



The Importance of Building the Automatic Surface Discharge in Hydroelectric Station of Banja

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Abstract: The use of water in Albania has initially begun for the purpose of irrigation and later for electricity production. There were built quite enough dams, reaching about 100 m of different heights. Dams with padding have had priority among the types of built dams. This is due to geological conditions and construction materials. Building of dams, type of filling and volume of large lakes, necessarily requires a greater security of constructed works. In all constructed dams there are built discharge works, too. These works on major dams that are used for electricity are mainly gate -type discharge. This contribution that is being presented aims exactly importance of applying a new type of automatic surface discharge in large dams with filling which has not been implemented so far in Albania. The study presented will apply to the Banja hydroelectric dam, projected over the river Devolli, but that can also be used in other operations which will be studied in the future. This discharge, regardless the global experience of recent years, provides a great warranty for full maximum confrontation while using Banja hydroelectric station.

Keywords: *Construction of dams, Dikes saturation, Devolli, Surface discharge*

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