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Karakuz Dam and Hydroelectric Power Plant Project Nearing Completion

The Karakuz Dam and HEPP Project is located on the K rk n River within the boundaries of the Pozantı and Karaisalı counties of Adana province. The plant's annual energy production with an installed capacity of 76 MW will be 276 GWh.

Two separate sites have been set up in Karaisalı and Pozantı for the execution of the project. The power plant, pressure pipeline and tunnel boring activities will be conducted out of Karaisalı, the dam and energy tunnel activities out of Pozantı.

The 8,6 km long section of the 11 km long energy tunnel of the Karakuz Dam and HEPP Project has been completed. The tunnel construction work is being carried out by two state of the art TBMs (Tunnel Boring Machine), one with single and the other with double shield, specially produced for this project and boring is being conducted at both ends simultaneously. After the two TBMs meet in the tunnel, they will be disassembled and taken out.

Construction of the dam body with a crest length of 200 m on the dam side and a height of 45 m from the foundation, access roads of a total length of 6,2 km on both sides of the lake, the 327 m long derivation tunnel structure with an interior diameter of 6 meters together with the intake and outlet structures and the energy tunnel entrance structure have been completed on time.

Construction and mechanical works of the 1.580 m long pressure pipeline with an interior diameter of 2 m, the power plant construction works and the construction of the 56 m deep balance tank with an interior diameter of 12 m and the 32 km long energy transmission line and switchyard area works have been completed on time. Assembly work of the 2 pelton turbines with vertical axis that will produce energy with water coming from a drop of 530 m is continuing.

At this point, only the completion of the power plant's mechanical works and works regarding the energy tunnel are being awaited at the Karakuz Dam and HEPP Project. Other project works have been completed and completion is nearing. As soon as these works are completed water retention will begin. Commissioning of the plant will contribute to the country's economy.