Dam:	Middle Vaitarna	Country	India
River	Vaitarna	19°42'17.65"N 73°26'2.71"E	19.704903 73.43409
Owner/Client	Municipal Corporation of Greater Mumbai		
Designer/Engineer	Central Design Organisation, Water Resources Department, Government of Maharashtra		
Contractor	CWE-Soma Consortium		

Purpose (code)	W
Site start	27.10.2008
RCC start	05.05.2010
RCC completion	15.04.2012
Site completion	31.12.2012
Height (m)	102
Length (m)	565
Volume of RCC (m^3x10^3)	1202
Total volume (m^3x10^3)	1500
Reservoir capacity (m^3x10^6)	202
Upstream slope	0.15
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)	75
Pozzolan content (kg/m^3)	145
Code for pozzolan	(F)
RCCDAM Unique Serial No.	RCCDAM0538

Under Construction



RCCDAM0538UC

Completed Dam



RCCDAM0538CD

Google Earth



RCCDAM0538GE

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