

Dam: Taishir

Country Mongolia

River Zabkhan

46°41'39.14"N 96°39'56.75"E

46.694206 96.665764

Owner/Client Ministry of Energy

Designer/Engineer AMEC-SMEC Joint Venture

Contractor SinoHydro Co. Ltd. (**th Construction Bureau)

Purpose (code) H I W

Site start 01.02.2005

RCC start 15.05.2006

RCC completion 15.07.2007

Site completion 30.12.2007

Height (m) 60

Length (m) 200

Volume of RCC (m³x10³) 210

Total volume (m³x10³) 250

Reservoir capacity (m³x10⁶) 930

Upstream slope V

Forming of upstream face (code) (2)

Downstream slope 0.72

Forming of downstream face (code) (1) *

Spillway slope 0.72

Forming of spillway face (code) (12) *

Depth of layers (mm) 333

Depth of lifts (mm) 333

Cement content (kg/m³) 75

Pozzolan content (kg/m³) 0

Code for pozzolan (-)

RCCDAM Unique Serial No. RCCDAM0385

Completed Dam



RCCDAM0385CD

Google Earth



RCCDAM0385GE

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