Dam:	Shimantan	Country	China
River	Gunhe	33°16'56.23"N 113°33'17.09"E	33.282288 113.554749
Owner/Client	Department of Water Resources, Henan Province		
Designer/Engineer	Tiangjin Investigation & Design Institute		
Contractor	11th Construction Bureau and Department of Electricity in Wuyang		

Purpose (code)	F I W
Site start	31.07.1993
RCC start	01.04.1994
RCC completion	30.12.1995
Site completion	15.07.1996
Height (m)	41
Length (m)	650
Volume of RCC (m^3x10^3)	272
Total volume (m^3x10^3)	351
Reservoir capacity (m^3x10^6)	120
Upstream slope	V
Forming of upstream face (code)	(3')
Downstream slope	0.75
Forming of downstream face (code)	(3) *
Spillway slope	0.75
Forming of spillway face (code)	(1)
Depth of layers (mm)	300
Depth of lifts (mm)	300
Cement content (kg/m^3)	98 51
Pozzolan content (kg/m^3)	98 107
Code for pozzolan	(F)
RCCDAM Unique Serial No.	RCCDAM0163

Google Earth



RCCDAM0163GE

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