Solar LLC

#### Key facts

Power from 1 hectare = 2,5 MW. Investments per hectare = \$ 1,5 million (1 MW = \$ 595,000). Annual electricity generation from 1 hectare = 180,000 MWh based on 300 working days. Payback per year from 1 hectare = + \$ 2,8 million. The number of solar modules per hectare = 7,142 pcs. Service life: more than 25 years

**PROJECT COST: \$ 300 MILLION**



NATIONAL INVESTMENTS  
AGENCY UNDER THE  
PRESIDENT OF THE  
KYRGYZ REPUBLIC



Kyrgyz Republic  
Bishkek 720002  
Razzakova st. 8/1  
Tel: +996 (312) 62 38 44  
Fax: +996 (312) 62 38 43

Mail: [mail@invest.gov.kg](mailto:mail@invest.gov.kg)  
[www.invest.gov.kg](http://www.invest.gov.kg)