



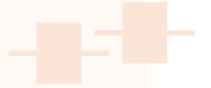
Auction Regime & Best Practices of Odisha



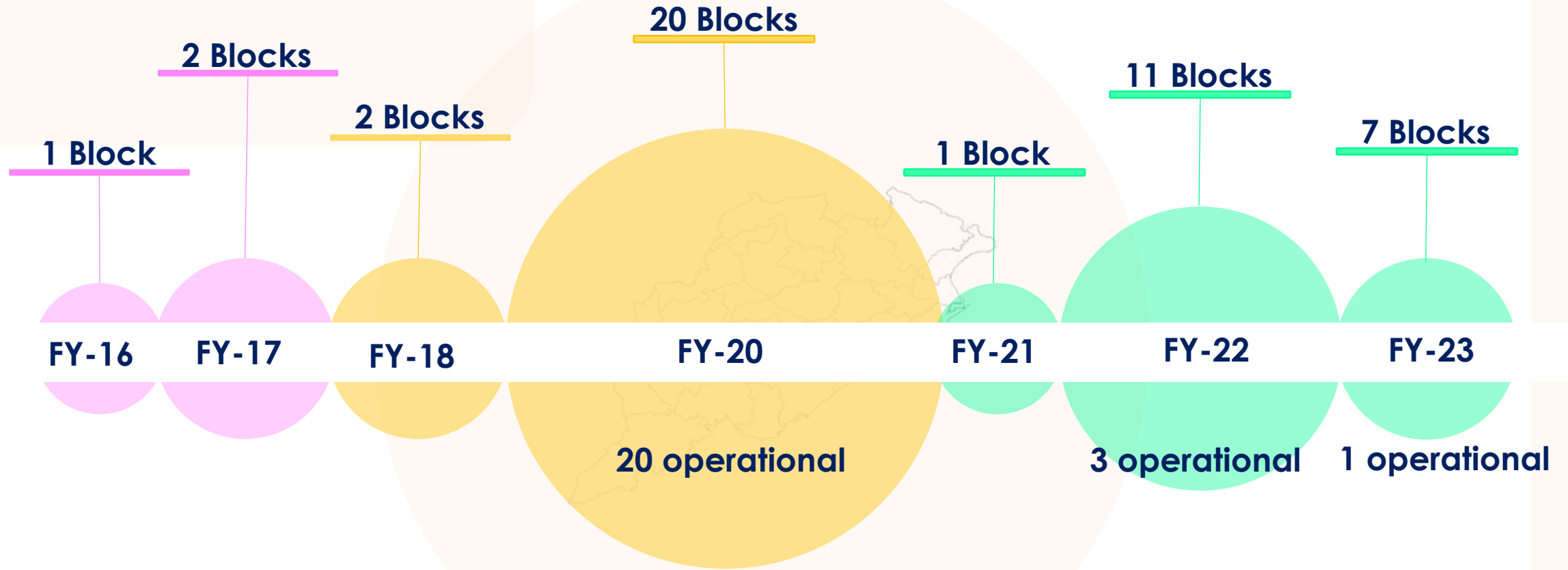
***Steel & Mines Department
Government of Odisha***



Mineral Block Auction of Odisha



Auction regime



No. of Mineral Blocks Auctioned	44
No. of blocks operationalized	24
No. of blocks at different stages of obtaining clearances	20

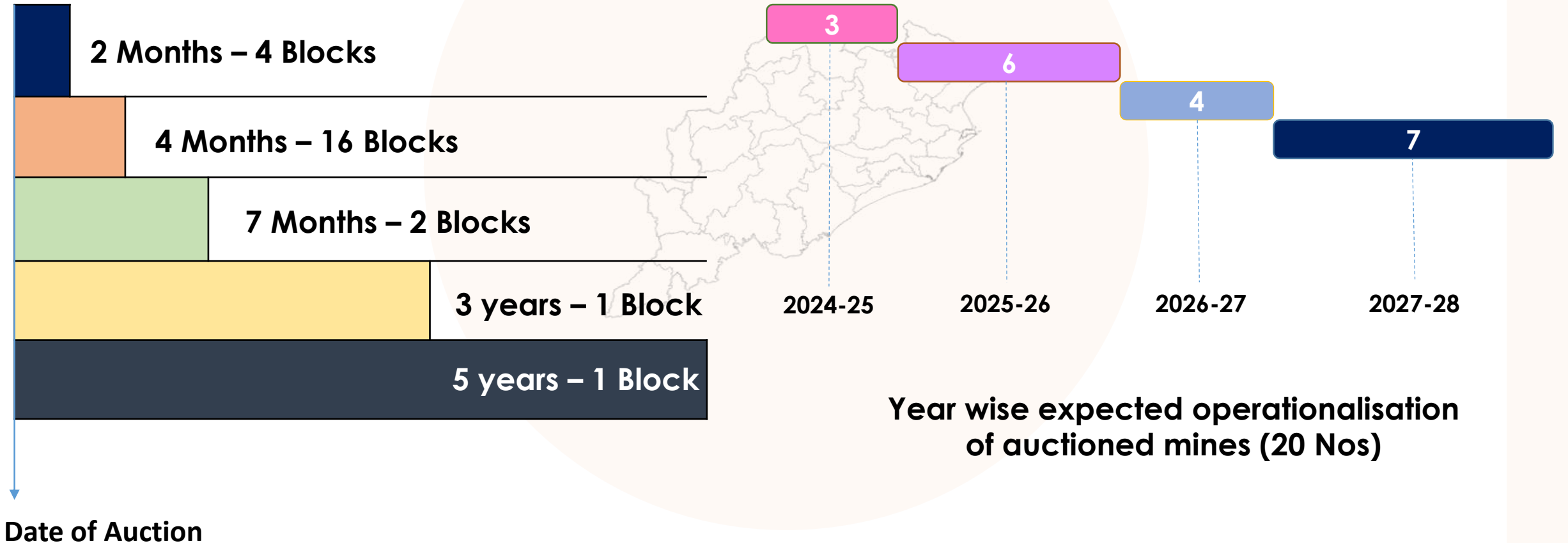
Resources auctioned so far (in MMTs)					
Iron	Bauxite	Chromite	Manganese	Limestone	Graphite
2946.95	770.93	115.09	18.611	290.58	2.15



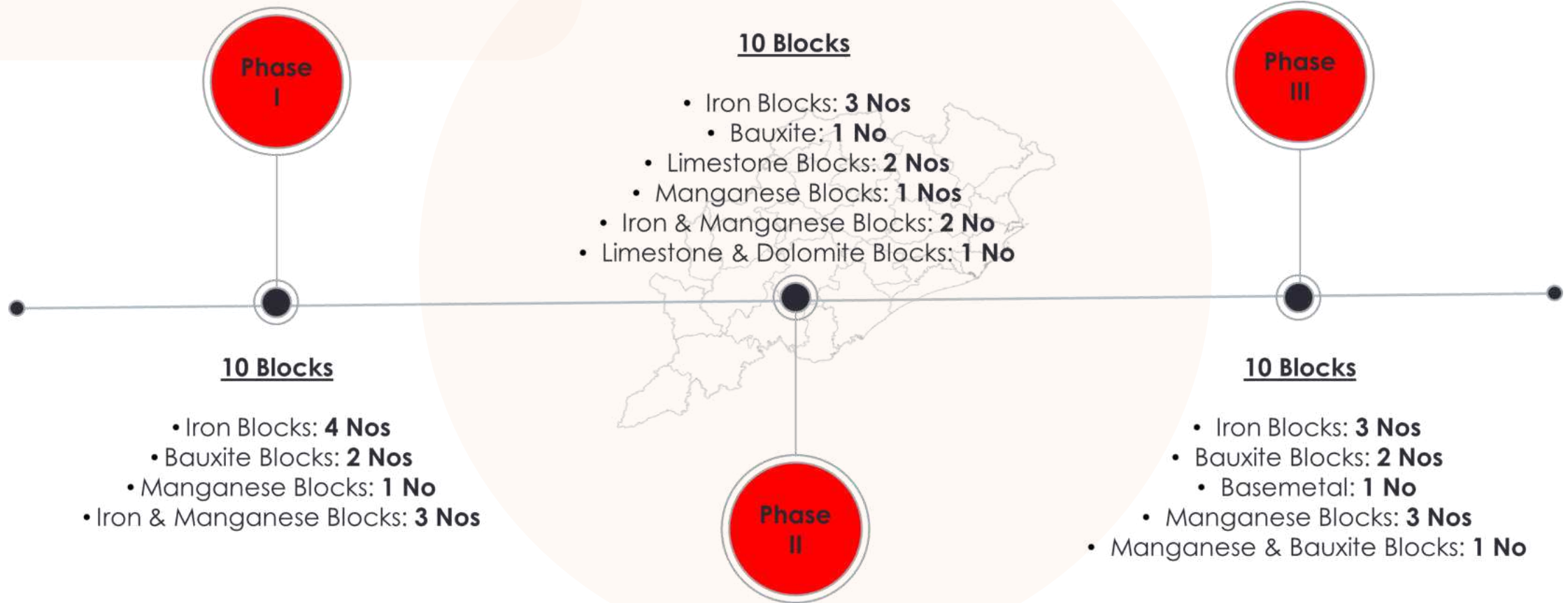
Operationalisation of Auctioned Blocks

Blocks already operational

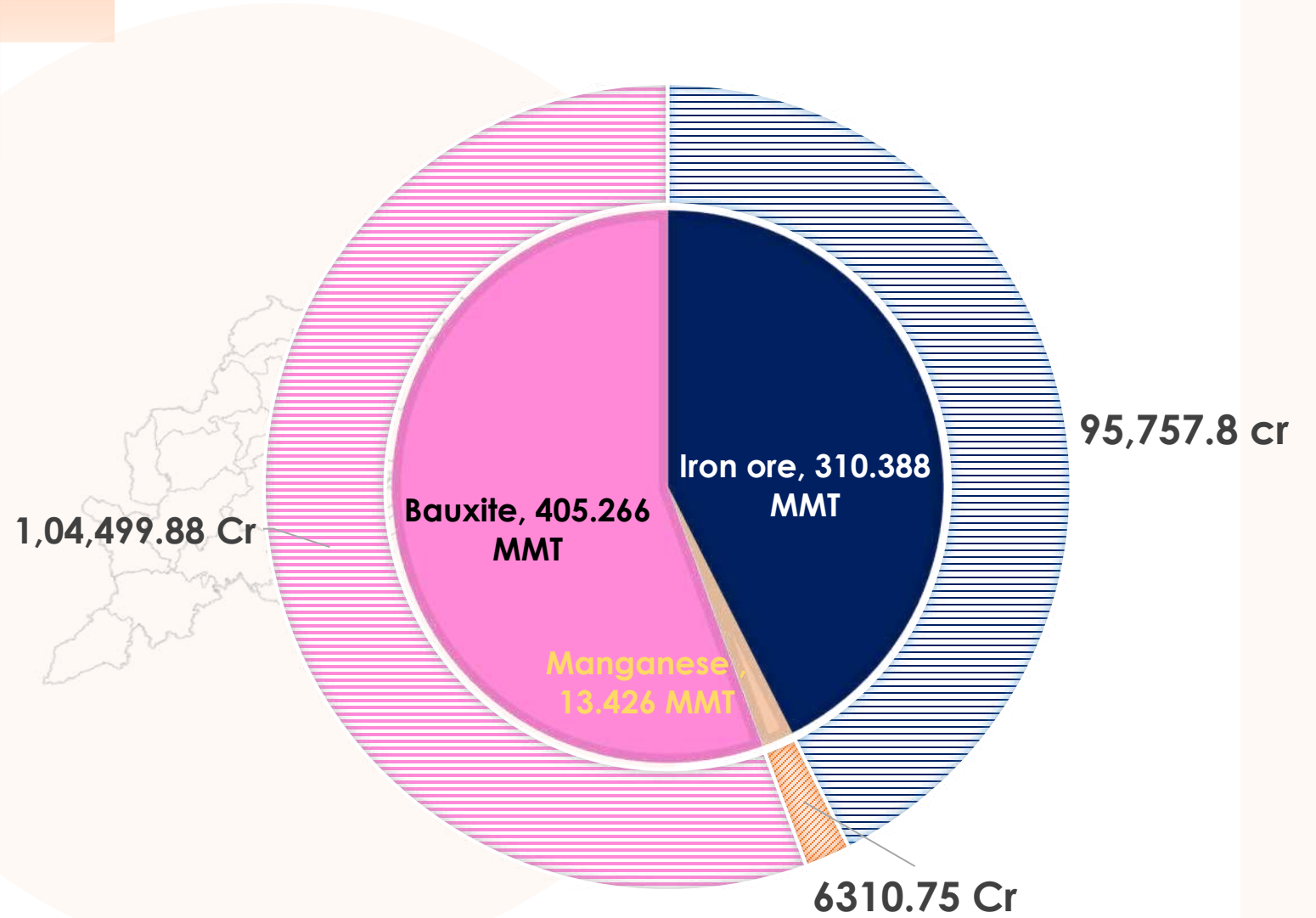
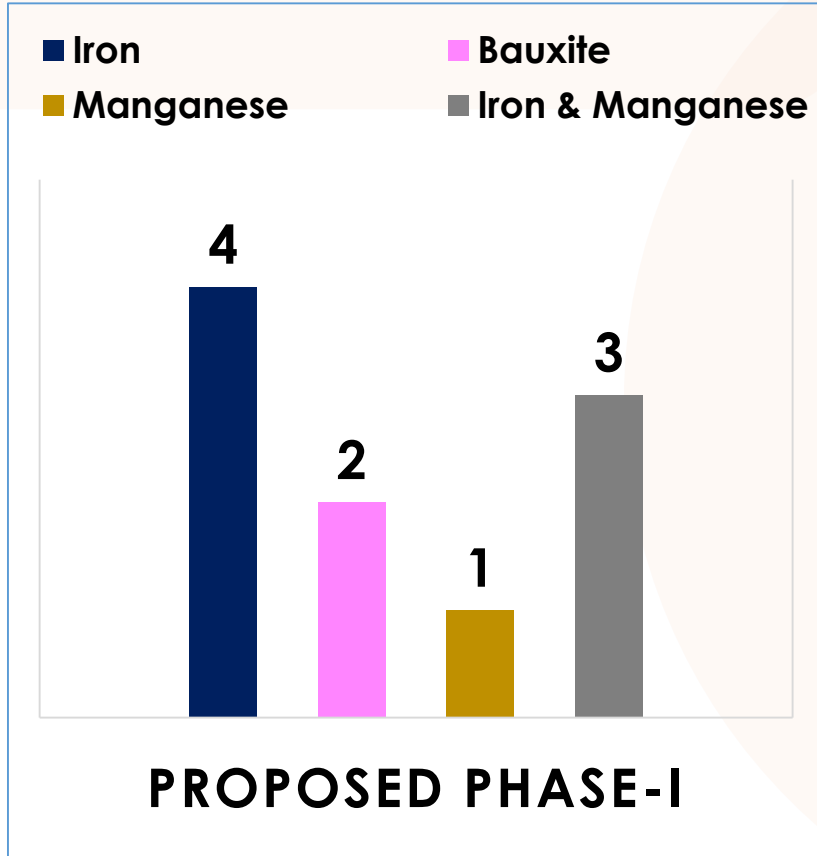
Blocks yet to be operational



Future auction roadmap



Phase-J Proposal



Institutional framework for auction



Institution

Directorate of Mines & Geology, MECL, GSI & OMC	<ul style="list-style-type: none"> ▪ Exploration of identified blocks, establishing the Mineral Content and preparation of GRs
Technical Committee	<ul style="list-style-type: none"> ▪ Chairman – Director of Mines & Geology ▪ Verification & review of GRs, feasibility study of Mineral Blocks for auctions
Technical Evaluation Committee (TEC)	<ul style="list-style-type: none"> ▪ Chairman – Secretary, Steel & Mines Department ▪ Technical Scrutiny of auction proposals and placing before HLC
High Level Committee (HLC)	<ul style="list-style-type: none"> ▪ Chairman – Development Commissioner ▪ Approval of auction proposals and recommendation for Government order.
M/s SBI Caps	<ul style="list-style-type: none"> ▪ Transaction advisory services
MSTC Limited	<ul style="list-style-type: none"> ▪ Electronic platform services for conducting auctions
Nodal Officer (Additional Secretary rank)	<ul style="list-style-type: none"> ▪ Designated by the Steel & Mines Department ▪ Issuance of vesting orders to the preferred bidders of brownfield projects
<i>Dedicated Forest Facilitation Cell (FFC)</i>	<ul style="list-style-type: none"> ▪ <i>Headed by DFO – established within the Directorate of Mines</i> ▪ <i>Facilitates obtaining pre-embedded Clearances</i>

Responsibility



Best Practices of Odisha in Mineral Administration

ACTS & POLICY



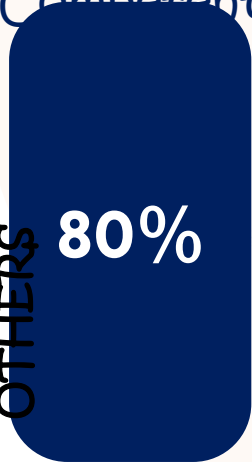
OMPR Rules, 2007

- The State has enacted the Orissa Minerals (Prevention of Theft, Smuggling & Illegal Mining and Regulation of Possession, Storage, Trading and Transportation) Rules, 2007 with a long term vision of end-to-end mineral administration that entails to
 - Online permit system
 - Online payment followed by receipt confirmation
 - Monitoring of day-to-day mineral transaction through onboarding all the stakeholders involved
 - Fixation of accountability of lessees and licensees for both inside and outside State
 - Assignment of Competent Authority & fixation of responsibility and others

Long term linkage Policy



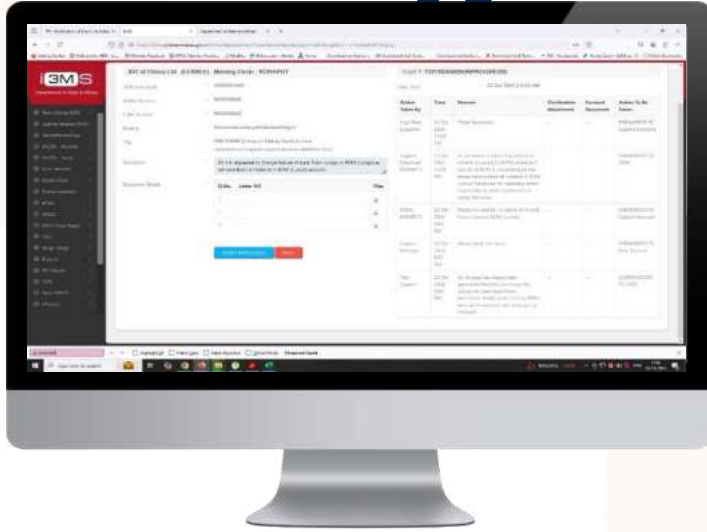
IRON-CHROMITE-
BAUXITE-LIMESTONE-
OTHERS



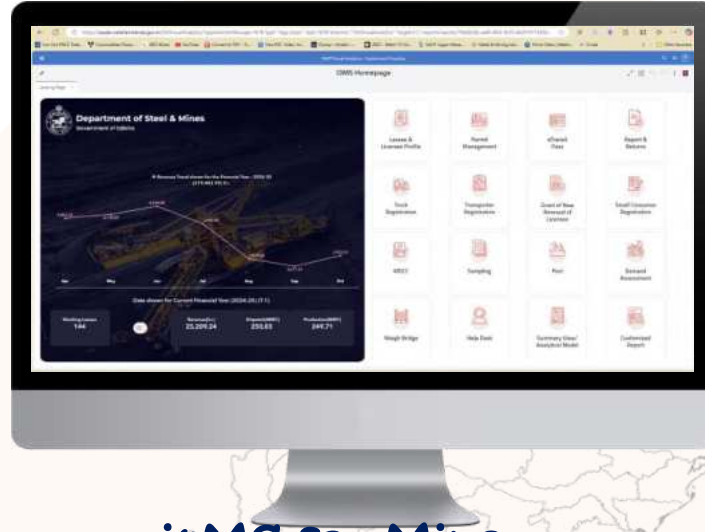
- Through **Long Term Linkage** on discovered price from auction
 - 5 Year plan with annual review
 - Eligible: State based end use plant (Existing & Proposed)
 - Allotment Committee: Secretary (Steel & Mines Dept)
Secretary (Industries Dept)
DoMG
MD, IPICQ
MD, OMC
- Through **National auction** for price discovery
 - End Users participation is encouraged
 - Traders are discouraged for 1st instance allotment

DIGITALISATION

N



i3MIS for Major



i4MIS for Minor Mineral



SAS analytics for data analysis

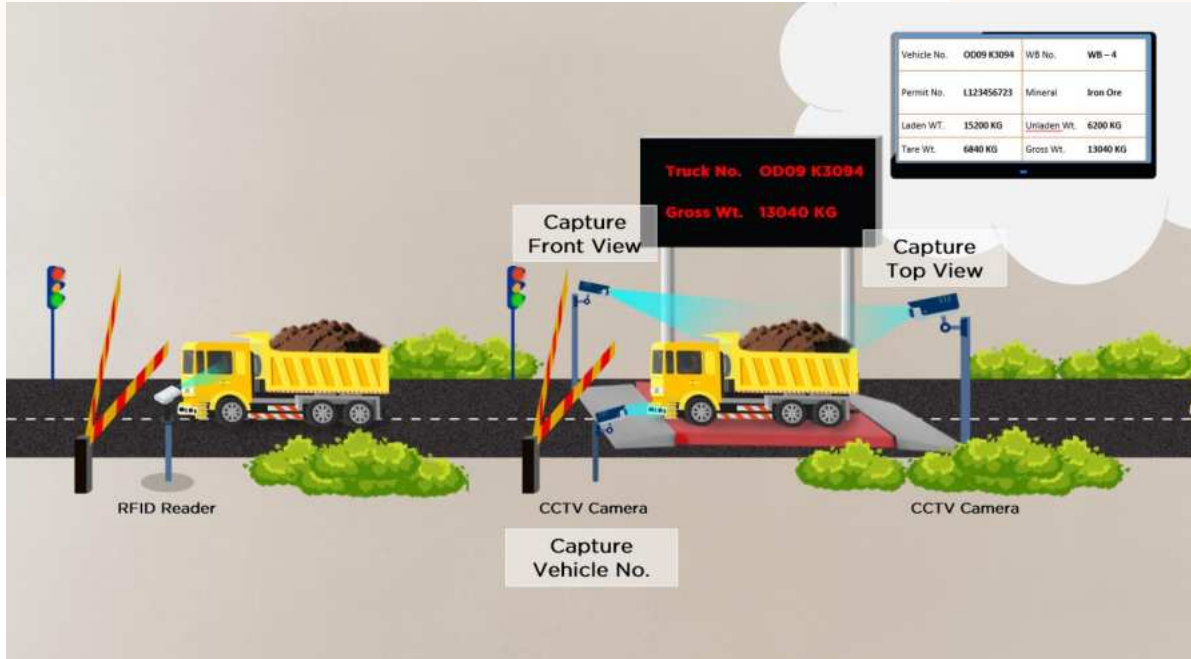
Centralized automated system to track and monitor the activities in respect of major & minor mineral sources in an effective and efficient manner

- Centrally Managed Mineral Accounting & Lifecycle Management System.
- Monitoring of Operations and Regulatory Enforcement.
- Compliant with Central & State Mining laws.
- MIS and analytics reports for informed decision making



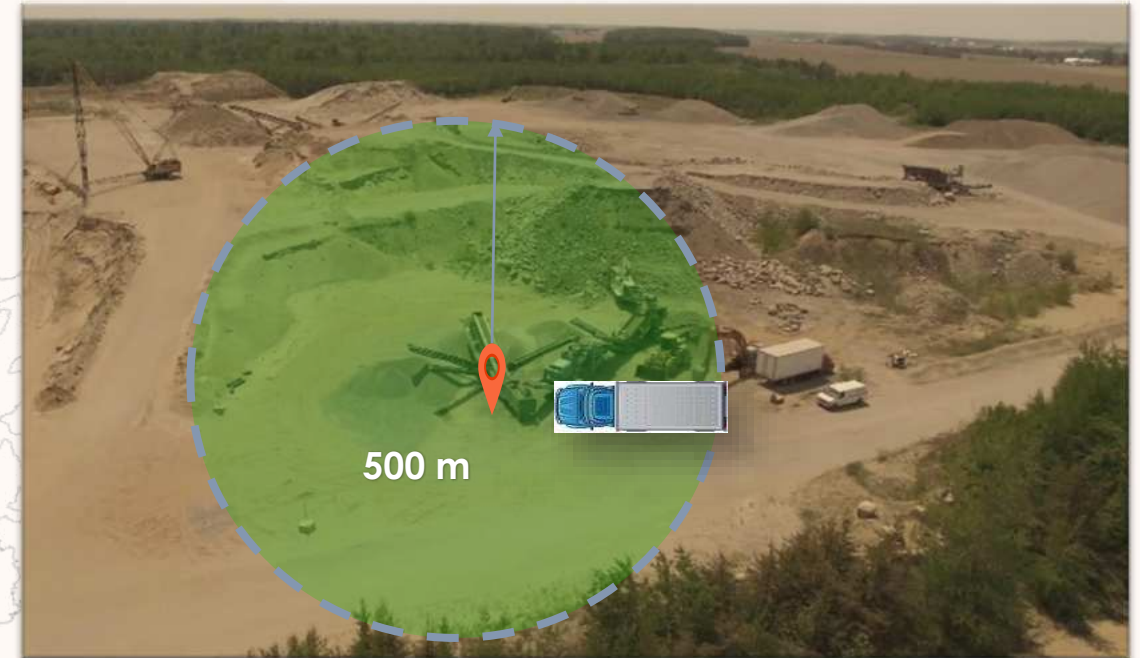
DIGITALISATION

N



Check Gate Automation

The State has developed the man less weighbridge concepts for Govt. Check posts and the Proof of Concept has been tested in OMC mine. Shortly, the technology will be implemented throughout the Govt. check posts of the State



Vehicle Tracking System

The State has adopted the real time vehicle Tracking System which is mandatory for mineral loading in the mines to monitor the real time location of mineral carrying vehicles.

LAB INFRASTRUCTURE



Hi-Tech Lab at
Bhubaneswar



The Directorate has high-tech lab equipment, including as XRF and XRD at headquarters. It ranges testing of sample for various minerals and as on today the Directorate is self-reliant in conducting the inhouse testing for a wide range of minerals.

Randomization Unit at Joda
Laboratory



Each sample tray is given a unique code, and the sample that is taken as part of the preliminary procedure prior to lab testing is randomly selected. In order to track the mineral's origin and prevent general human meddling from tampering with the grade, it stops the flow

ENFORCEMENT



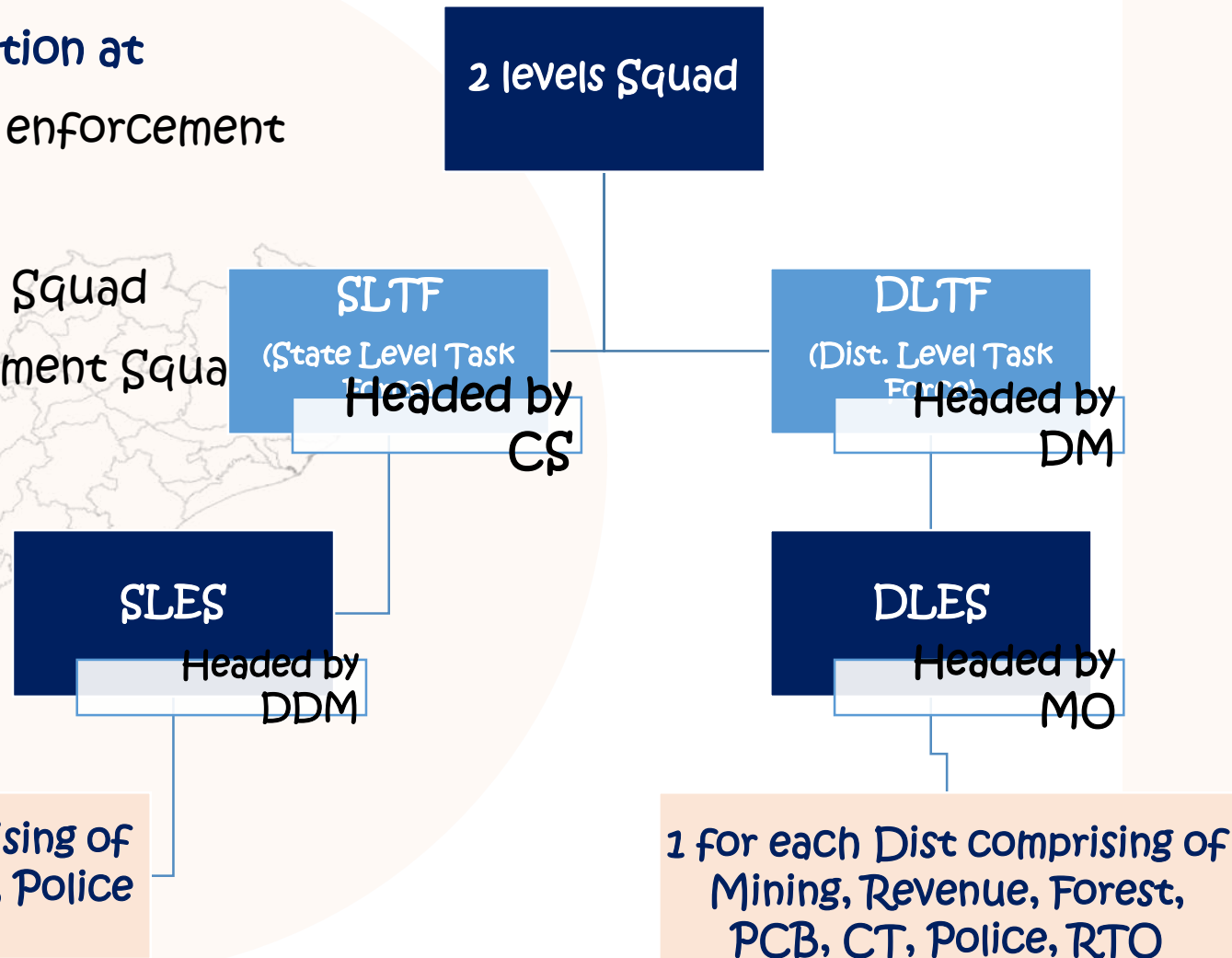
For vigilant monitoring of mineral administration at ground the State has initiated two layers of enforcement squads such as

- State level- State Level Enforcement Squad
- District level- District Level Enforcement Squad

Tech intelligence to

- Checking of genuiness of TP- "EP-Squad" mobile app developed by the State Govt.
- SAS analytics

3 teams comprising of Mining, Forest, Police



Conceptualisation of Zero Waste Mining



Available in dump

Possible usage

Hexavalent Chromium (Cr⁶⁺)

Paint, Dye, Electroplating etc

Pyroxenite

Dunite

Peridotite

Serpentinite

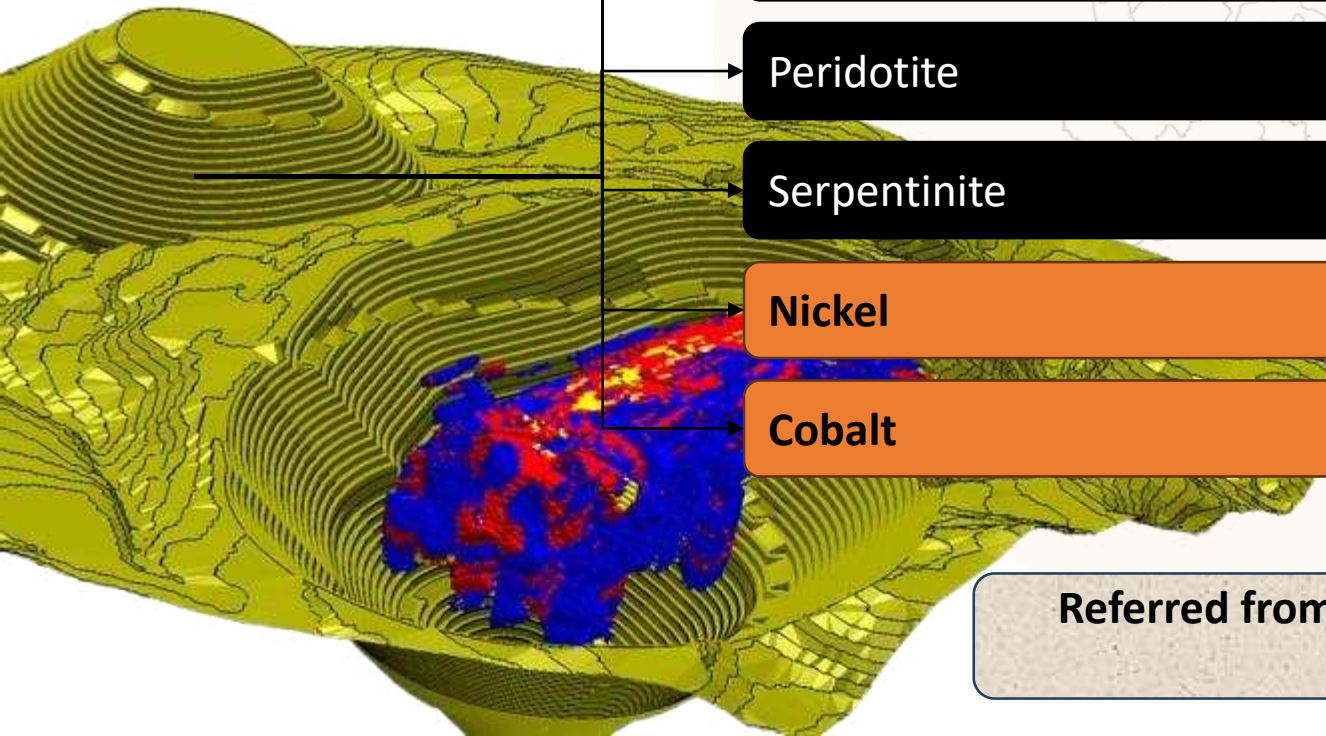
Various industrial usage such as decorative use, cement manufacturing, fluxing agent in steel making & many more

Nickel

Cobalt

0.8% availability @0.2% cut off & coming under critical mineral

Referred from a Study of GSI, OMC and DoMG on Chromite dump of Sukinda Valley





Thank You!





