

Dam: Köprü

Country Turkey

River Göksu

37°37'17"N 35°36'43"E

37.621399 35.612255

Owner/Client Enerjisa En. Ut. A.S.

Designer/Engineer Unknown

Contractor Ozaltin Ins. Tic. ve San A.S.

Purpose (code) H

Site start 01.07.2009

RCC start 01.12.2010

RCC completion 30.04.2012

Site completion 31.12.2013

Height (m) 109

Length (m) 413

Volume of RCC ($m^3 \times 10^3$) 975

Total volume ($m^3 \times 10^3$) 1050

Reservoir capacity ($m^3 \times 10^6$) 98

Upstream slope V
0.60

Forming of upstream face (code) (1)
(1)

Downstream slope 0.80

Forming of downstream face (code) (1)

Spillway slope 0.80

Forming of spillway face (code) (12)

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content (kg/m^3) 85

Pozzolan content (kg/m^3) 45

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0539

Completed Dam



RCCDAM0539CD

Google Earth



RCCDAM0539GE

Guide to Abbreviations

Purpose

- E Environmental
- F Flood control
- G Groundwater recharge
- H Flood control
- I Irrigation
- N Navigation
- P Pollution control
- R Recreation
- W Water supply

Facing method

- (1) Traditional concrete against formwork
- (2) Traditional concrete against formwork with external geomembrane
- (3) RCC against formwork
- (4) RCC against formwork with external geomembrane
- (5) Traditional concrete against precast concrete panels
- (6) Traditional concrete against precast concrete panels with geomembrane
- (7) RCC against precast concrete panels
- (8) RCC against precast concrete panels with geomembrane
- (9) RCC against precast concrete panels with hot poured membrane
- (10) RCC against precast concrete blocks
- (11) Reinforced conventional concrete cast before RCC placement
- (12) Reinforced conventional concrete cast after RCC placement
- (13) Reinforced concrete cast against precast units or slip-formed facing elements
- (14) Slip-formed/extruded facing elements
- (15) RCC supported by fill shoulders
- (16) Mechanically compacted unformed face of RCC
- (17) Unformed face of RCC
 - ' GEVR/GE-RCC
 - * Stepped face

Pozzolans

- (-) No Pozzolan Used
- (C) High-lime flyash (ASTM Class C)
- (F) Low-lime flyash (ASTM Class F)
- (M) Milled sand
- (N) Natural pozzolan (ASTM Class N)
- (R) ROLAC (mixture of flyash and slag with or without limestone fines)
- (S) Ground-granulated blast-furnace slag
- (L) Mixture of GGBFS and limestone fines