The Republic of the Union of Myanmar
Ministry of Mines

Current Mining Activities in Myanmar

Presented by U Kyaw Thet
Director
Department of Mines
Responsible for

- administration of mineral policy and planning,
- mineral legislation,
- mine inspection and safety,
- mineral conservation and mining related environmental control.
Department of Geological Survey & Mineral Exploration

Responsible for

Country wide geological mapping, Mineral prospecting and exploration using geological, geochemical, geophysical and exploratory drilling techniques.
No.(1) Mining Enterprise

Responsible for production of -

<table>
<thead>
<tr>
<th>Lead</th>
<th>Iron</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc</td>
<td>Antimony</td>
</tr>
<tr>
<td>Silver</td>
<td>Nickel</td>
</tr>
<tr>
<td>Copper</td>
<td>Chromite</td>
</tr>
</tbody>
</table>

According to market oriented policy and leading to privatization, the deposits are being worked on Joint-Venture basis with local and Foreign Companies.
### No.(2) Mining Enterprise

Responsible for production of:

<table>
<thead>
<tr>
<th>Tin Concentrates</th>
<th>Wolfram Concentrates</th>
<th>Tin-Wolfram-Scheelite mixed Concentrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refined gold</td>
<td>Refines tin</td>
<td></td>
</tr>
</tbody>
</table>
No.(3) Mining Enterprise

Responsible for the production of

<table>
<thead>
<tr>
<th>Coal</th>
<th>Manganese</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone</td>
<td>Barite</td>
</tr>
<tr>
<td>Gypsum</td>
<td>Dolomite</td>
</tr>
<tr>
<td>Fluorite</td>
<td>Bentonite</td>
</tr>
<tr>
<td>Industrial Clay</td>
<td>Dimension stones</td>
</tr>
</tbody>
</table>
Myanmar Gems Enterprise

Responsible for -

• taking supervision
• and allowing permit

for local private companies.

Moreover, also encourages gemstone and jewellery shops and allows permit.
Myanmar Pearl Enterprise

Responsible for -

• production a large quantity of good-quality cultured pearls,
• as well as to collect mother-of-pearl oysters from the sea.
<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar Salt</td>
<td>Potassium chloride</td>
</tr>
<tr>
<td>Iodated salt</td>
<td>Oral rehydration salt</td>
</tr>
<tr>
<td>Magnesium chloride</td>
<td>Marine chemicals</td>
</tr>
<tr>
<td>Magnesium sulphate</td>
<td>Soda ash</td>
</tr>
</tbody>
</table>
Various changes in legislation

- 1988 Union of Myanmar Foreign Investment Law
- Rules relating to the Union of Myanmar Foreign Investment Law
- 1992 The Salt Enterprise Law
- 1994 Myanmar Citizens Investment Law
- 1994 Union of Myanmar Mines Law
- 1994 Rule relating to Mines Law
- 1995 The Myanmar Gemstone Law
- 1994 Rule relating to Gemstones Law
- 1995 Myanmar Pearl Law
To boost up present production
- to fulfill the growing domestic needs
- to increase foreign exchange earnings

To invite participation in terms of technical know-how and investment from sources within the country and abroad

Mineralwise emphasis to be given for development
- Copper
- Gold
- Coal
- Nickel
- Lead/Zinc
- Iron and Steel
- Construction-related industrial minerals
  - cement making minerals
  - dimensionstones
  - aggregates
(a) to implement the Mineral Resources Policy of the Government;

(b) to fulfill the domestic requirements and to increase export by producing more mineral products;

(c) to promote development of local and foreign investment in respect of mineral resources;

(d) to supervise, scrutinize and approve applications submitted by person or organization desirous of conducting mineral prospecting, exploration or production;

(e) to carry out for the development of, conservation, utilization and research work of mineral resources;

(f) to protect the environmental conservation works that may have detrimental effect due to mining operation.
Gemstones such as Rubies, Sapphire, colored gemstone and Jade are also exported.
The best rubies and sapphire in the world are produced from Mogok, Upper Myanmar known as the Land of Rubies since 13 Century.