DMF, ODISHA

BEST PRACTICES



3rd Edition of National Mining Ministers' Conference, Konark, Odisha
21st January, 2025

STATUS OF DMF IN ODISHA

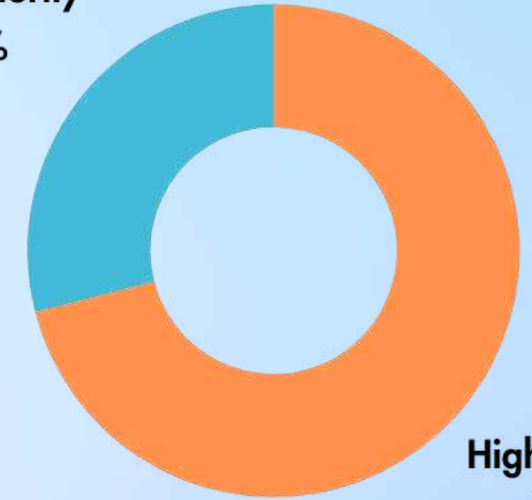
- District mineral foundations established in all 30 Districts.
- Trusts constituted in all Districts.
- State DMF Rules framed in line with PMKKKY Guidelines.
- Incorporation of revised PMKKKY Guidelines 2024 in the DMF Rules is under process.
- Till November 2024, DMF collection, allocation & spending are Rs 29763.72, Rs. 26597.09, Rs. 17006.42 (in crore) respectively.
- Fund allocation for admissible projects stands at 89.36 % of progressive collection. Fund utilization is 57.14 % of progressive collection.



GOOD GOVERNANCE

- The Allocation for high priority & other priority activities is in the ratio of 71:29.
- No DMF fund has ever been transferred to the State Exchequer.
- Performance Audit by C&AG taken up in Jajpur, Sundergarh and Dhenkanal. Keonjhar, Mayurbhanj & Nabarangpur will also be covered.
- Concurrent Evaluation by Third Party is completed in Keonjhar & Sundergarh. Angul, Jajpur & Jharsuguda are next in the line.
- DMF Portal is operational and is to be transactional to facilitate real time monitoring.

Other Priority
29%



High Priority
71%



DMF: Best Practices



Creche in Keonjhar

Crèche: Transforming Childhood and Supporting Mothers in Mining Areas.



Tasar Cultivation

Tasar cultivation in Keonjhar weaving hopes through forest based livelihood. 11 lakh Tasar host trees in over 1500 acres.



Irrigation

Mega Lift Irrigation benefitting more than 3800 farmers in Sukinda of Jajpur covering ayacut area of 4400 ha.



Job Readiness

Skilling youth in Sundergarh.



Millet Mission

Covered 2200 ha. with more than 4500 beneficiaries



DMF Poshak

Eggs on all school days under Mid-Day-Meal programme in 2870 schools of Keonjhar

DMF: Best Practices



Scholarship

Encourage academic excellence and foster a culture of learning amongst students under DMF-HSC-OAV Scholarship



Agriculture Production Cluster

Vegetable cultivation in Keonjhar sustaining livelihood .



Turmeric

Turmeric cultivation in Koraput boosting livelihood



Matrujyoti

Ensuring safe motherhood; reducing mother and child mortality benefitting more than 1.26 lakh expecting mothers



Connecting the unconnected

Road and bridge connection to the unconnected remote areas and hamlets



Digital Dispensary

8 digital dispensaries serves more than 1 lakh patients in remote areas of Keonjhar



Government of Odisha

THANK
YOU



PLANNING & CONVERGENCE
DEPARTMENT



Government of Karnataka

Presentation by Department of Mines and Geology On Auction, Best Practices and DMF National Mining Ministers' Conclave

January 21, 2025 @ Odisha

Department of Mines & Geology
49, Khanija Bhavan, Race Course Road, Bengaluru-560001.
Phone: +91 080 22384134-35
e-mail: dir-mines@karnataka.gov.in, dirmines@gmail.com
website: <https://karunadu.karnataka.gov.in/dmg>

Status of Auction of mineral blocks

Sl. No	Mineral	No of blocks successfully auctioned			No of blocks ML/CL deed executed			No of blocks under operation		
		ML	CL	Total	ML	CL	Total	ML	CL	Total
1	Iron Ore	29	-	29	20	-	20	13	-	13
2	Limestone	7	3	10	-	3	3	-	3	3
3	Gold	-	7	7	-	2	2	-	2	2
4	Bauxite	-	3	3	-	-	-	-	-	-
Total		36	13	49	20	5	25	13	05	18

3

The State of Karnataka has issued NIT for the auction of following blocks:

SI No	Mineral	Grant of ML/CL*	No of Blocks	Date of issue of NIT	Remarks
1	Iron Ore	ML	09	03.10.2024	Auction is under process.
2	Iron Ore	ML	01 (Expired)	07.10.2024	

*ML-Mining Lease CL-Composite License

1. Auction by States and best practices

4

Constitution of State Empowered Committee:

To enhance the iron ore production in the State and to auction more mineral blocks the State Government vide order No. CI 03 MMM 2018 Bengaluru dated: 17.01.2018 has constituted a Committee under the Chairmanship of Chief Secretary to Government of Karnataka consisting of 7 members to take decisions as may be needed for the Identification, Exploration and Auctioning of mineral blocks in Karnataka. The members of the committee are hereunder:

Sl. No	Designation	Members of the Committee
1	Chief Secretary to Government of Karnataka	Chairperson
2	Additional Chief Secretary to Government, Commerce and Industries Department	Member
3	Principal Secretary to Government, Forest, Ecology and Environment Department	Member
4	Secretary to Government (B&R), Finance Department	Member
5	Secretary to Government, Law Department	Member
6	Secretary to Government, Commerce and Industries Department	Member Convener
7	Member Secretary, Karnataka State Pollution Control Board	Member
8	Director, Department of Mines and Geology	Member

Single Window Committee:

5

Government of Karnataka has constituted Single Window Committee to resolve the forest issues in getting Forest Clearances for the auctioned mineral blocks, exploration blocks and other existing mining leases. Committee members are as hereunder:

Sl. No	Designation	Members of the Committee
1	Additional Chief Secretary to Government, Forest, Ecology and Environment Department	Chairperson
2	Principal Secretary to Government, Revenue Department	Member
3	Principal Secretary to Government (Forest), Forest, Ecology and Environment Department	Member
4	Principal Secretary to Government (Ecology and Environment), Forest, Ecology and Environment Department	Member
5	Principal Secretary to Government (MSME and Mines), Commerce and Industries Department,	Member
6	Principal Chief Conservator of Forest (Forest Head), Forest Department	Member
7	Principal Chief Conservator of Forest (Forest Conservation), Forest Department	Member Secretary
8	Member Secretary, Karnataka State Pollution Control Board	Member
9	Deputy Director General, Regional Office, MoEF	Member
10	Director, Department of Mines and Geology	Member
11	Concerned Districts Deputy Conservator of Forest	

Roles of Single Window Committee:

- The committee shall meet once in two months.
- The member secretary shall obtain the details of the forest clearance proposals pending in the various stages in State Government and take steps to conduct the meeting under the chairmanship of the Additional Chief Secretary to the Government.
- Delays in issuing forest clearances shall be taken seriously, and immediate measures shall be taken to resolve the issues to obtain forest clearances in timely manner.

Implementation of One State One GPS

7

One State One GPS is a comprehensive GPS Vehicle Tracking solution designed to enhance the efficiency, transparency, and management of mineral transportation across a state.

Solutions

- ❑ **Live Tracking & History Tracking:** Monitor vehicles in real time and access historical route data to analyze past movements, enabling effective route optimization and incident analysis.
- ❑ **Real-Time Stock & Mineral Management:** Ensure the secure transportation of mineral by tracking their movement in real time and receiving alerts for any deviations.
- ❑ **Geo-Fence:** Define virtual boundaries of Mining Lease area and Mineral based industries on the map, receive instant notifications when vehicles cross these boundaries without Mineral Dispatch Permit.

- ❑ **ILMS Integration:** Seamlessly integrate with the Integrated Lease Management System (ILMS) to access Mineral Supply, Vehicle, and Permit details, ensuring that only GPS-enabled vehicles are issued a Mineral Dispatch Permit (MDP).
- ❑ **Reports & Alerts:** Generate comprehensive reports on
 - ❑ Unauthorized stockyard Entry/Exit (Without MDP Trips)
 - ❑ Destination reached/ Not Reached report
 - ❑ Main Power off Alerts (GPS Disconnection)
 - ❑ Activity Report.
- **Total Vehicles registered:** 57,000
- **Total Penalty collected:** 6.5 Crores
- ❑ Artificial Intelligence (AI) based e-check post are being established to stop illegal transportation of minerals in the state.
- ❑ Vehicles involved in mineral transportation will be monitored using ANPR cameras, RFID readers, and Laser camera to measure the quantity of mineral being transported.
- ❑ As a pilot project, work has already started to install e-check post at 4 places on an important route for mineral transportation.



View of OSOG Control room

Summary of State DMFT's

10

SI No	Summary	Amount (In Cr)	No Of Projects
1	Collections	5389	-
2	Allocations	4094	-
3	Spending	2218	-
4	Project Sanctioned	-	13053
5	Project Completed	-	6567
6	Ongoing Project	-	2651



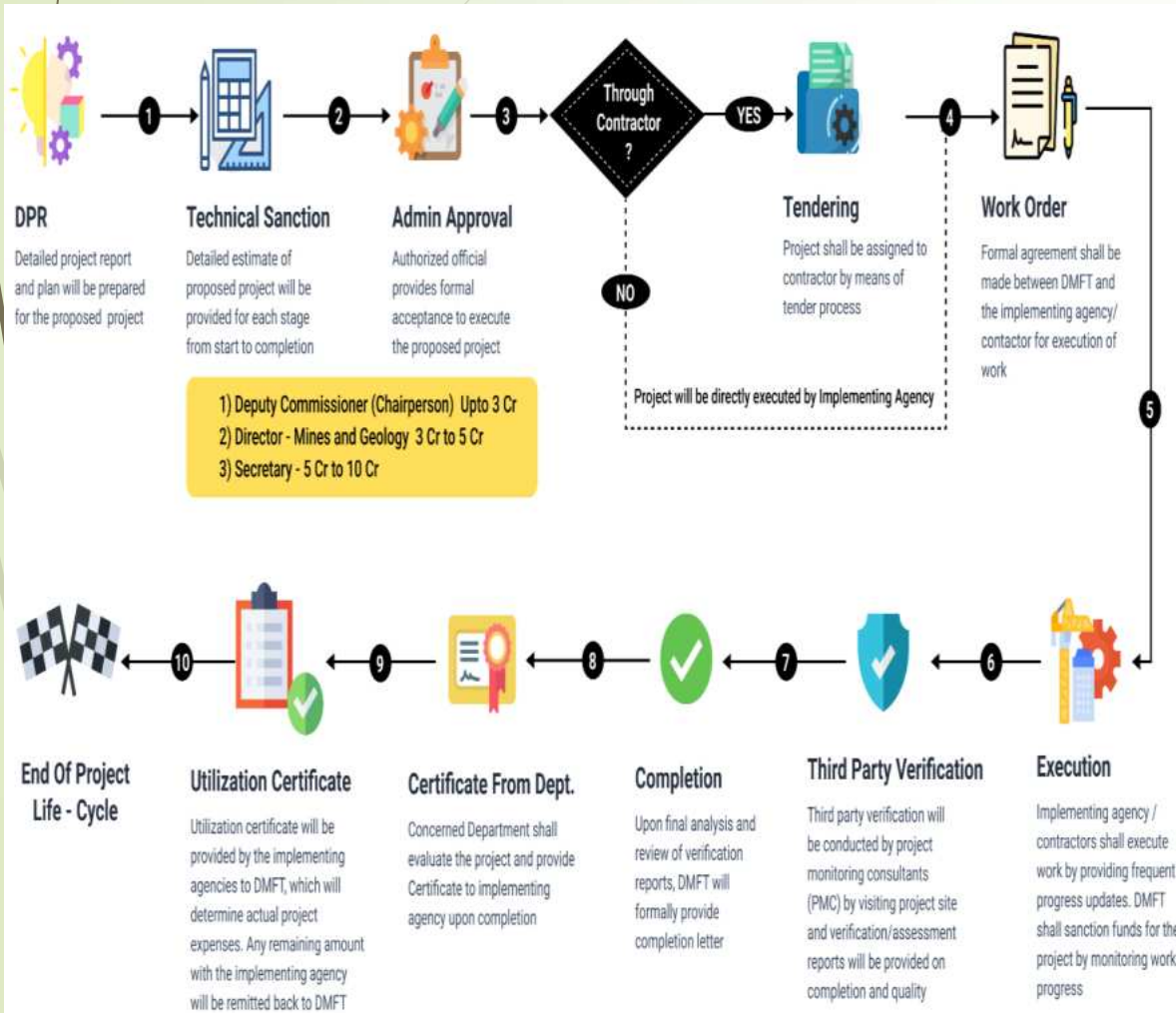
Karnataka State has developed dedicated centralised website for DMFT.

- ❑ This website has State wide information and District wise information on DMFT fund collection, project information, utilisation of funds etc., for general public on real time basis.
- ❑ sector wise and district wise information can also be accessed in this single platform
- ❑ The respective district webpage is also hosted in district webpage of NIC and can also be accessed from State webpage by just clicking on the map.
- ❑ Provision for raising the grievance for general public and its status tracking is also provided in this webpage
- ❑ This webpage can be accessed through <https://dmft.karnataka.gov.in>

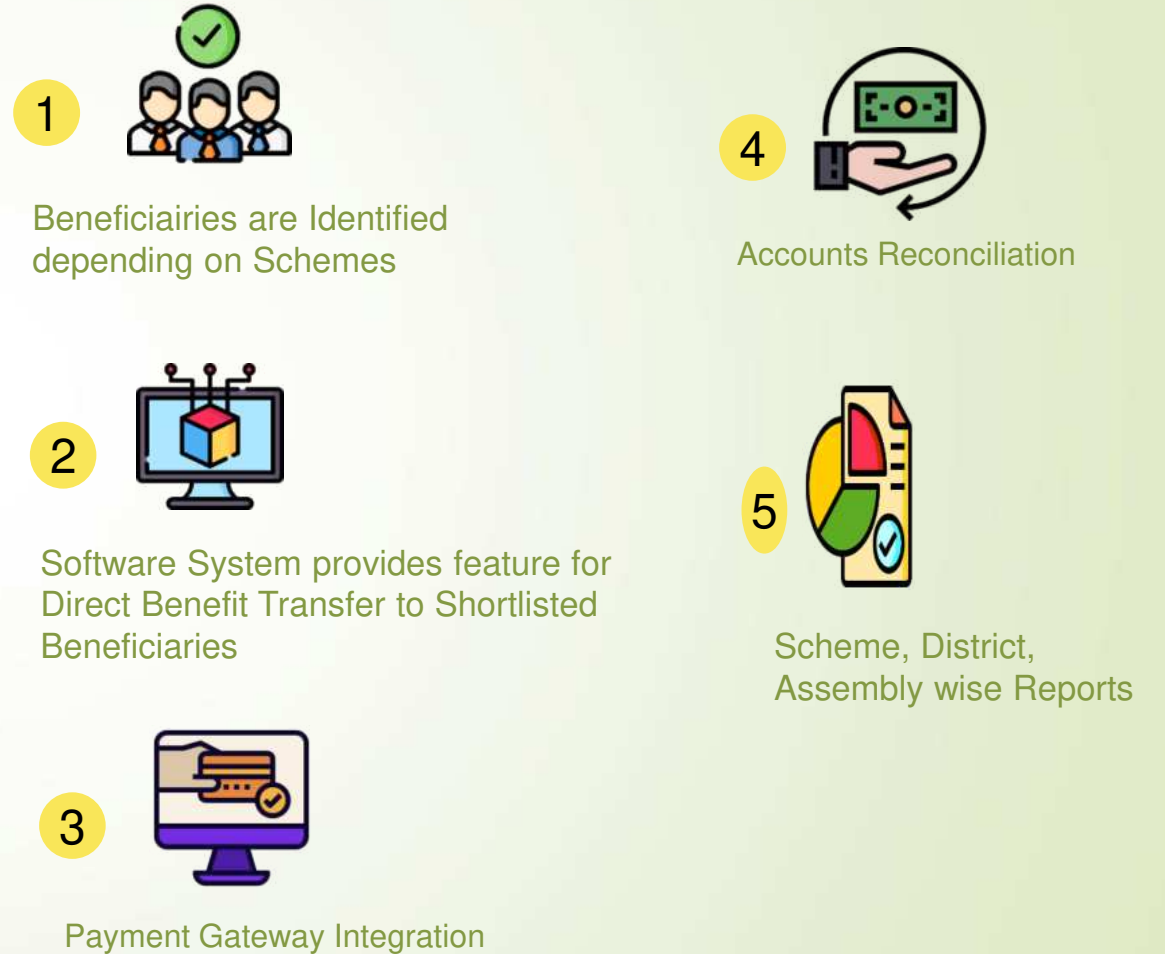
The screenshot displays the homepage of the District Mineral Foundation Trust (DMFT) website. The header includes the DMFT logo, the Government of Karnataka emblem, and contact information for Shri. Siddaramaiah, the Hon'ble Chief Minister. The main navigation menu lists various sections: Home, About DMFT, PMKKKY, Sectors, Districts, Fund Collection, Grievance, Downloads, and Contact Us. The central banner features a large 'FUND COLLECTION' section with three data points: Total collection of ₹ 4404.36 Cr, Major Mineral of ₹ 3772.71 Cr, and Minor Mineral of ₹ 631.66 Cr. To the right, a 'PROJECTS' section shows 12138 Projects under PMKKKY, 5058 Completed Projects, and a Total amount Spent of ₹ 1246.54 Cr. Below these statistics, a row of icons represents various project categories: Drinking Water supply, Environment preservation and pollution control, Health Care, Education, Welfare of Women & Children, Welfare of aged and disabled people, Skill Development, Sanitation, Physical infrastructure, Irrigation, Energy and Watershed Development, and Any other measures for enhancing environmental quality in mining district. A COVID-19 icon is also present, labeled 'Combating Covid-19'.

DMFT portal utilized for end-to-end project management and DBT to all beneficiaries under DMF projects

DMFT Project Management lifecycle

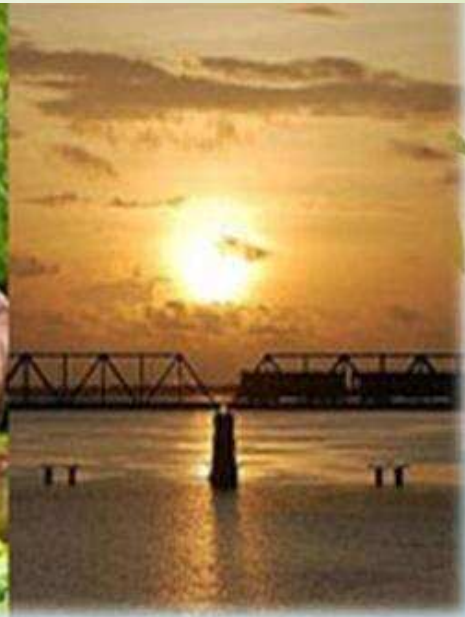


Direct Benefit transfer to all beneficiaries





THANK YOU



MINERAL AUCTION, STATE BEST PRACTICES



**DIRECTORATE OF GEOLOGY AND MINING
GOVERNMENT OF MAHARASHTRA**

Introduction : Advent of Auction regime - A new era of Good governance

- The *Mines and Minerals (Development and Regulation) Act, 1957 (MMDR Act)* is the principal legislation governing the onshore mining sector in India. The act was later amended in 2015, 2016, and 2023.
- Before the 2015 amendments, the allotment of mining leases was primarily managed by state authorities typically through a **direct allotment** process
- To address the issues of transparency, environmental management, ensure fair compensation and rehabilitation for affected communities, amendment to MMDR act was passed on 26th March 2015, which brought in the auction regime.
- Maharashtra, is one of the **Pioneer State** to champion this change from front by setting an example and launched its first auction via NIT dated 19th November 2015.
- Till date, Maharashtra has conducted **13 phases** of auction of major mineral blocks.

Major Mineral Blocks Auctioned in Maharashtra : Path so far

- After the commencement of MMDR Act, 2015 so far our State has auctioned 40 mineral blocks in XIII phases and stands at 5th position in Mineral Block Auctions in the Country. These 40 blocks consist 22 Mining Lease (ML) & 18 Composite Licence (CL) blocks.
- The State has auctioned 40 mineral blocks so far in XIII phases (Iron Ore-12, Manganese-6, Bauxite-8, Limestone-8, Copper & Graphite-5, Kyanite-1).
- DGM Maharashtra has received **Rastriya Khanij Vikas Puraskar** on June 2022 for combined performance of two years 2019-20 and 2020-2021 for taking initiative in exploration, auction and operationalisation of mines in the state

Sr. No.	Auction Particulars	No. of Blocks
1.	Successfully Auctioned blocks (ML22 and CL-18) (Phase-I to XIII)	40
2.	Proposed blocks for upcoming 14 th phase of Auction (ML 07 and CL 12)	19
3.	Proposed blocks for upcoming 15 th phase of Auction (CL 09)	9

State best practices in Mining

1. Auction of Minor Mineral Blocks:

- Conducted in Maharashtra for disposal of minor minerals by way of public auction.
- Maharashtra Minor Mineral Extraction (Development And regulation) Rules 2013 framed for minor mineral by Revenue Department of State



2. Mahakhanij System:

- **Web-based solution** by the **Department of Revenue and Forest, Government of Maharashtra.**
- Focuses on **combating illegal mining** and **transportation of minor minerals.**
- Manages a **comprehensive mineral database**, tracks **lease periods, renewals, payment processes, and recovery procedures.**
- Ensures **transparency** and **efficient mineral resource management.**
- Regular drone surveys are conducted to inspect illegal mining activities and to perform general inspections of sand ghats. and track and manage mining operations for minor minerals.
- **Vehicle Tracking Management System –**
 - GPS devices are installed on mineral-carrying vehicles.
 - Live vehicle tracking is enabled for real-time monitoring.
 - Detects double trips on a single e-Tp (electronic transportation pass).
 - Aims to prevent illegal extraction and transportation of minerals.



GPS Enabled Vehicle Tracking System



Continued...

- **Drone Survey for Quarries and Sand Mines:**

- **Regular drone surveys** are conducted to inspect **illegal mining activities** and monitor **sand ghats**.
- These surveys are integrated with the **Mahakhanij system** for centralized monitoring.
- In **2024**, a total of **190 drone surveys** were conducted.

- **Sand Mine Portal:**

- **Sand**, classified as a **minor mineral**, falls under the jurisdiction of the **Revenue and Forest Departments**.
- The **Revenue Department of Maharashtra** operates the **Mahakhanij Portal**.
- The portal manages concessions for **sand, murrum, stone**, and other **minor minerals**.

- **E-Check Gate Implementation:**

- **E-Check gates** enable **real-time monitoring** of **mineral transportation**.
- Integrated with the **Mahakhanij system** for seamless tracking.
- **Field officers** can perform **e-TP (Electronic Transit Pass) validation** during inspections



3. Mahageomin System:

- Designed to create a **master plan** for all **major mineral mining leases** in Maharashtra.
- Facilitates **monitoring of mining activities** and provides access to **geological data, mineral locations, and lease details**.
- Integrated with the **Mining Surveillance System (MSS)** for effective **control over illegal mining**.
- Geospatial Lab has been established under the guidance of **Maharashtra Remote Sensing Application Centre (MRSAC)**.
- Equipped for **monitoring mining activities** using advanced geospatial technologies.
- Enhances **data accuracy** and ensures **better regulatory compliance**.



Mineral Administration & Governance using ICT



4. Integrated Lease Management System (ILMS):

1. Provides DGM single interface to manage the complete life cycle of the lease management process
i.e. reconciliation of products dispatch and royalty with respect to the mines allotted on lease by the govt., the process of issuing royalty pass to the lease-holders and its actual utilization when excavating the minerals.
2. Used by stakeholders and DGM at various levels for integration.
3. Ensures transparency, accuracy, and efficiency in royalty collection.
4. Developed and maintained by ILMS. Allows lease holders to generate Royalty Pass online after royalty deduction from Bulk Permit.



5. Exploration & Mines Development

- **Digitization of Exploration Data:**

- All 358 geological reports have been scanned and digitized.
- Data to be uploaded on the **NGDR portal**.
- Use of digital platforms like **Bukosh** for better tracking and monitoring.

- **Collaboration with PSUs:**

- Strategic partnership with **Geological Survey of India (GSI)** for exploration projects.
- This collaboration focuses on exploration-related deep seated and critical minerals



Overview of DMF In Maharashtra (October 2024)

Total Amount Collected

- ▶ INR 6023.11 Crores

Number of Other Projects/Schemes Sanctioned

- ▶ Total 23,036 Projects Sanctioned

Amount Allocated

- ▶ INR 4,352.22 Crores

Overview of DMF Approval wrt Sectors In Maharashtra (October 2024)

S.No.	Sector	No. of Projects	Amount Allocated	Amount Spent
(A)	High Priority			
i.	Drinking water supply	3135	358.8082	210.34
ii.	Environment preservation and pollution control measures	533	113.2924	68.6023
iii.	Health care	1502	1,002.545	645.7593
iv.	Education	5,479	543.779	198.0825
v.	Welfare of Women and Children	1,204	89.4522	66.981
vi.	Welfare of aged and disabled people	1,105	40.9952	18.9252
vii.	Skill development	886	402.96	219.59
viii.	Sanitation	477	54.3182	37.3426
(B)	Other Priority			
i.	Physical infrastructure	7,211	1,362.8878	715.5536
ii.	Irrigation	648	149.8531	96.8915
iii.	Energy and Watershed Development	736	81.4501	38.705
iv.	Any other measures for enhancing environmental quality	93	57.9963	32.626
(C)	Others(5%)	24	54.3834	48.7134
	Total	23,036	4,352.2309	2,434.8324

Successful Impactful Projects Undertaken under DMF Maharashtra

Carpet Production Unit under DMF Chandrapur, Maharashtra



- 240 Female Beneficiaries (till Dec 2024)
- INR 13.55 Crores Amount Sanctioned

- ~INR 56 Lakhs income generated every year (since last 3 years) by female beneficiaries

Successful Impactful Projects Undertaken under DMF Maharashtra

Center for Invention, Innovation, Incubation at Government College of Engineering Chandrapur under DMF Chandrapur, Maharashtra



- Total 3,737 beneficiaries from CIIT courses (till Dec 2024)
- 645 students employed
- INR 40.19 Crores Amount Sanctioned

- Joint Collaboration between Government College of Engineering (GCOEC) Chandrapur and, Tata Technologies Limited (TTL)

Successful Impactful Projects Undertaken under DMF Maharashtra

Hospital (Mobile Health Van) at your Doorstep under DMF Nagpur, Maharashtra



- INR 9.42 Crores Sanctioned



- ~ 2,00,000 Beneficiaries availed health services



Distribution of Electric Tricycles under DMF Nagpur, Maharashtra



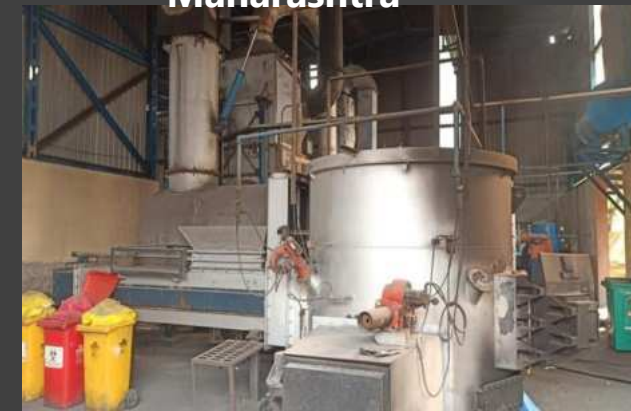
- INR 3.24 Crores Sanctioned
- 810 Beneficiaries

Primary Health Care Center, Nanda Village, Korpana, under DMF Chandrapur, Maharashtra



- INR 8.99 Crores Sanctioned
- Daily 150 to 160 Patients avail healthcare services
- ~ 19,120 Beneficiaries

Installation of Biomedical Waste Disposal Machines in 53 PHCs under DMF Nagpur, Maharashtra



- INR 0.19 Crores Sanctioned

Social Project Implementation Under District Mineral Foundation

- **DMF Portal:**

- A **DMF portal** has been developed at the **district level in Nagpur**.
- The portal facilitates **monitoring and management** of DMF-funded projects.

