

Dam: Arenal I-II Country Honduras

River Yaguala 15°18'15.75"N 86°46'43.27"W 15.304375 -86.778687

Owner/Client Energias Limpias del Yaguala SA de CV

Designer/Engineer Lombardi Engineering Ltd

Contractor SinoHydro Co. Ltd. (11th Construction Bureau)

Purpose (code) H

Site start 11.01.2018

RCC start 04.04.2019

RCC completion 25.11.2020

Site completion 11.01.2021

Height (m) 93

Length (m) 273

Volume of RCC (m³x10³) 249

Total volume (m³x10³) 305

Reservoir capacity (m³x10⁶) 72

Upstream slope 0.04

Forming of upstream face (code) (3')

Downstream slope 0.40
0.67

Forming of downstream face (code) (3')
(3')

Spillway slope 0.40

Forming of spillway face (code) (13)

Depth of layers (mm) Unknown

Depth of lifts (mm) Unknown

Cement content (kg/m³) Unknown

Pozzolan content (kg/m³) Unknown

Code for pozzolan Unknown

RCCDAM Unique Serial No. RCCDAM0972

Google Earth



RCCDAM0972GE

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