

REFERENCE LIST

Dlouhé Stráně Pumped-Storage Hydro Power Plant



Characteristics:

The Hydro Power Plant Dlouhé Stráně is located on the Divoká Desná River at the heart of Jeseníky Protected Landscape Area above the village Loučná nad Desnou in the Šumperk District.

Parameters:

The underground power plant is equipped with the largest revers water turbines in Europe with the installed capacity of 2 x 325 MW and an effective head of 510.7 m - the largest in the Czech Republic. The sets may operate in the turbine, pump or compensation mode.

The hydraulic circuit of each of the aggregates consists of an underground high-pressure penstock leading into the common intake structure located at the upper reservoir and a low-pressure underground discharge tunnel

leading into a combined outlet tower at the lower reservoir, housing also the operational instrumentation of the reservoir. The downstream reservoir on the Divoká Desná River and upstream reservoir at the top of the Dlouhé Stráně have the operating capacity of approximately 2.58 mill. m³ each.

Commissioning:

1996

Locality:

Olomouc Region
Loučná nad Desnou

State:

Czech Republic

Investor:

ČEZ, a. s.

Activities:

General Designer

Implementation cost:

6,5 bill. CZK

Supplier:

General supplier of the Civil Part:
Ingstav, a. s. Opava

General supplier of the Mechanical Part:

ČKD Blansko Engineering, a. s.

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