- **Healthcare Projects under DMF (Statewide Overview):**

- *Total number of healthcare projects: 1,255*
- *Completed projects: 685*
- *Total amount allocated: ₹854.77 crores*
- *Amount spent on healthcare services: ₹596.22 crores*

- **Case Study: Project under DMF Nagpur District – “Hospital at Your Doorstep” Initiative:**

- Objective: Provide **integrated and comprehensive primary healthcare services** across **13 talukas of Nagpur district**.
- Implemented under the **Pradhan Mantri Krishi Kalyan Yojana (PMKKY)**.
- Operates under the guidance of the **District Health Officers and Zilla Parishad, Nagpur**.
- Under the said campaign, door-to-door health check-up is being done using **26 mobile ambulances**.
- Till date, more than **4 lakh people** got benefitted through **6746 village health camps**.
- Improve **healthcare accessibility** for **vulnerable groups**, especially **women and children**.
- Enhances **rural healthcare infrastructure** and **health outcomes**.



- **Project under DMF – Chandrapur District: Empowering Rural Women through Carpet Manufacturing**

- **Project Sanctioned Amount:** ₹13 Crore
- **Implementing Agency:** Mahila Arthik Vikas Mahamandal, Chandrapur
- Empowering rural women through innovative skill training in carpet manufacturing
- **Target:** Over 800 rural women in Chandrapur district in the next few years
- **Unique Aspect:** Training in skills not available locally or geographically
- **Impact:** New avenues of employment for rural women and Supporting livelihoods and supplementing income sources



- **Project under DMF – Chandrapur District: Empowering Engineering Students for Job Market Success**

- **Project Sanctioned Amount:** ₹40.91 Crore
- **Implementing Agency:** CIIT Chandrapur (Center for Invention, Innovation, Incubation, and Training)
- **Collaborative Partners:** Government College of Engineering Chandrapur (GCOEC), Tata Technologies Limited (TTL), Collector of Chandrapur District
- **Focus:** Enhancing employability of engineering students from tribal and backward areas of Chandrapur and Gadchiroli districts

Mine closure, Waste management Reclamation and rehabilitation

- **Dumping of Overburden and Waste Outside the Lease Area for Minor Minerals:**
 - **Permission for Disposal of Overburden and Waste Outside Lease Area:**
 - **Regulation Reference:** Maharashtra Minor Mineral Extraction (Development and Regulation) Rules, 2013.
 - **Purpose:** For the disposal of overburden and waste outside the lease area
- **Sustainable Practices in Minor Minerals:**
 - **Minimal Waste Generation:** In minor minerals, waste generation is minimal
- **Utilization of Material:** Waste is reused for:
 - Land restoration and rehabilitation
 - Development of ponds and other environmental projects
- **Mine Closure:** Practices carried out as part of the mine closure process



Mine Reclamation in Nagpur District

THANK YOU



**National Mining Minister's
Conference
Konark, Odisha
20th & 21st Jan, 2025**

Auction Status & Best Practices

**Govt. of Chhattisgarh
Mineral Resources Department**



Chhattisgarh – At a Glance



Geographical Area
1.35
lakh sq km,

which is ~4 % of country's total area and contributing over **17%** in value of mineral produced in India.



Forest Area
41.21%

of state's land is covered by Forest. **The second largest forest cover** after Goa, in mineral rich states of the country.

CBZ ~ 14%

Protected Area 20.28 % of the geographic area

Wildlife corridors 12 % of the geographical area

85 out of 135 blocks scheduled areas



Mineral Rich State

28

Over 28 various minerals reported from the state.

Mineral Rich Geological Formations



Major Share in Mineral Production

Major share in **Coal, Iron Ore, Limestone, Dolomite** in the State.



Revenue/ GDP

12,795 Cr.

Mining stands 2nd in GDP contribution and accounts for about 11% of total GDP

80% industries mineral based, which accounts for 24% of GDP.



Source: Forest Survey of India, Chhattisgarh Forest Department, DGM Chhattisgarh



20% | Sponge Iron
Chhattisgarh - 9.1 MTPA
India - 43.1 MTPA



16% | Aluminum
Chhattisgarh - 0.57 MTPA
India - 3.5 MTPA



11% | Crude Steel
Chhattisgarh - ~10 MTPA
India - 134 MTPA



7.5% | Cement
Chhattisgarh - ~27 MTPA
India - ~360 MTPA

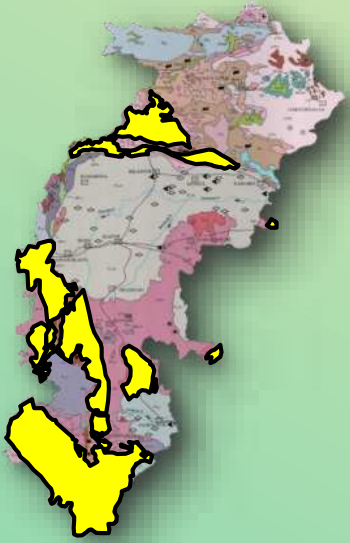


6% | Thermal Power
Chhattisgarh - ~13.3 GW
India - ~210 GW

Archaean

(4000-2500 ma)

Most of the southern part of the Chhattisgarh covered by Archaean formations



Tin and Lithium

Tungsten, Beryl, Emerald & Other Precious Stones

Archaean to Paleoproterozoic (2500-1600)

Most of the eastern part of the Chhattisgarh covered by Archaean to Paleoproterozoic formations

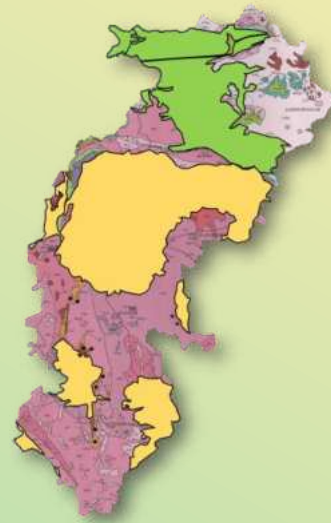


Iron Ore Deposit

REE, Basemetal, Graphite, Gold, Diamond, Lithium & other strategic minerals

Paleoproterozoic - Mesozoic (1600- ~100)

Gondwana Supergroup
Chhattisgarh Basin

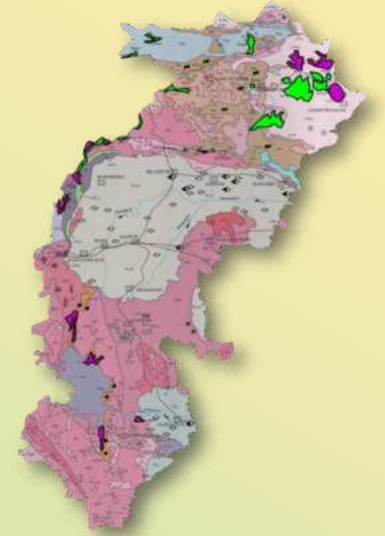


Limestone, Dolomite & Coal

Diamond, Phosphorite, Gypsum, Glauconite, Uranium, Basemetal, Gold, PGE, Ni-Cr

Mesozoic-Cenozoic (~100 to Recent)

Deccan Traps.

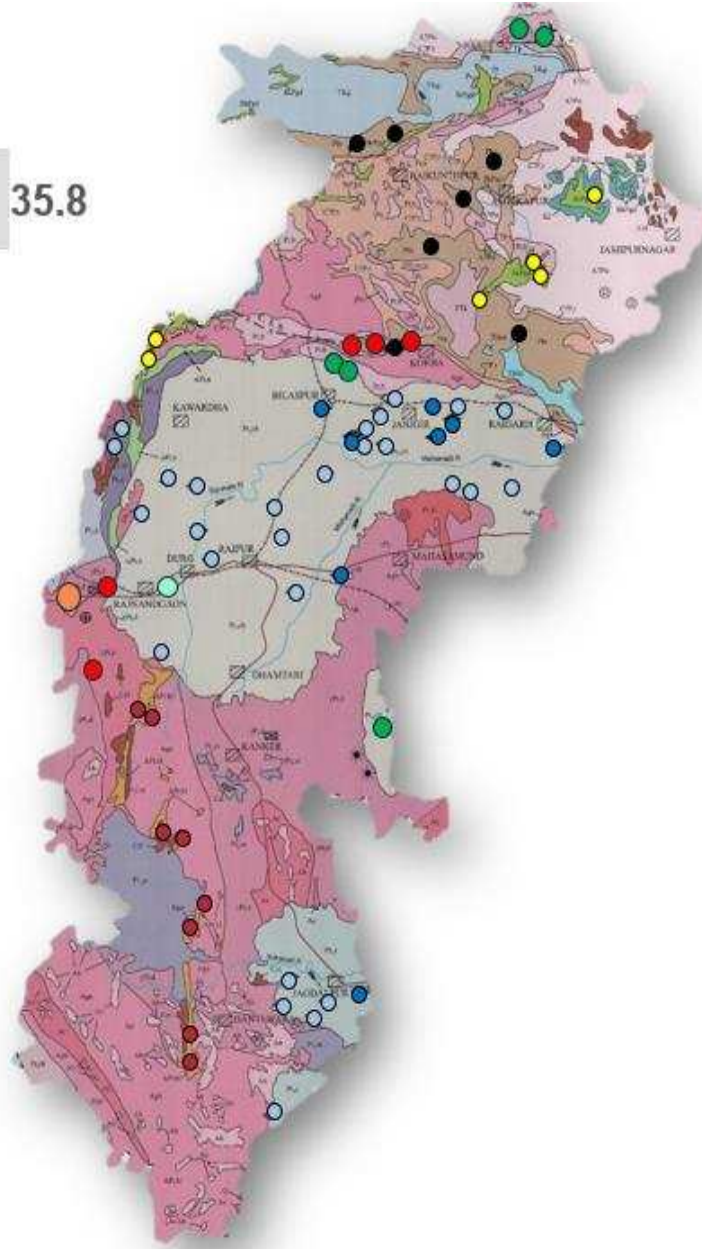
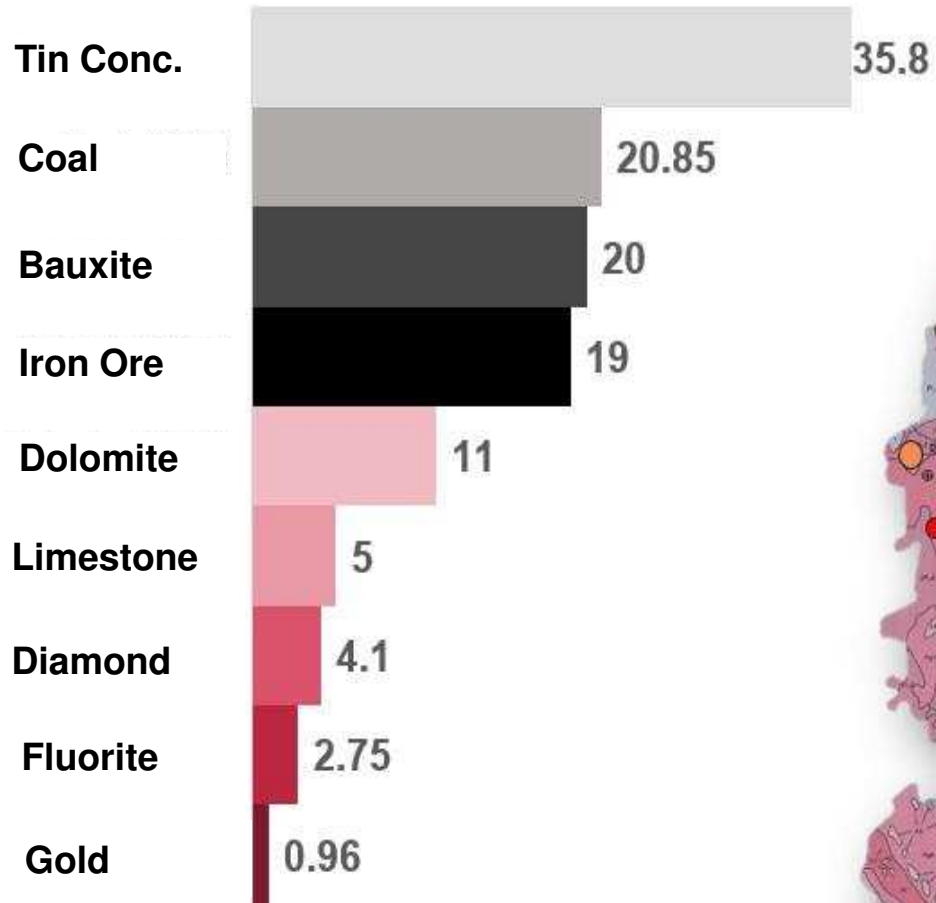


Bauxite

Laterite, REE, Vanadium, Gallium etc

Chhattisgarh – Bulk, Critical, Strategic & Deep Seated Mineral Occurrences

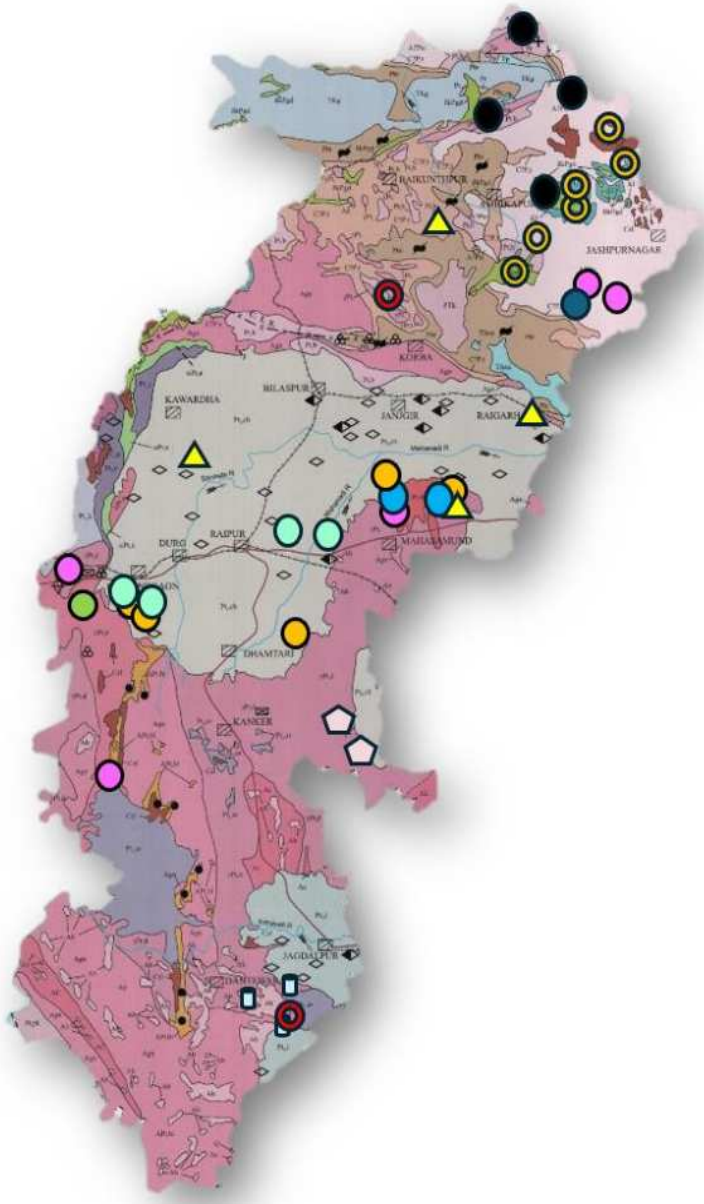
Share % in Total Resource in India



Bulk Minerals

- Coal ●
- Iron Ore ●
- Bauxite ●
- Limestone ●
- Dolomite ●
- Manganese ●
- Fluorite ●
- Moulding Sand ●
- Clay (of various types) ●

Chhattisgarh – Bulk, Critical, Strategic & Deep Seated Mineral Occurrences



Critical, Strategic & Deep Seated Minerals	
Copper & Basemetal	●
Tin	□
Gold	●
Diamond	⬠
Glaucosite	●
Phosphorite	●
Tungsten	●
Ni Cr & PGE	●
Graphite	●
Uranium	▲
Vanadium & Gallium	⊙
Lithium	⊙

Already Auctioned
10 blocks of C,S & DS Minerals

- Graphite_02
- Glaucosite_02
- Nickel-Cr. & PGE_02
- Gold_03
- Lithium_01

1. Best Practices : Exploration, Auction, Operationalization

Exploration



Effective mobilization of Govt. & Pvt. Exploration Agencies.
e.g. MOIL – Potential deposit of manganese discovered first time in the State.



Stakeholders Conference



Focus on unexplored regions in Chhattisgarh (LWE) areas

- Outsourcing Model
- Special SOR



Exploration Strategy : Swift from Bulk to Critical Strategic & DS

- 31 out of 56 projects for C,S & DS minerals



Working on options for alternate Sources for Critical, Strategic & other important Minerals.

Auctions



Chhattisgarh Govt. treat this as an “**Investor Event**” rather than as an “Auction related event”



Auction Plan as per market demand.



Reserve price was fixed at nominal level. Keeping in view a fair and competitive landscape for the bidders



Proactively address all issues raised by bidders through pre-bid queries submitted before the query submission deadline with ample clarity.

Operationalization



A **Mining Project Co-ordination Committee** under Chairmanship of CS.



Handholding and coordinate with the preferred bidder/ successful bidder



Periodic review with the mineral block allocatee by DGM along with Head of the Forest, Environment and IBM.

Stakeholders Conference Sep, 2022



Result : Mineral Blocks Auctioned & Operationalized

39

Total Blocks
Auctioned

1.2

Lakh Cr. (INR)
Expected
Revenue

29

Bulk Mineral
Blocks

07

Critical &
Strategic Mineral
Blocks

Glauconite 02 - Graphite 02
Ni, Cr, PGE 02 - Lithium 01

03

Deep-seated
Mineral Blocks

Gold Blocks 03

07

Operationalized :

- 02 Limestone ML (Greenfield)
- 01 Bauxite ML (Lapsed Auctioned block)
- 03 Iron Ore CL
- 01 Gold CL

06

To be Operationalized
shortly:

- 03 Limestone,
- 01 Ni Cr & PGE,
- 02 Graphite

Mineral Auction Awards



NIT_Live_09

- 04 Bauxite CL
- 01 Limestone CL
- 04 Iron Ore CL

NIT_To be published
shortly_09

- 04 Limestone blocks for ML
- 02 Iron ore blocks for CL
- 03 Bauxite blocks for CL

2. Best Practices : IT Based Mineral Regulation : KHANIJ ONLINE

A **web based Integrated Mines and Minerals Management System** for effective administration and regulation of mineral resources in the state of Chhattisgarh.

KHANIJ ONLINE being a web-based portal, empowers each registered Stakeholders [lessee, licensee, traders, End use plant, vehicle owners, and transporters] including regulatory Govt. officials to act as a center of delivery.

Launched on **21st June 2017**

KHANIJ ONLINE



AUTO APPROVAL based dispatch provision using **digital signature (e-Permit)**



SINGLE CLICK ONLINE PAYMENT of Royalty, DMF, NMET and transfer of amount in respective accounts/heads in **T+1 DAY**



REAL TIME ASSESSMENT with automatic generation of Demand/Credit note (**e-Wallet**)



Auto Approval based e permit



hourly Status: Working

21, Maharshi Karve Road Mumbai 400020
 er: 7225026281

B S A

Lessee Application Details

Name : ACC Jamul- Area : 269.95 (Jamul dhor, kurud)
 Type : ML , Mine Code : 5101000604
 Address : PO: J C Works, ACC limited, Dis ...
 Application Type: Without Auction

A S M K F G R M

Grant Order & Lease Deed Details

Order No : F 3-8/2001/12, Raipur
 Order Date : 06/05/2002
 Lease Deed No. : 0
 Lease Deed Date : 06/05/2004
 Lease Validity : 04/05/2000 to 31/03/2030

G D

Lease Information Details

Village : Jamul District : Durg
 State : Chhattisgarh | Pin Code :
 Type Of Land :
 Area (Hect): 269.950
 Date Of Agreement : 04/05/2000

D W

Mineral Information

Mineral Name : Limestone
 Mineral Category : Major Mineral
 Minable Reserve : 82060000
 Estimated Reserve : 82060000

IBM Details

IBM Registration Date : 20/06/2017
 IBM Mine Code : 38MPR13001

I

Mining Plan Details

Approval Date : 20/10/2015
 Validity : 01/04/2015 to 31/03/2020

M

Forest Clearence Details

Approval Date :
 Validity : NO VALIDITY FOUND

F

Environment Clearance Details

Approval Date : 14/08/2018
 Approved Quantity: 3000000
 Validity : 14/08/2018 to 31/03/2030

E

Consent to Establish Details

Approval Date : 02/01/2019
 Validity : 08/10/2018 to 07/10/2023

E

Consent to Operate Details

Approval Date : 02/01/2019
 Validity : 20/12/2018 to 19/12/2019

O

Assessment Report

Revenue Recovery Assessment Date :
 Half Year Assessment Date :

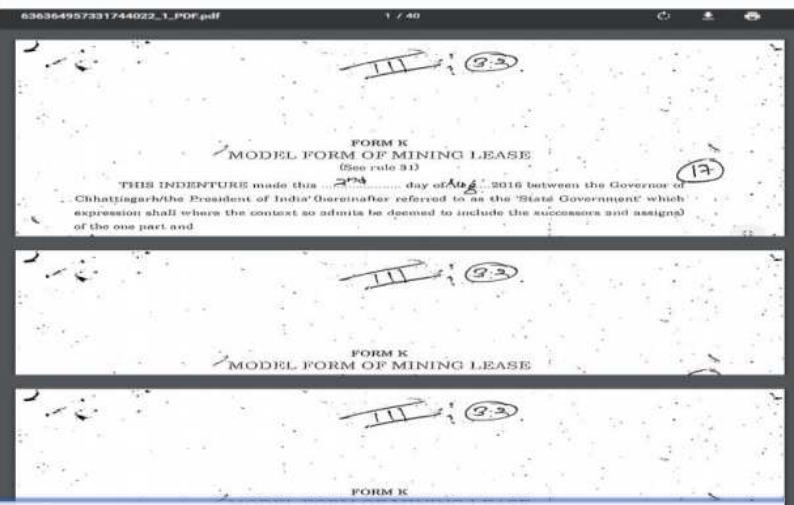
Payment Details

Paid Royalty	244000000.00
DMF	73200000.00
NMET	4880000.00
TCS	4880000.00
Infrastructure & Development Cess	22875000.00
Environmental Cess	22875000.00



Profile

- Lessee Details
- Application Details
- Grant Order Details
- Lease Area D
- Mineral Infor
- IBM Details
- Mining Plan
- Forest Clearan
- Environment
- Consent to Es
- Consent to O
- Assessment R



- 1 • Valid lease/license
- 2 • Period validity
- 3 • Area
- 4 • Valid MP & Capacity
- 5 • Valid EC – CTO/CTE & Capacity
- 6 • Sampling and Gradation
- 7 • Returns
- 8 • Dues Clearances
- 9 • Payment Challans– Royalty, DMF, NMET, CESS, Premium(if Applicable) & TCS
- 10 • Mode of Transportation
- 11 • Purchaser – Captive vs. Commercial

SINGLE CLICK PAYMENT

2

Single Click Payment

- Tonnage basis
- Ad-valorem
- LME based

Royalty Master

Notified Price Mapping

System Calculates different payables

Bank Distributes to different head of accounts

- Royalty
- DMF
- NMET
- Env. CESS
- I&D CESS
- TCS*

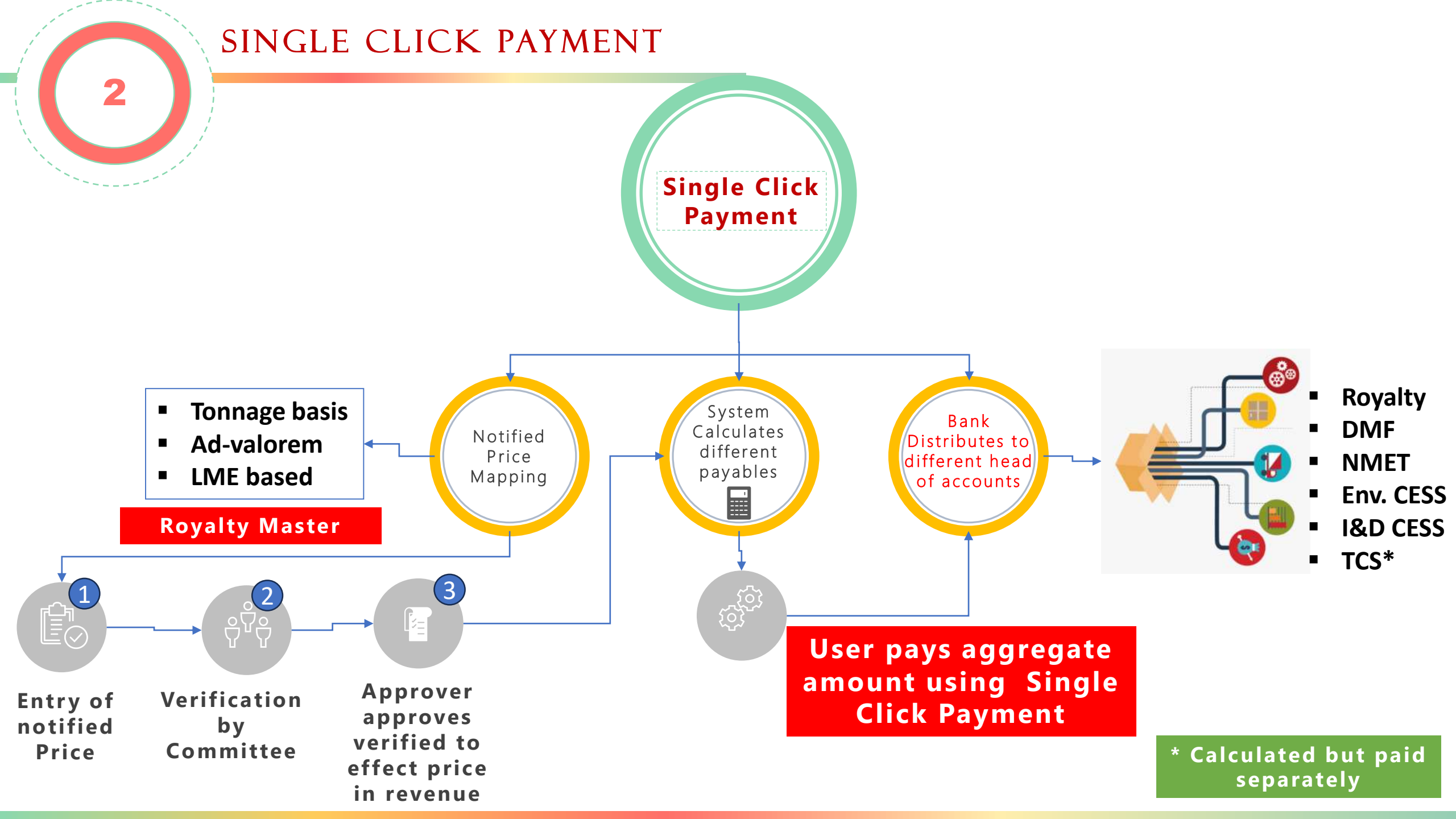
User pays aggregate amount using Single Click Payment

* Calculated but paid separately

1
Entry of notified Price

2
Verification by Committee

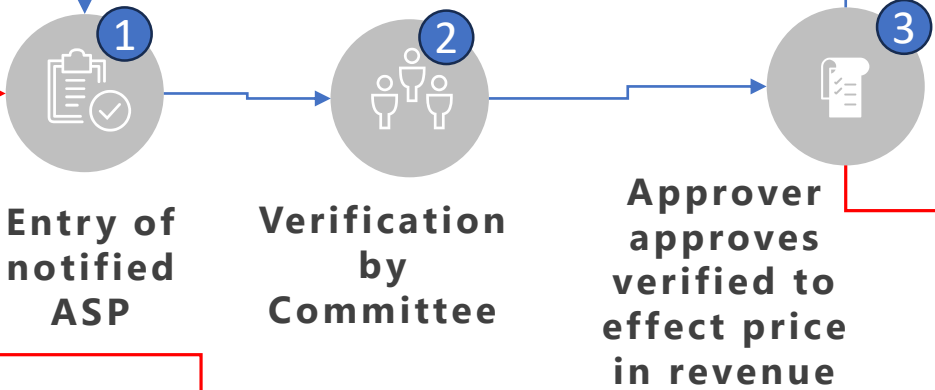
3
Approver approves verified to effect price in revenue



KHANIJ ONLINE: Real Time Assessment

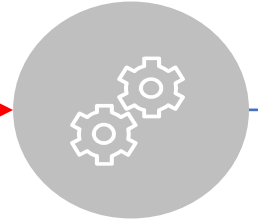
- Tonnage basis
- Ad-valorem
- LME based

Notified ASP Mapping on 01.08.2024 9 AM



Demand/ Credit Process for the eTP generated between 01.08.2024 9 AM to 01.10.2024 8 AM

Demand/ Credit



User Pays on Pro-rata basis during ePermit

System Generates DN/CN

Amount Credit to e-Wallet

e-Wallet

Credit Note

Demand Note

3

Can be utilized during e-Permit

Can be utilized for Demand Note payment

New ASP Notified on 01.10.2024 8 AM

System generates demand/ credit based on updated price for the dispatched quantity



New Architecture



Hosting on Cloud



Offline Desktop App



VTS Application



ICCC



Mobile App



Dashboard & Analytics

NATIONAL eGOVERNANCE AWARD

For
Excellence in Government Process Re-Engineering For Digital Transformation



TECHNOLOGY SABHA EXCELLENCE AWARD 2024

Under
Enterprise Application Category



Visitors: Republic of Kenya



Visitors: Meghalaya, India



3. Best Practices : Allocation of Sand Mines on Reverse Mode

- District Level committee derives a **ceiling price** for sand mines per cubic meter of sand.
- Bidding below the ceiling price.
- Bid **below 50%** of the ceiling price not allowed.
- If more than one bid at 50% of the ceiling price, then selected through **Lottery system**
- Bidder has to pay the difference amount of ceiling price and the minimum quote to the state government as auction money.
- Any single bidder (individual/firm/company) can get
 - Max. 01 sand mines in a district
 - Max. 05 sand mines in a State

- Performance Security – Rs. 1 Lakh/hectare
- Bid Security – 20% of Performance Security
- Tender Fees (Processing Fees) – Rs. 10,000

Control over price of sand in the market.



