



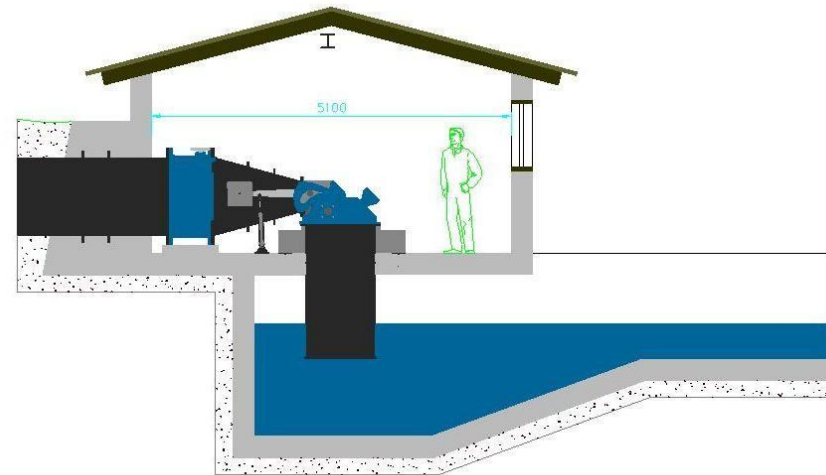
## **“Zhitomir Small Scale HPP”**

**Construction of 1 MW Hydro Power Plant  
on existing dam, Teterev, Zhitomir city**

# “Zhitomir Small Scale HPP”

## Project idea

- Erection of the HPP on existing waterway and hydrotechnical installations of former Zhitomir linen fabrics manufacturing plant
- Two phase project – 300 kW + 700 kW
- 1-st phase (300 kW) – 12 month; 2-d phase – 1,5 years
- In financial terms – 250 k. EURO + 500 k.EURO



# **“Zhitomir Small Scale HPP”**

- **Project owner - Zhitomir hydroelectric company Ltd**
- **Power generation and sales**
- **Project management – in place**

# “Zhitomir Small Scale HPP”

## Project economy

- Required investments: 250 th. EURO<sub>1-st phase</sub> + 500 th. EURO<sub>2-d phase</sub>
- Electricity sales by “green tariff” : 600 000 EURO/y
- ERUs sales benefits: 65 thousand EURO/y
- IRR – 18,5%
- NPV – 4 000 000 EURO (20 years)

# **“Zhitomir Small Scale HPP” Estimated GHG emissions reduction**

	1-st year	2-d year	3-rd year	.....
t. CO2 eq.	2000	6500	6500	6500

## **Plans for the JI-project implementation**

- **It is planned to prepare, develop and implement JI project so far**

# Project Advantages

- No need for the dam and other hydro technical facilities erection (in place)
- Relatively long project technical lifetime – up to 40 years
- Relatively chip specific power generation costs (0.07 UAH/kWh)
- Proposal to investor – 60% share



# Project Contacts

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