

Dam: Binh Dien

Country Vietnam

River Huu Trach

16°19'1.77"N 107°30'10.24"E

16.317158 107.502846

Owner/Client Binh Dien Electricity Joint Stock Company

Designer/Engineer Unknown

Contractor Construction Joint Stock Company 47

Purpose (code) H

Site start 01.01.2005

RCC start 01.01.2007

RCC completion 31.12.2008

Site completion 30.04.2009

Height (m) 54

Length (m) 571

Volume of RCC ($\text{m}^3 \times 10^3$) 189

Total volume ($\text{m}^3 \times 10^3$) 423

Reservoir capacity ($\text{m}^3 \times 10^6$) 424

Upstream slope Unknown

Forming of upstream face (code) Unknown

Downstream slope Unknown

Forming of downstream face (code) Unknown

Spillway slope Unknown

Forming of spillway face (code) Unknown

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content (kg/m^3) 70

Pozzolan content (kg/m^3) 105

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0429

Under Construction



RCCDAM0429UC

Completed Dam



RCCDAM0429CD

Google Earth



RCCDAM0429GE

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