

Dam: Song Tranh 2

Country Vietnam

River Song Tranh

15°19'52.57"N 108°8'52.56"E

15.3312 108.147705

Owner/Client EVN (Electricite de Vietnam)

Designer/Engineer PECC1 (Power Engineering Consulting Company N°1)

Contractor GCC4

Purpose (code) H

Site start 05.03.2005

RCC start 18.04.2008

RCC completion 30.08.2011

Site completion 30.12.2012

Height (m) 96

Length (m) 640

Volume of RCC ($m^3 \times 10^3$) 1032

Total volume ($m^3 \times 10^3$) 1315

Reservoir capacity ($m^3 \times 10^6$) 733

Upstream slope V

Forming of upstream face (code) (3')

Downstream slope 0.80

Forming of downstream face (code) (1)

Spillway slope 0.75

Forming of spillway face (code) (1)

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content (kg/m^3) 70

Pozzolan content (kg/m^3) 110

Code for pozzolan (N)

RCCDAM Unique Serial No. RCCDAM0503

Under Construction



RCCDAM0503UC

Completed Dam



RCCDAM0503CD

Google Earth



RCCDAM0503GE

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