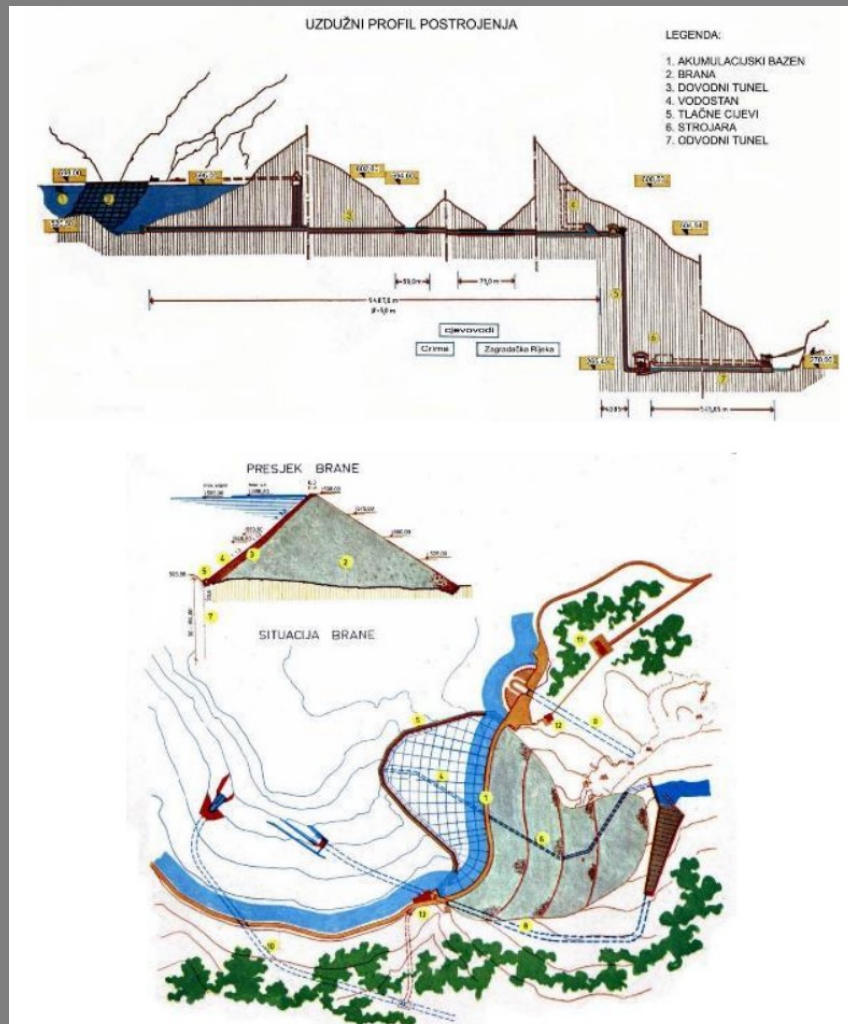


HYDROELECTRIC POWER PLANTS

Theoretical background, visiting two Hydropower plants in Neretva river hydrosystem



Theoretical lectures during the study trip:

Criteria for building different types of large dams

Artificial lakes

Different type of hydroelectric power plant dispositions, regarding head, discharge, morphology, topopogy

