

Dam: Manavgat Çardak

Country Turkey

River Sağırın Çayı

36°59'55"N 31°17'25"E

36.998611 31.290277

Owner/Client DSI - State Hydraulic Works

Designer/Engineer Unknown

Contractor Fatih Yurдеми Enerji İnfaat Taahhut Petrol Ürünleri ve İş Makinaları İthalat İhracat Sanayi ve Ticaret Anonim Şti.

Purpose (code) H I

Site start 01.01.2017

RCC start 01.01.2022

RCC completion 31.12.2023

Site completion 31.12.2024

Height (m) 44

Length (m) 185

Volume of RCC (m<sup>3</sup>x10<sup>3</sup>) 540

Total volume (m<sup>3</sup>x10<sup>3</sup>) Unknown

Reservoir capacity (m<sup>3</sup>x10<sup>6</sup>) 8

Upstream slope Unknown

Forming of upstream face (code) Unknown

Downstream slope Unknown

Forming of downstream face (code) Unknown

Spillway slope Unknown

Forming of spillway face (code) Unknown

Depth of layers (mm) Unknown

Depth of lifts (mm) Unknown

Cement content (kg/m<sup>3</sup>) Unknown

Pozzolan content (kg/m<sup>3</sup>) Unknown

Code for pozzolan Unknown

RCCDAM Unique Serial No. RCCDAM1145

# 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