Control over monopoly of sand mines /cluster



NIT Publication by Collector



Bid Submitted (After 21 days from NIT)



Bid Evaluation



Declaration of Technically Qualified Bidders



Financial Bid open (Lowest Bid)



Lottery Process (if 2 or more bids of same quotes)

4. Best Practices : Star Rating of Minor Mineral Leases

- Star rating of 31 Minor mineral mines with an area > 4 Ha
- Chhattisgarh Minor Mineral Rules, 2015 , Rule 75 A
- MODULE WISE PRESCRIBED MARKS -

Module	Module Name	Sum of Applicable Maximum Points in all Modules (a)
Module 1	SYSTEMATIC AND SUSTAINABLE MINING	30
Module 2	PROTECTION OF ENVIRONMENT AND CONSERVATION OF WATER	25
Module 3	HEALTH SAFETY AND WELFARE OF WORKERS	15
Module 4	STATUTORY COMPLIANCE	30
Total		100

DRAFT

SELF-ASSESSMENT TEMPLATE FOR STAR RATING OF FOR MINOR MINERALS LEASES

REPORTING YEAR (RY): _____

PART- A: GENERAL INFORMATION:

S/N	Particulars	Details						
LEASE DETAILS								
1	Unique lease ID allotted by the State Government for lease							
2	Lease Boundary Coordinates (Latitudes & Longitudes)	<table border="1"> <tr> <td>Latitudes</td> <td>Longitudes</td> </tr> <tr> <td><input type="text"/> <input type="text"/> <input type="text"/></td> <td><input type="text"/> <input type="text"/> <input type="text"/></td> </tr> <tr> <td colspan="2" style="text-align: right;">(more may be added, as per need)</td> </tr> </table>	Latitudes	Longitudes	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	(more may be added, as per need)	
Latitudes	Longitudes							
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>							
(more may be added, as per need)								
3	Khasra /Survey Number							
4	Taluka/ tehsil							
5	Village							
6	District							
7	State	[Drop down menu]						
8	Total Lease Area (ha)							
	(i) Forest Land (ha)							
	(ii) Private Land (ha)							
	(iii) Revenue land (ha)							
	(iv) Pasture land (ha)							
	(v) Others, if any(Specify)(ha)							
9	Mineral(s)	Space for five minerals and 'others' [Drop down menu]						
10	Total Resources Available in the Lease Area (Mineral-wise) (tonnes)	Space for five minerals [numerical text]						
11	Lease Period (From- To)	dd/mm/yyyy to dd/mm/yyyy						
LESSEE DETAILS								
12	Name (In case of Company or partnership firm, Please provide the name of the Company / partnership firm along with name of Managing Director or Managing Partner, as the case may be/ Name of the proprietor in case of proprietary firm)							
13	Type of lease (Person/ Company / partnership firm/other)	[Drop down menu]						
14	Address							
15	Mobile Number							
16	Email address							
WORKING DETAILS								
17	Method of Mining	Drop down menu with all three options						



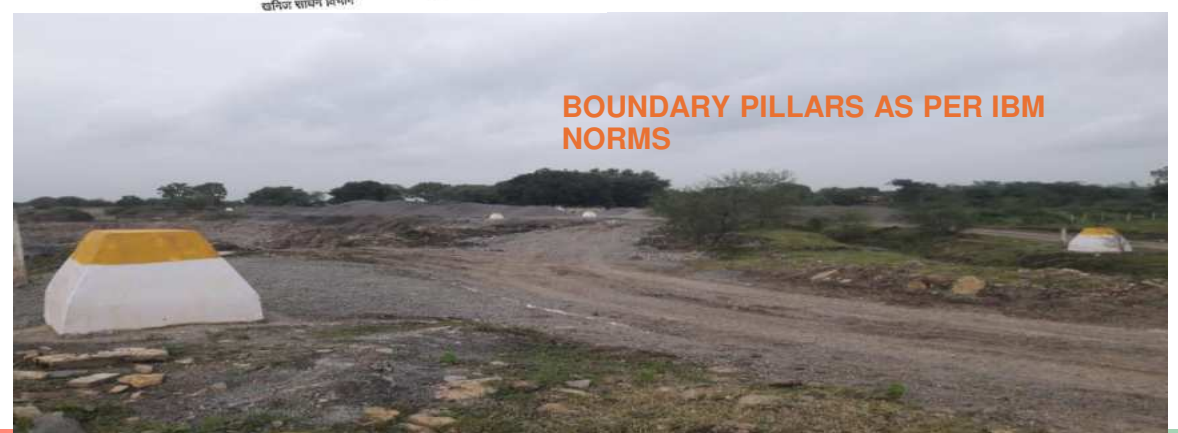
BENCHING PATTERN IN DOLOMITE MINES



COVERED CRUSHING UNIT



MANUAL WATER SPRINKLE FOR DUST SUPPRESSION

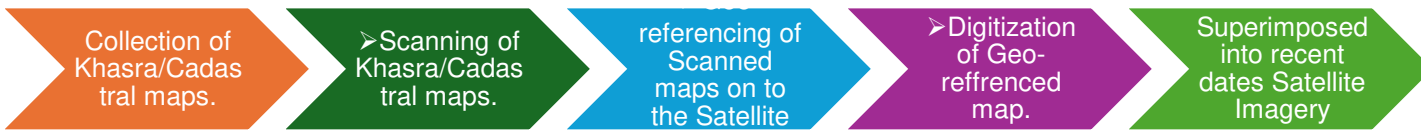


BOUNDARY PILLARS AS PER IBM NORMS

5. Best Practices : Mining Surveillance System for 31 Minor Minerals

Objective:

- To develop a system for detection of incidence of illegal mining outside the lease boundary by use of space technology (Satellite imagery)
- Surveillance of up to 500m outside the lease boundary
- Efficient - Transparent - Simple method



Scanning of mining leases, Geo-referencing & superimposition on the satellite scene

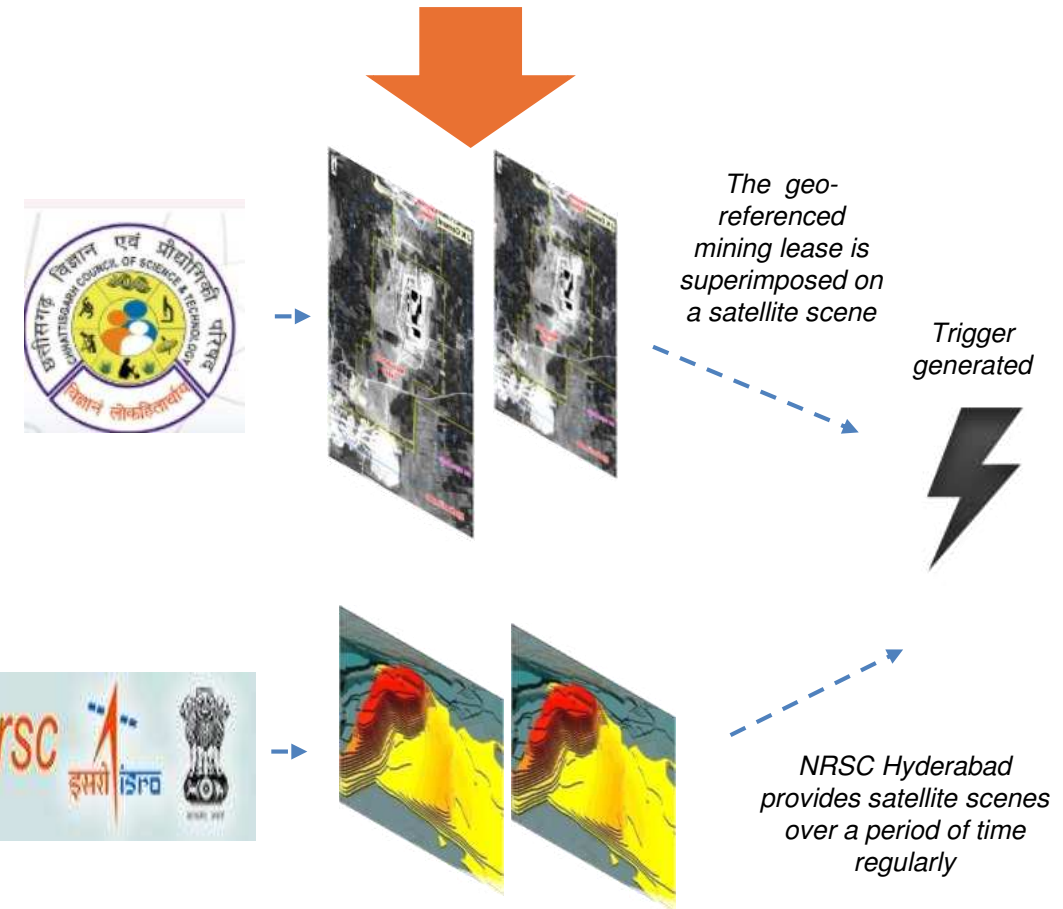


Scanning of Khasra map of the village depicting the mining lease area

Satellite image/scene of the same area

This superimposition creates a geo-referenced image of the mining lease

Generation of triggers by CGCOST



The geo-referenced mining lease is superimposed on a satellite scene

Trigger generated

NRSC Hyderabad provides satellite scenes over a period of time regularly

6. Best Practices : IT based Regulation of DMF

Launched
01.02.2021

Users

- District Collector
- CEO (Zilla Panchayat)
- Government Work Agencies
- Bank
- Treasury
- Management Committee
- Governing Council

DMF: Portal Workflow

Details of Proposed Work

- 1 Proposed Work
- 2 Finalizing by Managing Committee
- 3 Approval by Governing Council
- 4 Technical Sanction Details
- 5 Administrative Sanction Details
- 6 Sanction of Work
- 7 Release of Fund
- 8 Execution of Work
- 9 Completion of Work

Sanction Amount (In ₹)* Sanction Date* District* Base Department*

Agency* Real Steel

कार्यालय जिला खनिज संस्थान न्यास जिला बीजापुर (छत्तीसगढ़)
कलेक्टोरेट परिसर जिला बीजापुर
 फ़ोन -07853220022 ईमेल -dmfbijapureg@gmail.com
 Provisional Receipt 120235092959

This Office has released the Fund under the DMFT with the following details-

S. No.	Particular	Details
1	Work No.	202363600167
2	Work Name.	बीजापुर जिले के अंतर्गत विकासखण्ड बीजापुर मे पेयजल विहीन ग्राम पंचायत संतोषपुर के ग्राम चितनार(प्रा.शा. चितनार बोच्चा मोडियम के घर पास एवं मातागुड़ी), सागवाडी(हल्बापारा एवं सभी गाँव) एवं पोजेर(मातागुड़ी) में 01-01 नम हेण्डपंप खनन कार्य।
3	Installment No.	1
4	Credited to Agency(Name and Address)	CEO JANPAD PANCHAYAT BIJAPUR DMF, कार्यालय जनपद पंचायत बीजापुर जिला बीजापुर छ.ग.
5	Transaction No./Challan No.	102302001572
6	Mode of Payment	Bank Account (RTGS)
7	Released Amount	₹4,50,000.00 (चार लाख पचास हजार)
Beneficiary Account Detail		
8.1	Beneficiary Bank	Axis Bank (UTI Bank)
8.2	Beneficiary Branch	Bijapur
8.3	Beneficiary Account No	918010043004224
8.4	IFSC code	UTIB0003843
9	DDO Code/details	NA
10	UTR No.	SBINR12023030936286351
11	Remarks if any	
12	Transaction Date	09/03/2023
13	Settlement Date	09/03/2023

This is computer generated provisional receipt and does not require seal and sign. It can be verified online by scanning the QR Code printed on this receipt.

DMF 2.0 GIS Based

- Geo Fencing of directly/indirectly affected areas
- Geo Tagging of work
- System controlled provisions with regard to approval of scheme
- Area wise (Directly/Indirectly)
- Work wise (Sector)
- Expenditure Ratio wise (High Priority/ Other Priority)



6. Best Practices : Status & Special Initiatives

Collection –
Rs. 14,371/- Cr.

Project Sanctioned-
96226

Sanctioned Amount –
Rs. 14,843/- Cr.

Project Completed
65316

Motor-Bike Ambulance, Narayanpur



- **Location** : Orchha, District Narayanpur
- **Expenditure** :- Rs. 0.43 Cr.
- **Operational Cost**:- 0.10 Cr. Per Year
- **Objective** :- Motor bike ambulance, to outreach remote areas.
- **Beneficiaries** :- Community work.

DANNEX



- **Location** : Dantewada District HQ
- **Expenditure** :- Rs. 7.45 Cr.
- **Objective** :- Readymade Garment Unit, Livelihood project under PPP model.
- **Beneficiaries** :- 750

Korba Convention Centre



- **Location** : Korba
- **Expenditure** :- Rs. 16.34 Cr.
- **Objective** :- Public Gathering, Cultural Activities.
- **Beneficiaries** :- Community workers

6. Best Practices : Repurposing of Exhausted Mines

1. Kenapara ECO Tourism

- **Location** : Developed on SECL Vishrampur opencast mine (abandoned in 2018)
- **Area** : + 10 Hector area
- **Attraction** - Boating , Open Gym , floating Restaurant .
- **Benefits** :
 - More than 200 tourist and local people visit / day.
 - Generates livelihood through fish farming .



6. Best Practices : Repurposing of Exhausted Mines

Jamul Cement Works Limestone Mines (ACC/Adani)

- Jamul, Bhilai, Durg, Chhattisgarh
- Area : 269.95 Ha.
- Block 02

BEFORE



NOW

Kinnow Garden and Green Belt Development



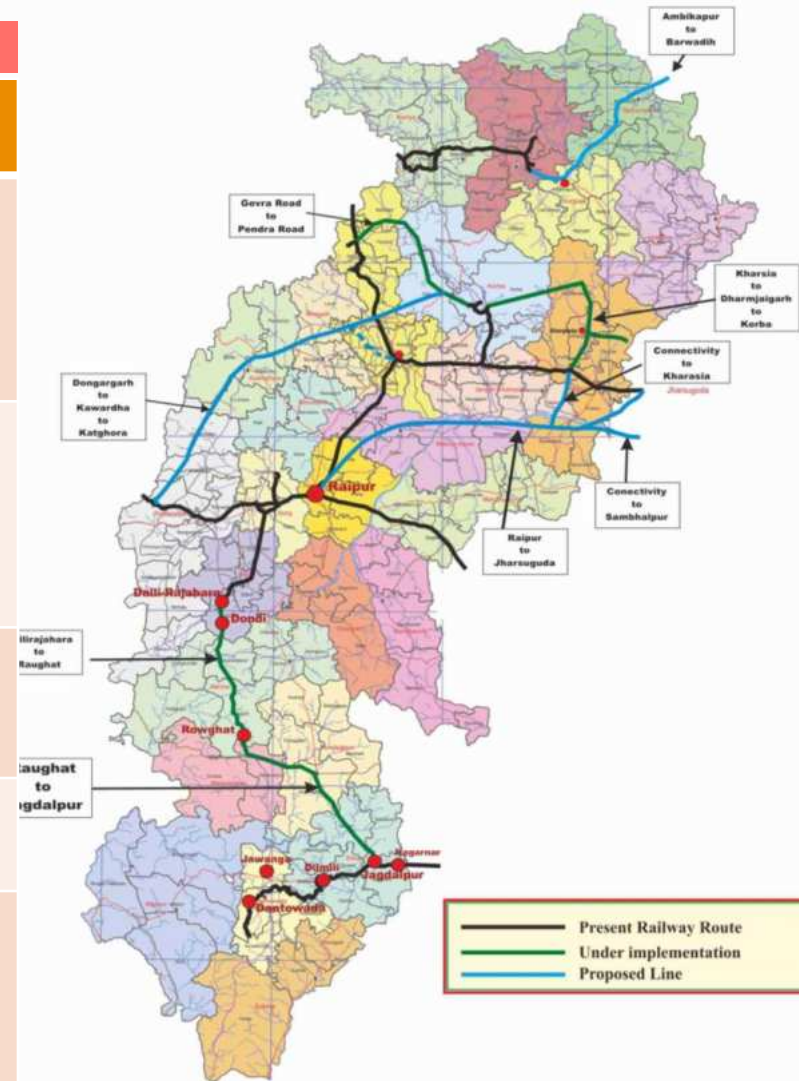
7. Best Practices : Mineral Development Fund

5% of total mineral revenue is earmarked for MDF fund every year through budget for development of mining sector including activities like exploration, capacity building, infrastructure & evacuation infrastructure.

Key Rail Initiatives

Project	Project Company	Share holding Pattern	Routes	Length
East- West Corridor	Chhattisgarh East West Railway Limited	<ul style="list-style-type: none"> SECL – 64% IRCON – 26% CSIDC – 10% 	Gewara Road – Pendra Road via Dipka, Katghora, Sindurgarh, Pasan.	170 KM
East Corridor	South-East-Central Railway (SECR) and Chhattisgarh East Railway Ltd (CERL) JV	<ul style="list-style-type: none"> SECL – 64% IRCON – 26% CSIDC – 10% 	Kharsia, Chal, Gharghoda, Dharamjaigarh	133 KM
Katghora (from East-West Corridor) in Korba Distt. to Dongargarh	Chhattisgarh Rail Corporation Ltd.	<ul style="list-style-type: none"> Govt. of Chhattisgarh – 51% MoR – 49% 	Kharsia - Balodabazar – Naya Raipur – Durg	240 KM
			Katghora – Kawardha – Dongargarh	258 KM
Rawghat – Jagdalpur Corridor	Bastar Rail Corridor	<ul style="list-style-type: none"> NMDC – 52% IRCON – 26% SAIL – 12% CG Govt. 10% 	Rawghat – Jagdalpur	140 KM

Roads & Airport projects are also sanctioned from MDF.



8.

Best Practices :

Other Initiatives _ to be adopted soon



Establishment of State Mineral Exploration Trust (SMET) for systematic development and exploration of mineral resources



Policy for backfilling of abandoned mines with Fly Ash



Drill Core Library



Technology solutions to detect misclassification of iron ore grade



Occupational Health and Safety (OHS) performance of mining sectors in the State : Khanij Shramik Swasthya Suraksha Card (K3S card)

Thank You

Let us work together for a better future...



Mineral Resources Department
Govt. of Chhattisgarh
Nawa Raipur Atal Nagar
Chhattisgarh

Directorate of Geology & Mining,
Chhattisgarh :

Block-IV, 2nd Floor, Indravati Bhawan, Nawa
Raipur, Chhattisgarh

Ph. : 0771-22218 40,44,49 Fax. 0771-2221841

E-mail : dgm.cg@nic.in,

miningdgmcg@gmail.com

Log on :

Department Website :

www.chhattisgarhmines.gov.in

Khanij Online Portal :

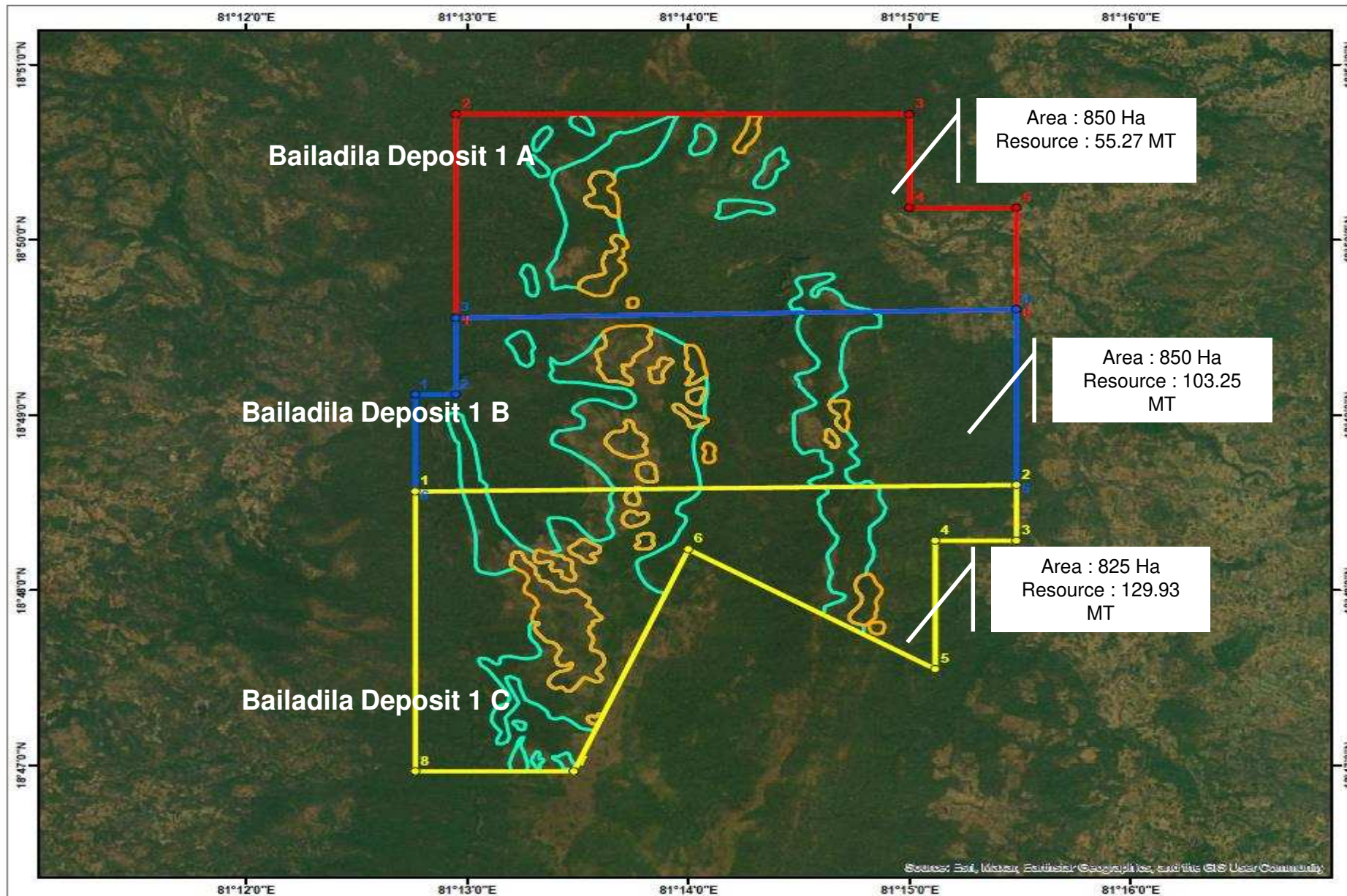
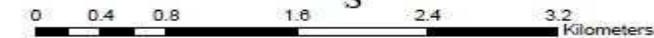
<https://khanijonline.cgstate.gov.in/>

DMF Portal : <http://www.dmf.cg.nic.in/>

Live NITs

Sl No	Name of the Block	Mineral	District	Area (Ha)	Resource (Million Tons)	Exploration Agency	Tender Price (INR)*	Bid Security (Cr)	Performance Security (Cr)	Net worth (Cr)
1.	Chendradadar Bauxite Block	Bauxite	Kabirdham	116.000	10.07	DGM	01 Lakh	1.9	1.9	7.6
2.	Parpatia Bauxite Block	Bauxite	Surguja	502.000	90.69	DGM	01 Lakh	9.8	9.8	39.4
3.	Dumarguda Bauxite Block	Bauxite	Surguja	239.000	18.627	DGM	01 Lakh	7.2	7.2	29
4.	Dandkesra North Bauxite Block	Bauxite	Surguja	104.800	9.07	DGM	01 Lakh	4.08	4.08	16
5.	Gaitara Limestone Block	Limestone	Baloda Bazar	550.000	55.50	GSI	01 Lakh	7.3	7.3	29.5
6.	Deposit 1A Iron Ore Block	Iron Ore	Dantewara	850	55.27	DGM (Extrapolated on prior exploration work of M/s. TATA Steel Ltd & M/s. JSPL)	05 Lakh	50	69.36	100
7.	Deposit 1B Iron Ore Block	Iron Ore	Dantewara	850	103.25		05 Lakh	50	129.58	100
8.	Deposit 1C Iron Ore Block	Iron Ore	Dantewara	825	129.93		05 Lakh	50	163	100
9.	Hahaladdi-North Extension Iron Ore Block	Iron Ore	Uttar Bastar Kanker	201.614	2.54	Extrapolated from adjoining ML	2.5 Lakh	2.43	2.43	9.73

Map Showing Bailadila Deposit 01 (A,B and C) Iron Ore Block District: Dakshin Bastar Dantewada, State: Chhattisgarh



Area : 850 Ha
Resource : 55.27 MT

Area : 850 Ha
Resource : 103.25 MT

Area : 825 Ha
Resource : 129.93 MT

Bailadila Deposit 01 A Iron ore Block Coordinates

Point Id	Latitude	Longitude
1	18° 49' 33.250" N	81° 12' 57.000" E
2	18° 50' 43.000" N	81° 12' 57.000" E
3	18° 50' 43.000" N	81° 15' 0.000" E
4	18° 50' 11.000" N	81° 15' 0.000" E
5	18° 50' 11.000" N	81° 15' 29.000" E
6	18° 49' 36.229" N	81° 15' 29.008" E

Bailadila Deposit 01 B Iron ore Block Coordinates

Point Id	Latitude	Longitude
1	18° 49' 7.000" N	81° 12' 46.000" E
2	18° 49' 7.000" N	81° 12' 57.000" E
3	18° 49' 33.250" N	81° 12' 57.000" E
4	18° 49' 36.229" N	81° 15' 29.008" E
5	18° 48' 36.027" N	81° 15' 29.014" E
6	18° 48' 33.823" N	81° 12' 45.994" E

Bailadila Deposit 01 C Iron ore Block Coordinates

Point Id	Latitude	Longitude
1	18° 48' 33.823" N	81° 12' 45.994" E
2	18° 48' 36.027" N	81° 15' 29.014" E
3	18° 48' 17.000" N	81° 15' 29.000" E
4	18° 48' 17.000" N	81° 15' 7.000" E
5	18° 47' 33.000" N	81° 15' 7.000" E
6	18° 48' 14.000" N	81° 14' 0.000" E
7	18° 46' 58.000" N	81° 13' 29.000" E
8	18° 46' 58.000" N	81° 12' 46.000" E

Legend

- Bailadila Deposit 01 A Block coordinates
- Bailadila Deposit 01 A Iron ore Block
- Bailadila Deposit 01 B Block coordinates
- Bailadila Deposit 01 B Iron ore Block
- Bailadila Deposit 01 C Block coordinates
- Bailadila Deposit 01 C Iron ore Block
- Iron ore deposit
- Laterite deposits

