

PROJECT INVESTMENT DATA

Suusamyр-Kokomerен HPP Cascade	3 HPPs
Installed capacity	1,305 MW
Average annual electricity production	3,317 mln. kW/h
Maximum turbine flow rate at design head	120 m3/s
Total estimated construction cost	US\$ 3.3 bln.
Construction period	8 years



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MINISTRY OF ENERGY
OF THE KYRGYZ REPUBLIC

SUUSAMYR-KOKOMEREN HPP CASCADE CONSTRUCTION PROJECT





Description of
**Suusamyр-Kokomerен
HPP Cascade**
Construction Project:



The project's facilities are located in Jaiyl District of Chui Region, as well as in Toktogul District of the Jalal-Abad Region, on Kokomerен River (which is a tributary of Naryn River).

The project involves construction of 3 HPPs. In 2012, Chinese corporation "Sinohydro Ltd" updated the project's feasibility study.



- The design pressure of the cascade is 508 m, which is 3.6 times more as compared to the design pressure at Toktogul HPP and enables a higher power yield with relatively low water consumption
- The Karakol HPP employs "development behind the dam" construction technique. Dam specifications: type is asphalt concrete diaphragm dam, with a maximum height of 99 meters

- Kokomerен-1 HPP has a node-type intake portal. The junction works consist of a large dam, a flood relief structure, energy removal structure, a water-diverting structure, etc.
- Kokomerен-2 HPP uses feeder canal. The junction works consist of a large dam, a flood relief structure, energy removal structure, a water-diverting structure, etc.

Kyrgyz Republic's total hydropower potential More than 142.5 bln. kW/h

3rd place among the CIS counties (after Russia and Tajikistan) in terms of hydropower potential
Currently, the country uses 13% of its hydropower potential