

Dam: Gündüzler

Country Turkey

River Degirmen

39°53'19"N 30°47'5"E

39.888844 30.785307

Owner/Client DSI - State Hydraulic Works

Designer/Engineer Unknown

Contractor Detas Konut İmar İns.Taah.Mad.San.Ve Tic.A.Ş.-Serfen İin.Vi Tic.A.Ş. İs Ortakligi

Purpose (code) I

Site start 01.01.2016

RCC start 01.01.2019

RCC completion 31.12.2023

Site completion 31.12.2024

Height (m) 65

Length (m) 384

Volume of RCC ( $m^3 \times 10^3$ ) 280

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

Reservoir capacity ( $m^3 \times 10^6$ ) 8

Upstream slope V

Forming of upstream face (code) (1)

Downstream slope 0.75

Forming of downstream face (code) (1)

Spillway slope Unknown

Forming of spillway face (code) Unknown

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content ( $kg/m^3$ ) 113

Pozzolan content ( $kg/m^3$ ) 37

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM1141

## Google Earth



RCCDAM1141GE

# 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