Source: Esri, DeLorme, GeoEye, (Geographic), and the GIS User Community

**Hahaladdi North
Extension Iron Ore Block**

Pusp Steel & Mining Pvt Ltd

Uttar Bastar Kanker District

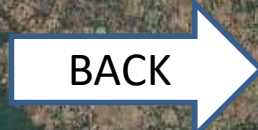
Monet Ispat (JSW) existing ML

Tumrisur Garda II Gold Block
Recently auctioned

Hahaladdi North Extension Iron Ore Block

Area : 201.64 Ha
Resource : 2.54 MT

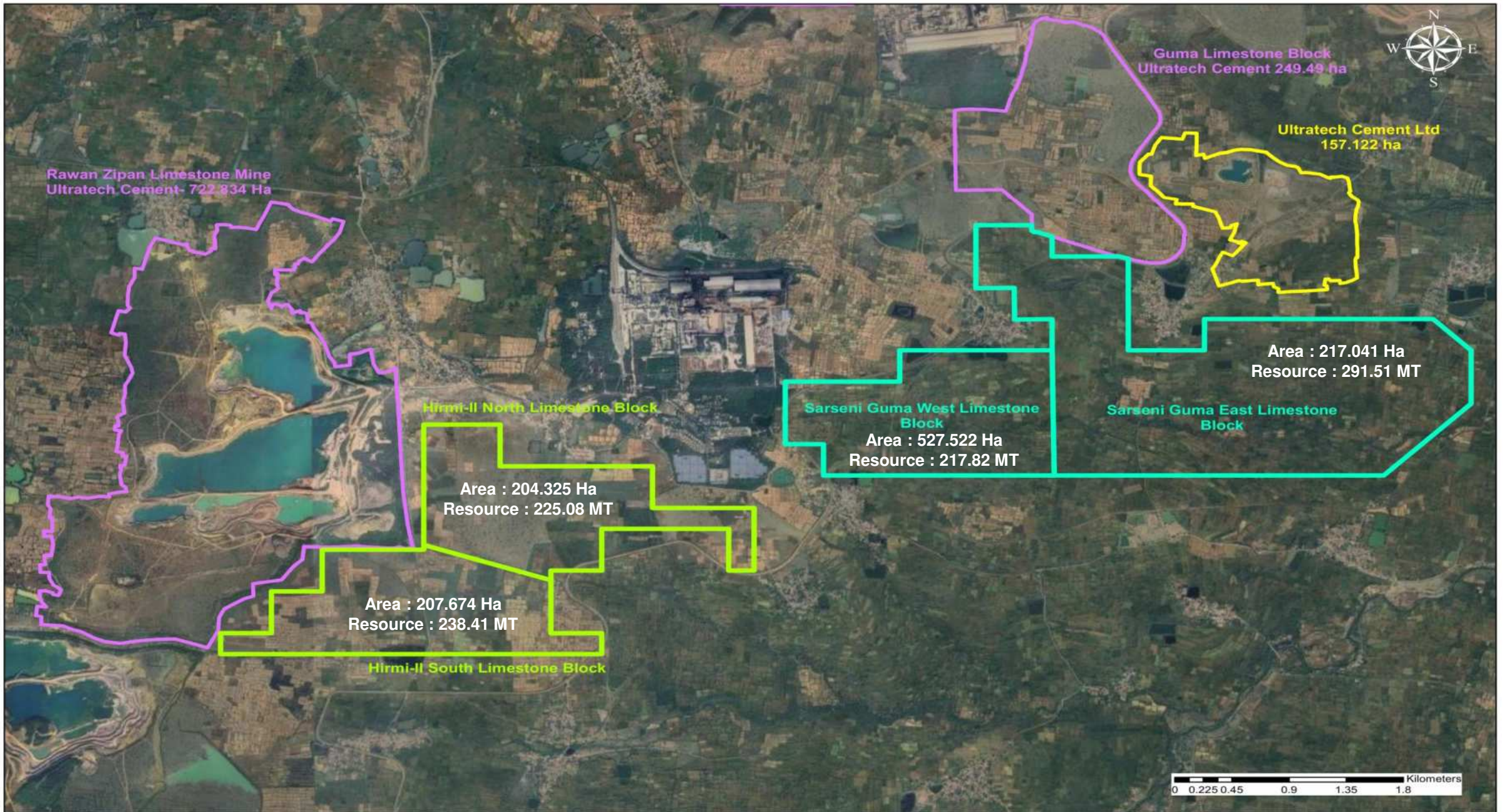
Bajrang Ispat existing ML



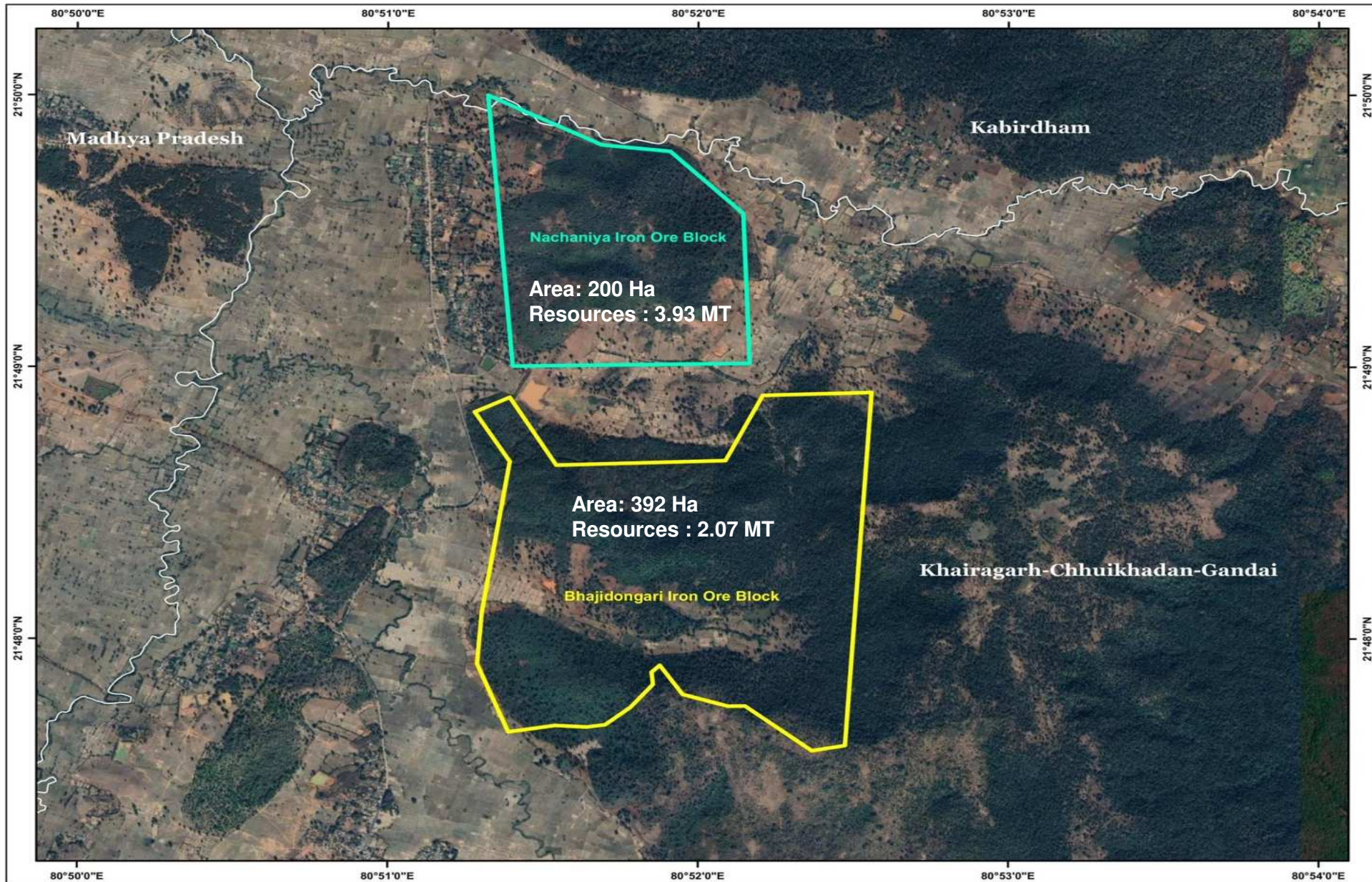
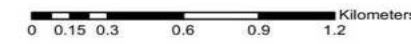
3 km

NIT to be published shortly

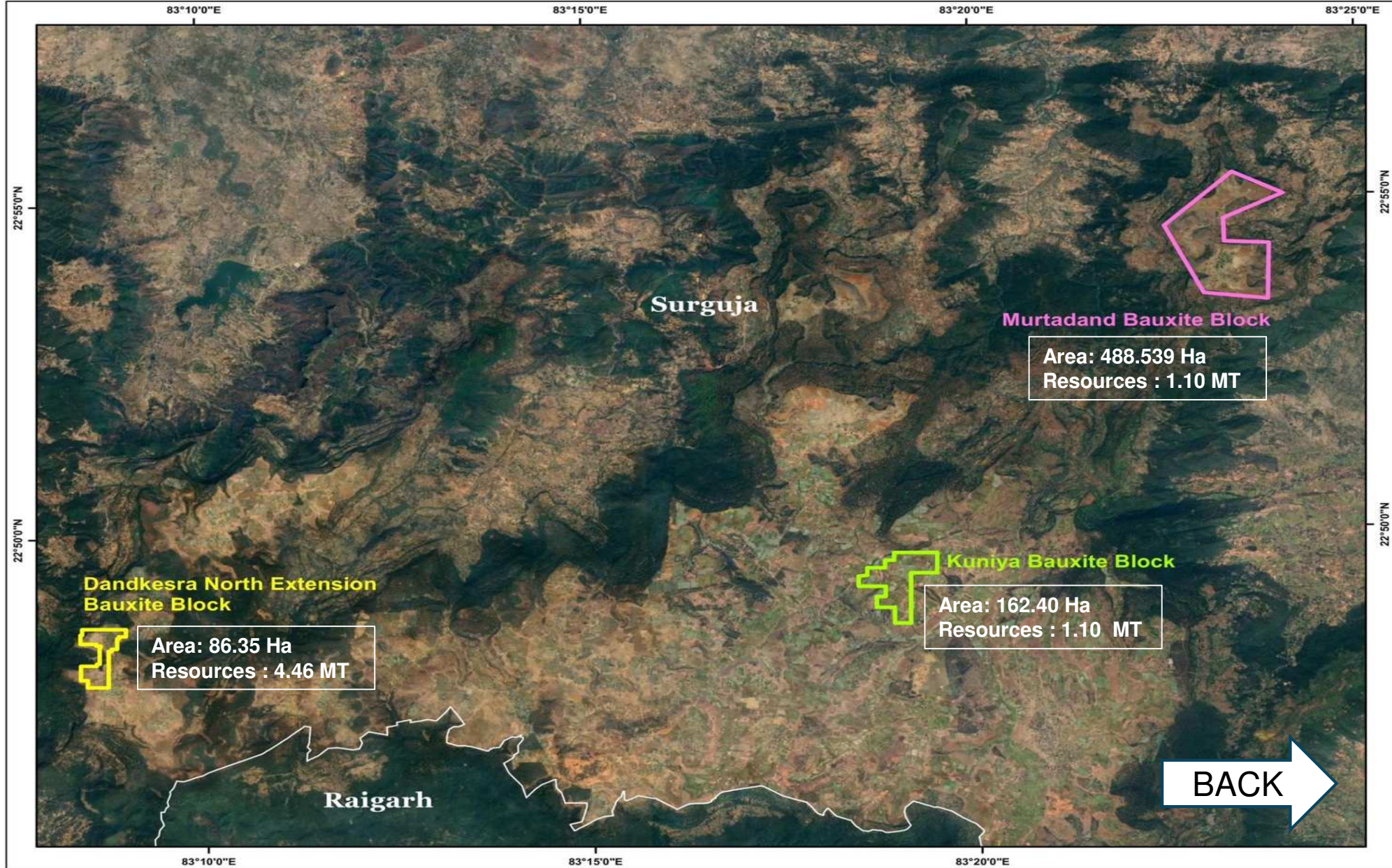
Sl. No.	Name of Block	Commodity	Area (Ha)	Tentative Resource (MT)	District	Mineral Concession
1.	Hirmi II North Limestone Block	Limestone	*204.325	225.08 Cement Grade : 83.67	Baloda Bazar	ML
2.	Hirmi II South Limestone Block	Limestone	*207.674	238.41 Cement Grade: 82.95	Baloda Bazar	ML
3.	Sarseni Guma East Limestone Block	Limestone	*217.041	291.51 Cement Grade : 56.56	Baloda Bazar	ML
4.	Sarseni Guma West Limestone Block	Limestone	*527.522	217.82 Cement Grade: 74.82	Baloda Bazar	ML
5.	Nachaniya Iron Ore Block	Iron Ore	200	3.93	Khairagarh ChuKhadan Gandai	CL
6.	Bajidongari Iron Ore Block	Iron Ore	392	2.07	Khairagarh ChuKhadan Gandai	CL
7.	Murtadand Block	Bauxite	488.539	1.10	Surguja	CL
8.	Kuniya Block	Bauxite	162.4	1.10	Surguja	CL
9.	Dandkesra North Extension Bauxite Block	Bauxite	86.35	4.46	Surguja	CL



Map Showing Locations of Nachaniya Iron Ore Block and Bhajidongari Iron Ore Block District: Khairagarh-Chhuikhadan-Gandai and Kabirdham, State: Chhattisgarh



Map Showing Locations of Murtadand Bauxite Block, Kuniya Bauxite Block and Dandkesra North Extension Bauxite Block District: Surguja, State: Chhattisgarh



BACK

Legend

- Murtadand Bauxite Block
- Kuniya Bauxite Block
- Dandkesra North Extension Bauxite Block



Auction, Best Practices & Performance of DMF

Department of
Mines & Geology

January 2025



1. Andhra Pradesh's Mineral Sector: An Overview

~ 136.5 Bn USD SGDP (FY 2020-21, in USD)



1st
Barytes

2nd
Limestone

2nd
Silica Sand

2nd
Quartz

2nd
Granite


**Rank of AP
in Mineral
Production
in India**

2nd Longest coastline among Indian states (974 km)

1.5 Bn USD Investment in Infra structure

3 Industrial Corridors

258 Industrial Parks

4 Major ports

32 Operational SEZs

2. Andhra Pradesh – Treasure Trove of Mineral Wealth

~ 92% of Baryte resources in India

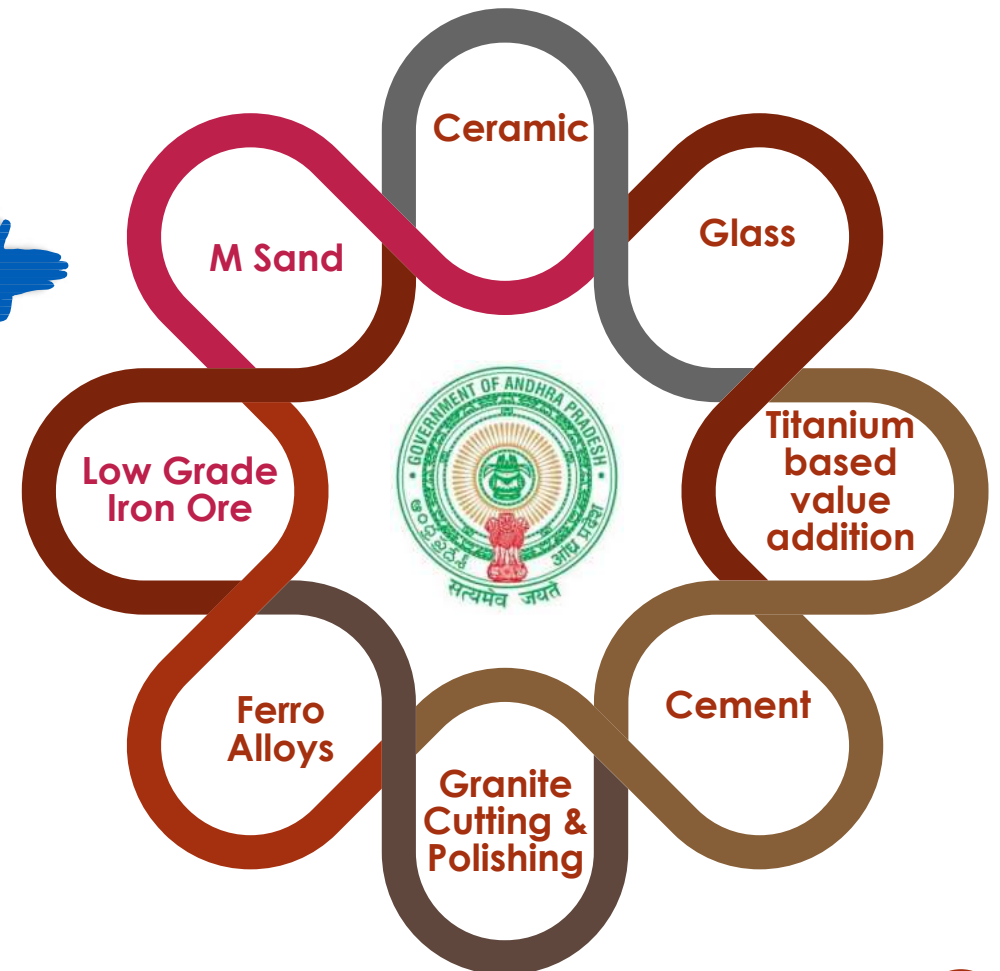
~ 30% of HMBS resources in India

~ 40% of Mica resources in India

~ 18% of Quartz, Quartzite and Silica Sand reserves in India

~ 20% of Granite resources in India

~ 12% of Limestone resources in India





3. Auction of Major Minerals (1/2) - Progress

- The leases for Major Minerals were issued through first-come first serve process till 2015
- **MMDR Amendment Act 2015** mandated the issue of leases for Major Minerals through e-auction.
- **GoAP** made rapid strides in auction of Major Minerals.

S. No.	Mineral Category	No. of blocks notified	No. of blocks Successfully auctioned
1	Major Mineral	50	25
1.A	Limestone	12	5 (5 ML)
1.B	Iron Ore	12	6 (2 ML, 4 CL)
1.C	Manganese	14	9 (2 ML, 7 CL)
1.D	Gold	11	4 (1 ML, 3 CL)
1.E	Semi-Precious Stone Block	1	1 (1 CL)
2	Critical Mineral	1 (by GoI)	1
2.A	Tungsten	1	1

Out of 25 Blocks, 4 Blocks are successfully operationalized



3. Auction of Major Minerals (2/2) - Action Plan

- GoAP identified 52 Major Mineral Blocks eligible for auction.
- The blocks will be put up for auction in a phased manner in next 3-4 months
- Roadshows are being planned to reach out to the investors
- Post Auction Facilitation Cell is being established with all involved departments

Minerals	Jan'25	Feb'25	Mar'25
Iron Ore (12)	3	6	3
Manganese (14)	2	6	6
Diamond (2)	1		1
Limestone (23)	7	7	9
Copper (1)	1		
Total (52)	14	19	19

4. Auction of Minor Mineral Bearing Areas (1/3)



To ensure fair and transparent allocation of quarry leases Govt. of AP introduced “**Andhra Pradesh Minor Mineral Auction Rules**” in March 2022 in alignment with Hon’ble Supreme Court order

01

Dept to initiate the process of obtaining NOC from the Revenue Dept

02

DGPS Survey along with surveyed sketch of the area to be provided.

03

Applicants to get LOI immediately on payment of Premium Amount

- Reduction of manual intervention in allocation of Quarry leases
- Simplification of file processing at various stages

Till now, Dept. of Mines & Geology has notified 799 Minor Mineral Blocks and successfully auctioned 275 Blocks



4. Auction of Minor Mineral Bearing Areas (2/3)

Eligibility Criteria

✓ Legal Entity

• Individuals/ Association of Individuals / Partnership Firm/ LLP/ Society/ Company

✓ Satisfying the Criteria of Net Worth & Bid Security

✓ No Mineral Revenue Dues to GoAP

Tender Criteria

Tender Criteria	Granite, 31 Minor Minerals & Road Metal	Other Minor Minerals
Tender Fee	Rs. 10,000/Ha + 18% GST	Rs. 5,000/Ha + 18% GST
Bid Security	2 times of Annual Dead Rent / 5 lakhs whichever is higher	2 times of Annual Dead Rent / 3 lakhs whichever is higher
Net Worth	Rs. 1 Crore	Rs. 25 Lakhs
Reserve Price	Multiples of Annual Dead Rent for the notified area (Multiple & Dead rent based on Mineral type)	

4. Auction of Minor Minerals – Progress & Observations (3/3)



S. No.	Mineral Category	No. of blocks notified	No. of blocks Successfully auctioned
1	Minor Mineral	779	275
1.A	Granite (All varieties)	399	67
1.B	Building Material	234	120
1.C	Quartz and Quartzite	96	64
1.D	Other Minerals	50	24

Observations

- Equal Opportunities & level playing field for all bidders
 - Lower success rate for execution of leases as compared to FCFS
 - Low digital acumen hinders MSME participation in bidding.
 - Department-dependent NOC procurement causes delays
 - Limited incentives for officials to promote exploration.
 - Complaints of High Upfront Amount for obtaining leases
-
- **GoAP is reviewing the methodology to enhance the participation and success rate.**

5. Other Best Practices Adopted in AP



Mineral Administration

- Mineral Dealer license system
- Outsourcing of Seigniorage fee collection to third party agencies
- Administration of Sand through District Collectors.
- Inter-department collaboration for auction approval



Exploration

- Establishment of State Mineral Exploration Trust



Technology and Innovation

- Online E-Permit system
- Vehicle Tracking Management System
- Dedicated Sand Mine Portal

5A. Best Practices – Mineral Administration



Initiative	Initiative Overview	Impact/ Outcome
Mineral Dealer License	<ul style="list-style-type: none"> Online IT regulatory mechanism deployed to track mineral movement and consumption by onboarding mineral dealers and linking with leases 	<ul style="list-style-type: none"> No manual intervention from online application filing, processing & grant of MDLs and issue of transit passes. Ensures accountability & traceability throughout the mining value chain.
Outsourcing collection of Seigniorage Fee/ Royalty to 3rd Parties	<ul style="list-style-type: none"> Outsourcing the collection of Seigniorage Fee/Royalty to third-party agencies involves delegating the responsibility of managing and collecting royalties or fees from mining operations to an external agency 	<ul style="list-style-type: none"> Assured revenue to State Exchequer. Deployment of contractual manpower Department Resources are used in value added activities
Administration of Sand through District Collectors.	<ul style="list-style-type: none"> Management of sand mining operations through District Collectors. Excavation by loading agencies. Extraordinary control on Price Consumers pay only operational costs promoting construction and employment. 	<ul style="list-style-type: none"> Control of illegal sand mining Real time monitoring of sand quarries through CCTV surveillance Compliance with all operational guidelines to ensure transparency and sustainability

5B. Best Practices - Exploration



Initiative	Initiative Overview	Impact/ Outcome
Establishment of State Mineral Exploration Trust	<ul style="list-style-type: none">• Collection of 2% of the Seigniorage Fee/ royalty on the amount of minor minerals dispatched to a fund namely “MERIT”.• The funds are then used for exploration purposed in the state.• Matching grants to support NMET funds	<ul style="list-style-type: none">• MERIT facilitates systematic and advanced exploration of mineral resources by funding and supporting geological surveys and studies.• Till now MERIT has handed over 25 GRs/ GMs.• Out of which 16 Major Mineral Blocks have been notified for auction.• Further, MERIT plans to explore the un-auctioned G3/G4 blocks to increase the level of exploration.

5C. Best Practices – Technology Interventions (1/3)

- Online Mineral E-Permit System:



- Online Mineral E-Permit System (OMEPS) allows the leaseholder to generate permits online without any manual intervention.
- It covers all activities of leaseholder into the system, and is built up with following features:

01

Registration of Lessees

02

Payment of Royalty, DMF, MERIT & IT

03

Application for Check Measurement

04

Issue of Dispatch Permit & Transit Passes

05

Maintenance of Production Particulars

06

Adherence to AMP, EC & CFE Limits

07

Stationary Distribution

08

Integration with CFMS & VTMS Portals

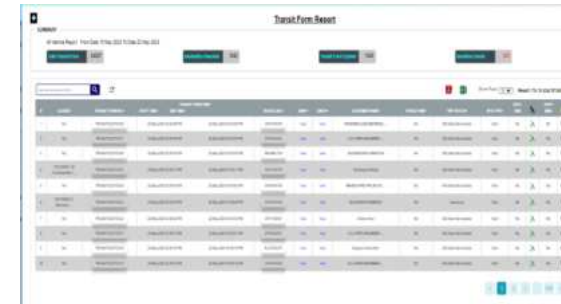
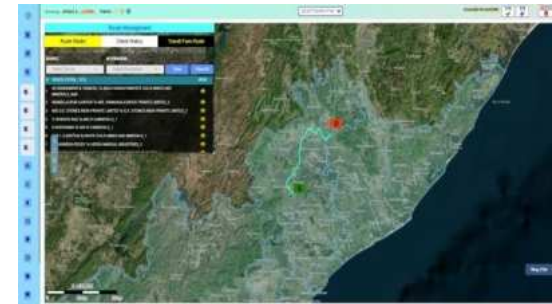
- Digitization of permits has streamlined all the activities involved thereby making the whole process time efficient and thus allowing the leaseholders to obtain transit forms anytime and anywhere
- Real-time permissions for building cellars.

5C. Best Practices – Technology Interventions (2/3)

- Vehicle Tracking Management System:



- Online Platform for real time surveillance of mineral carrying vehicles.
- Installation of GPS devices was made mandatory
- The system has more than 54,000 vehicles onboarded and are integrated with the OMEPS portal
- **The integration enables leaseholders to generate permits only when the GPS device is actively communicating.**
- **The system generate alerts to the District Vigilance Squads (DVS) & District Officers in the following circumstances**
 - ✓ Route deviations
 - ✓ Device tampering
 - ✓ Prohibited mines

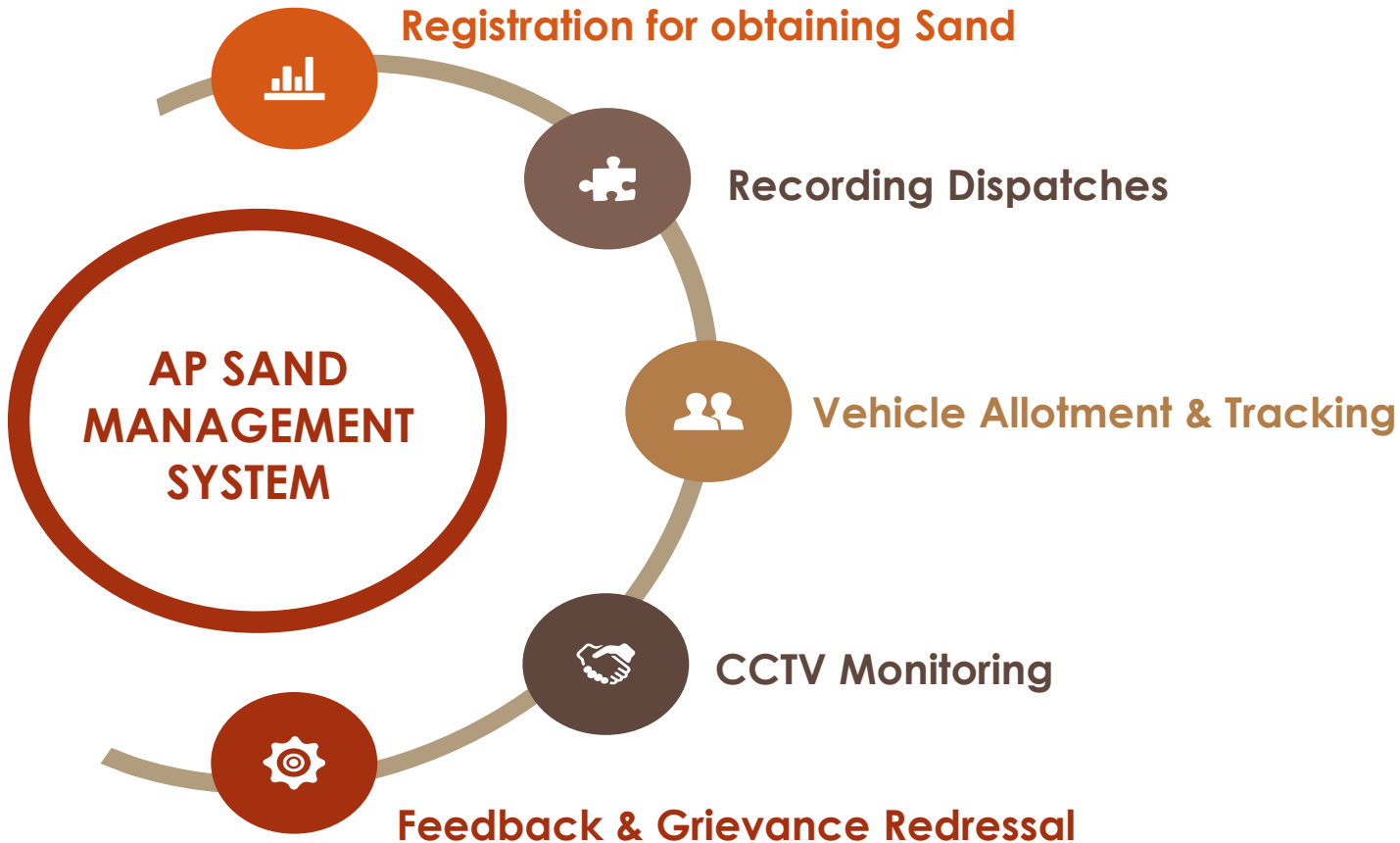


5C. Best Practices – Technology Interventions (3/3)

- Dedicated Sand Management System:



- Dedicated sand portal namely “AP Sand Management Portal” is developed for transparent and efficient management of sand mining operations.
- Facilities:



6. Performance of DMF



TOTAL DMF COLLECTED (in Rs. Cr.)	DMF AMOUNT SANCTIONED (in Rs. Cr.)	AMOUNT SPENT (in Rs. Cr.)
2138	2075	926

Description	No. of Projects	Cost of Projects (Rs. Crores)
Total Projects Sanctioned	20,678	2075
Completed Projects	8104	939
Ongoing Projects	4364	518
Yet to Start Projects	4096	457
Cancelled Projects	4114	160

7. Success Stories of DMF (1/5)

- Kitchen & dining hall was constructed in ST girls residential school Gudur village, Nellore District.
- Est Cost: 75 lakhs



7. Success Stories of DMF (2/5)

- Construction of Skill Development Centre Chillakallu
- Est Cost: 100 lakhs



7. Success Stories of DMF (3/5)

- Purchase/Procurement of three new ambulances to the Tribal Area Medical Institutions of APVVP Hospitals
 - Area Hospital, Araku valley, Area Hospital, Paderu, Community Health Centre, Chintapali
- Est Cost: 38.61 lakhs



7. Success Stories of DMF (4/5)



- Various R.O. Water Treatment Plants Implemented under DMF in Guntur District to provide Safe Drinking Water



THANK YOU!

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Department of Mines & Geology,
Government of Andhra Pradesh

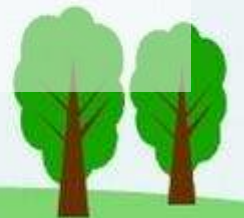


Best Practices - Gujarat

CGM Gujarat

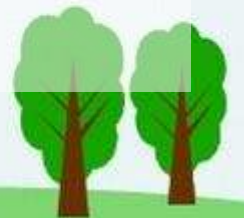
Overview

- Exploration
- Auction
- Lease Administration
- Prevention of Illegal Mining
- PMC Laboratory



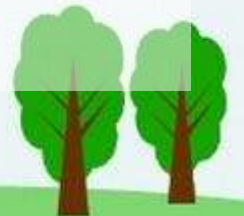
Exploration

- CGM Gujarat has 696 exploration reports
- GSI also has some exploration reports in Gujarat
- Existing leases provide details about mineral occurrence
- A systematic review of this data was done
- A 5 year prospective Exploration Plan was prepared



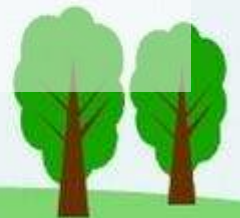
Exploration

- 25 Critical mineral blocks for exploration
- 192 blocks for major mineral exploration
- A conference was held with all NEAs and NPEAs
- 202 proposals were received.
- After scrutiny and deduplication, 44 NOCs were issued to NEAs / NPEAs.
- They have started submitting their proposals to NMET for funding



Auction

- Both major and minor mineral leases are granted through auction.
- In 2022, a relaxation was given to private land owners who want to get minor mineral leases in areas less than 4 hectare private ownership land.
- They are granted concession with one times royalty as premium amount



Year wise and mineral wise breakup of successfully auctioned major mineral blocks

Sr. No.	Mineral	Financial Year					Total
		2017-18	2020-21	2021-22	2022-23	2023-24	
1	Limestone	03	04	00	01	06	14
2	Bauxite	00	00	03	01	07	11
Total		03	04	03	02	13	25

NIT published

Sr. No.	NIT published on	No. of Blocks	Mineral	Total
1	23.12.2024	11	Bauxite (Aluminous Laterite) & Laterite	12
		1	Limestone & Marl	

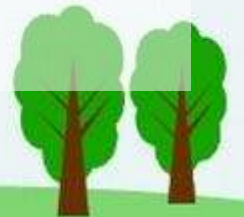
Royalty and Premium Generated from Major Mineral Auctioned Mines

Sr. No.	No. of Major Mineral Blocks Successfully Auctioned	Total Upfront Payment Received (Rs. In Cr.)	Total Royalty Received (Rs. In Cr.)	Total Auction Premium (Rs. In Cr.)
1	25	193.65	8.69	1.93

Auction

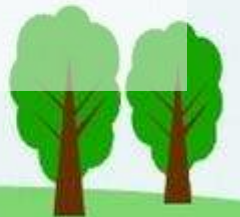
- Issues

- Exorbitant premium being quoted to block the mineral resource and continue monopoly.
- Upfront payment is quite low, so financially it is not very hurting. It can be treated as a sunk cost
- For private players who want to get mineral concession in their ownership land, there is a chance of blackmailing by unscrupulous players who keep on jacking the premium if their demands are not met.



