

Mongolia: building a sustainable economic growth through downstream industries and rail infrastructure

Ulaanbaatar • June 2011

Ministry of Road, Transportation, Construction and Urban Development of Mongolia

Agenda

Executive summary	3
Country's macro-economic goals	4
Industrialization plans	8
Railway strategy	10
Execution timetable	19

Executive Summary

- Mongolia has huge, untapped resource reserves
- It is a back-door to #1 commodity consumer nation in the world
- Miniscule GDP compared to market valuation of reserves
- The Parliament and the Government of Mongolia resolved all necessary decision for implementation of infrastructure and industrial projects
- Railway infrastructure development requires Russian participation
- Long-term and sustainable offtake of Mongolian commodities could increase seaport investments in Russia

Millennium Development Goals based Comprehensive National Development Strategy of Mongolia

National Development Strategy (NDS)*

Vision

Mongolia is a country of contentment with vast lands, abundant natural resources, admirable history, and glorious future.

We, Mongols, shall respect our history and culture, have our national dignity, be highly educated and confident in ourselves so as to realize our desires and aspirations, live comfortable, prosperous and contented lives in our homeland.

Mongolia's development is a guarantee of its security and independence. The root source of its development lies in the national unity.

Goals

Strategy

2007 - 2015 period

- Synchronize EGSPR with NDS
- Increase jobs (unemployment rate at max 3%)
- Create a nation-wide database
- Provide economic incentives for new jobs

GDP growth: 14% GDP per capita: \$5,000

2016 - 2021 period

- Enhance coordination for poverty reduction
- · Create a sovereign wealth fund
- Reduce poverty

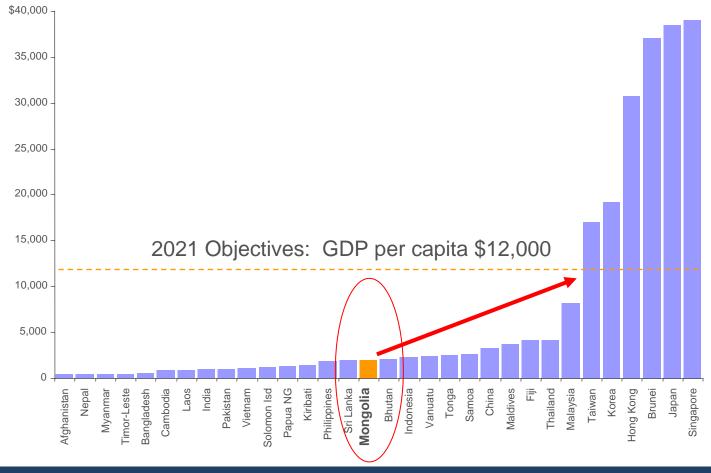
GDP growth: 12%

GDP per capita: \$12,000

Mongolia successfully developed its economic growth vision and now it is working on the process on how to achieve these targets

^{*} Parliament of Mongolia resolution 12 dated Jan. 31, 2008 endorsing National Development Strategy of Mongolia

Mongolia's National Development Strategy objectives in perspective with other Asian advanced and developing countries

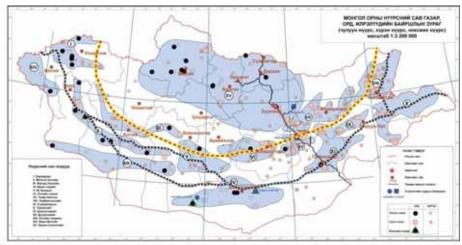


Achievement of the National Development Strategy would catapult Mongolia into one of the top economies in the regions

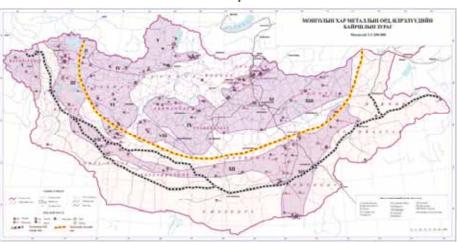
^{*} International Monetary Fund, World Economic Outlook Database, October 2009

A new railway infrastructure planning should consider linking all mineral deposits of Mongolia⁽¹⁾

