

Dam: Las Tunas Country Argentina

River Las Tunas 28°14'14.65"S 65°22'34.18"W -28.237402 -65.37616

Owner/Client Provincia de Catamarca

Designer/Engineer RED Ingeniería SRL

Contractor Horacio Catalán SRL

Purpose (code) F I W

Site start 01.02.2009

RCC start 12.09.2010

RCC completion 20.02.2011

Site completion 15.12.2011

Height (m) 33

Length (m) 259

Volume of RCC (m³x10³) 30

Total volume (m³x10³) 56

Reservoir capacity (m³x10⁶) 101

Upstream slope V

Forming of upstream face (code) (1)

Downstream slope Unknown

Forming of downstream face (code) Unknown

Spillway slope Unknown

Forming of spillway face (code) Unknown

Depth of layers (mm) 200

Depth of lifts (mm) 400

Cement content (kg/m³) 85

Pozzolan content (kg/m³) 25

Code for pozzolan (N)

RCCDAM Unique Serial No. RCCDAM1187

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