

Dam: Çine (Adnan Mendres)

Country Turkey

River Çine

37°29'41.85"N 28°07'44.01"E

37.494957 28.128893

Owner/Client DSI - State Hydraulic Works

Designer/Engineer Geoconsult, Gibb & Su Yapi

Contractor Özkar Construction and Trade

Purpose (code) F H I W

Site start 01.12.1995

RCC start 01.11.2004

RCC completion 30.04.2010

Site completion 01.10.2011

Height (m) 137

Length (m) 300

Volume of RCC ($m^3 \times 10^3$) 1560

Total volume ($m^3 \times 10^3$) 1650

Reservoir capacity ($m^3 \times 10^6$) 350

Upstream slope 0.10

0.20

Forming of upstream face (code) (7')

Downstream slope 0.85

Forming of downstream face (code) (7')

Spillway slope 0.85

Forming of spillway face (code) (7')

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content (kg/m^3) 85

75

Pozzolan content (kg/m^3) 105

95

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0460

Under Construction



RCCDAM0460UC

Completed Dam



RCCDAM0460CD

Google Earth



RCCDAM0460GE

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