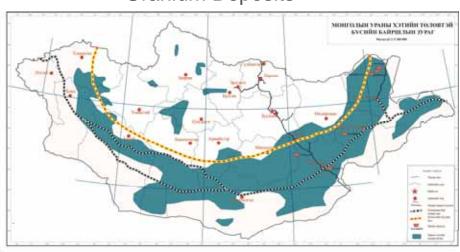
Coal Deposits



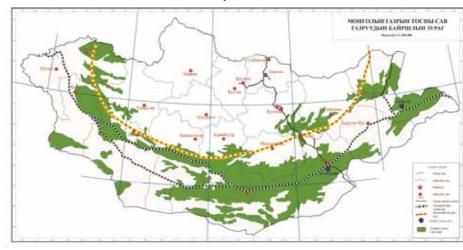
Iron Ore Deposits



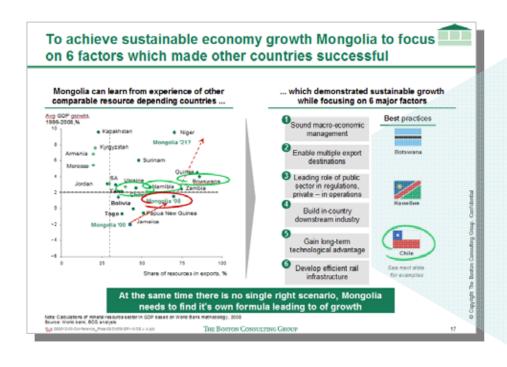
Uranium Deposits



Oil Deposits

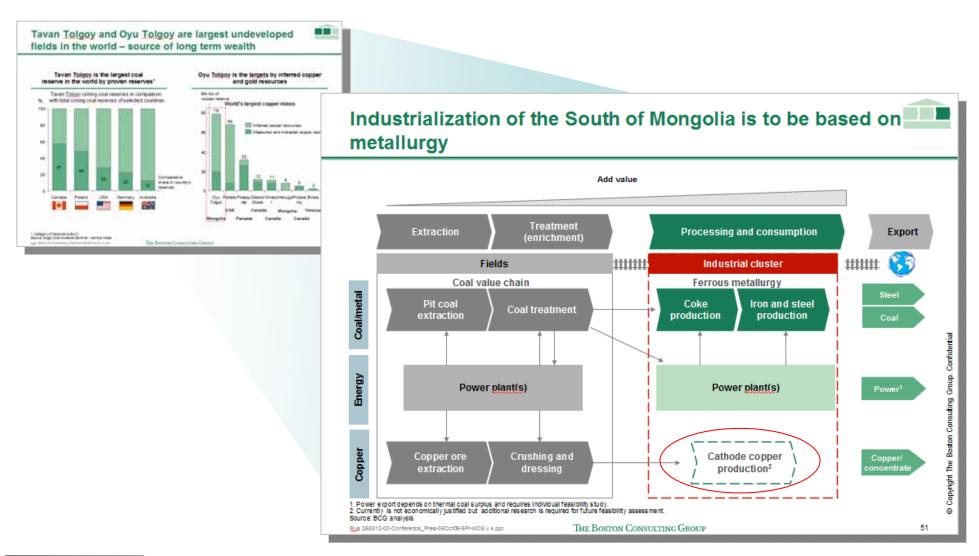


According to the Boston Consulting Group study, Mongolia needs to create following to achieve a sustainable growth⁽¹⁾...



- Sound macro-economic management
- Enable multiple export destinations
- Leading role of public sector in regulations, private in operations
- Build in-country downstream industry
- Gain long-term technological advantage
- Develop efficient rail infrastructure

The Government resolved to build an industrial cluster in Sainshand for GDP diversification⁽¹⁾



¹⁾ Government of Mongolia, Resolution 118 dated May 12, 2010

²⁾ Boston Consulting Group, Railway Infrastructure Development Strategy for Mongolia, October 2009

If the Government of Mongolia plans for construction of a Copper Smelter then...

INVESTMENT AGREEMENT

BETWEEN

THE GOVERNMENT OF MONGOLIA

AND

IVANHOE MINES MONGOLIA INC LLC

AND

IVANHOE MINES LTD

AND

RIO TINTO INTERNATIONAL HOLDINGS LIMITED

- The Investor will provide Rio Tinto's (or its Affiliates) Proprietary Technologies held in joint venture with Outokumpu, for the operation of the Smelter⁽¹⁾;
- The Investor shall in priority supply (by sale or tolling) mineral concentrate to any third party operated copper smelters located in Mongolia on the following basis⁽²⁾:
 - it is entitled to first satisfy the mineral concentrate needs of such smelter⁽³⁾; and
 - the copper smelter needs meet all technical criteria and specifications for effectively accepting and smelting copper concentrate from the OT Project⁽⁴⁾.

