

Dam: Wan'an

Country China

River Gan

26°26'40.35"N 114°47'38.56"E

26.444542 114.794044

Owner/Client China Guodian Corporation

Designer/Engineer Yangtze Valley Planning Office

Contractor Hydropower Command (China An'neng Construction Corporation)

Purpose (code) F H I N

Site start 01.11.1984

RCC start 19.12.1990

RCC completion 30.12.1992

Site completion 30.06.1994

Height (m) 68

Length (m) 1104

Volume of RCC (m³x10³) 156

Total volume (m³x10³) 1480

Reservoir capacity (m³x10⁶) 2216

Upstream slope V

Forming of upstream face (code) (1)

Downstream slope 0.80

Forming of downstream face (code) (1)

Spillway slope ogee

Forming of spillway face (code) (1)

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content (kg/m³) 65

Pozzolan content (kg/m³) 105

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0109

Under Construction



RCCDAM0109UC

Completed Dam



RCCDAM0109CD

Google Earth



RCCDAM0109GE

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