

Dam: Ponto Novo

Country Brazil

River Itapicuru-açu

10°51'12.72"S 40°10'16.40"W

-10.853533 -40.171223

Owner/Client CERB (Companhia de Engenharia Rural da Bahia)

Designer/Engineer Higesa-Consultoria e Projetos

Contractor Odebrecht

Purpose (code) I W

Site start 01.05.1998

RCC start 01.07.1998

RCC completion 30.12.1999

Site completion 29.02.2000

Height (m) 26

Length (m) 266

Volume of RCC ($m^3 \times 10^3$) 90

Total volume ($m^3 \times 10^3$) 105

Reservoir capacity ($m^3 \times 10^6$) 39

Upstream slope *Unknown*

Forming of upstream face (code) (1)

Downstream slope *Unknown*

Forming of downstream face (code) (3) *

Spillway slope *Unknown*

Forming of spillway face (code) (1)

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content (kg/m^3) 72

Pozzolan content (kg/m^3) 18

Code for pozzolan (N)

RCCDAM Unique Serial No. RCCDAM0225

Under Construction



RCCDAM0225UC

Completed Dam



RCCDAM0225CD

Google Earth



RCCDAM0225GE

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