- The ruby mines are situated about 150 miles to the north east of Mandalay in Mandalay division.
- Sale of precious stones is done through tri-annually held gem emporiums, gem trading centers and gems marts and by private license holders.
Jadeite jade is produced from the Kachin State in upper Myanmar. There are three Gems & Jade Emporiums per year. Jade are mainly soled by these emporiums.
Cathode Copper

- Produced from S & K Mine, Monywa
- Annual production at present is 25000 tons.
- Operated by Myanmar Yang Tse Copper Limited, MYTCL,
Refined Tin, Tin Concentrate, Tin Wolfram mixed concentrates.

- Mawchi mine
- Tanintharyi division
- Heinda Kanbauk and Kalonta
- All tin and tungsten mines have been privatized.
- At present there is no state operated tin tungsten mine apart from one tin smelter in Myanmar.
Lead and Zinc Concentrates

- Mining operation in Namtu- Bawdwin Lead- Zinc Mine.
- Other Lead- Zinc mines - Yadanar Theingi and Bawsaing mines.
Gold

- Kyaukpahto gold mine situated in Kawlin township, Sagaing division and
- Other five large scale gold mines are Modi-Momei work site (A), (B), (C), (D), (E) in Yamethin township Mandalay division
- and Phayoungtaung gold mine in Patheingyi township Mandalay division.
Coal

- Practicing production sharing contract system in which 100% percent of investment is borne by the private companies and the agreed split ratio is shared between the two parties.
- There is no more production of coal by state sector after privatization of Kalewa in Sagaing Division and Namma in Northern Shan state to the private companies in 2010.
- As of 30 September 2011, 43 coal production licenses issued to 32 local private companies.
Barytes

• One Barytes powdering plant in Thazi, near Mandalay.

• The powdered product is supplied for drilling wells under Myanmar Oil and Gas Enterprise (MOGE) and also for oil wells operating under joint venture agreement with MOGE.
Iron and Steel

- No.1 Iron and Steel Plant at Pyin Oo Lwin
- The products are consumed locally for construction works.
- At Present, the plant is operated by Ministry of Defense.
Iron Ore Exploration

- To study Iron ore deposit at kathaing Taung,

- DGSE and Kunming Henglong Architecture Mechanical Construction Co., Ltd
Limestone

- Two types of limestone are produced in Myanmar
  - high calcium content with no outstanding physical appearance
  - with inclusions giving rise to beautiful texture and color are used as decoration limestone, known as dimension stones.
- Fireclay,
- Yellow ochre,
- China clay,
- Asbestos,
- Bentonite,
- Felspar
Ferro Nickel Production

- **Myanmar CNICO** and ME(3)

- **PSC** at **Tagaung Tang** (Mandalay Region)

- US$ 787 – 899 million.

- The mine is opened on **27.3.2011** and production will start soon.
Ferro Nickel Exploration

- North Mining Investment Co., Ltd. & DGSE
- At Mwe Taung
- Already signed to do the feasibility study on 6.6.2012.
Myanmar practice the production sharing contract (P.S.C) system.

In the production sharing types of agreement the investor shall have to contribute 100% of investment in which case the government would expect a share of the production and a production sharing will be signed with sharing ratio to be agreed upon between the parties.
There are (7) FDI with Australia, China, Russia, Thailand and Vietnam in production of Zinc, Iron, Ferronickel, Gold, Tin and Marble.
Ministry of Mine already issued 1355 mining permits since 31.3.2012 for citizens and can classified by following:

- Exploration Permit: 551 Nos
- Small Scale Mining Permit: 520 Nos
- Large Scale Mining Permit: 129 Nos
- Subsistence Mining Permit: 20 Nos
- Small Processing Permit: 135 Nos

and mainly for Tin – Tungsten, Copper, Antimony, Iron, Coal, Industrial Minerals, Marbles, Granite, Magnesia dioxide, Goal and lime stone.
Conclusion

We hope there’ll be more cooperation between Myanmar and Your Country in the near future.