Mineral Administration

- ILMS (Integrated Lease Management System)
- From granting of lease to day to day administration of lease / royalty payment / stock management is digitized
- Integrated with VTMS (Vehicle Tracking and Monitoring System)
- An e-wallet which gets debited whenever a royalty pass is issued.



Prevention of Illegal Mining

- VTMS (Vehicle Tracking and Monitoring System)
- All vehicles transporting minerals are mandated to have a GPS device.
- All mineral concessions are geo-fenced.
- VTMS is integrated with ILMS. Royalty pass / Delivery Challan can only be issued if the vehicle is physically in the lease boundary / stock boundary.



Prevention of Illegal Mining

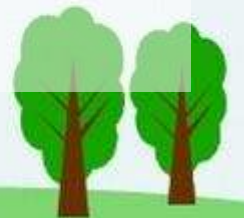
- Route violation
- Overdue trips
- Other alerts

- Drawbacks
 - It is not a panacea. If person does not install GPS device and runs vehicle totally illegally, it is required to be caught physically by investigation.



Petrography and Mineral Chemistry Laboratory

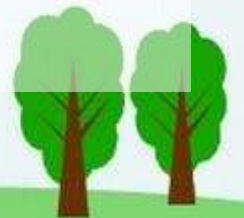
- Fully equipped to handle geochemical analysis with ICP-MS, XRD, XRF, AAS, wet lab, clay lab etc.
- We have been able to complete roughly 5000 samples for full Geochemical Mapping analysis within a period of 6 months.
- Upgradation of lab instruments are on way with NMET funding
- Plans to create a dedicated laboratory for REE and Core Library.





Thank you

- Any questions?



BEST PRACTICES UNDERTAKEN BY DEPARTMENT OF MINES AND GEOLOGY



DEPARTMENT OF MINES & GEOLOGY
GOVERNMENT OF JHARKHAND



Shri Jitendra Kumar Singh, IAS
Secretary, Department of Mines and Geology, Govt. of Jharkhand

INTRODUCTION

- ▶ Jharkhand has rich mineral deposits which contributes largely to the revenue of the state and thereby fostering its economic growth.
- ▶ Jharkhand accounts approx 30% of India's mineral wealth.
- ▶ Known as **land of Black Diamond** , Jharkhand contributes to 32% of Coal reserves in India along with being the sole producer of **Coking coal** in India.
- ▶ Jharkhand is major contributor of **Coal, Mica** and **Kyanite** in India.
- ▶ Minerals like **Gold, Silver base metals & precious stone** are still untapped.
- ▶ The first steel industry in India was established in Jamshedpur in the year 1907.
- ▶ Jharkhand state is the leader in mining, metallurgy and Steel sector.

STATUS OF MINERALS IN JHARKHAND

- **Singhbhum Shear Zone**, a 160-km long arcuate structural zone in the southern part of the state has several mineral occurrences like **Copper, Uranium, Kyanite** and **Apatite-Magnetite deposits**.
- Jharkhand has the highest Coal reserves in the country of **86 billion tons** located in Northern, Central and Santhal regions.
- Jharkhand has the second highest Iron Ore reserves in India of **5.28 billion tons**.
- Jharkhand is the only state in India to produce **Coking Coal, Uranium** and **Pyrite**.
- A good Road and Rail infrastructure along with a long history of mining in important minerals like Coal, Mica, Bauxite, Copper, Iron ore, Uranium, Graphite makes Jharkhand an important contributor of the country's economy.

**MAJOR INITIATIVES UNDERTAKEN
BY JHARKHAND IN MINING
SECTOR**

JIMMS

VTS

MSS

Review

Online
presence

Analytics

Retain

Listen

Engagement

Strategy

Tactics

Content



e-Governance Initiatives

- For effective and transparent Mines and Mineral Management department has implemented Jharkhand Integrated Mines and Mineral Management System (JIMMS). Services such as e-Permit, e-Challan and all statutory payments are done online through JIMMS.
- JIMMS system has been integrated with FOIS system of Indian Railways, VAHAN portal of MoRTH and RCD portal for effective monitoring. Process of integration with GST portal and Online Consent Management portal of JSPCB has been initiated.
- For end-to-end mineral tracking GPS based Vehicle Tracking Solution (VTS) has been implemented and Operation Control Centre (OCC) has been established. AIS-140 certified GPS to be installed in all mining carrying vehicles.
- Pilot Project for implementing Satellite based Mining Surveillance System (MSS) for minor mineral in Godda and Pakur districts with JSAC has been initiated.



Empowerment of e-governance JIMMS

- **Comprehensive and robust software**
- **IT application-based e-Governance mineral administration Platform**
- **Designed to automate all processes as per the Central Acts and State Rules**
- **Covers all 6 Mining Circles (Kolhan, Hazaribagh, South Chotanagpur, Santhal Pargana, Dhanbad and Palamu) in 24 Districts**
- Online Lessee/Dealer Profile
- Digitalized e-Permit and Transit e-challan Generation system
- Digitalization of mining information is done in the States through the JIMMS

JIMMS at a Glance



Journey

2013 to 2015

- Conceptualized in Aug 2013
- Database of all Stakeholder and Mineral Transparency Portal: Nov 2015

2015 to 2016

- Scaled up for all circle/Districts: Nov 2015 – April 2016
- e-Permit & e-Pass Piloted: April 2016
- Integrations with Treasury: May 2016

2018 to 2019

- Management fees imposed
- Integration with Railway FOIS (Freight Operations Information System)

2021 to 2023

- Integration with Vahan portal
- Integration with VTS
- **Integration with FOIS for Iron, Coal Mineral and all other Minerals**



Verification

Integration



JIMMS Intervention

Mineral Carry Vehicle Registration with Vahan Integration

Iron Ore, Coal and Other Mineral Rail Dispatch and RR Qty. Verification with FOIS Integration

Integration with GPS Based Vehicle Tracking System

Integration With Sand management System

Royalty, DMF, NMET and Other Payment through Online Payment Gateway

Bar/QR Code Scanners

En-Route Verification through Mobile Application

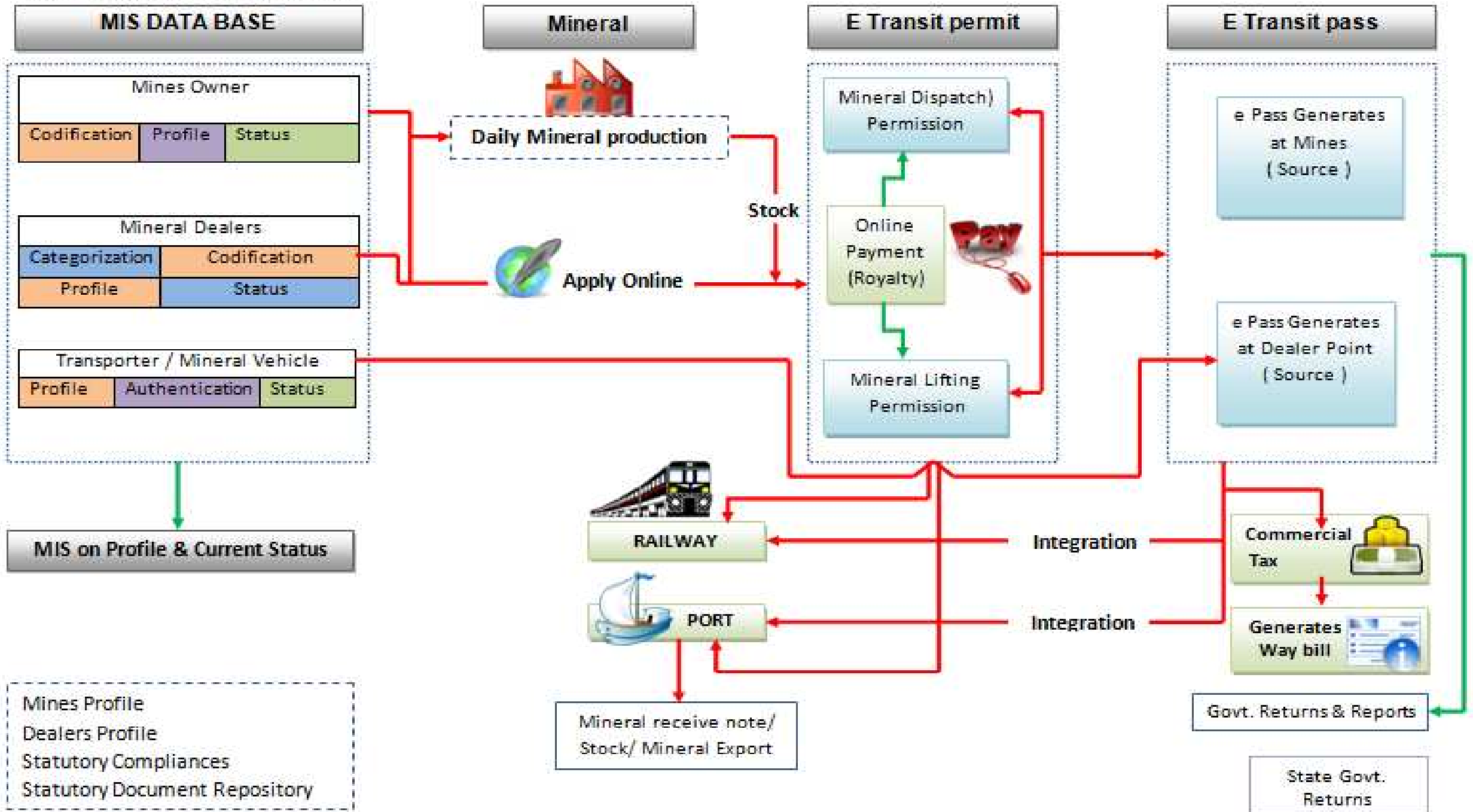
Assign Transit Pass validation according to distance between source pin to destination pin

Rail Dispatch Verification with FOIS RR Integration

MAJOR MODULES

- Database with MIS of stakeholders
- Grant of New / Renewal of Dealers
- Mineral Due Clearance Certificate(MDCC)
- Online issuance of Permit and Transport Challan and collection of Royalty, DMF, NMET, Environmental Cess & Mgmt Fee.
- Integration of all electronic Weigh bridges
- Integration with Treasury & FOIS, SMS & CM Dashboard, JSMDC.
- Transporter & Vehicle Registration.
- Demand Assessment
- Vehicle seizer Module
- Public Grievance Monitoring System
- Certificate Case Management System
- Penalty Note Generate
- Mineral Procurement from Out of State
- All reports and returns.
- **Content Based Management System Website (CMS)**

Flow Chart on End-to-End Mineral



VTS IN MINERAL CARRYING VEHICLE

PROJECT OBJECTIVES AND ITS STATUS

- 📍 Bringing efficiency to logistics and to prevent illegal transportation of minerals.
- 📍 Real time Tracking and navigating of mineral transporting vehicles from Source to Destination using GPS technology as per challan details.
- 📍 Ensuring that the mineral carrying vehicle has reached destination and as per the journey time given in challan.
- 📍 Checking of deviation in route during the transit of minerals.
- 📍 Increased transparency in mining and its logistics activities.
- 📍 Updated version of VTS Software is live from November, 2024.
- 📍 Status of Installation :- Total Vehicle Registered- **121000 Approx**
Total Device installed- **5000 Approx**
Total Device Sync with VTS Software-**133**

TEAMS INVOLVED & ROLE

INTELLIPLANNER (System Integrator)

- Responsible for Design, Development, Implementation of Software for all Vehicles
- Operate Control Room Helpdesk
- Route Planning

JIMMS

- Integration with Challan e-TP
- List of authorized vehicles to come from JIMMS
- e-TP to be printed only if GPS is active

VEHICLE TRACKING SYSTEM of DMG JH

JAP – IT (SDC)

- Provide Server Infra for Hosting Data
- Internet Bandwidth for accessing Data
- Upkeep and maintenance of servers, ILL, firewalls etc

AIS 140 VLT OEMs

- Installation of AIS 140 Compliant GPS Devices in Vehicles
- Regular Maintenance and upkeep of installed devices
- Provide Live tracking to their customers

PROCESS FLOW & EXCEPTIONS

Reports at Mines



➤ Process

- Check if GPS Working.
- JIMMS to send request to VTS to check status of GPS Installed.
- Allow for further transaction.

➤ Exceptions

- No GPS – Get Installed first.
- Installed but not working – Get it repaired.

Loading Done



➤ Process

- Generate challan by JIMMS.
- Info of Trip – Source, Destination, Qty, Mineral name sent to VTS.

➤ Exceptions

- Source (Loading in Mines) mismatch.
- Too much difference between eTP (challan) generation and time spent in Geofence area

Enroute tracking



➤ Process

- Everything OK – Vehicle leaves for destination.
- GPS to track status of vehicle in real-time.

➤ Exceptions

- Highlight and report to DMG officials

GPS Exceptions



➤ Process

- Track in Real-Time and report exceptions

➤ Exceptions

- Route Deviation
- Long stoppage
- Overshooting time period mentioned in challan.
- Disconnection of GPS
- GPS Stops working in between trip

Trip Closed



➤ Process

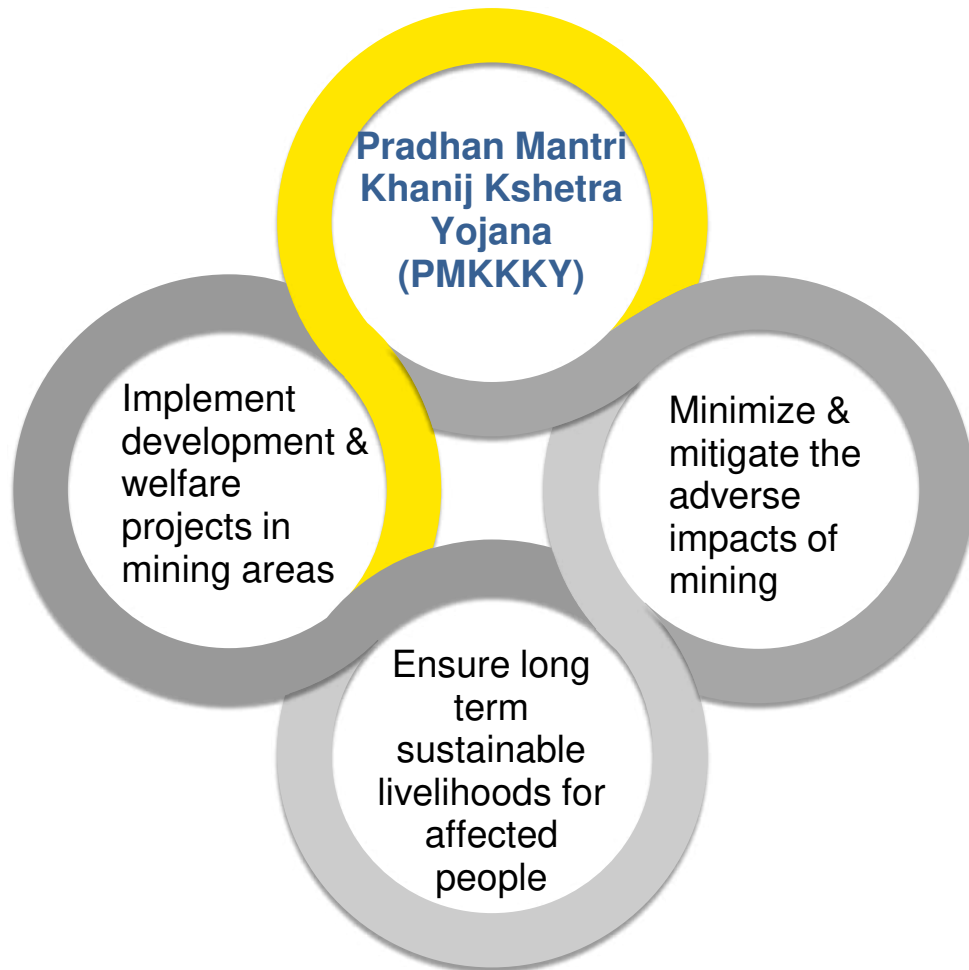
- Destination reached.
- Trip closed.

➤ Exceptions

- Mismatch in destination as per challan details by JIMMS and VTS.

**FLAGSHIP PROJECTS UNDERTAKEN
IN JHARKHAND UNDER
DMFT/PMKKKY**

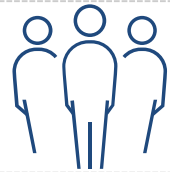
DMF/PMKKKY: Objectives & Provisions



Identification of mining affected areas into

- ▶ Directly affected areas
- ▶ Indirectly affected areas

1



Identification of affected people under/in

- ▶ Section 3 (c) & (k) of Land Acquisition Act, 2013
- ▶ Consultation with PRI members & Gram Sabha

2



Utilization of funds into

- ▶ High Priority Areas (70%)
- ▶ Other Priority Areas (30%)

3



Special provisions for PESA areas

- ▶ Approval of all plans/projects by Gram Sabha
- ▶ Identification of beneficiaries

4

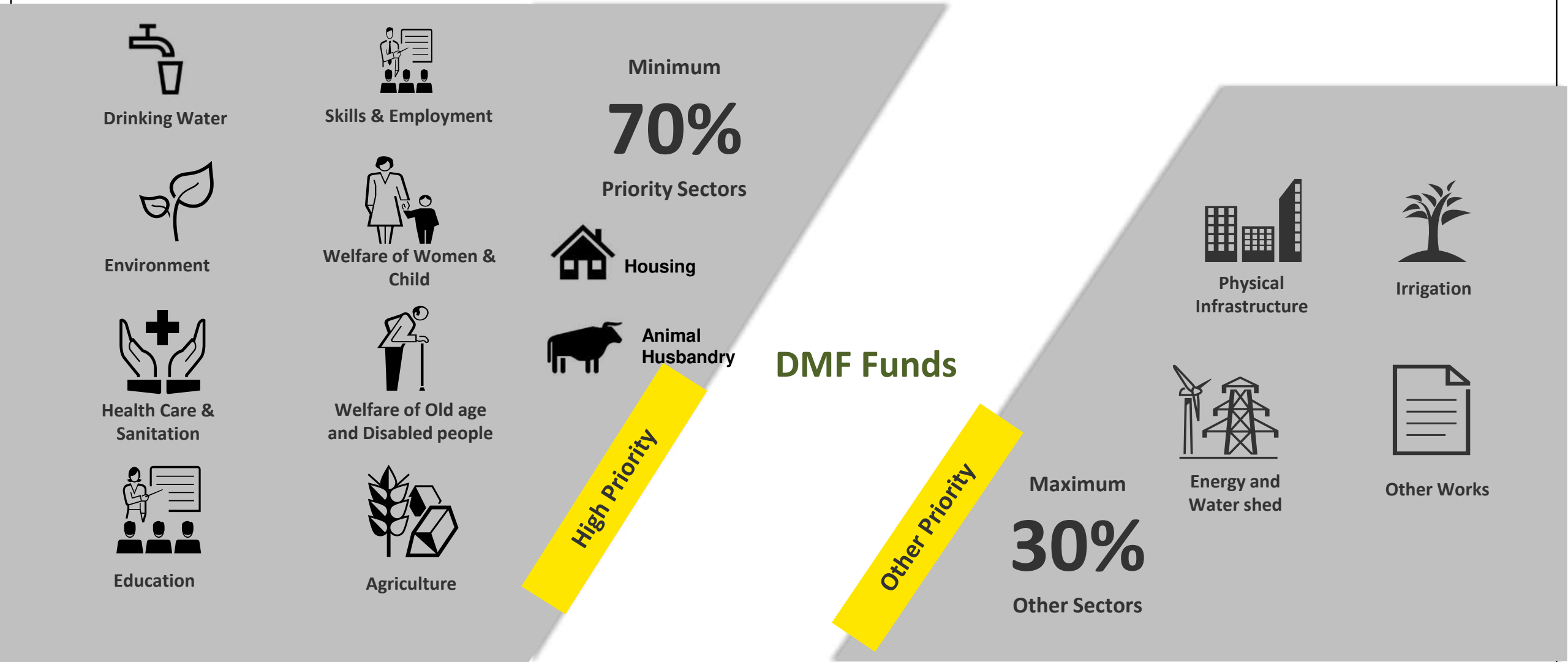


Transparency & Accountability

- ▶ Website for voluntary disclosure
- ▶ Annual Audit & Report

5

DMF/PMKKKY: High Priority and Other Priority Sectors




Drinking Water


Skills & Employment

Minimum
70%
Priority Sectors


Environment


Welfare of Women & Child



Housing


Health Care & Sanitation


Welfare of Old age and Disabled people


Animal Husbandry


DMF Funds


Physical Infrastructure


Irrigation


Education


Agriculture

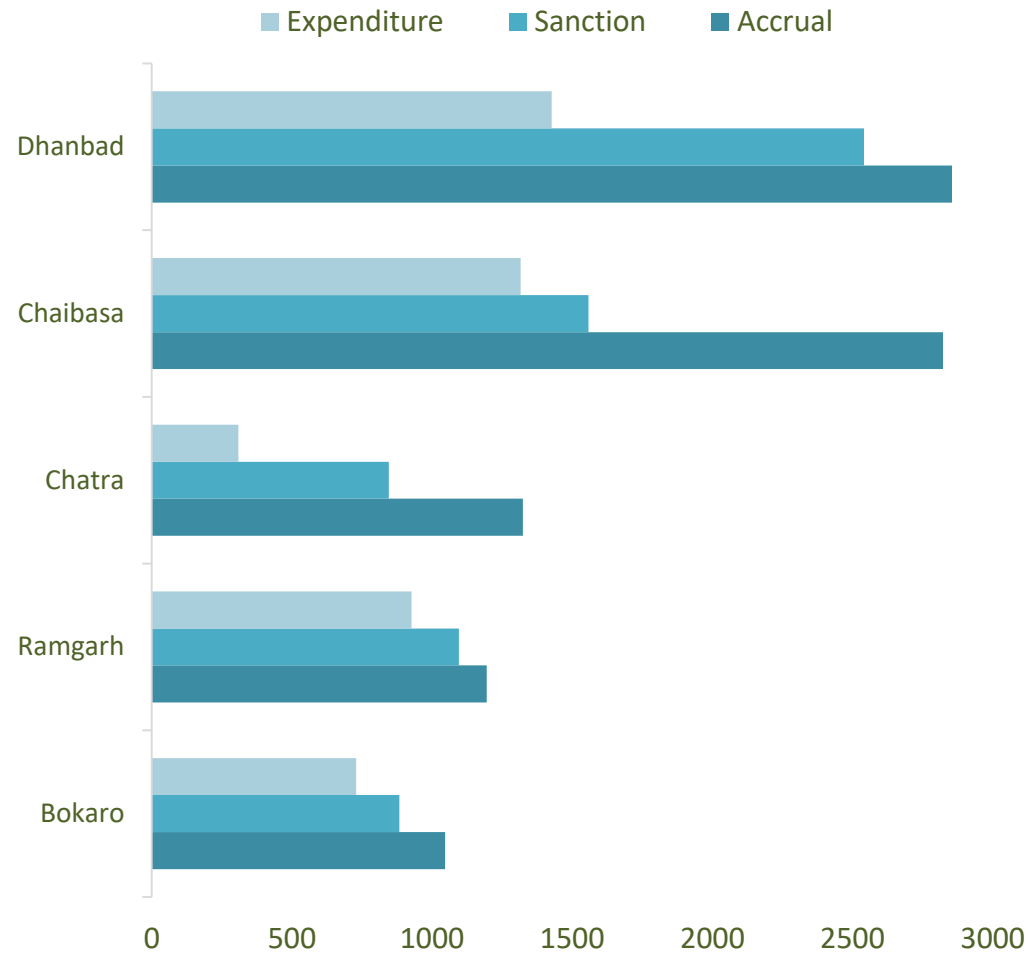

Energy and Water shed


Other Works

Maximum
30%
Other Sectors

PMKKKY: Status (Jharkhand)

District-wise accrual (Rs. in Cr)



13K+

Cr total DMF funds accrued in Jharkhand

02

districts have received ~ 25% of total DMF funds accrued

05

districts have received ~ 75% of total DMF funds accrued

NEED

- **Limited Access to Medicines:** Many residents in Chatra have to travel up to 10 kilometres to access basic medicines.
- The district has a shortage of ambulance vehicles, with only 13 ambulances serving the entire population. This inadequacy hampers timely medical interventions during emergencies.
- Many villages in Chatra are located in remote, hilly, and forested areas, making it difficult for residents to access healthcare facilities.
- Frequent stock-outs of essential medicines in public health facilities force people to buy from private pharmacies, adding to their financial burden.

IMPACT

3
Potential
Blocks
impacted

Enhanced Accessibility
and improved
emergency response

1609 medical kits
to Sahiyas

49 units of Motorcycle
Ambulance Response Unit
(MARU).

Niti Ayog
Appreciated The Initiative

INITIATIVE

The **Swasthya Chatra** initiative is a comprehensive health program launched in Chatra district, Jharkhand, aiming to enhance healthcare accessibility, availability, and affordability for its residents

Salient Features:

- Each Sahiya receives an "**Arogya Kunji**," a small bag containing general medicines for common ailments, contraceptives, sanitary pads, and other health essentials. This initiative ensures that basic healthcare services are accessible even in the most remote areas.
- **Bike Ambulance (Motorcycle Ambulance Response Unit - MARU):** Deployment of customized motorcycle ambulances capable of navigating narrow and rough roads, ensuring timely medical assistance and referrals, especially for pregnant women requiring institutional deliveries.



SNCU at Sadar Hospital

District: Ramgarh
Sector: Women and
Child welfare

NEED

- Ramgarh contribute significantly to neonatal mortality due to limited specialized neonatal care facilities.
- Efforts under programs like Janani Suraksha Yojana (JSY) have increased institutional deliveries, but many facilities lack advanced neonatal care.
- Ramgarh's rural population faces challenges in accessing timely neonatal care, often requiring travel to Ranchi or other urban centres for advanced treatment.
- Conditions like sepsis, jaundice, respiratory distress, and birth asphyxia are common in newborns which needs to be addressed in time.

INITIATIVE

- Sadar Hospital in Ramgarh established first special newborn care unit (SNCU) for providing immediate care to critical premature and neonatal babies in March 2022 with a total budget of Rs 8.48 lakhs

Salient Features:

- The unit is equipped with necessary resources required to provide secondary care to newborn infants up till 29 days after their birth.
- To address the health-related issues, SNCUs are equipped with modern and advanced medical equipment along with an ICU facility for neonatal procedures.
- Specialized Medical officers are appointed to take care of the patients admitted in SNCUs.
- Apart from this, a paediatrician, trained nurses, and a counsellor are also appointed to the unit.



IMPACT

1182
Babies
benefitted so
far

Timely management
of neonatal
complications

Specialized interventions
like thermal care, kangaroo
mother care, and
respiratory support

Eliminates the need for long-
distance referrals, reducing
treatment delays and mortality
due to transit-related risks

Within 1-2 years, the district
could see a **10-15% reduction**
in neonatal deaths due to
improved access to specialized
care.

Mega Water Supply Scheme

District: Dhanbad
Sector: Drinking
Water

NEED

- Many parts of Dhanbad, especially rural areas and urban slums, face acute water shortages, particularly during the summer months.
- Rivers and groundwater in Dhanbad are heavily polluted due to industrial effluents, coal mining activities, and untreated sewage.
- Key water sources like the Damodar River are contaminated, posing health risks.
- Lack of an organized water supply system forces industries to rely on untreated sources, exacerbating water pollution.
- Dhanbad, known as the "Coal Capital of India," has numerous coal mines and related industries that require significant water for operations.

INITIATIVE

- The Water Supply scheme in Dhanbad Urban Area Phase-II, funded by the District Mineral Foundation Trust (DMFT) with a sanctioned amount of ₹579.89 Crores, is a transformative initiative aimed at providing clean and safe drinking water to the residents of the district

Salient Features:

- Construction of WTPs, such as the 5.5 million litres per day (MLD) plant at Kandra, Dhanbad, to treat raw water from the reservoir.
- Laying of extensive pipelines to ensure equitable distribution of treated water across various regions of Dhanbad.
- Development of overhead tanks and underground reservoirs to maintain consistent water supply and pressure.



IMPACT

Provide piped clean water to over **1 million residents residing in over 76000 household**

Access to treated water is expected to decrease waterborne diseases, improving overall public health.

WTPs will reduce the impact of industrial and mining effluents on water sources, mitigating environmental degradation

WTPs treat water sourced from rivers like the Damodar, preventing further exploitation of groundwater.

The system will provide a consistent water supply even during summer months when water scarcity is severe.

Doctors on Wheel

District: Chaibasa
Sector: Health and
Nutrition

NEED

- Chaibasa is part of a tribal belt with rugged terrain, dense forests, and remote villages that are difficult to access.
- Many areas lack proper roads, making it hard for residents to reach healthcare facilities.
- The district has limited healthcare centres and hospitals, particularly in rural and tribal areas.
- Many villages are far from the nearest health facility, creating a gap in service delivery.
- A large proportion of Chaibasa's population belongs to Scheduled Tribes who face socio-economic disadvantages.
- The region faces issues like malnutrition, anaemia, malaria, tuberculosis, and waterborne diseases.
- Lack of preventive care and early diagnosis leads to higher mortality rates.

INITIATIVE

- The "**Doctor on Wheels**" initiative in Chaibasa, West Singhbhum district, Jharkhand, is a healthcare outreach program designed to deliver medical services directly to remote and underserved communities. This initiative is part of a broader effort to enhance healthcare accessibility in the region.

Salient Features:

- **Mobile Medical Units-** Equipped with essential medical equipment and staffed by healthcare professionals, these units travel to remote villages, providing services such as general outpatient consultations, primary healthcare, diagnosis, counselling, and on-the-spot dispensing of medicines.
- A total of 47 types of medicines are available for the treatment of various diseases and 08 types of tests including blood test, haemoglobin, urine, malaria test, sickle cell, ECG can be conducted in the MMU.



IMPACT

Focus is on **200 pre-identified villages** in West Singhbhum district

Over **93,000 patients** have been served since the project began in October 2022, with over **2,600 referrals**

Free or subsidized services offered by the project have reduced healthcare costs, making treatment affordable for all.

By addressing primary healthcare needs in villages, it has reduced the patient load on district hospitals and primary health centres.

Significant reduction in malaria, anaemia, and malnutrition cases.

