

Dam: Se San 4

Country Vietnam

River Poko

13°58'5.39"N 107°29'43.06"E

13.968164 107.495293

Owner/Client EVN (Electricite de Vietnam)

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

Contractor Song Da Corporation (SDC)

Purpose (code) H

Site start 26.12.2004

RCC start 22.03.2005

RCC completion 31.12.2008

Site completion 31.12.2009

Height (m) 74

Length (m) 834

Volume of RCC ($m^3 \times 10^3$) 753

Total volume ($m^3 \times 10^3$) 1300

Reservoir capacity ($m^3 \times 10^6$) 893

Upstream slope V

Forming of upstream face (code) (1)

Downstream slope 0.80

Forming of downstream face (code) (1)

Spillway slope 0.80

Forming of spillway face (code) (1)

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content (kg/m^3) 80

Pozzolan content (kg/m^3) 160

Code for pozzolan (N)

RCCDAM Unique Serial No. RCCDAM0423

Completed Dam



RCCDAM0423CD

Google Earth



RCCDAM0423GE

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