GUIZHOU MINERAL RESOURCE

Guizhou province is located in southwest of China. It lays on Hunan province in the east, Guangxi autonomous region in the south, Yunnan province in the west and Sichuan province in the north. Guizhou’s climate is warm and humid as a humid subtropical monsoon climate zone. Year average temperature of Guizhou is around 15°C over majority areas. Total area of Guizhou province is 176167sq.km, and its constant population since end of 2007 has reached 39.75 million.

Guizhou dominates industries cover tourism, nonferrous metals, aluminum and aluminum fabrication. Coal, phosphorus, bauxite, antimony, gold, manganese, barite and other mineral resources are advantage mineral resources of Guizhou. At end of 2007, Guizhou has discovered 41 kinds of mineral resources reserves, ranking China Top 10.

In Guizhou, coal tenure reserve is 52.78 billion ton, which ranked National No.5. Bauxite tenure reserve is 474 million ton, ranked National No.4. Phosphorus reserve is 2.868 billion ton, ranked National No.2. Manganese tenure reserve is 81 million ton, 10.24% of total reserve, ranked National No.4. Barite tenure reserve is 118million ton, 31.06% of total reserve, ranked National No.1.

There are numbers of famous companies operating in Guizhou, such as China National Gold Group Corporation, Zijin Mining, Chinalco-GZHE, Bosai Mining and Sino Gold. The mentioned companies all contribute large profit for Guizhou’s substantial development.

For a model, Sino Gold's Jinfeng Gold deposit, which based in 236km southwest of the provincial capital Guiyang is a Sino-Foreign joint venture program, and becomes Sino Gold’s flagship project and the second largest gold mine of China. Construction started in February 2005 and commercial gold production was achieved in September 2007. Jinfeng produced 56,981 ounces of gold during 2007 and had forecasted to produce approximately 150,000 ounces of gold during 2008. Jinfeng is the largest known Carlin-type deposit in China. Drilling at Jinfeng during 2007 resulted in Mineral Resources
increasing to 5.3 million ounces and the ore reserve increasing to 3.5 million ounces of gold.

From view of Guizhou geological location, the over round provinces- Yunnan, Sichuan, Guangxi Zhuang Autonomous Region, are 3 richest non-ferrous metal resources provinces of China. Especially, lead, zinc, tin, indium and phosphorus etc of Yunnan are ranked highest in China’s total reserves. While, Guangxi is very famous with its nonferrous metals resources. Guangxi’s mineral resource tenure reserves are over 64 categories, which are all Top 10 minerals of nation. Manganese, antimony, tin, aluminum, tungsten, uranium, lead, zinc, gold, indium, titanium, rare earth, rare, kaolin, barite, talc, bentonite etc are their advantage mineral resources. In Sichuan province, resource of titanium is worldwide famous, which covers 82% of the total world reserves, while, vanadium accounts for one third of world total reserve. Other 7 mineral resources such as titanium ore, vanadium ore, and pyrite keep National No.1 reserves.

Overview of mineral resources in Guizhou province, wealthy and various could describe its characters. It has become the important source of province’s economic.