

## Description of the object of the concession

**The clay deposit “Golbitsa”** (hereinafter referred to as “the deposit”) is located 1.4 kilometers northwest of the village Kievlichy, 35 kilometers northeast of Postavy of Postavy District of Vitebsk Region. Voropaevo-Druja railway line is 2 kilometers west of the western field limit. The nearest railway station is located 4 kilometers northwest of the deposit, Voropaevo railway station is 17 kilometers to the south. The deposit area crosses a series of country roads. Transportation of goods presented by the concessionaire can be carried out in accordance with current legislation of the Republic of Belarus.

In the southern part the deposit area northwestward crosses the corridor of electrical transmission lines comprised of two lines at the voltage of 750 kilovolts, 6 kilovolts in the north-eastern part.

Detailed exploration works of the clay deposit have been conducted. Commercial reserves of clay are 11 917 thousand m<sup>3</sup>.

The thickness of overburden is 1.5-5.5 meters, on average in blocks: I – 2.1 meters, II – 1.93 meters, III – 2.12 meters. Overburden rocks are represented by top soil, clay with high carbonate concentration and clay with plant roots.

The mineral resource is presented by glacio-lacustrine clay, jables, leek, sometimes with interlayers of fine-grained sand with the thickness of 0.1-1 mm. The clay thickness of the deposit varies from 2.6 to 22.3 meters, including the area of detailed exploration – from 8.2 to 22.3 meters. The content of fraction less than 0.01 mm varies from 72.8 to 96.11 %, less than 0.001 mm – from 22.99 to 73.1 %, the content of coarse-grained inclusions – from 0.001 to 0.43 %, including carbonates – from traces to 0.029 %. The plasticity index varies from 9 to 27.

The chemical composition by category B+C<sub>1</sub>:Si<sub>2</sub> – 50,91-61,17 %, Al<sub>2</sub>+TiO<sub>2</sub> – 11,71-21,26 %, Fe<sub>2</sub>O<sub>3</sub> – 5,74-8,68 %, CaO – 3-6,34 %, MgO – 1,48-3,16 %.

The groundwater depth is 0.3-22.1 meters. Mining and geological and hydrogeological conditions of the deposit enable to carry out surface mining with water pumping.

Clay deposits can be used for the production of M125-150 bricks, tile and cement production.

**The initial payment amount of the chalk deposit “Golbitsa”, Postavy District of Vitebsk Region, is \$ 39,8 thousand (Resolution of the Council of Ministers of the Republic of Belarus of 26.09.2012 № 876).**