

Czech Republic: SMALL HYDRO POWER VRANANY (SHPP Vranany)

Kyoto Mechanism:	Joint Implementation
Project Category (UNFCCC):	Energy (renewable/non renewable sources)
Location:	Vranany, Czech Republic
Emission Reductions :	85,379 t CO _{2e}

The Small Hydro Power Project Vranany is part of a programme to increase renewable energies in Czech Republic. This programme intends to refurbish existing small hydro power plants in the region of Vranany to increase energy efficiency.

The proposed JI pilot project will build an additional small hydro power plant at the existing construction near Vranany. The existing construction was put into operation in 1909 and was reconstructed in 1976. It consists of 3 moveable weirs, a navigation canal, a lock chambers, a raft gate and a fish-ladder.



The existing construction is the first step of the Vltava (Moldau) cascade scheme.

The Hydro Power Plant will generate per year 16,500 MWh electricity which will be feed into the grid of Czech Republic and substitute electricity from fossil fuels in the same amount. The Project will generate a CO₂ emission reduction of about 85,000 tCO_{2e}. The power plant has been put into operation in the year 2007.