

Dam: Saf-Saf

Country Algeria

River Saf-Saf

34°56'8.07"N 08°13'36.94"E

34.935574 8.226928

Owner/Client ANBT (Agence Nationale des Barrages et Transfert)

Designer/Engineer ISL

Contractor Cosider TP

Purpose (code) F I W

Site start 01.03.2006

RCC start 01.01.2008

RCC completion 30.10.2009

Site completion 31.03.2011

Height (m) 36

Length (m) 270

Volume of RCC (m<sup>3</sup>x10<sup>3</sup>) 120

Total volume (m<sup>3</sup>x10<sup>3</sup>) 175

Reservoir capacity (m<sup>3</sup>x10<sup>6</sup>) 18

Upstream slope 0.70

Forming of upstream face (code) (12)

Downstream slope 0.70

Forming of downstream face (code) (7)

Spillway slope 0.70

Forming of spillway face (code) (12)

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content (kg/m<sup>3</sup>) 120

Pozzolan content (kg/m<sup>3</sup>) 0

Code for pozzolan (-)

RCCDAM Unique Serial No. RCCDAM0458

# 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