

Dam: Göktas 1

Country Turkey

River Zamanti

DMS Co-ordinates Unknown

DD Co-ordinates Unknown

Owner/Client Bereket Energy

Designer/Engineer Unknown

Contractor Unknown

Purpose (code) H

Site start 01.04.2011

RCC start 01.03.2013

RCC completion 31.03.2015

Site completion 31.12.2016

Height (m) 133

Length (m) 200

Volume of RCC ( $m^3 \times 10^3$ ) 749

Total volume ( $m^3 \times 10^3$ ) 900

Reservoir capacity ( $m^3 \times 10^6$ ) 109

Upstream slope 0.30

1.00

Forming of upstream face (code) (3)

(3)

Downstream slope 0.60

1.00

Forming of downstream face (code) (3)

(3)

Spillway slope 0.75

Forming of spillway face (code) (12)

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content ( $kg/m^3$ ) 50

Pozzolan content ( $kg/m^3$ ) 50

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0631

# 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