

Dam: Dong Nai 4

Country Vietnam

River Dong Nai

11°53'6.74"N 107°43'42.96"E

11.885206 107.728600

Owner/Client EVN (Electricite de Vietnam)

Designer/Engineer PECC2 (Power Engineering Consulting Company N°2)

Contractor GCC4

Purpose (code) H

Site start 26.12.2004

RCC start 02.03.2009

RCC completion 15.06.2011

Site completion 31.12.2012

Height (m) 128

Length (m) 481

Volume of RCC (m³x10³) 1305

Total volume (m³x10³) 1370

Reservoir capacity (m³x10⁶) 337

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/m³) 85

Pozzolan content (kg/m³) 115

Code for pozzolan (N)

RCCDAM Unique Serial No. RCCDAM0500

Under Construction



RCCDAM0500UC

Completed Dam



RCCDAM0500CD

Google Earth



RCCDAM0500GE

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