

Dam: Tanger-Med (formerly R'Mel)

Country Morocco

River R'Mel

35°52'32.55"N 5°29'4.7"W

35.87571 -5.484639

Owner/Client Direction des Aménagements Hydrauliques

Designer/Engineer NOVEC (Ingema)

Contractor SGTM

Purpose (code) F W

Site start 15.05.2005

RCC start 01.06.2006

RCC completion 30.06.2007

Site completion 15.10.2007

Height (m) 80

Length (m) 250

Volume of RCC (m³x10³) 230

Total volume (m³x10³) 243

Reservoir capacity (m³x10⁶) 25

Upstream slope V

Forming of upstream face (code) (11)

Downstream slope 0.75

Forming of downstream face (code) (1) *

Spillway slope 0.75

Forming of spillway face (code) (1)

Depth of layers (mm) 300

Depth of lifts (mm) 3000

Cement content (kg/m³) 100
90

Pozzolan content (kg/m³) 0 0

Code for pozzolan (-)

RCCDAM Unique Serial No. RCCDAM0384

Under Construction



RCCDAM0384UC

Completed Dam



RCCDAM0384CD

Google Earth



RCCDAM0384GE

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