Different structures included in hydropower plants

Criteria for choosing turbomachines

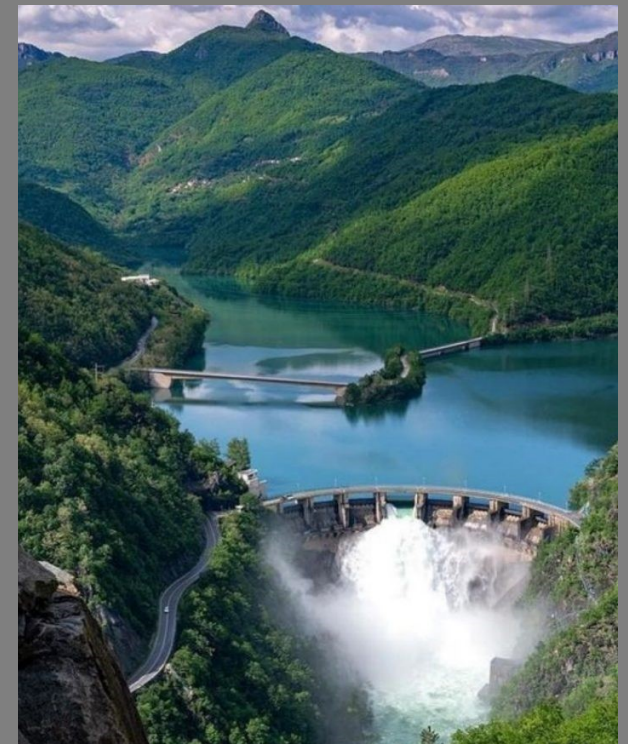
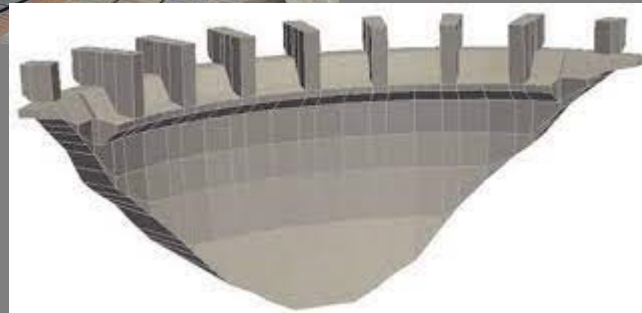
Site visits and different stories from real operating and maintaining of HPP

1st visit site: Hydropower plant Jablanica/Dam Jablanica



Map of the River Neretva catchment [(1) Rama Reservoir, (2) Jablanica Reservoir, (3) Grabovica Reservoir, (4) Salakovac Reservoir, (5) Mostar Reservoir, (6) Hutovo Blato wetland and (7) Neretva Estuary]

**Main characteristics of
HPP Jablanica:**
Dam height 85m
Lake volume 320hm³
Installed power 180MW
Net head 110m



2nd visit site: Hydropower plant Rama/Dam Rama

One of the most beautiful artificial lakes in Europe, Rama lake



Main characteristics of HPP Rama

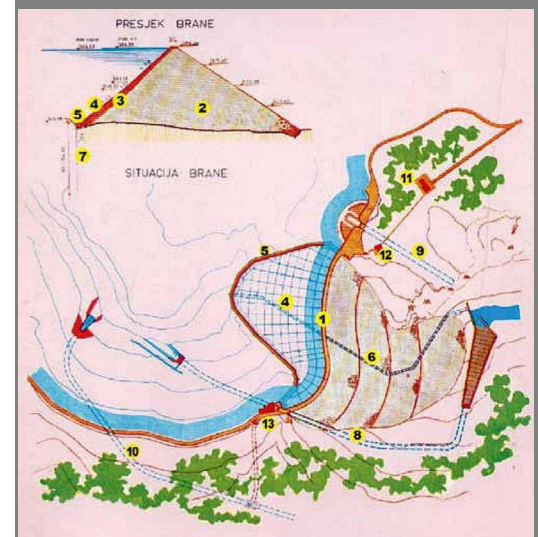
Dam height 110m of earth dam

Lake volume 487 hm³

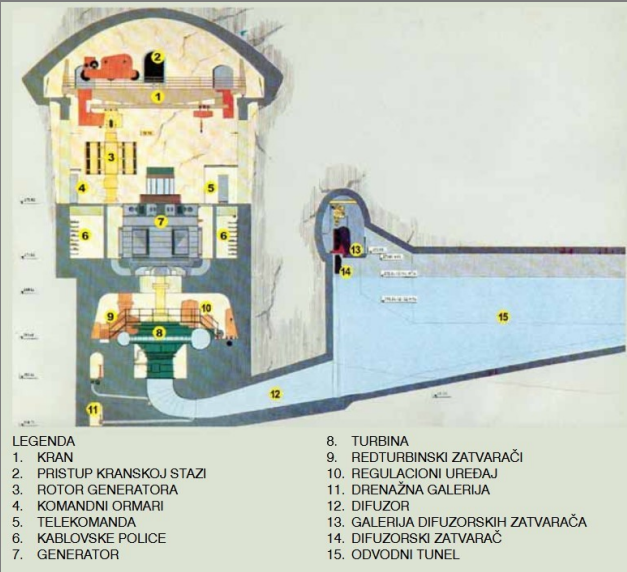
Installed power 2x80MW

Net head 312m

Instaled discharge 2x32m³/s



During the building of structures (dam Rama)- archive



Reconstructed machines



Transformators



Discharging the lake



Overflowing structures



3rd and 4th visit (touristic-lunch): Old bridge in Konjic and broken Bridge,
on Neretva river (II world war)

