Dam:	Nam Ngum 4	Country	Laos
River	Nam Ngum	19°27'14.08"N 103°0'36.77"E	19.453911 103.010216
Owner/Client	EDL (Electricite du Laos)		
Designer/Engineer	Artelia		
Contractor	PowerChina (China National Heavy Machinery Co.)		

Purpose (code)	H
Site start	01.02.2018
RCC start	01.03.2019
RCC completion	01.01.2023
Site completion	31.12.2024
Height (m)	74
Length (m)	252
Volume of RCC (m^3x10^3)	230
Total volume (m^3x10^3)	*Unknown*
Reservoir capacity (m^3x10^6)	110
Upstream slope	*Unknown*
Forming of upstream face (code)	*Unknown*
Downstream slope	*Unknown*
Forming of downstream face (code)	(3') *
Spillway slope	*Unknown*
Forming of spillway face (code)	*Unknown*
Depth of layers (mm)	*Unknown*
Depth of lifts (mm)	*Unknown*
Cement content (kg/m^3)	82
Pozzolan content (kg/m^3)	100
Code for pozzolan	*Unknown*
RCCDAM Unique Serial No.	RCCDAM1179

Completed Dam



RCCDAM1179CD

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