

Dam: Ludesa

Country Brazil

River Chapecó

26°34'41.15"S 52°29'46.76"W

-26.578096 -52.496323

Owner/Client CPFL Renovaveis

Designer/Engineer Consórcio São Domingos

Contractor Unknown

Purpose (code) H

Site start 01.01.2006

RCC start 01.01.2006

RCC completion 31.12.2007

Site completion 23.04.2007

Height (m) 25

Length (m) 300

Volume of RCC (m<sup>3</sup>x10<sup>3</sup>) Unknown

Total volume (m<sup>3</sup>x10<sup>3</sup>) Unknown

Reservoir capacity (m<sup>3</sup>x10<sup>6</sup>) 142

Upstream slope 1.50

Forming of upstream face (code) Unknown

Downstream slope 1.50

Forming of downstream face (code) Unknown

Spillway slope 0.75

Forming of spillway face (code) Unknown

Depth of layers (mm) Unknown

Depth of lifts (mm) Unknown

Cement content (kg/m<sup>3</sup>) Unknown

Pozzolan content (kg/m<sup>3</sup>) Unknown

Code for pozzolan Unknown

RCCDAM Unique Serial No. RCCDAM1030

## Completed Dam



RCCDAM1030CD

# 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