

Dam: Kazunogawa

Country Japan

River Tuchimuro

35°43'7.71"N 138°55'48.19"E

35.718807 138.930054

Owner/Client Tokyo Electric Power Company

Designer/Engineer Tokyo Electric Power Co Inc

Contractor Hazama Co Ltd., Tobishima Construction Co Ltd., Nihon Kokudo Kaihatsu Co Ltd and Toda Construction Co Ltd. J.V.

Purpose (code) H

Site start 01.11.1992

RCC start 01.08.1995

RCC completion 31.07.1997

Site completion 30.11.1999

Height (m) 105

Length (m) 264

Volume of RCC (m³x10³) 428

Total volume (m³x10³) 622

Reservoir capacity (m³x10⁶) 12

Upstream slope V
0.10

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

Downstream slope 0.82

Forming of downstream face (code) (1)

Spillway slope 0.82

Forming of spillway face (code) (1)

Depth of layers (mm) 170

Depth of lifts (mm) 1000

Cement content (kg/m³) 91
84

Pozzolan content (kg/m³) 39
36

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0185

Completed Dam



RCCDAM0185CD

Google Earth



RCCDAM0185GE

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