Research on the exploitation status and potential of lithium resources in China

1 Research background

Demand for lithium batteries continuously boost rapid development of lithium industry

In 2016, new energy vehicles (NEV) production reached 517,000 sets in China, accounting for 1.85% of national total car production. So far the car ownership of NEV has exceeded 1million sets in China, accounting for over half of global car ownership being ranked No.1 in the world. The MIIT forecasts that China’s NEV production will reach 2million sets by 2020, which is equivalent to the total current NEV production worldwide. In a word, NEV industry springing up in China is bound to boost the rapid increase of lithium batteries demand. Lithium carbonate industry by virtue of resources products is supposed to grow further in the future.

Lithium salt price hits historical high

In the first half of 2016, battery grade lithium carbonate prices once soared to 167,000-178,000 yuan/t in China, increasing three times from early 2015 to hit a ten-year’s high. Even though price experienced a tepid decrease in the second half of 2016, lithium salt supply remain tight in 2017 to guarantee the price rise again.

Lithium resources exploitation slowdown in China

China has abundant lithium resources with reserves among the highest in the world. The resources mainly include spodumene, lepidolite and salt lake lithium, 80% of which are salt lake brine. Salt lake lithium is mainly located in salt lakes of Qinghai and Tibet, among which those conduct brine extraction of lithium include Zhabuye salt lake (Tibet), East Taigener salt lake (Qinghai), and West Taigener salt lake (Qinghai), etc. spodumene is mainly located in Ganzi Tibetan Autonomous Prefecture and Aba Tibetan Autonomous Prefecture; lepidolite, mainly located in Yichun city of Jiangxi province, has been in a stage of resource development and application.
In the context of rapid development of NEV industry and high level of lithium salt price, China’s lithium resources exploitation has caught more global concerns nowadays. This report will focus on the research on characteristics of China’s lithium resources, exploitation progress, technology, and enterprise planning layout, etc, to provide an important reference for the price trend of lithium industry in the future.

2 Research content

Abstract

Chapter 1 Global lithium resources overview

1.1 Lithium resources classification

1.2 Global lithium resources distribution

Chapter 2 China’s lithium resources overview

2.1 China’s lithium resources reserve and distribution

2.2 The characteristics of China’s lithium resources

2.2.1 Brine resources

2.2.2 Spodumene resources

2.2.3 Lepidolite resources

Chapter 3 China’s lithium salt resources exploitation and relevant enterprise introduction

3.1 Key enterprises of lithium salt exploitation (resource endowment, exploitation status, exploring potential)
3.1.1 Tibet Mineral Development
3.1.2 Tibet Urban Development and Investment
3.1.3 Qinghai CITIC Guoan Technology Development
3.1.4 Qinghai Lithium
3.1.5 Qinghai Dongtai Lithium Resources
3.1.6 Qinghai Salt Lake Industry
3.1.7 Qinghai Hengxinrong Lithium
3.1.8 Qinghai Bohua Lithium
3.1.9 Minmetals Salt Lake

3.2 China’s lithium salt resources exploitation progress and production (2012-2016)

3.3 China’s lithium salt resources exploitation prospect

Chapter 4 China’s spodumene resources exploitation and relevant enterprise introduction

4.1 Key enterprises of spodumene exploitation
4.1.1 Rongda Lithium- Jiajika
4.1.2 Xingneng Group- Sinuowei Mining Development in Yajiang County
4.1.3 Yahua Group- Lijiagou
4.1.4 Tianqi Lithium- Jiajika
4.1.5 Zhonghe- Barkan Dangba Lithium Mine
4.1.6 Ganfeng Lithium- Jiangxi Lithium

4.2 China’s spodumene resources exploitation progress and production (2012-2016)

4.3 China’s spodumene resources exploitation prospect

Chapter 5 China’s lepidolite resources development and relevant enterprises introduction

5.1 Key enterprises of lepedolite development (resource endowment, exploitation status, exploring potential)
5.1.1 Jiangte Motor
5.1.2 Yichun tantalum-niobium Mine
5.1.3 H-zone Lithium Technology
5.2 China’s lepidolite resources exploitation progress and production variation (2012-2016)
5.3 China’s lepidolite resources exploitation prospect

Chapter 6 China’s extraction of lithium technology and cost analysis
6.1 Spodumene technology
6.2 Salt lake extraction of lithium technology
6.3 Lepidolite extraction of lithium technology
6.4 Lithium salt processing technology
6.5 Cost analysis

Chapter 7 China’s lithium salt supply and forecast
7.1 China’s lithium salt production (2012-2016)
7.2 China’s lithium salt supply prospect forecast (2017-2020)
7.3 China’s lithium salt manufacturers and competition
7.3.1 Tianqi Lithium
7.3.2 Ganfeng Lithium
7.3.3 General Lithium Corporation
7.3.4 Shandong Ruifu Lithium

Chapter 8 China’s lithium consumption and forecast
8.1 China’s lithium consumption (2012-2016)
8.2 China’s lithium consumption prospect forecast
8.2.1 New energy vehicles field
8.2.2 Stored energy field
8.2.3 Mini lithium batteries field
8.2.4 Traditional field

Chapter 9 China’s lithium product trade
9.1 China’s lithium product import and export (2012-2016)
9.2 The characteristics and pattern of China’s lithium product trade

Chapter 10 China’s lithium supply and demand balance analysis and forecast
10.1 China’s lithium supply and balance analysis (2012-2016)
10.2 China’s lithium supply and balance forecast (2017-2020)

Chapter 11 Lithium salt price trend analysis
   11.1 lithium salt historical price in China (2012-2016)
   11.2 China’s lithium salt price forecast (2017-2020)

Any inquiries, please call 0086 10 62560921 or send email to cmm@antaike.com