

Dam: Yongxi N<sup>o</sup>3

Country: China

River: Dazhangxi

DMS Co-ordinates: Unknown

DD Co-ordinates: Unknown

Owner/Client: Yongxi Hydroelectric Co. Ltd.

Designer/Engineer: East China Investigation & Design Institute of Water Resources and Hydropower, Hangzhou

Contractor: 14th and 16th Construction Bureaux

Purpose (code): F H W

Site start: 24.05.1996

RCC start: 01.10.1997

RCC completion: 30.10.1998

Site completion: 30.09.1999

Height (m): 87

Length (m): 198

Volume of RCC (m<sup>3</sup>x10<sup>3</sup>): 170

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

Reservoir capacity (m<sup>3</sup>x10<sup>6</sup>): 68

Upstream slope: V

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

Downstream slope: 0.73

Forming of downstream face (code): (10)

Spillway slope: ogee  
0.73

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

Depth of layers (mm): 280

Depth of lifts (mm): 3000

Cement content (kg/m<sup>3</sup>): 115  
80

Pozzolan content (kg/m<sup>3</sup>): 95  
90

Code for pozzolan: (F)

RCCDAM Unique Serial No.: RCCDAM0202

## Completed Dam



RCCDAM0202CD

# 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