Dam:	Kafue Gorge Lower (KGL)	Country	Zambia
River	Kafue	15°52'8.6"S 28°31'32.05"E	-15.869056 28.52557
Owner/Client	Kafue Gorge Lower Power Development Co. Ltd.		
Designer/Engineer	Power China/SinoHydro		
Contractor	Power China/SinoHydro Co. Ltd. (11th Construction Bureau)		

Purpose (code)	H
Site start	15.01.2016
RCC start	06.06.2018
RCC completion	16.04.2020
Site completion	31.12.2022
Height (m)	131
Length (m)	375
Volume of RCC (m^3x10^3)	1290
Total volume (m^3x10^3)	1390
Reservoir capacity (m^3x10^6)	83
Upstream slope	0.20
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)	(12)
Depth of layers (mm)	300
Depth of lifts (mm)	300
Cement content (kg/m^3)	60
Pozzolan content (kg/m^3)	112
Code for pozzolan	(F)
RCCDAM Unique Serial No.	RCCDAM0969

Completed Dam



RCCDAM0969CD

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