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Termomeccanica Ecologia

Potabilisation plant
Kura (Azerbaijan)

The turnkey contract has been entrusted to TME by Apsheron Regional Joint Stock Water Company, that is the company in charge of the management of the water cycles in the region of the Capitol Baku. The work that the contract takes into account concerns the realisation of the potabilisation plants of the sites of Jeiranbatan and Kura for the treatment of surface water for potable use.



Water treatment

Potabilisation, Desalination and Remineralisation



• **Name of the plant:**

Potabilisation plant for surface water at Kura (Azerbaijan)

• **Place of installation:**

Kura (Baku, Azerbaijan)

• **Client:**

Apsheron Regional Joint Stock Water Company

• **Plant description:**

The plant is principally constituted of the following sections:

- pre-chlorination through chlorine gas
- coagulant aid dosage
- pre-sedimentation (nr. 6 circular sedimentation basins)
- intermediate relaunch
- flocculation through dosage of coagulants and coagulant aids
- clarification (nr. 18+24 horizontal clarification basins)
- filtration (nr. 18+36 gravity sand filters)
- post-chlorination through chlorine gas
- pumping to the distribution network

• **Specific data:**

Total flow: 9.5 m³/sec

SS load of the project: 15,000 mg/l (SiO₂)

Turbidity upon exit: 1 NTU

• **Scope of the contract:**

- basic and detailed design
- rehabilitation and implementation of civil works
- procurement and supply of all the electromechanical and instrumental equipment
- erection on site
- commissioning, start-up and six months of operation



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