



WATER TRANSMISSION LINE IN BETWEEN SAMSUN ÇAKMAK DAM-TREATMENT PLANT - ATAKUM AND ATAKUM WATER TANK CONSTRUCTION



Central Blacksea Region
Samsun





Employer : GENERAL DIRECTORATE OF STATE HYDRAULIC WORKS (DSİ)
Contract date : 18.04.1984
Work completion date : 09.02.1999
Project cost : 15 774 576 000,00 TL (1983 unit prices)
[85 356 045,32 US \$]

The project is aimed to supply potable water and service water to the city of Samsun up to 2030 year. The most important part of Samsun city Water Supply Project is the construction of transmission line in between Çakmak Dam – Atakum and Atakum Water Tank construction and it consists 4 main sub-groups.

1. *Pre-stressed Concrete Pipe Factory*: Patented by the French BONNA company, S/L type steel embedded prestressed concrete pipes were produced.
2. *Water Intake Structure and Water Tunnel* : 400 000 m³/day = 4.63 m³/sec capacity water intake structure and 2 884 m long, 2.80 m diameter concrete lined transmission tunnel were constructed.
3. *Atakum Main Water Tank and Tank* : 15 000 m³ capacity Atakum D.12 and SSK D.5 SSK Water embedded water tanks were constructed in the city.
4. *Raw Water and Treated Water Transmission Line* : In different diameters total 55 779 m pipe laying and assembly works were completed.

