



## **Geological Explorations and the Characteristics of Quartz Gravel in Sllovi of Lipjanit, Republik Kosova**

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**Abstract:** The purpose of this study is the geological exploration and structural analysis of the quartz gravel in the surroundings of Sllovi village of Lipjan Municipality. Furthermore, in this report are presented the reserves of this mineral as a raw material for different practical uses. In fact, the study has to do with exploration of reserves and quality of quartz gravel as a raw material for the mass production of quartz base blocks in “Xella Kosova” factory in Lipjan. Based on the drilling results, quantitative and qualitative analyses of quartz gravel, it is considered that there are sufficient reserves for the long term mass production of quartz base blocks in “Xella Kosova” factory in Lipjan. This mineral substance has to be mixed with a coarser gravel in order to fulfill the optimum conditions of silicic gravel for the production of various blocks and bricks. In addition, silicium oxide presence in gravel at various locations does not differ substantially. Therefore, this location contains considerable quantities of quality gravel for consistent and long-term production of quartz base blocs in “Xella Kosova” in Lipjan.

**Keyword:** quartz gravel, quantity, reserves, Sllovi

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