

THE GEOLOGICAL - ENGINEERING CONDITIONS OF KOMANI POWER STATION SITE ON THE DRINI RIVER AT PUKA REGION, ALBANIA

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The Komani Power station site on the Drini river is situated on 74.0 meter above sea level between two other great power station on the same river, Vau i Dejes on the 22.0m and Fierza river on 165.0 meter above sea level. In the paper, according to Geological mapping, boring, underground water tests experimental in situ tests and laboratory analysis, are given geological conditions of intensively folded structure of dam site included in the Cukali tectonic zone, very near to overthrusting border of ophiolitic Mirdita zone. The dam is situated on the chert and limestone folded strata of cretaceous - Jurassic age. We have described and evaluated some complications that are observed during our exploration. Connected with karstic phenomena, slope stability, geomorphology of the river bed and other ones. In the proper way is given evidence to geological - engineering classification on river Valley zone according to the dam site choice, powerhouse site, using tunnels etc. This experience is well evaluated by all experts for further similar civil engineering works.