

Dam: Miyagase

Country Japan

River Nakatsu

35°32'31.89"N 139°14'56.42"E

35.542191 139.249008

Owner/Client Ministry of Construction

Designer/Engineer Ministry of Construction

Contractor Kajima Co Ltd, Ohbayashi Co Ltd and Toda Construction Co Ltd J.V.

Purpose (code) F H W

Site start 01.11.1987

RCC start 01.11.1991

RCC completion 28.02.1995

Site completion 31.03.2001

Height (m) 156

Length (m) 400

Volume of RCC ($m^3 \times 10^3$) 1537

Total volume ($m^3 \times 10^3$) 2060

Reservoir capacity ($m^3 \times 10^6$) 193

Upstream slope 0.20

0.60

Forming of upstream face (code) (1)

(1)

Downstream slope 0.625

Forming of downstream face (code) (1)

Spillway slope 0.625

Forming of spillway face (code) (1)

Depth of layers (mm) 150 - 200

Depth of lifts (mm) 750

Cement content (kg/m^3) 91

Pozzolan content (kg/m^3) 39

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0151

Under Construction



RCCDAM0151UC

Completed Dam



RCCDAM0151CD

Google Earth



RCCDAM0151GE

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