## Creation of underground water bottling industry of various mineral composites of Georgia and the use of these waters for balneological purpose

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Georgia is one of the most richest countries in the world in respect to its constantly regenerative resources of vitally necessary water formed by rivers, glaciers, lakes, bogs and groundwater.

The total amount of rivers is 26060, their total length is 58957 km.

Resources of underground drinking water amount to 573 m3/min, operationally allowable level is 301 m3/min, which is equal to 26 billion liters per day. This amount far exceeds the daily vital need 7.4 billion people on Earth (biological norm -2 -2.5 liters per day).

The factors that determine competitiveness of resource potential of drinking water are: naturalness, abundance, stability, renewability, cheapness, non-seasonality, short period of recoupment of capital investment, constant growth of world population's needs for bottled (packaged) drinking water. These factors fully prove prospectivity and necessity of the stable development of drinking water industry.

Natural drinking water "Velis Tskaro" (mineralization, 2.0-3.0 g / dm3) was found in the eastern part of the outskirts of Tbilisi. Its medicinal properties have been established since 2001, it flows from the depths as a source without any drilling and belongs to the sulphate-sodium and magnesium-calcium mineral water group. The analogue of this water is located in the resort area of the Autonomous Republic of Adjara, in Gundauri of the Keda municipality and Racha-Lechkhum municipality.

This medicinal drinking water has a number of healing properties:

Chronic gastritis ( with normal, increased or decreased secretion function), chronic colitis and enterocolitis, chronic liver and biliary tract diseases, hepatitis, cholecystitis, angiocholitis, pancreatitis, diabetes, gastric and duodenal ulcers in remission and incomplete remission.

Based on the type of water (GOST 13273-88) and clinical and experimental studies conducted, mineral drinking water is useful for healthy people for prevention purposes.

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Drinking water of this type strengthens people's health, eliminates the processes associated with metabolic disorders, which causes many diseases in human organism

<u>In the form of baths:</u> chronic diseases of the peripheral nervous system, gynecological, skin and other diseases.

Anions, mg/dm <sup>3</sup>	Anions, mg/dm <sup>3</sup>	Biol. active elements
Mz – 146 NA + K – 201	SO <sub>4</sub> – 1834 HCO <sub>3</sub> – 244 CL	H <sub>2</sub> SiO <sub>3</sub> – 31,20 Silicic acid