The pumped storage plant Limberg II utilizes the two existing reservoirs Wasserfallboden and Mooserboden with a live storage of 81.2 and 84.9 million m³ respectively, and a mean level difference of 365 m, for pumped storage. In the power cavern two reversible power units, each consisting of a motor generator and a pump turbine with a nominal capacity totalling 480,000 kW are installed. The production from the pumped storage mode will be 1.300 million kWh per year. The connection of the two reservoirs is carried out with a 5.4 km long power conduit having diameters from 4.8 - 6.8 m for a max. flow of 144 m³/s.

Except for access buildings and storage areas for the tunnel excavation material, all plant components are under ground. The power plant is entirely automated and will be monitored and remote-controlled from the Kaprun Main Control Room.

Technical Data

- Reservoir:
- Active storage volume: Mooser- and Wasserfallboden 84.9 / 81.2 million m³
- Power tunnel: Concrete lining
- Length/internal diameter: 4.100 m / 6.2 m
- Penstock: Steel lining with concrete back fill
- Length/internal diameter: 620 m / 4.8 m
- Power station, type: Cavern, 62 x 25 x 43 m
- 2 Pump Turbines 2 x 240 MW = 480 MW
- Cavern volume: 69,000 m³
- Gross Head: 365 m
- Average annual production: 1.3 GWh
- Turbines: 2 reversible Francis turbines, vertical shaft

Services

- Conceptual design and optimization
- Approval design
- Tender documents
- Guideline design
- Execution design
- Coordination of civil construction and HEM erection
- Site supervision
- Project Management
- Scheduling

Execution

2004 - 2011