

Dam: Ergenli

Country Turkey

River Ilica

DMS Co-ordinates Unknown

DD Co-ordinates Unknown

Owner/Client DSI - State Hydraulic Works

Designer/Engineer Unknown

Contractor Akeli Construction Company

Purpose (code) I

Site start 01.01.2014

RCC start 01.01.2018

RCC completion 31.12.2022

Site completion 31.12.2024

Height (m) 102

Length (m) 540

Volume of RCC ($m^3 \times 10^3$) 1249

Total volume ($m^3 \times 10^3$) 1340

Reservoir capacity ($m^3 \times 10^6$) 39

Upstream slope 0.20

Forming of upstream face (code) (3)

Downstream slope 0.70

Forming of downstream face (code) (3)

Spillway slope 0.70

Forming of spillway face (code) (12)

Depth of layers (mm) 300

Depth of lifts (mm)

Cement content (kg/m^3)

Pozzolan content (kg/m^3)

Code for pozzolan

RCCDAM Unique Serial No. RCCDAM0754

Under Construction



RCCDAM0754UC

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