Dam:	Nakai, part of Nam Theun 2 HPP	Country	Laos
River	Nam Theun	17°59'50.25"N 104°57'8.82"E	17.997292 104.952454
Owner/Client	Nam Theun Power Corporation (NTPC)/EdF (Electricitie de France)		
Designer/Engineer	EDF		
Contractor	Italian Thai-Nishimatsu Construction Co. JV		

Purpose (code)	H
Site start	15.04.2004
RCC start	01.03.2006
RCC completion	31.10.2007
Site completion	31.10.2009
Height (m)	39
Length (m)	436
Volume of RCC (m^3x10^3)	150
Total volume (m^3x10^3)	207
Reservoir capacity (m^3x10^6)	3530
Upstream slope	V
Forming of upstream face (code)	(1)
Downstream slope	0.35 0.75
Forming of downstream face (code)	(10)
Spillway slope	0.75
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.	RCCDAM0380

Completed Dam



RCCDAM0380CD

Google Earth



RCCDAM0380GE

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