Palash Mart Project

District: Bokaro
Sector: Skill Development
and Livelihood

NEED

- SHGs in Bokaro often lack access to formal markets to sell their products.
- Limited financial and marketing resources restrict their growth and income potential.
- Bokaro's rural and semi-urban areas face high unemployment and underemployment rates, especially among women.
- Many artisans and small-scale producers depend on traditional crafts for income but struggle to sustain their livelihoods.
- Bokaro is home to unique handicrafts and traditional skills that are at risk of being lost due to lack of market exposure and declining interest among the younger generation.
- Local producers often struggle with middlemen, who exploit their lack of direct access to markets, offering low prices for their products.

IMPACT

Palash Mart has positively impacted **2000 rural women**

The initiative's success has generated a surge in market demand for products crafted by rural women

SHG members produce **over 20 items, including agricultural** products, food, beverages, and daily essentials

The project eliminates intermediaries, ensuring fair pricing and better profit margins for producers.

The initiative promotes a more resilient and diversified local economy.

INITIATIVE

- The **Palash Mart Project** in Bokaro, initiated by the District Mineral Foundation Trust (DMFT), aims to promote and market products crafted by local self-help groups (SHGs), thereby enhancing the livelihoods of artisans and entrepreneurs in the region

Salient Features:

- The project involves the establishment of Palash Marts across various blocks in Bokaro district. Additionally, there is an ongoing initiative for the repairing and renovation of existing Palash Marts in Bokaro Steel City, with an allocated budget of ₹21.47 lakh.
- Palash Marts serve as platforms for local SHGs to display and sell their products, including handicrafts, handlooms, and other indigenous items, thereby providing them with a broader market reach..



After renovation





***Thank
You...***



3rd National Mining Ministers' Conference



20th & 21st January, 2025



Phosphorite

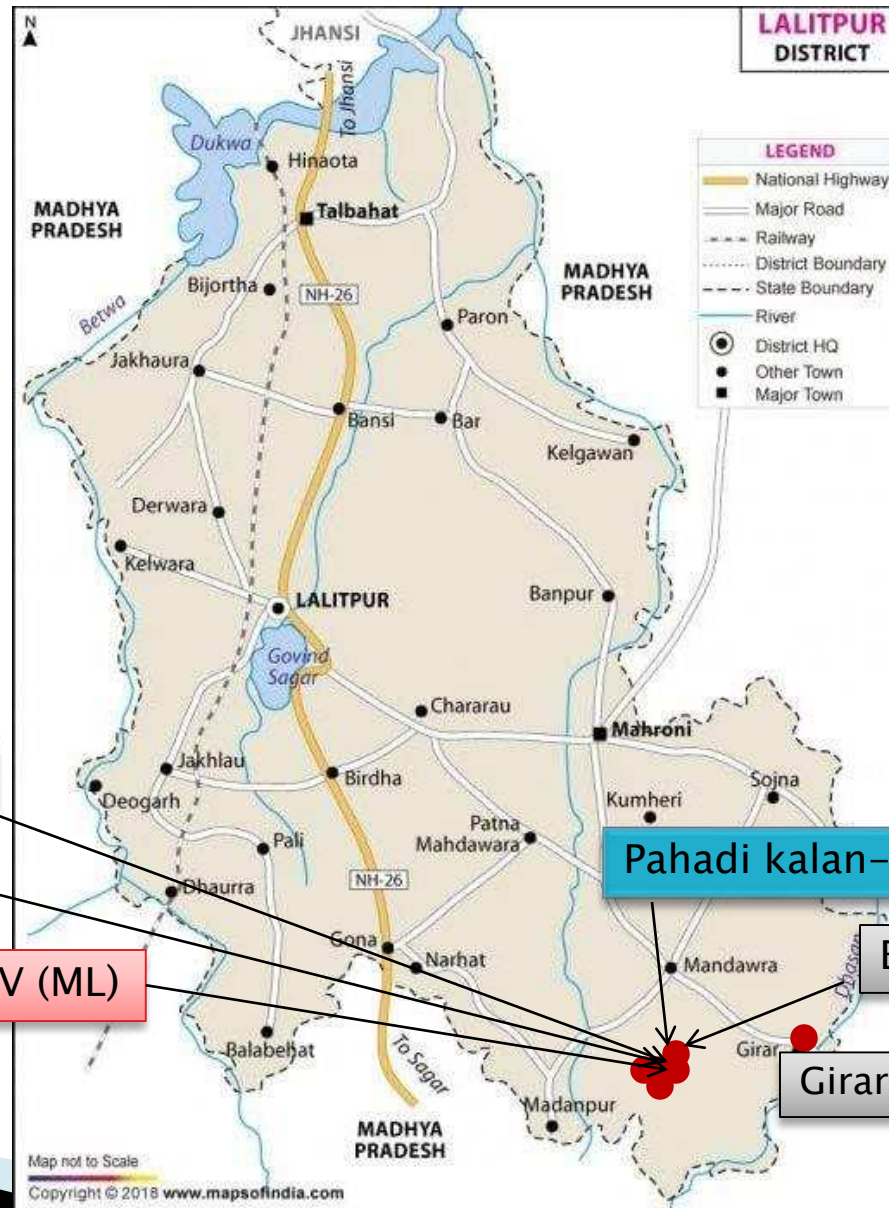
at Konark, Odisha

Directorate of Geology & Mining, Uttar Pradesh

UTTAR PRADESH: MINERAL OCCURRENCES



Auctioned Blocks in District Lalitpur, U.P.



Sonrai Phosphorite Block-I

Sonrai Phosphorite Block-V

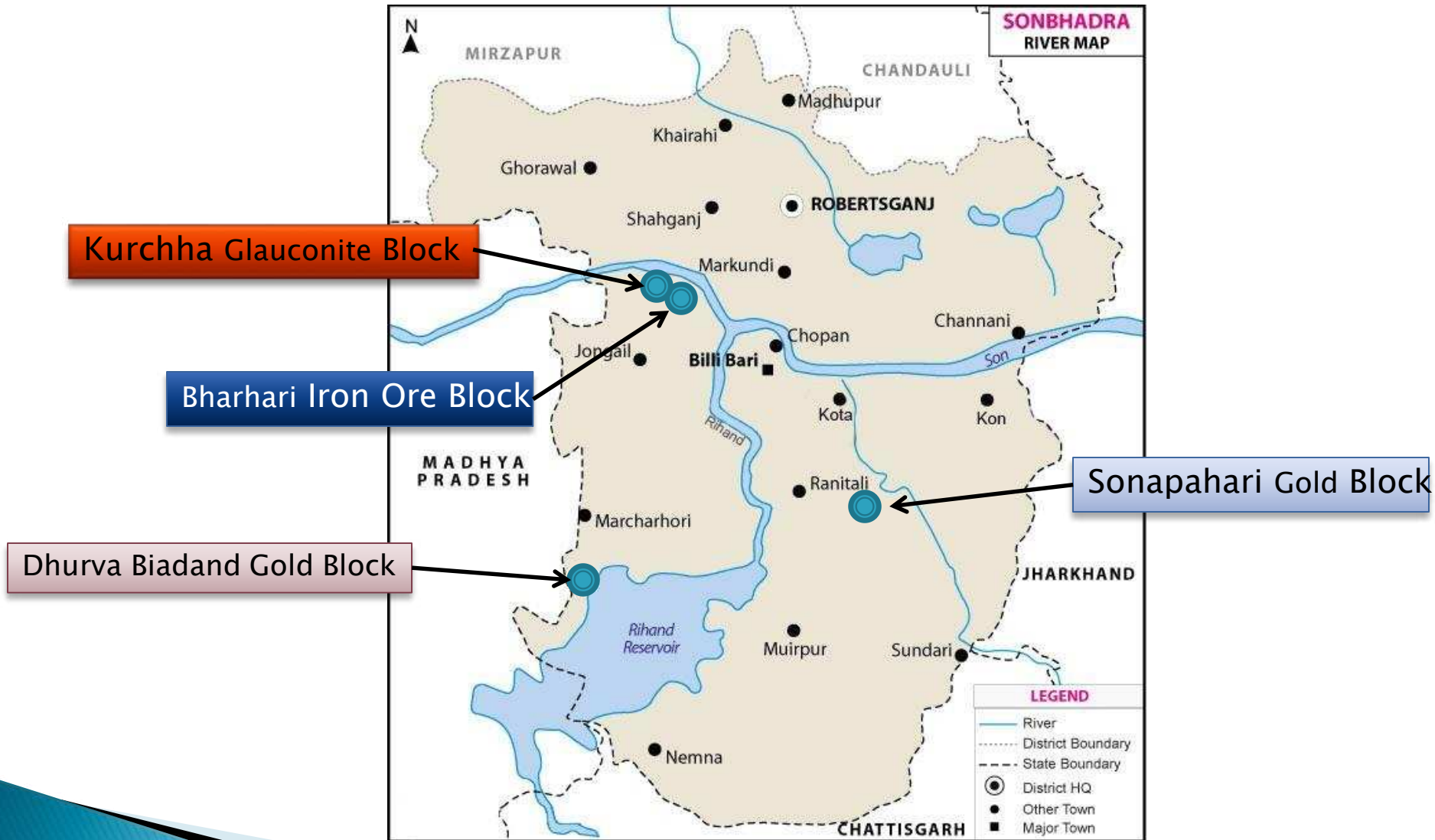
Sonrai Phosphorite Block-II_IV (ML)

Pahadi kalan-Gora kalan Phosphorite

Berwar Phosphorite

Girar Iron Ore & Gold Block

Auctioned Blocks in District Sonbhadra, U.P.



Major Mineral Blocks Available in U.P. (23 Blocks)

S.No.	District Name	Name of the block	Name of Exploration agency	Year of Exploration	NIT Date
1	Lalitpur	Sonrai Phosphorite Block -V	DGM	2019	1 st NIT Dated 05.01.2022
2	Lalitpur	Sonrai Phosphorite Block -I	DGM	2019	2 nd NIT Dated 22.05.2022
3	Sonbhadra	Dhruva Biadand Gold Block	GSI	2020-21	3 rd NIT Dated 15.09.2022
4	Lalitpur	Sonrai Phosphorite Block –II-IV (ML)	MECL	2017	
5	Lalitpur	Girar Iron and Gold Block	DGM	2013	
6	Sonbhadra	Bharhari Iron Block	GSI	2017-18	
7	Sonbhadra	Sonapahadi Gold Block	GSI	1998	4 th NIT Dated 15.09.2023
8	Lalitpur	Gora Kalan-Pahadi Kalan, District-Lalitpur	MECL	2023	1 st Tranche by Gol Dated 29.11.2023
9	Sonbhadra	Kurchha Glauconite Block, Sonbhadra	GSI	2016	3 rd Tranche by Gol Dated 14.03.2024
10	Lalitpur	Berwar Phosphorite, Lalitpur	GSI	1988	4 th Tranche by Gol Dated 24.06.2024

S. No.	District Name	Name of the block	Year of Exploration	Name of Exploration agency	Grade	Resource (MT)	Remarks
11	Sonbhadra	Hardi Gold Block	2012	DGM	0.30PPM	2.15	<ul style="list-style-type: none"> All blocks have been included in the 4th Phase of NIT dated 15.09.2023 but no response received. Gold block has low resource as compared to minimum cutoff grade 0.50 PPM Abrasive and foundry industries require minimum 55 % Al_2O_3. These blocks have low grades as per industry requirement at present.
12	Sonbhadra	Chakdumara Andalusite Block	2020	GSI	32% - Al_2O_3	24.2	
13	Sonbhadra	Bhuiyan Tola Andalusite Block	2020	GSI		24.2	
14	Sonbhadra	Pulawar-A Andalusite Block	2016	GSI	26.29% - Al_2O_3	12.17	
15	Sonbhadra	Pulawar-B Andalusite Block	2016	GSI	24.46% - Al_2O_3	22.18	
16	Sonbhadra	Saliyadh Harwariya Andalusite Block	2015	GSI	24.32% - Al_2O_3	45.87	
17	Sonbhadra	Chhipiya Sillimanite Block	2011	DGM	26.70% - Al_2O_3	6.2	

S. No.	Name of the block	Name of Exploration agency	Year of Exploration	Remarks
18	Nawatola Laband REE Block	GSI	2021	Available for next NIT by Govt. of India
19	Barwadih Glauconite Block	GSI	2016	
20	Ikauna PGE Block	DGM, UP	2018	
21	Kohiniya-Mahobkant Zirconium Block (EL Block)	GSI	2024	
22	Ningha Limestone Block (ML block)	DGM	1972 (Re-assessment in 2023)	Available for next NIT by Govt. of U.P
23	Block-B Bharhari area	GSI	2022	

Major Mineral Block Auctioned in 1st Phase NIT Dated 05.01.2022, U.P

S. No	Block Name	Preferred Bidder	LOI /CL Deed issuance date	Assigned work	Status of Prospecting	Timeline
1	Sonrai Phosphorite Block –V, Lalitpur	M/s HSM Holdings, Narmadapura, M.P.	10-06.2022 /02-06-2023	<ul style="list-style-type: none"> •19 Bore hole Proposed (1170 Meterage) •1166 Chip sample /Bore hole (collectively) 	<ul style="list-style-type: none"> •Mapping and Sampling has been completed. •Drilling of 19 Bore holes with depth of 1110 m has been completed and 542 core samples collected. •Chemical analysis of 380 bore hole samples has been completed. 	Timeline for Submission of Geological Reports 02 Years from CL deed

Major Mineral Block Auctioned in 2nd Phase NIT Dated 22.05.2022, U.P

S. No	Block Name	Preferred Bidder	LOI /CL Deed issuance date	Assigned work	Status of Prospecting	Timeline
2	Sonrai Phosphorite Block-I, Lalitpur	M/s RSHSM Commerce Pvt. Ltd. Narmadapur, M.P	14-10-2022/ 12-10-2023	<ul style="list-style-type: none"> •33 Bore hole Proposed (2065 Meter) •2065 Borehole sample) 	<ul style="list-style-type: none"> • Mapping and Sampling has been completed • Chemical analysis of P₂O₅ is awaited. • Drilling of 8 Bore holes with depth of 1030 m has been completed. 	Timeline for Submission of Geological Reports 02 Years from CL deed

Major Mineral Block Auctioned in 3rd Phase NIT Dated 23.09.2022, U.P

S. No	Block Name	Preferred Bidder	LOI /CL Deed issuance date	Assigned work	Status of Prospecting	Timeline
3	Dhurva-Biadand Gold Block, Sonbhadra	M/s Kundan Care Products Ltd., New Delhi	08-02-2023/07-02-2024	<ul style="list-style-type: none"> •20 bore hole proposed with 2000 m and of spacing 200m •Sampling as per requirement. 	<ul style="list-style-type: none"> • Chemical analysis of 1288 m in 09 bore hole • 609 samples has been completed. 	Timeline for Submission of Geological Reports 02 Years from CL deed
4	Sonrai Phosphorite Block –II-IV, Lalitpur (ML Block)	M/s Leelakrishna Industries Pvt. Ltd. , Haryana	24-01-2023		<ul style="list-style-type: none"> • Mining Plan has been approved by IBM on April , 15, 2024. • Proposal accepted and referred to SEAC • 60 Ha Land purchased for diversion. 	03 Years for signing MDPA

Major Mineral Block Auctioned in 4th Phase NIT Dated 15.09.2023, U.P

S. No	Block Name	Preferred Bidder	LOI /CL Deed issuance date	Assigned work	Status of Prospecting	Timeline
5	Girar Iron & Gold Block,Lalitpur	M/s Fomento Resources Pvt. Ltd. Panji, Goa	10-01-2024/ 28-08-2024	<ul style="list-style-type: none"> •31 Bore hole Proposed (6115 Meterage) •6284 sample (6115 Core,68 Trench,12 Pit,54 Bulk density and 25 Petrology, 10 XRD sample 	<ul style="list-style-type: none"> •Drilling of 17 bore holes up to depth of 2911 m has been completed •2737 sample collected 	Timeline for Submission of Geological Reports 03 Years
6	Bharhari Iron Block, Sonbhadra	M/s Fomento Resources Pvt. Ltd. Panji, Goa	10-01-2024/ 28-08-2024	<ul style="list-style-type: none"> •13 Bore hole Proposed (1765 Meterage) ••1863 sample (1765 Core,44 Trench,5 Pit,35 Bulk density and 10 Petrology 	<ul style="list-style-type: none"> •Drilling of 4 bore holes up to depth of 383 m has been completed. •81 sample collected 	Timeline for Submission of Geological Reports 03 Years
7	Sonapahari Gold Block, Sonbhadra	M/s Prospect Resources Ltd., Mumbai	07-02-2024	Revised Scheme of Prospecting Submitted in directorate on 13.01.2025	Scheme of Prospecting approved on 15.01.2025	

Major Mineral Block Auctioned By Govt.of India, U.P

S. No	Block Name	Preferred Bidder	NIT Dated	LOI /CL Deed issuance date	Assigned work	Status of Prospecting	Timeline
8	Gora Kalan-Pahadi Kalan, District-Lalitpur	M/s Sagar Stone Industries ,Jabalpur,(M.P)	29-11-2023	10-08-2024	-	Meeting held on 03.01.2024 in GSI for approval of Scheme of prospecting	1 yr for signing prospecting Deed from date of LoI
9	Kurchha Glauconite Block, Sonbhadra	M/s Shobha Minerals, Jabalpur, M.P.	29.02.2024	29-08-2024	-	Meeting held on 03.01.2024 in GSI for approval of Scheme of prospecting	1 yr for signing prospecting Deed from date of LoI
10	Berwar Phosphorite, Lalitpur	M/s Mamco Mining Pvt. Ltd, Jadugua, Jharkhand	14-03-2024	05-12-2024	-		1 yr for signing prospecting Deed from date of LoI

Roadmap for Operationalisation

1. Reporting and Monitoring of auctioned blocks through online portal.
2. Speedy Forest and Environmental Clearance and Consent to Operate (CTO).
3. Regular dialogue with stakeholders.
4. Upcoming stakeholders conference in U.P.- Industry Partners, Exploration Agencies among others are invited.

BEST Practices in Uttar Pradesh

MINEMITRA COMPONENTS



Citizens Services delivery right
from DSR to Deed



Integrated Dashboard

Online enforcement system: CHECK GATE



AI/IoT based Unmanned Check Post comprising of Unmanned CHECK GATE, mCheck Mobile App with DSS (Decision Support System) and Command Center based on real-time data surveillance.

- 24x7 vigil/ Inspection on mining & mineral transportation without human intervention
- Tracks suspicious vehicles, activities & raises an alert notification to the nearest MO
- Prohibits multiple transportation on single transit pass
- Curbs illegal mining practices
- Reduces Government Revenue Pilferage
- Prevents Unscientific mining & illegal transportation
- Validation of Electronic Transit Pass during transit
- Registration Number Plate Forgery Detection
- Mineral Mismatch Detection
- Decision Support System for department



**m-Check
Mobile App**



**RFID HAND Held
Reader**



**RFID Based Smart
TAG**

MINERAL MANAGAMENT

All e-Transit Passes (eTP)

- ❖ Transit Pass for mineral transportation (EMM-11), a Pass generated by the Lessee to the vehicles carrying minerals out of the mining area.
- ❖ Stockiest Transit Pass (e-Form-C) which is generated by the Licensee for the delivery of minerals.
- ❖ Inter-State Transit Pass (ISTP) to validate the authenticity or verify all vehicles ferrying minerals from neighboring states of Uttar Pradesh. These vehicles need to procure an ISTP and have to pay a regulating fee as decided by govt.

EMM-11

Form EMM-11			
Lessee Details & Mineral QTY to be Transported		Transportation Details	
1. Lessee ID:	312010000000000000	2. Name Of Lessee / Firm/ Body:	ARUN KUMAR VIHARI BHARAL PVT LTD
3. Mobile Number Of Lessee:	638677331	4. Tax Number:	
5. Licensee ID:	312010000000000000	6. License Details (Address, Village, State/Khanda, Area):	A1, 112 DEEP DELHARAD VIKRAT, 2, BAMBHARAD PAKAUDA, GHAZIABAD DISTRICT, UTTAR PRA. (19.50 m3)
7. Name Of Lessee:	KIRANWALI	8. District Of Lessee:	AGRA
9. QTY Transported in 11 Tolls (After Tax for 5000 m3):	2 m3	10. Name Of Mineral:	ORDINARY SAND (CATTOPUR)
11. Loading Point:	AGRA	12. Destination (Delivery Address):	MATHURA
13. Distance Approx. in K.M.:	20 K.M.	14. eMM-11 Generated On:	28-05-2018 10:47:31 PM
15. eMM-11 Valid Upto:	28-05-2018 10:47:31 PM	16. Travelling Duration:	2:00 (Approx)
17. Destination District:	MATHURA	18. Per Month Vehicle(s) Allow. Tax for 5000 m3:	

DETAILS OF TRANSPORTATION VEHICLE			
1. Registration Number:	UPMH2708	2. Type Of Vehicle:	TRACTOR-TRILLY
3. Name Of Driver:	BHURAJ	4. Mobile Number Of Driver:	99787979
5. DL Number Of Driver:			

This eMM-11 is valid up to 28-05-2018 10:47:31 PM

E FORM-C

eForm-C			
Licensee Details		Vehicle Details	
1. Licensee ID:	312010000000000000	2. Licensee Name:	SINGHAPRASHAD
3. Mobile Number Of Licensee:	9738880307	4. Mobile Number Of Licensee:	9738880307
5. Licensee Details (Address, Village, State/Khanda, Area):	SIVK NAGAR KANPUR SAHAR ROAD KANPUR DISTRICT MATHURA, MATHURA, (A), (A), (A), (A), (A)		
6. District Of Licensee:	MATHURA		
7. Name Of Mineral:	GRAUITE AND DOLOMITE BALLANT (GET)		
8. Destination (Delivery Address):	BETAPUR		
9. Travelling Duration:	24		
10. eForm-C Generated On:	03-07-2021 12:05:03 AM		
11. eForm-C Valid Upto:	03-07-2021 12:05:03 AM		
12. Selling Price:	00		

DETAILS OF VEHICLE			
1. Registration Number:	UPSH20117	2. Type Of Vehicle:	12 TYRE TRUCK
3. Name Of Driver:	NOOR HAMAN	4. Mobile Number Of Driver:	871112286
5. DL Number Of Driver:			

This eForm-C is valid up to 03-07-2021 12:05:03 AM

ISTP

Inter-State Transit Pass			
Mineral QTY to be Transported			
1. Name Of Transporter:	RAJU KUMAR		
2. Mobile Number Of Transporter:	7055181841		
3. QTY Transported in Cubic Meter:	30 m3		
4. Destination District:	BHARTIYANA		
5. Travelling Duration:	As per origin state transit pass		
6. eForm-C Generated On:	4/1/2021 7:20:00 AM		
7. eForm-C Valid Upto:	4/1/2021 7:20:00 AM		
8. Loading Point (Origin State):	MADHYA PRADESH		
9. Origin Transit Pass Generation Date:	31/03/2021		

DETAILS OF VEHICLE			
1. Vehicle Number:	RUP9GD0295	2. Type Of Vehicle:	12 TYRE AND ABOVE TRUCK
3. Name Of Driver:	SONU	4. Mobile Number Of Driver:	7999182783
5. DL Number Of Driver:			



LESSE/ STOKIST



FARMER



TRANSPORTER



CITIZEN

A single unified platform for issuing all permits, permissions, Lol and deed execution.

- ❖ Eliminates manual interface.
- ❖ Increases transparency & efficiency for all stakeholders.
- ❖ Full lifecycle mapping of a mineral lease from DSR to DEED, operations & closure.
- ❖ Timely disposal of applications.
- ❖ Integrated with other government portals like Nivesh-Mitra, Bhulekh & CM Dashboard.

MINES ON MAP

Integrated Dashboard for Mines, Checkgates & Stockists

A web-based application that integrates all the available data related to mining leases and provides a user-friendly interface to access the information.

- ❖ District wise Mineral Atlas.
- ❖ Geo tagging of Mines.
- ❖ Notification of new/vacant mines for auction.
- ❖ Real time status monitoring of the process DSR to Deed Execution beyond.
- ❖ Deeds Executed.
- ❖ Mineral Availability.
- ❖ Mineable & Remaining Quantity .



National Geoscience Data Repository (NGDR)

- ❖ It is a flagship initiative conceptualized by Ministry of Mines as a part of National Mineral Exploration Policy (NMEP), 2016.
- ❖ Nearly 200 Geological Reports (GR) are available in the DGM, which have already been sent to the state GSI for uploading on NGDR portal.

Use of Remote Sensing to identify new potential areas

Photo Geology & Remote Sensing

Øe laå	tuin	नये क्षेत्रो की संख्या
1.	egksck	21
2.	ç;kxjkt	20
3.	ck;nk	08
4.	yfyriqj	15
कुल		64



Use of Remote Sensing to identify any illegal mining area

Photo Geology & Remote Sensing
 में illegal mining areas को पहचानने के लिए
 किया गया :-

Sl. No.	Area Name	Area No.	Area Size (Hectare)
1.	egksck	12	02
2.	ç;kxjkt	31	09
3.	ckjnk	06	01
4.	yfyriqj	09	00
5.	lksuHkæ	05	02
6.	fet+kZiq j	21	07
7.	fp=dwV	05	02
कुल		89	23

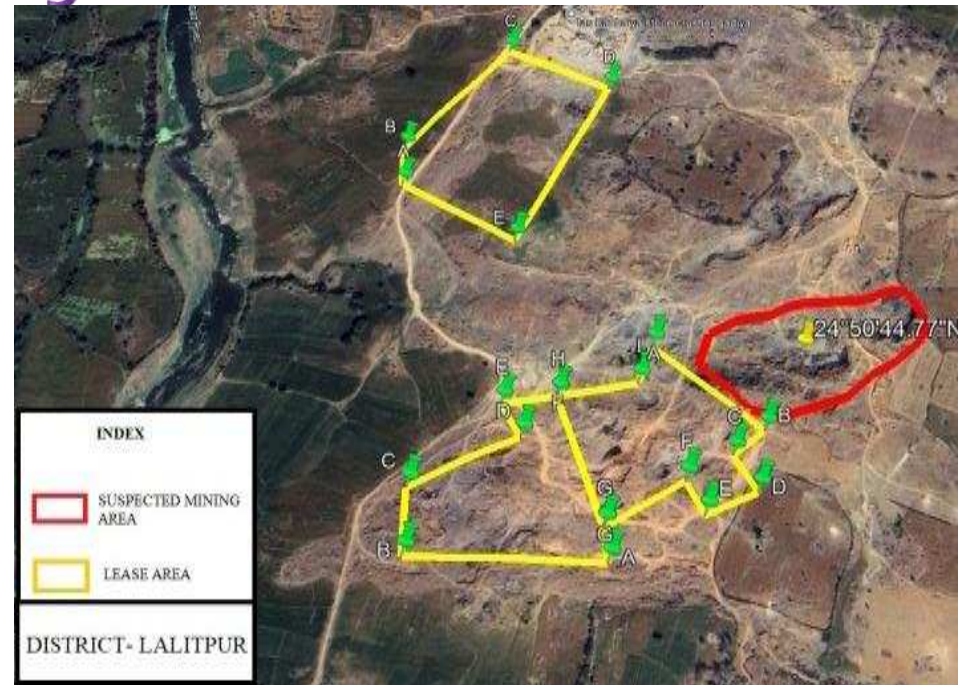


Fig : Illustration of existing lease with yellow colour and illegal mining areas (red colour) along with geo-coordinates at village Bansi, district Lalitpur.

UPCOMING INTERVENTION

GPS Enabled Vehicle Monitoring System to Track Real Time Mineral Carrying Vehicle Activity using VTS

OBJECTIVE

A Vehicle Tracking System is a GPS-based system that is installed in a vehicle to monitor and track its location, movement and status. We can track vehicles real-time on 24*7 basis through computers, smart phones, etc.

The key objective of this system are:-

- ❖ End-To-End tracking of mineral carrying vehicles in the state.
- ❖ Ensuring that vehicles are operating within designated mining zones and adhering to regulations
- ❖ Promote legal mineral transportation
- ❖ Help in Market Regulation

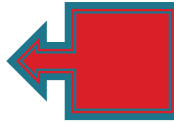
PROJECT OUTCOMES

- ❖ **Real-time monitoring of mineral carrying vehicles from Source to Destination.**
- ❖ **Ensuring issuance of transit passes only from the lease area.**
- ❖ **Real-time vehicle breakdown update**
- ❖ **Automatic trip closing by the system after the vehicle reaches the destination.**
- ❖ **Next Transit Pass (eMM-11/FORM-C/ISTP) issue only after expiry of the earlier Transit Pass.**
- ❖ **Various alerts & notification on illegal practices/irregularities.**
- ❖ **DASHBOARD & MIS**

Aerial Survey and Surveillance of Mines using Drone Technology for monitoring of leases to identify new mineral reserve and curb illegal Mining & Encroachment

OBJECTIVE

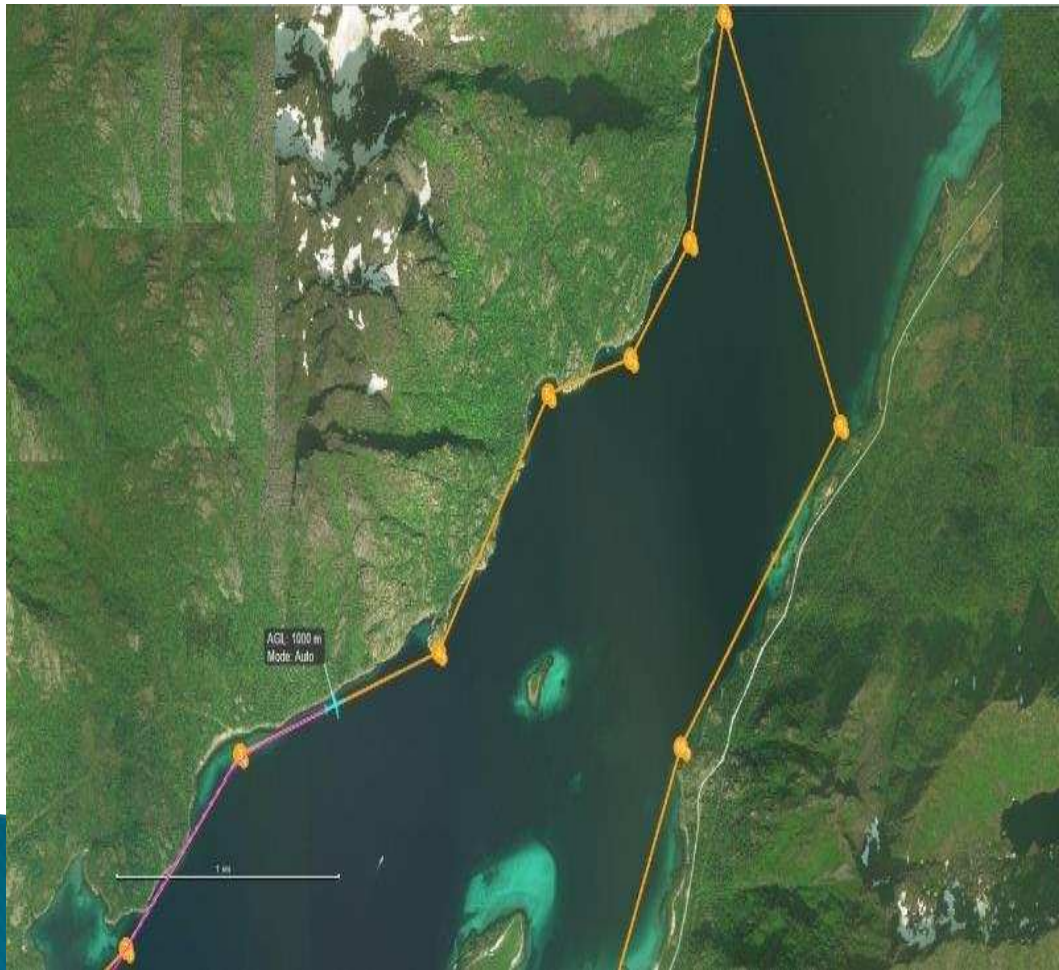
- ❖ To explore new mining areas & assess potential of lease before auction.
- ❖ To identify any mining activities in non-allocated areas.
- ❖ To perform volumetric analysis in leased areas and potential areas.
- ❖ To get the volume mined in a time frame.
- ❖ To reconcile the mined volume vis-à-vis the volume of emm-11.
- ❖ To curb illegal mining and increase revenue.



