

Dam: Zhouba

Country China

River Mabianhe

29°5'25.39"N 103°42'46.59"E

29.090385 103.712944

Owner/Client Chengdu Haineng Power Co. Ltd.

Designer/Engineer Institute of Investigation, Design and Research for Hydropower Projects, Chendu

Contractor 15th Construction Bureau

Purpose (code) F H

Site start 01.01.2004

RCC start 01.01.2005

RCC completion 31.12.2006

Site completion 31.12.2007

Height (m) 73

Length (m) 163

Volume of RCC (m<sup>3</sup>x10<sup>3</sup>) 229

Total volume (m<sup>3</sup>x10<sup>3</sup>) 405

Reservoir capacity (m<sup>3</sup>x10<sup>6</sup>) 204

Upstream slope V

Forming of upstream face (code) (1)

Downstream slope 0.70

Forming of downstream face (code) (1)

Spillway slope 0.78

Forming of spillway face (code) (1)

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content (kg/m<sup>3</sup>) 110  
66

Pozzolan content (kg/m<sup>3</sup>) 73  
66

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0376

## Completed Dam



RCCDAM0376CD

## Google Earth



RCCDAM0376GE

# 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