

Kawamata Dam



💏 🚹 : Tall dam body

The dam height (117m) is taller relative to its length (131m) than other concrete arch dams in Japan.

: Beautiful arch shape

The dam body is narrower on the upper side (crest), forming a beautiful curve.

8 : Bedrock

Concrete arch dams are constructed on solid bedrock. Thus, there is bedrock beneath the Kawamata Dam.



💏 🕢 : Setoaikyo Canyon

Kawamata Dam is located at the scenic site Setoaikvo Canyon. Many tourists visit the site in the autumn when the leaves are changing. You can see the dam in front from the suspension bridge built downstream of the dam.

Kawamata Dam Management Branch Office

Kinugawa Integrated Dam Control Office Kanto Regional Development Bureau Ministry of Land, Infrastructure, Transport and Tourism

Address:

Kawamata 646-1 Nikko City, Tochigi 321-2717 Tel. 0288-96-0281



About Kawamata Dam

General Information

- Construction started in 1957 and ended in 1966.
- •It controls flood water, supplies water for irrigation and generates electricity.



Type: Concrete arch dam Geology: Quartz trachyte and welded tuff

Height: 117m Length: 131m

Volume of dam body:

167,500 m

Elevation of the dam top :

EL.980m

Specifications of reservoir

Catchment area: 179.4km Water surface area: 2.59km Normal water level: EL. 976m

Minimum operating level:

Total storage capacity:

87.6mil.m

EL.930m

Effective storage capacity:

73 1mil m

Flood control capacity: 24.5mil.m

Design flood discharge: 1,350 m³/s

Maximum discharge: 350 m³/s

Control volume: 1,000 m³/s

Effective water level: 46m

EL.(elevation) is based on Tokyo Peil, the Japanese measuring system of elevation. In Tokyo Peil, mean sea level in Tokyo Bay is equal to 0 (zero) m.



Let's visit other types of dams in the area





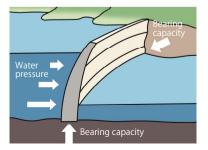


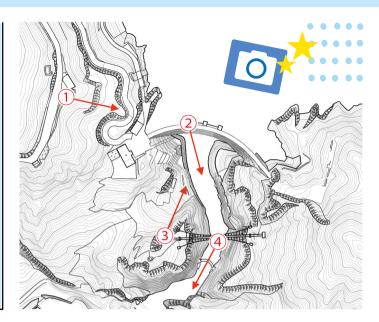




Kawamata Dam is a concrete arch dam.

- •Concrete arch dams require less construction material than concrete gravity dams.
- ●Please visit other dams in the nearby area including Kawaji Dam (concrete arch dam), Ikari Dam and Yunishigawa Dam (concrete gravity dam).







①View of the Kawamata Dam from the rest area



③"Angel's bell"and Kawamata Dam

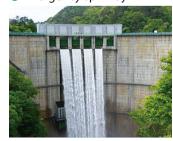


②Suspension bridge seen from the crest



4 Setoaikyo Canyon seen from the suspension bridge

Emergency spillway



6 roller gates (Discharge capacity) 1,250 m³/s

Regular spillway



2 high-pressure roller gates [Discharge capacity] 550 m³/s

Auxiliary discharge facility



1 Howell-Bunger valve (Discharge capacity) 57 m³/s

Maintenance discharge Facility



1 jet flow gate (Discharge capacity) 0.453 m³/s

