

Dam: Kutani

Country Japan

River Daishoji

36°12'22.42"N 136°22'42.5"E

36.206226 136.378479

Owner/Client Isikawa Prefecture

Designer/Engineer Isikawa-ken

Contractor Kumagai-Gumi Co., Ltd., Hazama-Gumi Co., Ltd., Maeda Construction Kogyo Co., Ltd. and Magara Construction Co., Ltd. J.V.

Purpose (code) F W

Site start 14.12.1996

RCC start 20.04.2000

RCC completion 08.07.2002

Site completion 10.03.2006

Height (m) 76

Length (m) 280

Volume of RCC (m³×10³) 188

Total volume (m³×10³) 360

Reservoir capacity (m³×10⁶) 25

Upstream slope V
0.80

Forming of upstream face (code) (1)
(1)

Downstream slope 0.80

Forming of downstream face (code) (1)

Spillway slope 0.80

Forming of spillway face (code) (1)

Depth of layers (mm) 250

Depth of lifts (mm) 750

Cement content (kg/m³) 84

Pozzolan content (kg/m³) 36

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0277

Completed Dam



RCCDAM0277CD

Google Earth



RCCDAM0277GE

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