



CABLE CAR KULEN VAKUF - OSTROVICA MEDIEVAL TOWN UNA NATIONAL PARK, BIHAC

Project title	Construction of a cable car to connect Kulen Vakuf with the medieval town of Ostrovica in the Una National Park
Sector	Tourism sector, Sector for cultural - historical heritage and culture
Location	Bihac, Una-Sana Canton
Location description	<p>Bihac is the city and seat of the Una-Sana Canton, and at the same time the center of the project location, more precisely Kulen Vakuf - the largest populated place located in the area of the Una National Park, south of the town of Bihac, on the river Una, above which rises the Old Town of Ostrovica - a large fortified building on a steep hill that towers over the left bank of the upper course of the river Una near the settlement of Ostrovica.</p> <p>The Una National Park stretches along the border with Croatia, and is only 30 kilometers from the Plitvice Lakes National Park and 115 kilometers from the Adriatic Sea.</p> <p>Nearest international airports: Zadar – Zemunik (HR) 152 km; Zagreb – Pleso (HR) 158 km; Banja Luka (BIH) 160 km; Split (HR) 195 km; Sarajevo (BIH) 320 km; Ljubljana (SLO) 260 km</p>
Company description/ Project background	<p>Una National Park is the first declared national park in the territory of the Federation of Bosnia and Herzegovina, on May 29, 2008.</p> <p>After that, the Una National Park Public enterprise, which manages this area was founded. The area of the Una National Park covers a total area of 19,800 ha, it is part of the Una-Koran plateau, and includes the catchment areas of the Una and Una rivers, as well as the slopes of the Plješevica, Grmeč and Osječnica mountains. The Una National Park is a unique natural entity, and within the rich tourist offer there are sports and recreational activities, void activities, and visits to the cultural and historical heritage of this area.</p> <p>The Company's activity is: protection, maintenance and promotion of the National Park "Una" in order to protect and preserve the pristine of nature, ensuring the undisturbed development of natural processes and sustainable use of natural resources, and</p>



	supervision over the implementation of conditions and measures of nature protection in the area it manages in accordance with the law.
Project status	<p>Conceptual project created in November 2021.</p> <p>Elaboration of the feasibility study with cost-benefit analysis for the construction of study documentation and the application for the construction of the cabin gondola Kulen Vakuf - Ostrovica, was made in August 2022.</p>
Project description	<p>The project proposes construction a cable car in the Una National Park, which would connect Kulen Vakuf and the historical fortress Ostrovica.</p> <p>The goal is to further enrich the area of the Una National Park with facilities for rest and recreation in nature, far from air pollutants, which is supported by the current Development Strategy of the Una-Sana Canton, as well as the Master Plan for the development of the Una National Park.</p> <p>The objectives of the construction of this cable car are multiple and start from the developmental, i.e. economic, historical, traffic, spatial, ecological and other aspects of the overall development of the Una National Park.</p> <p>The construction of the cable car would open up a wider perspective for the further development of the Una National Park, as well as the location of the Kulen Vakuf settlement. It would be possible to create supporting facilities such as the construction of bicycle paths, the construction of footpaths for hiking and the like, while increasing catering capacities.</p> <p>Also, the construction of the cable car will significantly reduce the use of motor vehicles and enable the ecological and sustainable use of natural resources as well as the preservation of the natural environment. The investment can improve the health of the population and specifically act on environmental protection.</p> <p>The tourist potential of the Una National Park, as well as the location of Kulen Vakuf, has not been fully utilized, and there are significant opportunities for improving the overall tourist offer, which should be used by the manager of this area, Una National Park.</p> <p>Completing the tourist offer with a cable car on the route Kulen Vakuf - Ostrovica would create the possibility of developing Kulen Vakuf, but also NP Una at full capacity. Many investments would open up and new jobs would be created.</p> <p>The Kulen Vakuf-Ostrovica cable car construction project is a project that aims to activate the natural potential for the development of tourism at the tourist destination of the Una National Park, on a profitable basis that will initiate economic development, employment and the development of supporting activities in the local community. The project aims to improve the tourist offer in NP Una in the area of the entire Una-Sana Canton, as well as to integrate it into the area and its surroundings based on the principles of sustainable development while preventing all possible negative effects on the local environment.</p> <p>TECHNICAL TECHNOLOGICAL INVESTMENT ANALYSIS</p> <p>The standard and directives applied to the cable car construction project "Cableway" installation means the entire system installed at the point of use, including station</p>



