Dam:	Metolong	Country	Lesotho
River	South Phuthiatsana	29°20'8.40"S 27°46'38.25"E	-29.335667 27.777292
Owner/Client	Government of the Kingdom of Lesotho/Metolong Authority		
Designer/Engineer	JV Arcus Gibb and Consolidated Consultants for Engineering and Environment		
Contractor	SinoHydro Co. Ltd. (8th Construction Bureau)		

Purpose (code)	W
Site start	01.09.2011
RCC start	05.08.2013
RCC completion	05.02.2015
Site completion	31.08.2016
Height (m)	83
Length (m)	278
Volume of RCC (m^3x10^3)	280
Total volume (m^3x10^3)	314
Reservoir capacity (m^3x10^6)	64
Upstream slope	*Unknown*
Forming of upstream face (code)	(3')
Downstream slope	*Unknown*
Forming of downstream face (code)	(3') *
Spillway slope	*Unknown*
Forming of spillway face (code)	(3')
Depth of layers (mm)	300
Depth of lifts (mm)	3000
Cement content (kg/m^3)	90
Pozzolan content (kg/m^3)	110
Code for pozzolan	(F)
RCCDAM Unique Serial No.	RCCDAM0606

Under Construction



RCCDAM0606UC

Completed Dam



RCCDAM0606CD

Google Earth



RCCDAM0606GE

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