Dam:	Nam Gnouang (Theun Hinboun Expansion)	Country	Laos
River	Nam Gnouang	18°17'46.68"N 104°38'11.48"E	18.296299 104.63652
Owner/Client	Theun Hinboun Power Company		
Designer/Engineer	Sweco		
Contractor	CMC di Ravenna (RCC subcontracted to Vichitbhan Construction Co. Ltd., of Thailand)		

Purpose (code)	H
Site start	01.10.2008
RCC start	11.03.2010
RCC completion	01.12.2011
Site completion	31.12.2012
Height (m)	65
Length (m)	480
Volume of RCC (m^3x10^3)	383
Total volume (m^3x10^3)	*Unknown*
Reservoir capacity (m^3x10^6)	2450
Upstream slope	V
Forming of upstream face (code)	(1)
Downstream slope	0.80
Forming of downstream face (code)	(1) *
Spillway slope	1.00
Forming of spillway face (code)	(12)
Depth of layers (mm)	300
Depth of lifts (mm)	300
Cement content (kg/m^3)	90
Pozzolan content (kg/m^3)	100
Code for pozzolan	(F)
RCCDAM Unique Serial No.	RCCDAM0507

Under Construction



RCCDAM0507UC

Completed Dam



RCCDAM0507CD

Google Earth



RCCDAM0507GE

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