



PROPOSED MINING TENEMENT SYSTEM OF INDIA – A STEP TOWARDS GREATER EFFICIENCY IN MINERAL ADMINISTRATION

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BACKGROUND

- Diversified geological history right from pre-cambrian to recent.
- Various types of mineral deposits occurs.
- At present 89 minerals including fuel minerals, atomic minerals, metallic and non-metallic minerals and minor minerals are mined.



Contribution of Indian Mining Industry in national GDP

- The contribution of Indian Mining Industry in the national GDP is around 2.35%.
- Contribution of mining sector is very meager.
- The expenditure incurred towards prospecting and exploration is significantly less as compared to other developed countries.
- This received the attention of planners at National level.



National Mineral Policy

- That the Indian Bureau of Mines should prepare a tenement registry in collaboration with the Geological Survey of India and the prospective investors should be informed about what is available for grant of Reconnaissance Permit (RP) / Prospecting Licence (PL) and Mining Lease (ML).

Government of India decided to develop an on-line system

- Develop a web based system which will display the information in such a way that the prospective investor will know what is available for grant of RP / PL and ML from his office at the click of the mouse.
- Facilitate to attract investment in mining sector, both FDI and domestic.



CONCEPT OF MTS

- The geological environment where a search for a particular mineral can be made.
- Displaying the regional geological maps on a scale of 1:50000 prepared by the GSI.
- The satellite imagery layer will also be made available.
- The exploration carried out by the GSI, State DGM, other State and central PSUs.
- Data available with the Government after the statutory locking period in the form of metadata.
- The registry component and its corresponding GIS component will be available in seamlessly integrated manner.



RESTRICTIVE LIST

- Areas where a prospective investor is restricted for applying for RP / PL and ML.
 - PL and ML already granted
 - Areas reserved for Public Sector Undertaking
 - Forest areas
 - Areas declared as Tribal Areas by the State Governments



HISTORICAL DATA

- Historical information like:
 - Old mining history.
 - Abandoned / surrendered / relinquished area from the existing mineral concessions



IMPLEMENTATION APPROACH

- Identified twelve mineral rich States
 - These include: Andhra Pradesh, Chhattisgarh, Goa, Gujarat, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Odisha, Rajasthan and Tamil Nadu.
- All States entered into MoU with IBM for implementation of MTS. The Tamil Nadu is in the process of signing the same.

IMPLEMENTATION OPTIONS WITH STATES

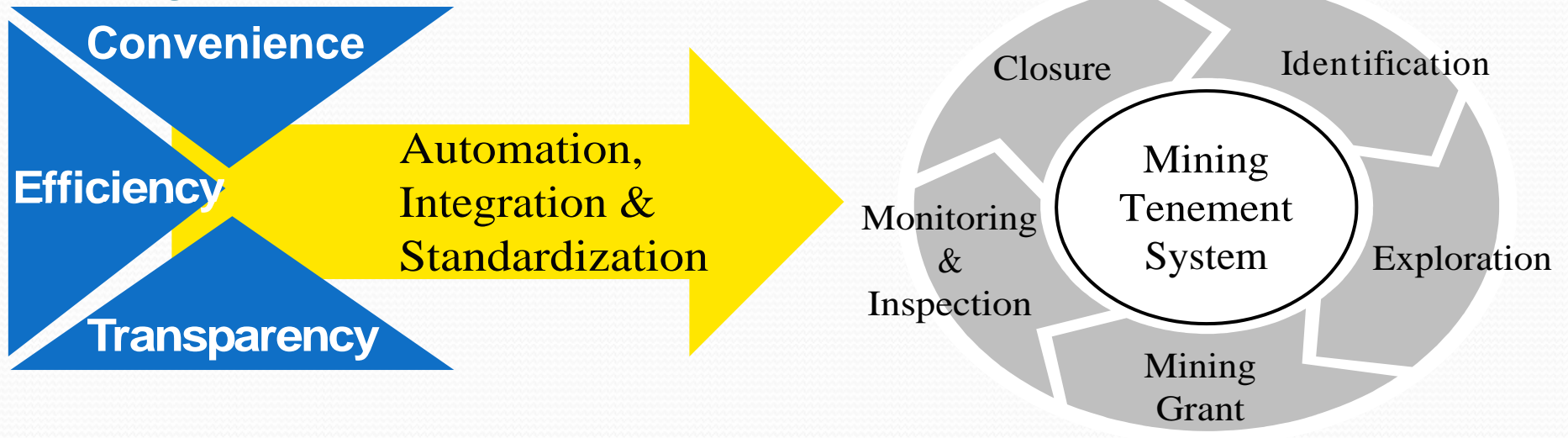
- Three options are available for adoption to States:
 - Full adoption of MTS solution,
 - adoption of selected modules of MTS, and
 - provide requisite data to MTS in electronic form without adopting any MTS module.



