



HYDROELECTRIC POWER STATION WITH HAIR TURBINE IN RUNNING WATERS

Project title	Hydroelectric power station with hair turbine in running waters	
Sector	Innovation Sector, Energy Sector	
Location	Banja Luka, Šipovo Municipality	
Project background	The project owner, innovator, with this product has visited many exhibitions in the world, trade fairs for new technology and he received a great number of awards various degrees of cups and gold medals, such as Paris, Geneva, Kiev, Novi Sad, Belgrade, Zagreb, Skopje, Kuwait, China, Seoul, Nuremberg, Iran and others.	
Project status	The project realization has already started and the project owner made a power plant with turbine diameter of 2.5 m, weight of 300 kg, and about 30 kW of power.	
Innovation description	The design is simple inexpensive to produce, and easy to install and set up at the selected location on the coast. When the water level rises due to rainfall turbine is brought back and rises up along the rails hair. Power is transmitted from the turbine shaft to the gear unit, from that going through connectors on the generator. It cannot cause damage to the turbine because the peripheral speed of the blades the same as the rate of flow of water. The many turbines can be set up on both banks of the river, from the source to the mouth of the river, and they are suitable for households near the river.	
Intellectual property, Patent	The invention is protected by patent BAP082626	
Estimated total investment cost	The total investment cost depends on sizes of turbines. The total investment costs of already constructed and sold usable turbine, with diameter of 2.5 m and about 30 kW of power, are around 20 000 EUR.	
Inputs provided by local partner	Value	Description
	50 000 EUR	Owner has made a special kind of material and mechanical parts in the amount of 50 000 EUR
Inputs required from foreign partner	Value	Description
	2 000 000	For selling the patent rights
	1 500 000 EUR	For a sales license
	1 000 000 EUR	For joint venture in production
Supporting information available	For additional information about this project, please contact FIPA either by e-mail: fipa@fipa.gov.ba or phone number: +387 33 278 080.	