Dam:	Mwache	Country	Kenya
River	Mwache	3°59'27.6"S 39°31'14.5"E	-3.991 39.520695
Owner/Client	Ministry of Water and Sanitation		
Designer/Engineer	Nippon Koei in association with Mangat I.B. Patel		
Contractor	SinoHydro (Construction Bureau №15)		

Purpose (code)	I W
Site start	01.04.2022
RCC start	21.03.2025
RCC completion	28.05.2026
Site completion	31.12.2026
Height (m)	84
Length (m)	526
Volume of RCC (m^3x10^3)	610
Total volume (m^3x10^3)	620
Reservoir capacity (m^3x10^6)	136
Upstream slope	*Unknown*
Forming of upstream face (code)	*Unknown*
Downstream slope	*Unknown*
Forming of downstream face (code)	(3') *
Spillway slope	*Unknown*
Forming of spillway face (code)	*Unknown*
Depth of layers (mm)	300
Depth of lifts (mm)	300
Cement content (kg/m^3)	70
Pozzolan content (kg/m^3)	150
Code for pozzolan	*Unknown*
RCCDAM Unique Serial No.	RCCDAM0896

Under Construction

RCCDAM0896UC

Google Earth

RCCDAM0896GE

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