OBJECTIVES OF MTS

- The main objectives of MTS are:
 - To enable systematic management of data on mineral concessions.
 - Increase transparency and reduce delay in mineral concession application processing.
 - Facilitate quick access to information.
 - Facilitate monitoring and evaluation.
 - Increase efficiency in concession management
- All these objectives will be achieved through automation, integration and standardization of various process of mineral concession life cycle

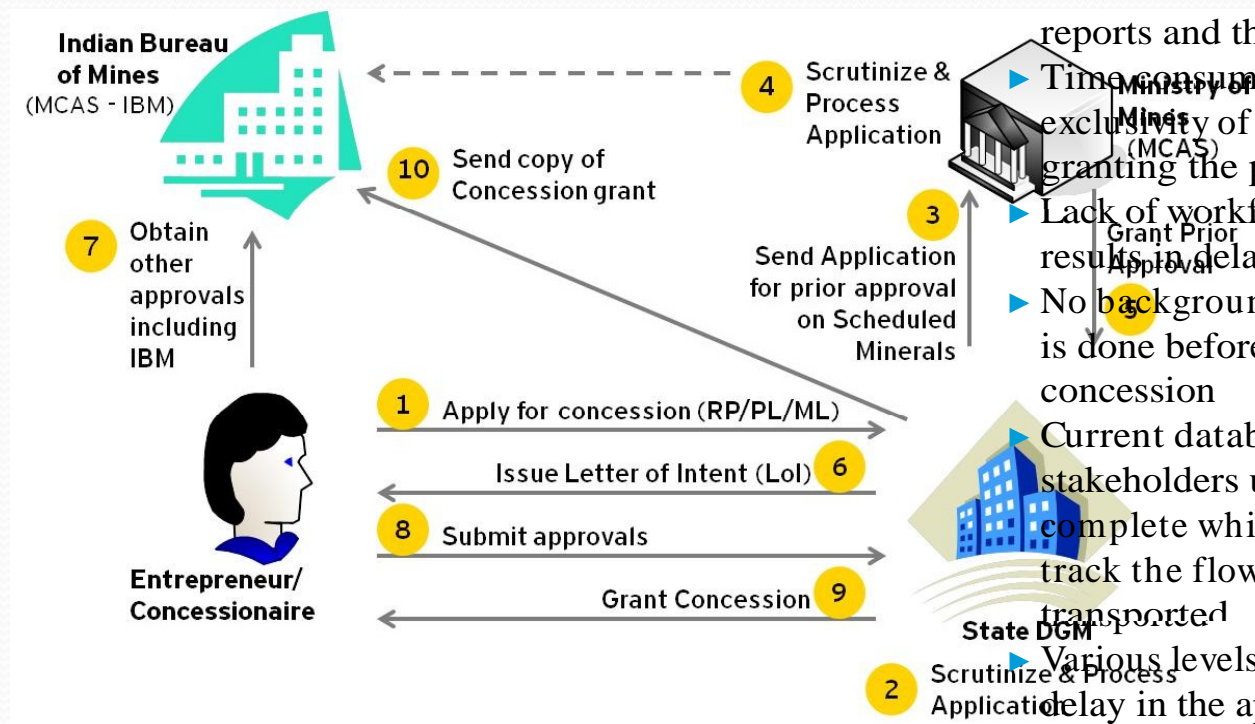
Objective



MTS envisaged to present a single window for transaction for all concessionaires, improve the service delivery efficiency and bring about transparency in the mining industry

