

INVESTMENT INDICATORS FOR SMALL HPPS

#	Indicator	Unit	Tar-Kapchygai HPP	Tar-Verkhnyi HPP	Kara-Kuldja HPP
1	Installed capacity	MW	30	17	14
2	Annual power generation	mln. kW/h	121	67	65
3	Reservoir storage capacity	mln. m ³	26	3.9	Diversion type
4	Dam height	M	40	27	Diversion type



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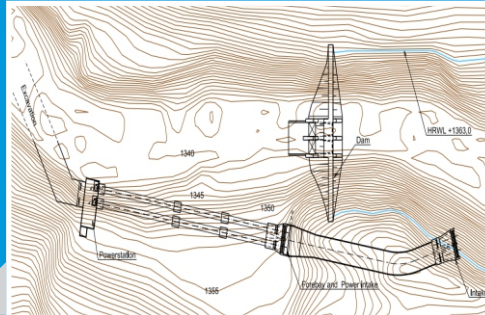
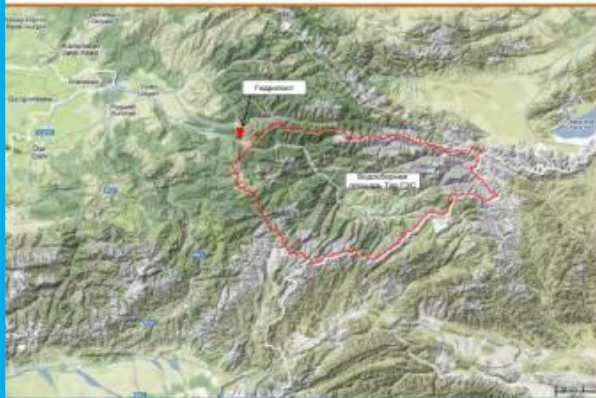


In Kyrgyzstan, 70% of total hydropower resources are small rivers, where the construction of large, high-capacity HPPs is not practical. The solution to expand the use of small rivers is to build small HPPs, which are specifically designed for the features of low flow rivers. The technically feasible hydropower potential of small rivers is 5-8 billion kWh per year.



MINISTRY OF ENERGY
OF THE KYRGYZ REPUBLIC

**PROMISING SITES
FOR SMALL
HYDROPOWER
PLANTS**



SUSTAINABLE COMPETITIVE ADVANTAGES

- **Efficient site location.** The location of small HPPs is selected based on the most effective head and convenience of performing construction works.
- **The electricity generated** by the small HPPs can be sold to local infrastructure, coal deposits, industries and various workshops operating in the respective region.
- **Increased rates for renewable power purchase.** Pursuant to the Law of the Kyrgyz Republic “On Renewable Energy Sources”, energy tariffs are set at the level of the maximum tariff established throughout the country with the application of mark-up coefficients.



For small HPPs the mark-up coefficient equals 1.3. Currently, the tariff for Small HPPs is 4.42 KGS or 5.0 US cents per one kW/h. This tariff is effective for 15 years.

- **In addition,** the Law of the Kyrgyz Republic “On Renewable Energy Sources” provides for “... tax and customs benefits..., which are stipulated in the tax and customs legislation for RES electric and heat energy”.

**Kyrgyz Republic's
total hydropower
potential**

**More than
142.5 bln.
kW/h**

**3rd place among the CIS countries
(after Russia and Tajikistan)
in terms of hydropower potential**

*Currently, the country uses 13%
of its hydropower potential*