

SHIMOGO

Japan



General View of Ohuchi Dam

DESCRIPTION

The 1,000MW Shimogo pumped-storage power plant was constructed at a site where geological formation is complicated and weak. The stability of

rocks surrounding the underground powerhouse had to be analyzed by the finite element method prior to excavation. The dam foundation was reinforced by consolidation grouting performed from galleries excavated in the foundation. The inclined shaft for penstock installation was excavated by a tunnel boring machine in order to maintain the surrounding rocks as they are.



NAME OF CLIENT:

Electric Power Development Co., Ltd.(EPDC)

CAPACITY: 1,000MW

SERVICES:

Feasibility Study(July,1973-December,1974)

Detailed Design(April,1975-February,1978)

Construction Supervision(Mar,1978-April, 1988)

EPDC