Dam:	Porce II	Country	Colombia
River	Porce	6°48'21.25"N 75°08'53.13"W	6.805903 -75.148094
Owner/Client	EPM (Empresas Públicas de Medellín)		
Designer/Engineer	INTEGRAL S.A.		
Contractor	Dragados y Construcciones S.A. (following Astaldi S.p.A., CMC, Federici, Recchi, Topco J.V.)		

Purpose (code)	H
Site start	01.11.1994
RCC start	10.12.1996
RCC completion	03.09.2000
Site completion	30.03.2001
Height (m)	123
Length (m)	425
Volume of RCC (m^3x10^3)	1305
Total volume (m^3x10^3)	1445
Reservoir capacity (m^3x10^6)	211
Upstream slope	0.10
Forming of upstream face (code)	(14)
Downstream slope	0.35 0.75
Forming of downstream face (code)	(14) *
Spillway slope	0.75
Forming of spillway face (code)	(13)
Depth of layers (mm)	300
Depth of lifts (mm)	300
Cement content (kg/m^3)	132 120
Pozzolan content (kg/m^3)	88 80
Code for pozzolan	(N)
RCCDAM Unique Serial No.	RCCDAM0239

Under Construction



RCCDAM0239UC

Completed Dam



RCCDAM0239CD

Google Earth



RCCDAM0239GE

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