Dam:	Bui	Country	Ghana
River	Bui	8°16'43.13"N 2°14'13.49"W	8.278647 -2.237081
Owner/Client	BPA (Bui Power Authority)		
Designer/Engineer	Tractebel (Coyne et Bellier)		
Contractor	SinoHydro Co. Ltd. (8th Construction Bureau)		

Purpose (code)	H I
Site start	24.08.2007
RCC start	01.02.2009
RCC completion	31.05.2012
Site completion	27.11.2014
Height (m)	108
Length (m)	493
Volume of RCC (m^3x10^3)	830
Total volume (m^3x10^3)	900
Reservoir capacity (m^3x10^6)	12570
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)	(12)
Depth of layers (mm)	300
Depth of lifts (mm)	3000
Cement content (kg/m^3)	45 61
Pozzolan content (kg/m^3)	85 91
Code for pozzolan	(F)
RCCDAM Unique Serial No.	RCCDAM0553

Under Construction

RCCDAM0553UC

Completed Dam

RCCDAM0553CD

Google Earth

RCCDAM0553GE

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