

## The hydrogeology and engineering geology exploration of Musonoi project was launched

On May 20, 2018, the hydrogeology and engineering geological exploration of the Musonoi project under Metorex Holdings Limited, a wholly-owned subsidiary of Jinchuan Group International Resources co., LTD., was officially launched. The project leader and construction unit of Musonoi project --- General manager and related personnel of Hua Kan Geology Company of the republic of Congo attended the opening ceremony. At the launching ceremony, the project leader of the Musonoi project put forward two requirements for hydrogeology and engineering geology exploration. First, the exploration work should strictly abide by the laws and regulations of the democratic People's Republic of Congo (DRC), adhere to the principles of protecting the environment and civilized construction, reduce the impact of noise on residential areas, and do a good job in security work. Second, constructors should improve efficiency awareness and sense of time, adhere to high-quality construction, speed up the construction progress to ensure timely completion of exploration tasks, and provide technical support for mine construction.



The exploration work of the mining area of Musonoi project follows the principle of overall consideration. It not only emphasizes hydrological and engineering geological exploration, but also gives attention to mining exploration engineering. There are three stages of the project exploration. First stage: to collect and analyze the data of hydrogeology and engineering geology, carry out regional hydrogeological surveys, hydrogeological surveys in mining areas and ground geophysical survey, which preliminarily identify the hydrogeological conditions of regional and mining areas. At the same time, construction of 3 observation holes is carried out to provide a basis for the deployment of precipitation holes. Second stage: to carry out field drilling and construction work, and complete hydrogeological compilation, geotechnical sampling and test, water pressure test, grouting test and other work related to drilling. Third stage: pumping test and report preparation. This exploration project includes grouting test holes, large diameter precipitation Wells, hydrological observation holes, engineering geological holes, etc., totaling 7,800 meters, and surface geophysical exploration of 5,500 meters.

As the core quality asset of Metorex, Musonoi project has attracted much attention because of its rich cobalt and copper, large amount of resources and broad prospects. Accelerating the development and construction of Musonoi project at the favorable timing of the high price of cobalt and copper will help Metorex transform the resource advantage into benefit advantage. It is an important way for Metorex to realize sustainable development, and also an important guarantee for the future overseas resources strategy of Jinchuan group international resources Corporation Limited. The official launch of hydrogeology and engineering geology exploration marks that the Musonoi project has entered the substantive construction stage, which will make new contributions to Strong copper and cobalt strategy of Jinchuan group international resources Corporation Limited.



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