

PROJECT

Hydro energy System Kosinj/Senj II is a multipurpose project, it is a continuation and a second phase development of existing hydro power plant system on rivers Lika and Gacka. It encompasses the construction of Kosinj reservoir and Kosinj hydro power plant, reconstruction of Sklope hydro power plant and construction of new Senj II hydro power plant. New capacity will be introduced at Senj II and Kosinj power plant, while Sklope power plant will be modified with reduced capacity due to increased tailwater lever.

Next to more efficient usage of overspills in the water system, project ensures water hazard protection for the region and also advanced water supply system for north Adriatic coastal area.

COMPLETED ACTIVITIES:

- ✓ Conceptual designs
- ✓ Main design for part of the project (tunnel, canal, compensation basin)
- ✓ Exploration works

CURRENT ACTIVITIES:

- ✓ ESIA-Environmental Impact Assessment Study – in progress



HPP Senj - underground facility

TRANSACTION

HEP Plc. is looking for potential financial/strategic investors and partners to enter the project.

INVESTMENT OPPORTUNITY

As a multipurpose project, hydro energy System Kosinj/Senj II offers multiple benefits for both investors and local community and economy.

The Kosinj reservoir is envisaged to storage significant water potential (98% energy utilization of all water in Lika and Gacka rivers). Apart for additional generation of electricity, this storage enables the system to be used during the peak load hours and to provide ancillary services for the power system.

Estimated investment is estimated to the value of 500 mil. EUR, while the construction is estimated to last for 5 years.

Project entails at yearly average 360 GWh of new (peak load) energy and switch of 685 GWh of existing base load energy into peak periods.



HPP Senj

DESCRIPTION

- This project encompasses several existing, reconstructed and new objects on wide region from existing Sklope hydro power plant all the way to the sea side to the Senj hydro power plant.
- Kosinj reservoir will have volume of around 500 m³, and Kosinj hydro power plant with installed capacity of 52MW and annual generation of 48GWh.
- Several tunnels (new Lika-Gacka tunnel and new headrace tunnel) and canals (Bakovac-Lika) are to be constructed for better usage of waters of Lika and Gacka.
- Existing compensation basin Gusić polje will be enlarged with new Gusić polje 2 basin to ensure around 2.1 mil m³ of volume.
- From compensation basin Gusić polje, water is derived to water chambers and to existing and new Senj II hydro power plants.
- New Senj II hydro power plant will have installed capacity of around 340MW and with existing units the system will have total of 600MW which could be part time used for covering the peak load.



HPP Sklope

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