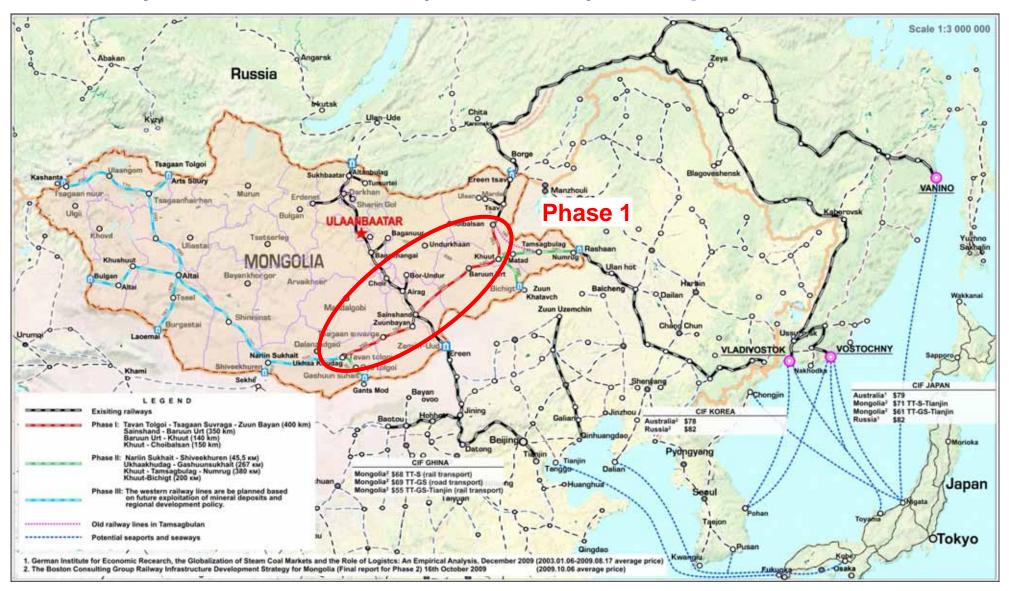
¹⁾ Investment Agreement dated October 6, 2009, article 3.20

²⁾ Investment Agreement dated October 6, 2009, article 3.21

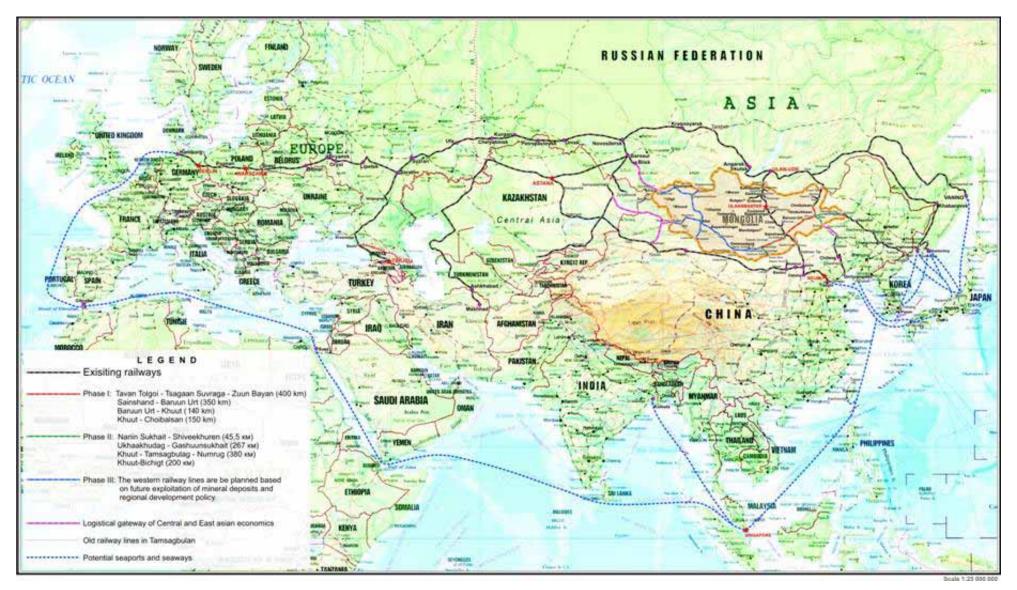
³⁾ Investment Agreement dated October 6, 2009, article 3.21.1

