

Dam: Artur Tavares de Melo (formerly Guararema)

Country Brazil

River Itambé

7°29'22.44"S 35°09'56.63"W

-7.489567 -35.16573

Owner/Client Usina Central Olho D'Água S/A

Designer/Engineer Unknown

Contractor Unknown

Purpose (code) I W

Site start 01.01.2003

RCC start 01.01.2004

RCC completion 31.12.2005

Site completion 31.12.2006

Height (m) 30

Length (m) 306

Volume of RCC ($\text{m}^3 \times 10^3$) 50

Total volume ($\text{m}^3 \times 10^3$) Unknown

Reservoir capacity ($\text{m}^3 \times 10^6$) 21

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) 300

Depth of lifts (mm) 300

Cement content (kg/m^3) 80

Pozzolan content (kg/m^3) 0

Code for pozzolan (-)

RCCDAM Unique Serial No. RCCDAM0350

Completed Dam



RCCDAM0350CD

Google Earth



RCCDAM0350GE

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