Dam:	Patuca 3	Country	Honduras
River	Patuca	14°26'39.71"N 85°57'57.24"W	14.444364 -85.965897
Owner/Client	ENEE (Empresa Nacional de Energia Eléctrica)		
Designer/Engineer	Power China		
Contractor	SinoHydro Co. Ltd. (11th Construction Bureau)		

Purpose (code)	H
Site start	01.01.2012
RCC start	01.03.2016
RCC completion	28.02.2017
Site completion	20.12.2020
Height (m)	54
Length (m)	160
Volume of RCC (m^3x10^3)	120
Total volume (m^3x10^3)	160
Reservoir capacity (m^3x10^6)	208
Upstream slope	0.20
Forming of upstream face (code)	(1)
Downstream slope	0.75
Forming of downstream face (code)	(1) *
Spillway slope	0.75
Forming of spillway face (code)	(12)
Depth of layers (mm)	300
Depth of lifts (mm)	3000
Cement content (kg/m^3)	107
Pozzolan content (kg/m^3)	57
Code for pozzolan	(N)
RCCDAM Unique Serial No.	RCCDAM0677

Under Construction



RCCDAM0677UC

Completed Dam



RCCDAM0677CD

Google Earth



RCCDAM0677GE

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