Current Status and Issue Analysis

Grant of Concession

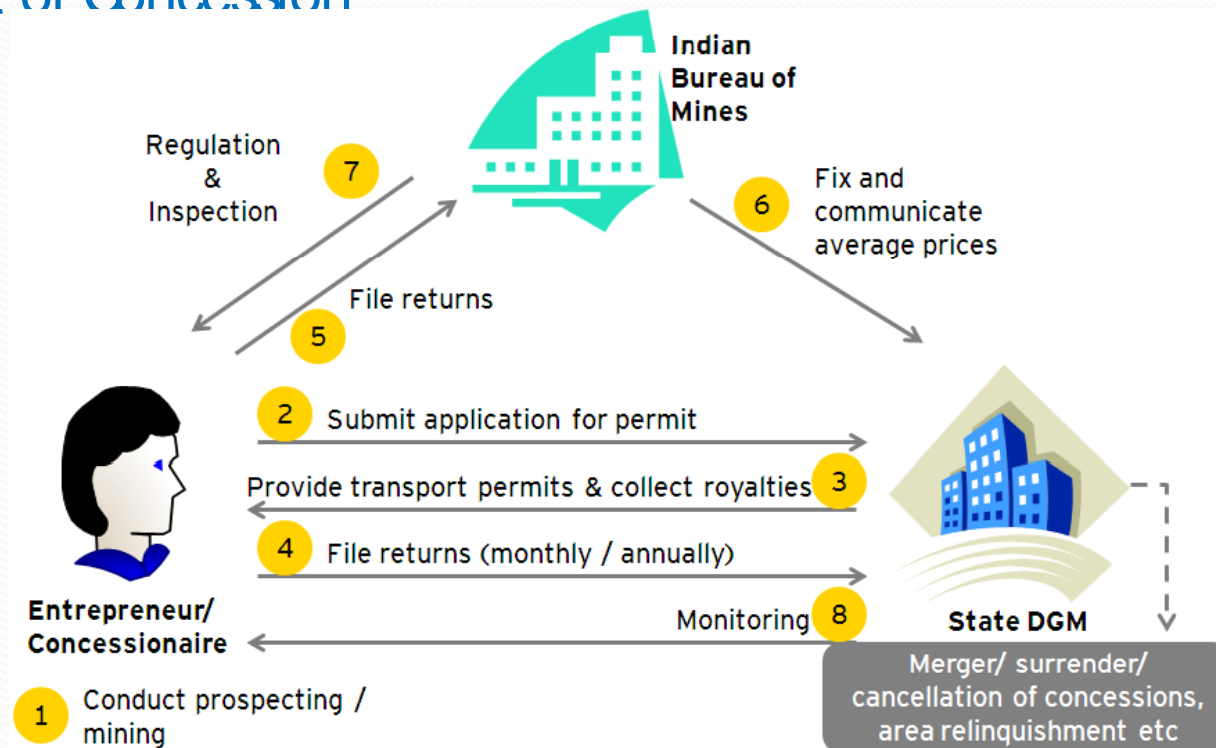


Key Issues

- ▶ Difficult to reconcile RP/PL/ML reports and the RP/PL/Mining Plan
- ▶ Time consuming to check exclusivity of RP, PL and ML before granting the permit
- ▶ Lack of workflow based system results in delays
- ▶ No background check of applicant is done before granting the concession
- ▶ Current database of all the stakeholders under Rule 45 is not complete which makes it difficult to track the flow of minerals transported
- ▶ Various levels of approval lead to delay in the approval process

Current Status and Issue Analysis

Post Grant of Concession



Standardization of royalty
SS
Generate MIS reports
on of Returns,
reports
ow based system to
ion report and
y and IBM
ilable for
continued mines
ck compliance of
measures with the

What MTS will do?

Grant of Concession

IBM



Confirm
registration

2

Approve
MP and
MCP

7

4

Scrutinize &
Process
Application



**State
DGM**

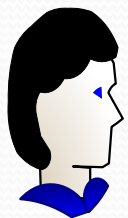
Issue
LOI

5

Grant
Concession

8

Mining Tenement System



**Entrepreneur /
Concessionaire**

1

Registration

Temporary
registration
ID

1

Permanent
IBM ID

2

3

Apply for
Concessions

Acknowledgement

3

Submit MP, MCP,
Clearances
document

6

Confirmation

6

What MTS will do?

