

Dam: Yoshida

Country Japan

River Yoshida

34°33'8.72"N 134°20'1.21"E

34.552422 134.333664

Owner/Client Kagawa Prefecture

Designer/Engineer Kagawa-ken

Contractor Taisei Construction Co Ltd, Maeda Construction, Kogyo Co Ltd and Sato Kogyo Co Ltd J.V.

Purpose (code) F W

Site start 01.07.1991

RCC start 01.07.1993

RCC completion 28.02.1995

Site completion 18.03.1996

Height (m) 75

Length (m) 218

Volume of RCC ($m^3 \times 10^3$) 265

Total volume ($m^3 \times 10^3$) 304

Reservoir capacity ($m^3 \times 10^6$) 2

Upstream slope V

Forming of upstream face (code) (1)

Downstream slope 0.75

Forming of downstream face (code) (1)

Spillway slope 0.75

Forming of spillway face (code) (1)

Depth of layers (mm) 250

Depth of lifts (mm) 750

Cement content (kg/m^3) 84

Pozzolan content (kg/m^3) 36

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0152

Completed Dam



RCCDAM0152CD

Google Earth



RCCDAM0152GE

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