

Dam: Lom Pangar

Country Cameroon

River Lom

5°22'56.6"N 13°30'10.34"E

5.382389 13.502871

Owner/Client EDC (Electricity Development Corporation)

Designer/Engineer Tractebel/ISL

Contractor CWC (China International Water and Electric Corporation)

Purpose (code) F H

Site start 01.01.2019

RCC start 01.02.2021

RCC completion 31.03.2023

Site completion 19.09.2024

Height (m) 46

Length (m) 185

Volume of RCC ($\text{m}^3 \times 10^3$) 175

Total volume ($\text{m}^3 \times 10^3$) 290

Reservoir capacity ($\text{m}^3 \times 10^6$) 6000

Upstream slope V

Forming of upstream face (code) (1)

Downstream slope 0.85

Forming of downstream face (code) (1)

Spillway slope 0.85

Forming of spillway face (code) (12)

Depth of layers (mm) 300

Depth of lifts (mm) 300

Cement content (kg/m^3) 100

Pozzolan content (kg/m^3) 100

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0004

Completed Dam



RCCDAM0004CD

Google Earth



RCCDAM0004GE

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