Dam:	Tianhuaban	Country	China
River	Niulan	27°1'41.12"N 103°17'26.67"E	27.02809 103.290741
Owner/Client	Yunnan Dianneng Niulanjiang Hydropower Development Co. Ltd.		
Designer/Engineer	Beijing Hydropower Investigation, Design and Research Institute, CHECC		
Contractor	SinoHydro Construction Bureau №14 Co. Ltd.		

Purpose (code)	H
Site start	01.12.2006
RCC start	01.01.2007
RCC completion	31.12.2009
Site completion	31.12.2010
Height (m)	113
Length (m)	160
Volume of RCC (m^3x10^3)	182
Total volume (m^3x10^3)	360
Reservoir capacity (m^3x10^6)	66
Upstream slope	curve
Forming of upstream face (code)	(3')
Downstream slope	curve
Forming of downstream face (code)	(3')
Spillway slope	ogee
Forming of spillway face (code)	(3)
Depth of layers (mm)	*Unknown*
Depth of lifts (mm)	*Unknown*
Cement content (kg/m^3)	*Unknown*
Pozzolan content (kg/m^3)	*Unknown*
Code for pozzolan	*Unknown*
RCCDAM Unique Serial No.	RCCDAM0449

Under Construction



RCCDAM0449UC

Completed Dam



RCCDAM0449CD

Google Earth



RCCDAM0449GE

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