

Dam: Saddle Dam D (Xe-Pian Xe-Namnoy)

Country Laos

River Xepian

15°0'58.36"N 106°33'57.06"E

15.016211 106.565849

Owner/Client Xe-Pian Xe Namnoy Power Company

Designer/Engineer Mott Macdonald

Contractor SK Engineering and Construction (SK E&C)

Purpose (code) H

Site start 01.10.2018

RCC start 29.04.2019

RCC completion 26.10.2019

Site completion 31.12.2019

Height (m) 56

Length (m) 430

Volume of RCC (m<sup>3</sup>x10<sup>3</sup>) 170

Total volume (m<sup>3</sup>x10<sup>3</sup>) 200

Reservoir capacity (m<sup>3</sup>x10<sup>6</sup>) 1043

Upstream slope V

Forming of upstream face (code) Unknown

Downstream slope Unknown

Forming of downstream face (code) Unknown

Spillway slope none

Forming of spillway face (code) Unknown

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content (kg/m<sup>3</sup>) Unknown

Pozzolan content (kg/m<sup>3</sup>) Unknown

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0874

# 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