Dam:	Wadi Dayqah	Country	Oman
River	Wadi Dayqah	23°04'55.96"N 58°50'54.03"E	23.082211 58.848343
Owner/Client	Ministry of Regional Municipalities and Water Resources		
Designer/Engineer	Wadi Dayqah Dam JV (Black & Vetch, Su Yapi and Nespak)		
Contractor	CJV (Vinci & CCC Oman)		

Purpose (code)	W
Site start	01.08.2006
RCC start	24.01.2008
RCC completion	11.04.2009
Site completion	30.11.2009
Height (m)	75
Length (m)	410
Volume of RCC (m^3x10^3)	590
Total volume (m^3x10^3)	650
Reservoir capacity (m^3x10^6)	100
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)	(3') *
Depth of layers (mm)	300
Depth of lifts (mm)	1200
Cement content (kg/m^3)	126 112
Pozzolan content (kg/m^3)	54 48
Code for pozzolan	(M)
RCCDAM Unique Serial No.	RCCDAM0439

Under Construction



RCCDAM0439UC

Completed Dam



RCCDAM0439CD

Google Earth



RCCDAM0439GE

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