

# Drin River Cascade Rehabilitation Project

Client: Albanian Power Corporation

To carry out a necessary refurbishment of four of the main HPPs, the Albanian Power Corporation, has received joint funding from the European Bank for Reconstruction and Development (EBRD), the Japan Bank for International Co-operation (JBIC), the Swiss Government (State Secretary for Economic Affairs - SECO), the Austrian Government (Federal Chancellery of the Republic of Austria - FCRA) and the Medio Credito Centrale (Italy) with the amount of app. 40 Mio Euro.



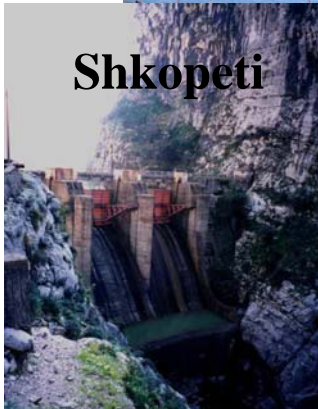
## Vau I Dejes

- Lowest in cascade at the River Drin.
- Pts in operation 1973 Three dams
- Capacity 319 million m<sup>3</sup>
- 5 Francis units, 52 MW each



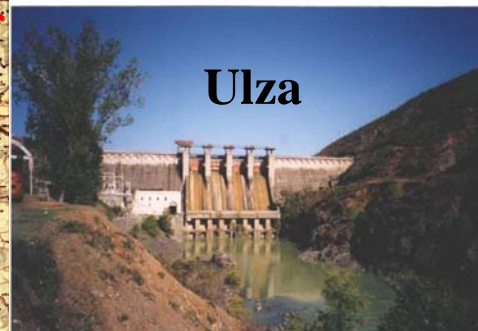
## Fierza

- First cascade at the River Drin
- Put in operation 1979
- 152 m high, 380 m long rock-fill dam capacity 2.7 billion m<sup>3</sup>
- 4 Francis units, 125 MW each



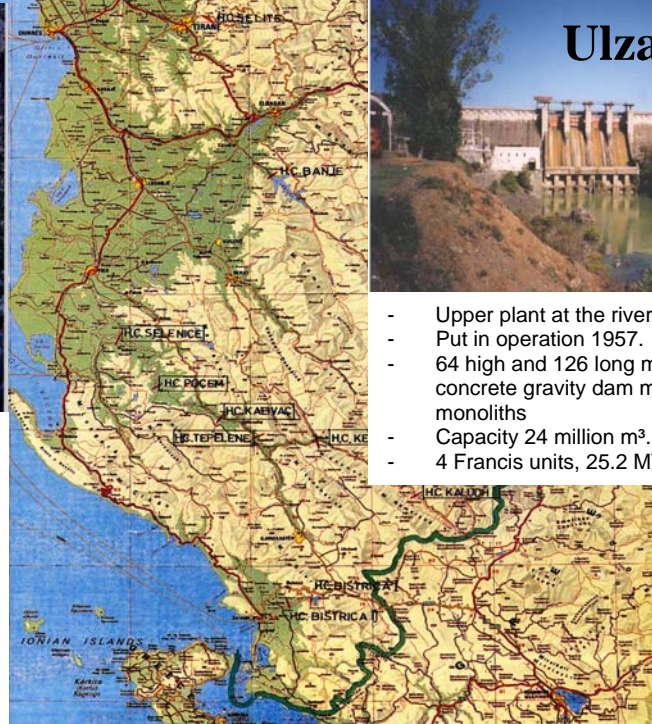
## Shkopeti

- Lower plant at the river
- Put in operation 1963.
- 53 m high and 90 m long mass concrete gravity dam
- 2 Kaplan units, 24 MW each, located in the power house, 250 m downstream of the dam



## Ulza

- Upper plant at the river Mat
- Put in operation 1957.
- 64 high and 126 long mass concrete gravity dam made up of 16 monoliths
- Capacity 24 million m<sup>3</sup>.
- 4 Francis units, 25.2 MW each



**Scope of Work**

- Mechanical equipment: turbine runners (new and repaired), governors, shaft seals etc.
- Electrical equipment: transformers (new and refurbished), excitations system, switchyard facilities etc.
- Control and monitoring equipment
- Dam safety and civil works

**Consultant Services to be provided:**

- Design Review and Project Management
- Preparation of Design and Bidding Documents
- Bid Evaluation, Clarification and Contract Negotiation
- Site Supervision of Construction and Commissioning
- Technical Services, Training and Know-how transfer
- Preparation of meetings with Donors/Lenders, Contractors

The implementation has started in September 2002. Site supervision is currently under progress.