Dam:	Quatorze (XIV) de Julho	Country	Brazil
River	das Antas	29°3'54.67"S 51°40'27.9"W	-29.065186 -51.674419
Owner/Client	CERAN (Companhia Energética Rio das Antas)		
Designer/Engineer	Engevix Engenharia, CCC Engenharia and SBB Engenharia		
Contractor	Camargo Correa		

Purpose (code)	H
Site start	01.01.2005
RCC start	01.01.2006
RCC completion	31.12.2007
Site completion	01.10.2008
Height (m)	37
Length (m)	281
Volume of RCC (m^3x10^3)	75
Total volume (m^3x10^3)	212
Reservoir capacity (m^3x10^6)	55
Upstream slope	V
Forming of upstream face (code)	(1)
Downstream slope	0.77
Forming of downstream face (code)	(1)
Spillway slope	0.77
Forming of spillway face (code)	(1)
Depth of layers (mm)	*Unknown*
Depth of lifts (mm)	*Unknown*
Cement content (kg/m^3)	75
Pozzolan content (kg/m^3)	15
Code for pozzolan	(N)
RCCDAM Unique Serial No.	RCCDAM0401

Under Construction



RCCDAM0401UC

Completed Dam



RCCDAM0401CD

Google Earth



RCCDAM0401GE

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