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Sustainable Development of China's Mining Industry

Submitted by: China



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Sustainable Development of China's Mining Industry

China

Outline

- Mineral Resources in China
- Policies for the Sustainable Development of China's Mining Industry
 - ---Government
 - ---Mining Industry
 - ---Research Institute

Mineral Resources in China

Exploration Investment Increased:

Social Investment: 62460 M RMB

Financial Investment: 9260 M RMB

Discovery:

Oil and gas reserve more than 100M tons area 15

Oil Reserve Increased: 1340M Tons

Gas Reserve Increased:647200M Cubic Meters

Mineral Resources in China

Mineral Resources Discovery for 2008:

209 Large and Medium-Sized Mineral Occurrence or Prospects Discovered:

- 38 energy mineral, 18.2%
- 27 ferrous metals , 12.9%
- 45 nonferrous metals, 21.5%
- 18 precious metals, 8.6%
- 4 metallurgy auxiliary raw material, 1.9%
- 9 raw material for chemical industry, 4.3%
- 66 nonmetallic minerals for construction and other purpose, 31.6%
- 2 mineral water, 1%

Mineral Resources in China

Production of mineral commodities in 2008:

- Raw Coal:** 2.793 Billion tons
- Crude oil:** 190million tons,
- Natural Gas:**76.08Billion Cubic Meters
- Iron Core:** 824 million tons
- Crude Steel:** 501 million tons;
- Gold:**282 tons
- 10 nonferrous metals:** 25.2Mtons
- Phosphate ore:** 50.74 million tons
- Crude Salt:** 59.53 Million tons
- Cement:** 1.388 billion tons

Mineral Resources in China

Imports of Major Mineral Commodities in China in 2008

Crude Oil 178.829 M Tons ,

From 42 countries, of which

Saudi Arabia	20.3%
Angola	16.7%
Iran	11.9%
Russia	6.5%
Oman	8.2%

Mineral Resources in China

Imports of Major Mineral Commodities in China in 2008

Iron Ore 275.23 Million Tons,
From 43 Countries, of which

Australia:	41.4%
India	20.5%
Brazil	22.7%
South Africa	3.3%
Indonesia	1.5%

Mineral Resources in China

Imports of Major Mineral Commodities in China in 2008

Manganese Ore 7.57 Million Tons,
From 34 Countries, of which

Australia:	30.4%
South Africa	26.2%
Gabon	14.5%
Brazil	7.7%
Myanmar	4.7%

Mineral Resources in China

Imports of Major Mineral Commodities in China in 2008

Chromite Ore 6.84 Million Tons,

From 30 Countries, of which

South Africa	38.0%
Turkey	17.2%
Oman	11.9%
India:	8.0%
Pakistan	5.5%

Mineral Resources in China

Imports of Major Mineral Commodities in China in 2008

Copper Ore 5.20 Million Tons,

From 49 Countries, of which

Chile:	29.3%
Peru	18.1%
Australia	10.6%
Mongolia	10.3%
USA	5.0%

Mineral Resources in China

MINING RIGHTS MANAGEMENT

Mineral Exploration Licenses: 38700 (5943 newly issued)
---1117 for oil and gas;

Mining Licenses: 100600 (8352 newly issued)
---624 for oil and gas

Exploration rights and mining rights granted by public bidding
Auction and listing in 20 and 28 provinces, autonomous
regions and Municipalities directly under the central
government respectively.

EL: 542

ML: 7696

Government Policies

The exploration program for the reserve depleting mines

The overall plan for adjustment and revitalization for the
Iron and Steel, the non-Ferrous metals etc

The National Plan for mineral resources.

To pay more attention to the Mine Geo-environment:

The regulation and rules carried out on May 1st, 2009
Set up the Mine Parks.

Government Policies

- Fiscal Support for the Resource Depleting Cities.
- Adjustment for the Mineral Resources Revenue: more to the local

The Industry

- The Forum for Mine Life Cycle organized by Industry Association and China Mining Association from 2006
- The Green Mine Convention initiated by China Mining Association and China Aluminum Corporation and Shougang Group, China Nonferrous Metals Association etc
- CSR report

The Research Institute

- The Annual report for sustainable development of LAND AND RESOURCES
- Including: energy resources assessment, Geo-environment
- Mineral Resources Utilization in a Conservative and Intensive Use
- Chinese Academy of Sciences , Chinese Academy of Engineering
- Ministry of Land and Resources

- Thank you and your comments are warmly welcomed.