IBM

Post Grant of Concession

Inspection
and
Regulation

6
Reconciliation of
reports

6

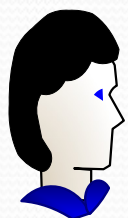
Monitoring

5
MIS
Reports

5

State
DGM

Mining Tenement System



1

Conduct
prospecting /
mining
operations

**Entrepreneur /
Concessionaire**

2

Submit
permit
application
online

2

System in-
built
validation

3

Online
Royalty
Payment

Generation of
transport
permits

3

4

File Returns
online

4

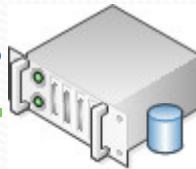
Confirmation

What MTS will do?

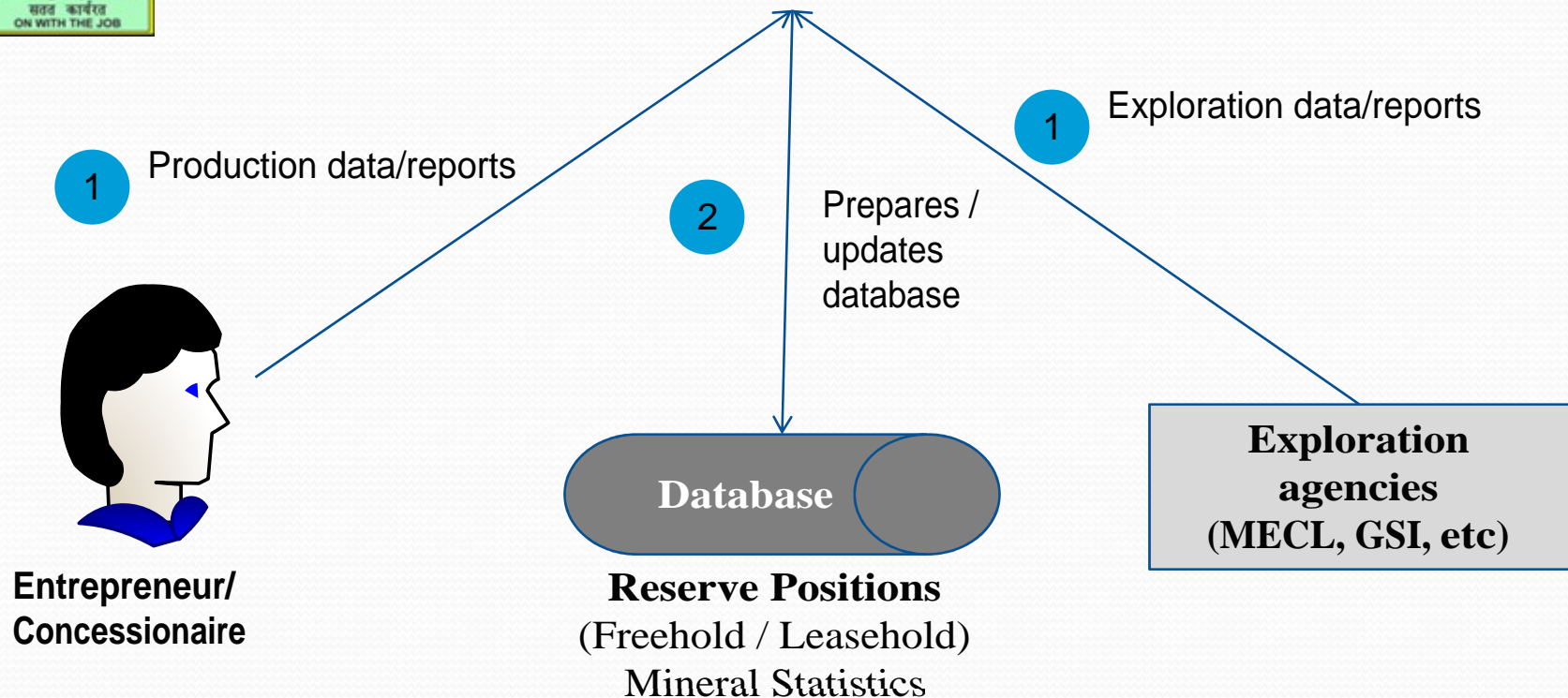


Indian Bureau
of Mines

Mineral Statistics



Mining
Tenement
System



Thank You

