

WATER

IMPLEMENTATION DESIGN OF WATER TREATMENT PLANT OF BOSTANLI DAM AND TRANSMISSION LINES



Place

İzmir

Client

İzmir Water and
Wastewater Administration

Date

11/2016 – 06/2018

Financing

İzmir Water and
Wastewater Administration

Construction Cost

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Project Description:

Bostanlı Dam is planned to be constructed for flood protection and water stored in the dam will be supplied to city after treated. In the scope of this contract, a conventional water treatment plant with 150 l/s capacity, app. 1.5 km long transmission main between dam and WTP and app. 6 km long transmission line between WTP and Cumhuriyet water reservoir are designed. The plant consists of cascade aeration tank, ozone contact tank, ozone generation building, mechanical rapid and slow mixing tanks, lamella type clarifiers, rapid sand filters, chlorine contact tanks, treated water storage tanks, backwash water storage tank, gravity type sludge thickeners, sludge building, chlorination building, chemical building and other auxiliary structures and buildings.

Scope of services:

- Implementation design
- Preparation of tender documents