Dam:	Longtan (Stage 1)	Country	China
River	Hongshui	25°01'41.99"N 107°02'36.40"E	25.028332 107.043442
Owner/Client	Longtan Hydropower Development Co. Ltd.		
Designer/Engineer	Mid-South Design Institute for Hydroelectric Projects, MOE & MWR		
Contractor	JV of 7th, 8th and Gezhouba Construction Bureaux (Right Bank) and Jiangnan Co. Ltd. (Left Bank)		

Purpose (code)	F H N W
Site start	01.07.2001
RCC start	08.10.2004
RCC completion	20.06.2007
Site completion	30.12.2009
Height (m)	192
Length (m)	832
Volume of RCC (m^3x10^3)	4623
Total volume (m^3x10^3)	7400
Reservoir capacity (m^3x10^6)	16210
Upstream slope	V 0.25
Forming of upstream face (code)	(3')
Downstream slope	0.70
Forming of downstream face (code)	(3')
Spillway slope	0.68
Forming of spillway face (code)	(12)
Depth of layers (mm)	300
Depth of lifts (mm)	300
Cement content (kg/m^3)	99 86
Pozzolan content (kg/m^3)	121 109
Code for pozzolan	(F)
RCCDAM Unique Serial No.	RCCDAM0411

Under Construction

RCCDAM0411UC

Completed Dam

RCCDAM0411CD

Google Earth

RCCDAM0411GE

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