

Hydro energy use of river Ajaristskali and its changeability scale

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Georgia is one of the distinguished country in the term of hydroresources. Avarage 26 thousand rivers flow in its territory, from this up to 300 rivers have a relatively high energy potential, and there is a real possibility that the use of this resource will result in rapid growth of the country's energy sector, which will develop the country's economy. For this, it is required to increase the number of constructions of various power capacity plants. Particular attention is paid to those rivers flowing in most mountainous regions and are characterized by the great energy of runoff water. With the construction of HPPs on such rivers, it is possible to generate more energy by flooding less territory. One of the abovementioned rivers type is river Ajaristskali, on which in this regard is carried out large project. This project envisages construction of HPPs and cascades in the river valley. At such a time it is important to consider the impact of the river water regime as a construction and exploitation stage, in this regard we have discussed the initial and construction subsequent elements of river Ajaristskali, which allow us to evaluate the construction of hydropower plants on quantitative characteristics of river runoff.