KAMCHATKA Investment opportunities

PROJECT:

Construction of the cascade hydropower plants «Zhupanovsky»

Construction of the cascade hydropower plants "Zhupanovsky"

- NAME: Construction of the cascade hydropower plants «Zhupanovsky»
- LOCATION: Zhupanova river, Kamchatka, Elizovsky municipality
- ❖ GOAL: Integrated development of the Kamchatka region using the renewable clean energy sources of rivers and tides and, as a consequence, a significant reduction of production costs and electricity tariffs for the consumers; framing infrastructure base for accelerated development of the region.

THE PROJECT INCLUDES CONSTRUCTION of 3 hydropower stations:

Zhupanovsky HPP-1

122 meters high, flooding area - 13.6 thousand ha, firm capacity - 170 MW, installed capacity - 270 MW, annual electric power generation - 1300 million kW/h

Zhupanovsky HPP-2

99 meters high, flooding area - 2.45 thousand ha, firm capacity - 34 MW, installed capacity - 90 MW, annual electric power generation - 474 million kW/h

Zhupanovsky HPP-3

83 m high, firm capacity - 23 MW, installed capacity - 55MW, annual electric power generation -275 million kW/h.

Infrastructure Development

The total length of 220 kV transmission lines will be 310 km

Construction of roads:

- Petropavlovsk-Kamchatsky -Zhupanovsky HPP-1 - 131 km.
- Zhupanovsky HPP-1 Zhupanovsky HPP-2 -71 km.
- Zhupanovsky HPP-2 Zhupanovsky HPP-3 -34 km.

KEY INDICATORS

- ❖ Considered drainage area 6980 sq.m.
- ❖ Power, productive capacity 415 MW

- ❖ Annual power generation 2,039 million kW · h
- ❖ 1st stage 1,290 million kW · h/year
- ❖ 2nd stage 2 474 million kW · h/year
- ❖ 3rd stage 275 million kW · h/year

❖ Annual electricity1,264.2 million kW ⋅ h

- ❖ 1st stage 774 million kW · h/year
- 2nd stage 284.4 million kW · h/year
- ❖ 3rd stage 165 million kW · h/year

ECONOMIC DATA

Capital Investments including reinvestments2 900 MM USD

❖ Total Revenue for Realization of Product

28 740 MM USD

* IRR

10,9%