facilities, facilities along the line of motion and foundations. A safety component means any device that is installed in a plant for the purpose of ensuring a safety function. The introduction of the Directive on cable cars is part of the stabilization and association process between the EU and Bosnia and Herzegovina. The directive on cable cars considers funiculars, cable cars, gondolas, cable cars with seats, traction lifts.

TECHNICAL PROJECT DOCUMENTATION

When implementing an investment project, it is necessary to develop project documentation. The project documentation is created in different phases of the realization of the investment, and the project documentation during the construction of the cable car consists of:

- Conceptual design,
- The main project,
- Project of the derived state.

The conceptual project consists of graphic attachments, a preliminary design estimate of works and text that deal with the facilities of the lower and upper station of the cable car at the Kulen Vakuf - Ostrovica location. The conceptual documentation also defines the functional, spatial and technical elements of the buildings, the basic technological concept, and the layout of the surfaces.

In the further phase of the project implementation, before carrying out works on the construction of the cable car, it is necessary to create a Master Project in which all the details related to the construction of the installation itself, as well as the details related to the construction of all the accompanying facilities, will be defined. The task of the Main Project is to accurately process everything related to construction works, mechanical components of the system and their installation methods, electrical components and their connection to the power supply system, as well as a detailed estimate and estimate of all works and equipment that are the subject of construction, as cable cars and other supporting facilities.

For all specific aspects of the solution, which include input data and a level of elaboration that is not appropriate for the Conceptual and Main Project, it is necessary to create a corresponding Project of the executed state, which includes any deviations in the solutions in relation to the provisions of the Main Project. The project of the finished state is created after the completion of the works.

TECHNICAL CHARACTERISTICS OF THE KULEN VAKUF - OSTROVICA CABLE CAR

According to the conceptual solution that has already been prepared, and was made by the design company QC Design d.o.o., the Kulen Vakuf cable car has the following characteristics:

It is a so-called jig-back system, in which two cabins travel from the inbound to the outbound, while the other two travel from the opposite side. The contractor is obliged to adapt the technology of execution of certain positions of work to his capabilities and available mechanization, taking into account project solutions and meeting quality and environmental protection conditions. The conceptual solution envisages the construction of the departure and arrival station of the cable car with accompanying

FIPA INVESTMENT PROJECT PROFILE



	facilities, as well as five stilt stations on the cable car route, along with the construction of a guardrail to protect the railway line.	
Estimated total investment cost	8 202 945.03 EUR	
Inputs provided by local partner	Value	Description
Inputs required from foreign partner	Value	Description
	8 202 945.03 EUR	<p>This price includes the purchase of equipment, the construction of a cable car with all related costs of construction of transformer stations, clearing of forests, construction of access roads, and construction of supporting facilities, which can be shown through the following items:</p> <ol style="list-style-type: none"> 1) Relocation of installations and expropriation of land, 2) Development of the Main Project with associated facilities, footbridge for railway protection, engineering geological and geotechnical study with investigative works, 3) The electro-mechanical part of the cable car with associated construction works, equipment for the cable car's night operation, and installation costs, 4) Construction facilities at the stations, 5) Footbridge for railway protection. <p>It is expected that the investor would have approximately BAM 340,000.00 in expenses for the purpose of obtaining the necessary permits, resolving property-legal relations, and the aforementioned has already been included in the total value of the investment.</p>
Form of cooperation with foreign partner	Financial	Technical
	Concession, Public private partnership	If it is a public-private partnership, then with the consent of the founder of the FBiH Government, the possibility of participation in the investment and its percentage would be considered.
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.	