

Dam: Zhaolaihe

Country: China

River: Duhu

DMS Co-ordinates: Unknown

DD Co-ordinates: Unknown

Owner/Client: Changyang Electric Power Bureau

Designer/Engineer: Hubei Institute of Investigation and Design of Water Resources and Hydropower

Contractor: 11th Construction Bureau

Purpose (code): H I W

Site start: 28.12.2003

RCC start: 15.03.2004

RCC completion: 15.05.2005

Site completion: 10.10.2005

Height (m): 107

Length (m): 206

Volume of RCC (m<sup>3</sup>x10<sup>3</sup>): 166

Total volume (m<sup>3</sup>x10<sup>3</sup>): 255

Reservoir capacity (m<sup>3</sup>x10<sup>6</sup>): 70

Upstream slope: curve

Forming of upstream face (code): (3')

Downstream slope: curve

Forming of downstream face (code): (3')

Spillway slope: Unknown

Forming of spillway face (code): (3')

Depth of layers (mm): 300

Depth of lifts (mm): 3000

Cement content (kg/m<sup>3</sup>): 84  
126

Pozzolan content (kg/m<sup>3</sup>): 126  
103

Code for pozzolan: (F)

RCCDAM Unique Serial No.: RCCDAM0336

### Completed Dam



RCCDAM0336CD

# 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