⁴⁾ Investment Agreement dated October 6, 2009, article 3.21.2

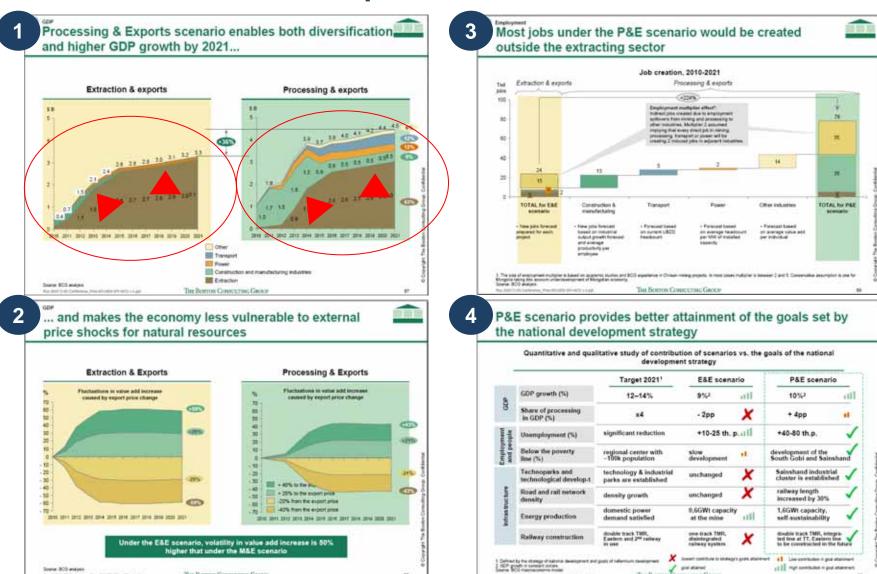
Government of Mongolia (GOM) is to start with Phase 1 of the recently ratified State Policy on Railway Transportation



Modernization and new railway infrastructure in Mongolia would enable transit freight capacity between Asia and Europe



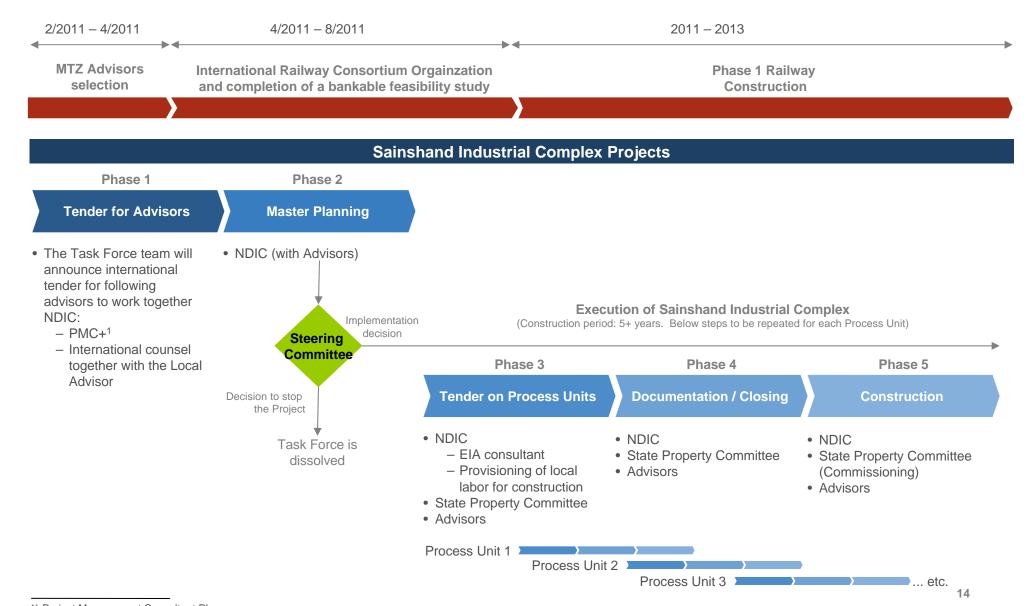
According to BCG's socioeconomic impact for building railways and Sainshand industrial park...



The Railway Policy of Mongolia calls for following minimum technical requirements⁽¹⁾:

- New railway gauge track shall be 1,520 mm and shall for freight transportation from mines to process units, to export markets.
- New railway infrastructure is to be constructed on a **BOT basis** by private financing and to be transferred fully to the Government after certain utilization period.
- Railway investors need to perform technical and technological reforms.
- The new throughput capacity needs to increase 3.5 times from existing one and transport 50 mtpa on average

Execution timetable



¹⁾ Project Management Consultant Plus