

Dam: **Bandeira de Melo**

Country **Brazil**

River **Paraguaçu**

13°1'45.5"S 40°48'56.0"W

-13.029306 -40.815556

Owner/Client **CERB (Companhia de Engenharia Ambiental e Recursos Hidricos da Bahia)**

Designer/Engineer *Unknown*

Contractor *Unknown*

Purpose (code) **I W**

Site start **01.01.2002**

RCC start **01.09.2003**

RCC completion **31.12.2004**

Site completion **31.12.2005**

Height (m) **19**

Length (m) **320**

Volume of RCC ($m^3 \times 10^3$) **75**

Total volume ($m^3 \times 10^3$) **85**

Reservoir capacity ($m^3 \times 10^6$) **112**

Upstream slope *Unknown*

Forming of upstream face (code) **(1)**

Downstream slope *Unknown*

Forming of downstream face (code) **(1) ***

Spillway slope *Unknown*

Forming of spillway face (code) **(1) ***

Depth of layers (mm) **300**

Depth of lifts (mm) **300**

Cement content (kg/m^3) **56**

Pozzolan content (kg/m^3) **14**

Code for pozzolan **(N)**

RCCDAM Unique Serial No. **RCCDAM0329**

Under Construction



RCCDAM0329UC

Completed Dam



RCCDAM0329CD

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