

Construction of a mineral water production facility

Project name	Construction of a mineral water production facility
Project summary	The establishment of mineral water production using Yukhari Istisu, Ashagi Istisu, Geshdak, Garasu, Mozchay, and Gotursu water deposits situated in Kalbajar district.
Demand for raw materials	Carbonated mineral thermal water, glass, and plastic bottles, Tetra Pack, and packaging products, etc. Yukhari Istisu deposit: 867m ³ / day Ashagi Istisu field: 748 m ³ / day (the plant was located in the field's proximity) Geshdak area: 108 m ³ / day
Infrastructure	Production of 1 liter of mineral water requires the following: Electrical power: 1,12 kW/h Natural gas: 0.01 m ³
Logistics	The Kalbajar district is 454 km away from Baku, 230 km away from Ganja, and 224 km away from the Logistics Center.
Project advantages	<ol style="list-style-type: none"> 1. High commercial potential; 2. The waters from these fields are particularly different from the waters from the deposits of other countries in terms of their gas and chemical composition, and high temperature; 3. The area encompassing these deposits offers a wide range of tourism opportunities.
Project value	~ 3 mln. AZN
Proposed project location	Kalbajar district
Market	Import 2020: Mineral water amounted to 5 mln. USD Export 2020: Mineral water totaled 331 thousand USD.

State support	<ol style="list-style-type: none">1. Project implementation under public-private partnership;2. External infrastructure support ensured by the state;3. Preferential loan;4. Investment promotion certificate.
Note	<p>33% of Azerbaijan's total mineral water reserves are situated in the Kalbajar and Lachin regions. In these areas, the production reserves of mineral water stand at 7393 m³/day, of which Lachin accounts for 42%, while Kalbajar accounts for 58%. The Kalbajar region's Tartar River basin alone includes over 400 mineral water deposits.</p> <p>By its chemical composition and physical properties, the Kalbajar district's Istisu mineral spring water is identical to the world-famous Karlovy Vary springs (Czech Republic). Istisu water temperature reaches 58.80 degrees Celsius. The total amount of minerals contained in 1 liter of water reaches 6.7 grams due to its rich content of lithium, bromine, iodine, silver, phosphorus, zinc, copper, nickel, magnesium, iron, and other chemicals.</p> <p>The results of hydrochemical monitoring carried out to assess the current condition of Kalbajar district's Geshdak, Ashagi Istisu, Yukhari Istisu, and Zulfugarli thermal mineral water deposits have included the information on water temperature (at the wellhead), the degree of mineralization, gas content, electrical conductivity, and pH-hydrogen content.</p>

