

Dam: Gameleiras

Country Brazil

River Gameleiras

15°3'53.58"S 43°6'5.22"W

-15.064884 -43.101448

Owner/Client CODEVASF

Designer/Engineer Holanda Engenharia Ltda.

Contractor Goes Cohabita Construções S.A.

Purpose (code) F I R W

Site start 01.07.1990

RCC start 01.12.1990

RCC completion 30.04.1991

Site completion 31.05.1991

Height (m) 29

Length (m) 150

Volume of RCC ($\text{m}^3 \times 10^3$) 27Total volume ($\text{m}^3 \times 10^3$) 29Reservoir capacity ($\text{m}^3 \times 10^6$) 145

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) (1) *

Depth of layers (mm) 400

Depth of lifts (mm) 400

Cement content (kg/m^3) 52Pozzolan content (kg/m^3) 13

Code for pozzolan (-)

RCCDAM Unique Serial No. RCCDAM0079

Completed Dam



RCCDAM0079CD

Google Earth



RCCDAM0079GE

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