Drone based Surveillance Process

(Identification of Illegal Excavation & Encroachment)

Surveillance Using Drone (Sample)



Drone Flight Planning (as per KML provided by Department)

Drone Surveillance Outcome



Surveillance Outcome (Visual Report)



Drone based Survey Process

(Volumetric Assessment)



Bathymetric Survey for Submerged Area

PERFORMANCE OF DISTRICT MINERAL FUND

Scheme wise project details - District wise			
			(Amount in cr.)
Name of Sector	Total No. of Projects	Amount Allocated	Amount Spent
<u>High Priority Sector - 60%</u>			
Drinking Water Supply	352	175.44	168.68
Environment Preservation and Pollution Control Measures	546	57.85	49.20
Health	235	61.87	43.95
Education	4325	134.06	97.03
Welfare of Women and Children	576	26.29	22.35
Welfare of Aged and Disabled people	16	3.59	1.85
Skill Development	12	3.38	2.96
Sanitation	231	34.70	22.92
Sub Total	6293	497.17	408.94
<u>Other Priority Sector - 40%</u>			
Physical Infrastructure	401	497.00	354.13
Irrigation	7	19.51	1.660
Energy and Watershed Development	751	30.75	28.760
Other	54	13.18	13.17
Sub Total	1213	560.43	397.71
Grand Total	7506	1057.59	806.65

DMF FUND UTILIZATION IN DISTRICT SONBHADRA



To provide quality teaching work by providing basic facilities by promoting educational, physical and child development through 16 materials at 500 Anganwadi centres. COST – 265.03 Lacks



DMF Utilization in District Mirzapur

The construction of a disabled-friendly toilet unit, hand washing station, and furniture dining shed at Mahuari Kalan Primary School is a commendable initiative. This project will provide essential facilities, promoting hygiene and accessibility for all students, including those with disabilities. Many village students will benefit significantly from the improved infrastructure, fostering a better learning environment. This development highlights a commitment to inclusive and holistic education.

FY 2020-21

Cost - 11.48 Lakh

Block Development Officer,
City, Mirzapur.

Infrastructure Development at Mahuari Kalan Primary School



Education

THANK YOU



3rd NATIONAL MINING MINISTERS' CONFERENCE

Auction by States & Best Practices

GOVERNMENT OF TELANGANA

Table of Contents

S. No	Description	Slide No
1	Mineral Revenue Collections	3
2	Auction of Major Mineral Blocks	4
3	Best Practices in Mining	5 - 8
4	Sand Mining & Best Practices	9 - 11
5	Best Practices in DMF	12 - 18

MINERAL REVENUE - 2014-15 to 2023-24 ON MINING & SAND

Rs in Crores

Year	Total Mineral Revenue	Mineral Revenue Achievement	
		From Mining Dept.	From Sand
2014-15	1968.26	1958.20	10.06
2015-16	2369.71	1994.73	374.98
2016-17	3169.69	2735.69	434.00
2017-18	3704.38	3026.03	678.35
2018-19	4848.85	3962.42	886.43
2019-20	3609.78	2816.96	792.82
2020-21	3612.62	2828.87	783.75
2021-22	2381.55	1579.44	802.11
2022-23	7705.53	6948.21	757.32
2023-24	5439.93	4766.38	673.55
TOTAL	38810.30	32616.93	6193.37

Auction of Major Minerals

Mining Leases

- Telangana Govt. notified 3 Limestone Blocks in Suryapet District. i.e. Sulthanpur, Saidulanama and Pasupulabodu Limestone Blocks for conduct of auction
- Sulthanpur and Saidulnama blocks were auctioned - Preferred Bidders are:
 - Sulthanpur Block - NCL Industries (Final Bid :42.85)
 - Saidulnama Block – M/s Deccan Cements Ltd (Final Bid: 45.05)
- Both Preferred Bidders paid 1st Instalment of 20% of upfront amount
- Letter of Intent issued on 17.01.2025

Major Mineral Blocks under pipeline for issue of NIT

- 2024-25: 4 Blocks
 - 2 Limestone (G3/G4); 1 Limestone & Manganese(G4) and 1 Manganese (G4)
- 2025-26 (10A2b cases) 19 Blocks
 - 9 Limestone, 10 Manganese
- 2026-27: 9 Blocks (proposed for G3 stage exploration by M/s TGMDC Ltd)

Best Practices in Mining

- 28 Minor Mineral Blocks are ready for **auction with embedded** statutory clearances
- Dept. completed DGPS survey of all mining and quarry leases, and now carrying-out **ETS survey** (Out of 1566 working leases, completed for 764 quarry leases)

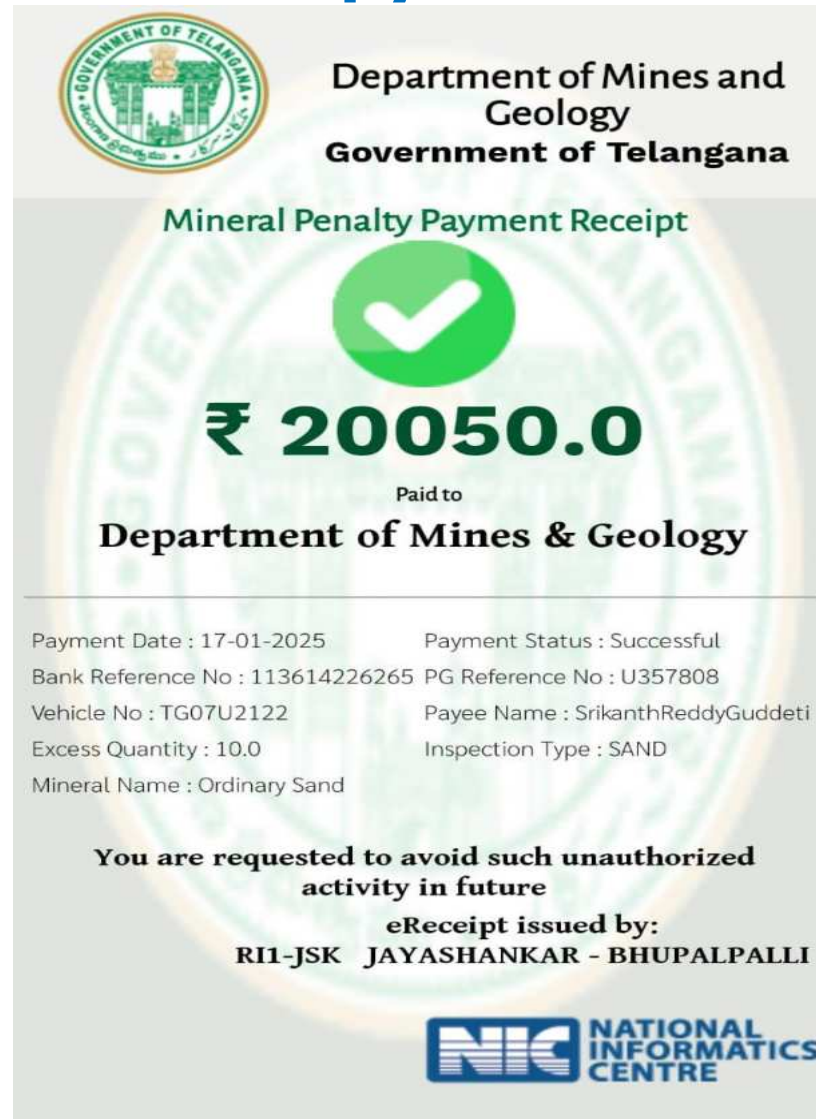
Implementation of IT Applications


- Online Mineral e-payment and **e-permit System (OMEPPS)** being implemented for the last 10 years
- Since 9 years, online generation of **Transit Passes** by Mineral Dealers for transportation of finished mineral is being followed
- Online generation **Zero Permit** for minor minerals (road metal) consumed in Government Works – Deduction of seigniorage fee by consuming Government Engineering Departments being followed since 01 year
- Since 1 year online filing, processing & disposal of **Appeal Applications** being implemented

Implementation of IT Applications


- State Government introduced **TGeMining Mobile App** which assists the field officers in checking of mineral transporting vehicles
 - Online transit forms, passes, sand transit forms will be verified during the field checking for genuineness of the bill, permitted quantity, date of approval and validity etc.,
 - In case of a violation, the app will show the excess/illegal quantity of mineral being transported and accordingly calculate the penalty amount to be paid
 - A link will be generated and sent to violators mobile number enabling to pay penalty amount through Net Banking/UPI and accordingly online receipt will be generated
- Recently, initiated installation of **CCTV cameras** at entry & exit points in the quarry leases
- Registration of Mineral Transporting Vehicles and installation of **Vehicle Tracking Device (VTD)**/GPS for vehicle tracking
- Online processing & grant of mineral concessions – Renewals, Transfers & fresh quarry leases in **Patta lands**

IT Applications - Copy of TGeMining Mobile App



 Department of Mines and Geology
Government of Telangana

Mineral Penalty Payment Receipt




₹ 20050.0

Paid to
Department of Mines & Geology

Payment Date : 17-01-2025 Payment Status : Successful
Bank Reference No : 113614226265 PG Reference No : U357808
Vehicle No : TG07U2122 Payee Name : SrikanthReddyGuddeti
Excess Quantity : 10.0 Inspection Type : SAND
Mineral Name : Ordinary Sand

You are requested to avoid such unauthorized activity in future

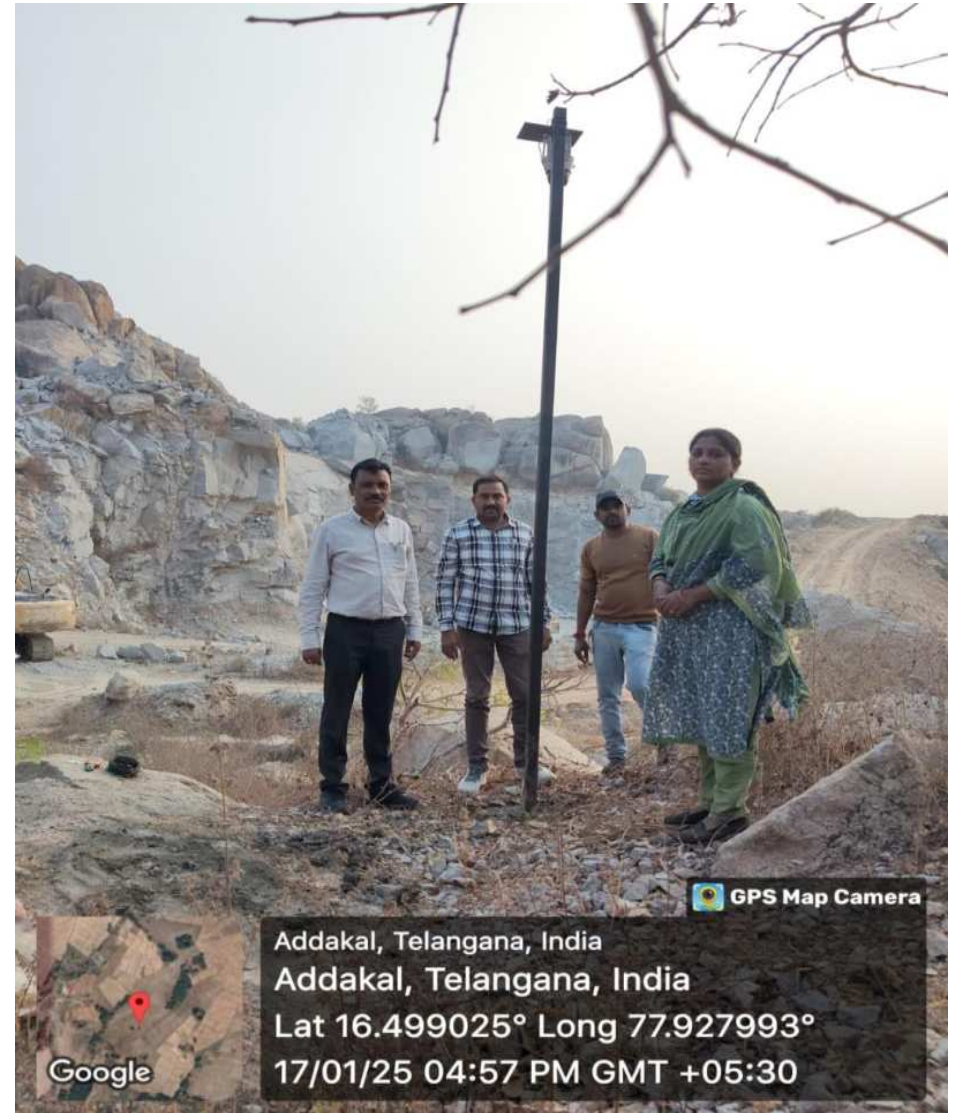
eReceipt issued by:
RI1-JSK JAYASHANKAR - BHUPALPALLI

 NATIONAL INFORMATICS CENTRE

Link sent to mobile of the payee for payment of penalty:
<https://mines.telangana.gov.in/MinesApp/home/DownloadPdf?id=U357522>

Online Receipt generated towards payment of Penalty

IT Applications – Installation of CCTV Cameras



SALIENT FEATURES OF SAND POLICY

Source of Sand

- Rivers and Streams i.e., specified sand bearing areas
 - De-silting of Reservoirs i.e., open excavation and dredging operations
 - De-casting of Patta Lands.
 - Promote manufactured sand from boulders as an alternative to river sand.
 - In Stream Mining
- I, II & notified III order Streams are left to local bodies for extraction and disposal with District as a unit as per the decision of **District Administration**
- IV & above order streams, sand excavation and sales through **TGMDC**
- Sand excavation strictly in accordance with prevailing WALTA Rules and after obtaining approved **Mining Plan** and statutory **Environmental Clearances**

Sand Production and Revenue from 2014-15 to 2024-25 (upto 15, Jan'25)

Year	Quantity (in lakh MT)	Revenue (in Cr)
2014-15	5.41	19.12
2015-16	105.5	374.99
2016-17	120.88	456.46
2017-18	196.06	678.33
2018-19	222.28	886.43
2019-20	198.93	792.8
2020-21	194.61	783.75
2021-22	198.35	802.11
2022-23	186.35	757.32
2023-24	163.82	673.55
2024-25 (Upto 15.01.2025)	139.18	570.11
Total	1,725.66	6,794.97

Best Practices In Sand Mining & Supply

- **Rules and Regulations:** Well defined rules and regulations for sand mining. Alternatives to river sand is encouraged. Changes in the systems as required by the Market
- **Identification Process:** Telangana has a thorough process of identification of sand bearing areas by having a detailed and joint inspection by multi-disciplinary teams
- **Clearances and approvals:** The clearances and approvals are obtained by the department / Corporation such as Environment Clearance and mining plan approvals.
- **Business Model:** If the objective is to keep prices affordable and accordingly regulated, then notified or controlled pricing model can be adopted as is the case with Telangana
- **IT Applications:** Online Sand booking and sales by TGMDC Ltd., through Sand Sale Management & Monitoring System (SSMMS)
- **Supply Chain Management:** Monitoring the sale of sand in the stockyards with CC Cameras and Weigh bridges
- **Demand & Supply assessment:** Constant monitoring of trends by TGMDC and taking required measures



SUCCESS STORIES



DISTRICT MINERAL FOUNDATION, TELANGANA

DISTRICT-WISE DMF COLLECTIONS UPTO NOVEMBER'2024 (since inception)

Rs.in Crores

Sl. No.	District	Other than Coal	Coal	TOTAL DMF Collection
1	Adilabad	6.50	32.24	38.74
2	Kumrambheem Asifabad	9.10	219.74	228.84
3	Nirmal	8.37	43.35	51.73
4	Mancherial	89.88	489.32	579.20
5	Nizamabad	15.59	12.73	28.32
6	Kama Reddy	22.98	12.47	35.45
7	Medak	32.98	12.29	45.27
8	Sanga Reddy	111.96	12.94	124.90
9	Siddipet	99.63	12.37	112.00
10	Mahabubnagar	62.17	12.11	74.28
11	Narayanpet	3.82	11.70	15.51
12	Wanaparthy	10.76	11.62	22.37
13	Jogulamba-Gadwal	10.06	11.74	21.80
14	Nagarkurnool	57.83	11.97	69.80
15	Vikarabad	190.54	12.46	203.00
16	Rangareddy	140.35	13.13	153.48
17	Medchal-Malkajgiri	70.69	11.96	82.64
18	Yadadri-Bhongir	73.34	11.79	85.13
19	Nalgonda	98.05	12.62	110.67
20	Suryapet	338.41	12.08	350.48
21	Janagaon	9.56	41.83	51.38
22	Warangal	14.32	37.36	51.69
23	Hanumakonda	43.82	45.74	89.56
24	Mahabubabad	28.39	45.98	74.37
25	Jayashankar	65.74	215.14	280.88
26	Mulugu	34.15	27.34	61.49
27	Karimnagar	224.45	18.01	242.46
28	Jagityal	15.23	196.19	211.41
29	Peddapally	53.30	857.99	911.29
30	Rajanna-Sircilla	29.78	23.39	53.17
31	Khammam	92.64	205.28	297.92
32	Badradri	11.31	747.80	759.11
	Hyderabad	10.20	1.55	11.74
	1% of DMF to Head Office	0.00	7.00	7.00
	Total	2085.88	3451.22	5537.10

Basic Amenities in Government Schools Statewide: (Amma Adarsha Patashala)

Amma Adarsha Patashala Scheme aims to enhance the quality of education by Laboratories, Library, Drinking Water, Toilets/Sanitation etc.

Launched: Mar 2024

Amount Sanctioned – Rs 644.93 Cr

Amount Spent – Rs 312.48 Cr

No. of Beneficiaries – all government schools in Telangana

Project: Ongoing



Improvement in drinking water infrastructure in schools



Painting and repairs in school buildings

Transforming Science Education for underprivileged students: DMF Mancherial

An activity-based science teaching and learning model benefitting students across the district with a District Science Center as a venue for science demonstrations and activities. Additionally, a mobile van is used to reach out to schools in all parts of the district which enables science education to reach even remote parts.

Launched: May 2018

Amount Sanctioned –Rs 63.50 Lakhs

Amount Spent – Rs 44.71 Lakhs

No. of Beneficiaries – More than 30,000 students benefitted

Project: Ongoing



District Science Center, Mancherial



Science Demonstration in District Science Center with students

Physical Infrastructure Improvement through DMF in Peddapalli District, Telangana

Peddapalli district has benefitted from upgradation of road infrastructure through DMF funds since inception. This has helped the citizens to access basic facilities and given boost to the economy.

Total works: 1,389

Estimated cost: Rs 555.77 Cr

No. of Beneficiaries – Entire district

Spent amount: Rs 391.82 Cr



Roads connecting villages and mandals



Roads connecting mandals with district headquarters

Project Bharosa empowers POSCO victims in Vikarabad

The project aims to provide integrated support to women affected by violence, offering immediate access to medical, legal, and psychological services under one roof.

Launched: Feb 2017

Amount Sanctioned – 1.07 Cr

Amount Spent – 59.09 Lakhs

No. of Beneficiaries – catering to 20 blocks in Vikarabad, has served over 750 beneficiaries, covering a population of 4 lakhs

Project: Ongoing



Staff of Project Bharosa Center



Services provided at the Center by Qualified Staff

Free Coaching for Police Constables Recruitment at Mancherial

DMF Mancherial funded a unique initiative to provide free coaching for youth into the Telangana State Police Department in partnership with 13th Battalion Gudipet; a division of Telangana State Special Police (TSSP).

Launched:

1st Batch: 2018 – 19

2nd Batch: 2022

Amount Sanctioned – 52.40 Lakhs

Amount Spent – 46.04 Lakhs

No. of Beneficiaries – A total of 1,513 youth were trained out of which 159 cleared their exams and got selected as Police Constables.



Physical Training for Police Recruitment



Aspirants for Police Recruitment

Thank You

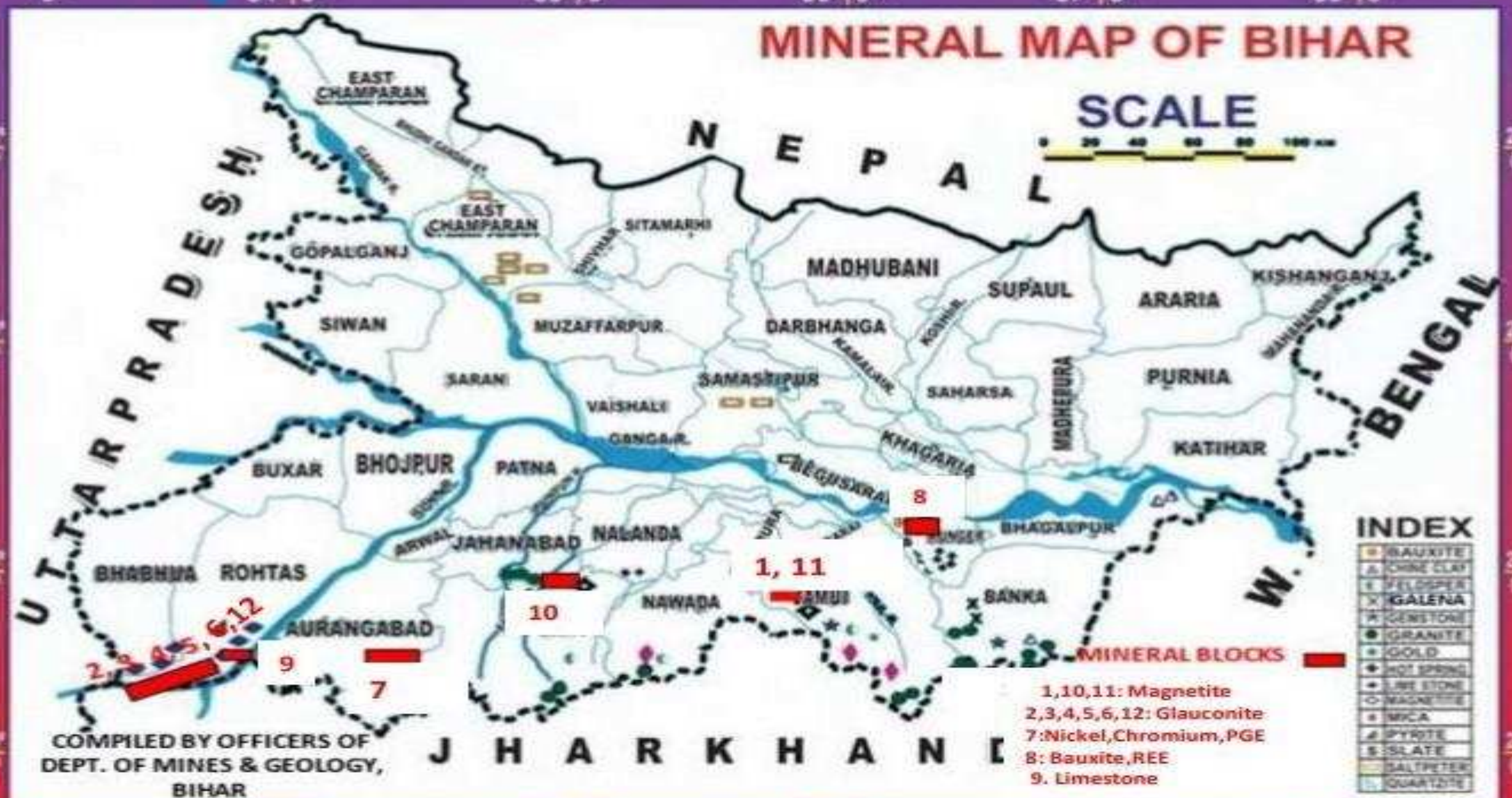


Department of Mines & Geology Government of Bihar



MINERAL MAP OF BIHAR

SCALE



INDEX

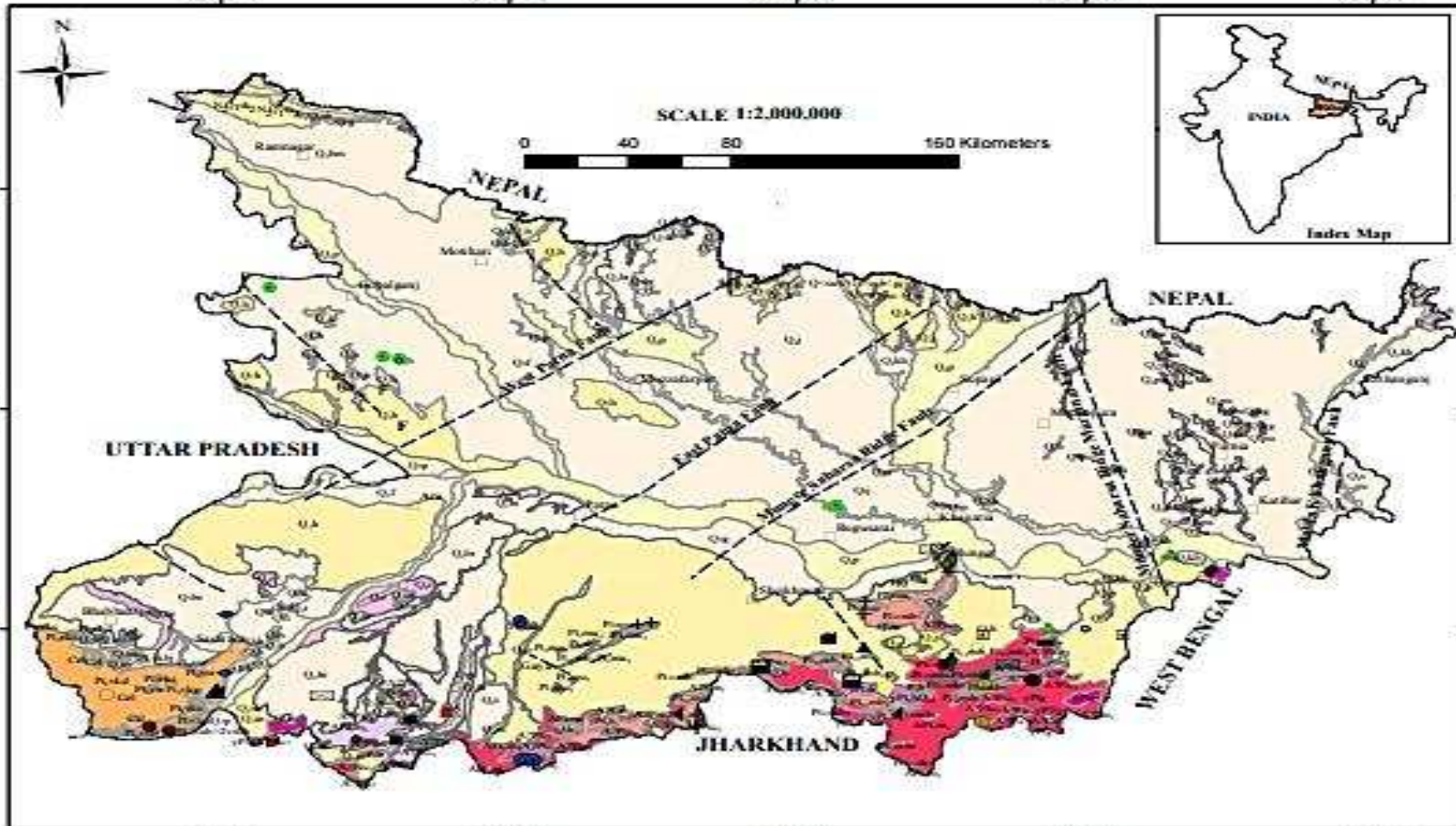
	BAUXITE
	CHINE CLAY
	FELDSPAR
	GALENA
	GEMSTONE
	GRANITE
	GOLD
	HOT SPRING
	LIME STONE
	MAGNETITE
	MICA
	SPYRITE
	SLATE
	SALTPETER
	QUARTZITE

- MINERAL BLOCKS**
- 1, 10, 11: Magnetite
 - 2, 3, 4, 5, 6, 12: Glauconite
 - 7: Nickel, Chromium, PGE
 - 8: Bauxite, REE
 - 9: Limestone

COMPILED BY OFFICERS OF
DEPT. OF MINES & GEOLOGY,
BIHAR

GEOLOGICAL AND MINERAL RESOURCES MAP OF BIHAR:END

84°0'0"E 85°0'0"E 86°0'0"E 87°0'0"E 88°0'0"E



84°0'0"E 85°0'0"E 86°0'0"E 87°0'0"E 88°0'0"E

MINERAL INDEX

- | | | | |
|---------------------|----------------------|--------------|--------------------------|
| ◆ Abrasive Minerals | ■ Chromite | ● Gold | ◆ Quartz and Silica sand |
| ● Alkaline earth | ⊙ Coal | ● Graphite | ■ PGE, Chromium, Nickel |
| ⊙ Apatite | ● Copper, Lead, Zinc | ● Iron ore | ● China Clay |
| ⊙ Arsenic | ⊙ Dimension stone | ● Limestone | ● Kankar |
| ○ Bauxite | ● Dolomite | ● Mica | ■ Kaoline |
| ▲ Beryl | ■ Feldspar | ▲ Pyrite | ■ Kyanite |
| ⊙ Tin | ● Glauconite | ⊙ Rare metal | ● Vanadiferous Magnetite |

STRUCTURAL INDEX

- Fault
- ~ Litho contact

OTHER INDEX

- International Boundary
- State Boundary
- Town/City
- + Thermal Spring

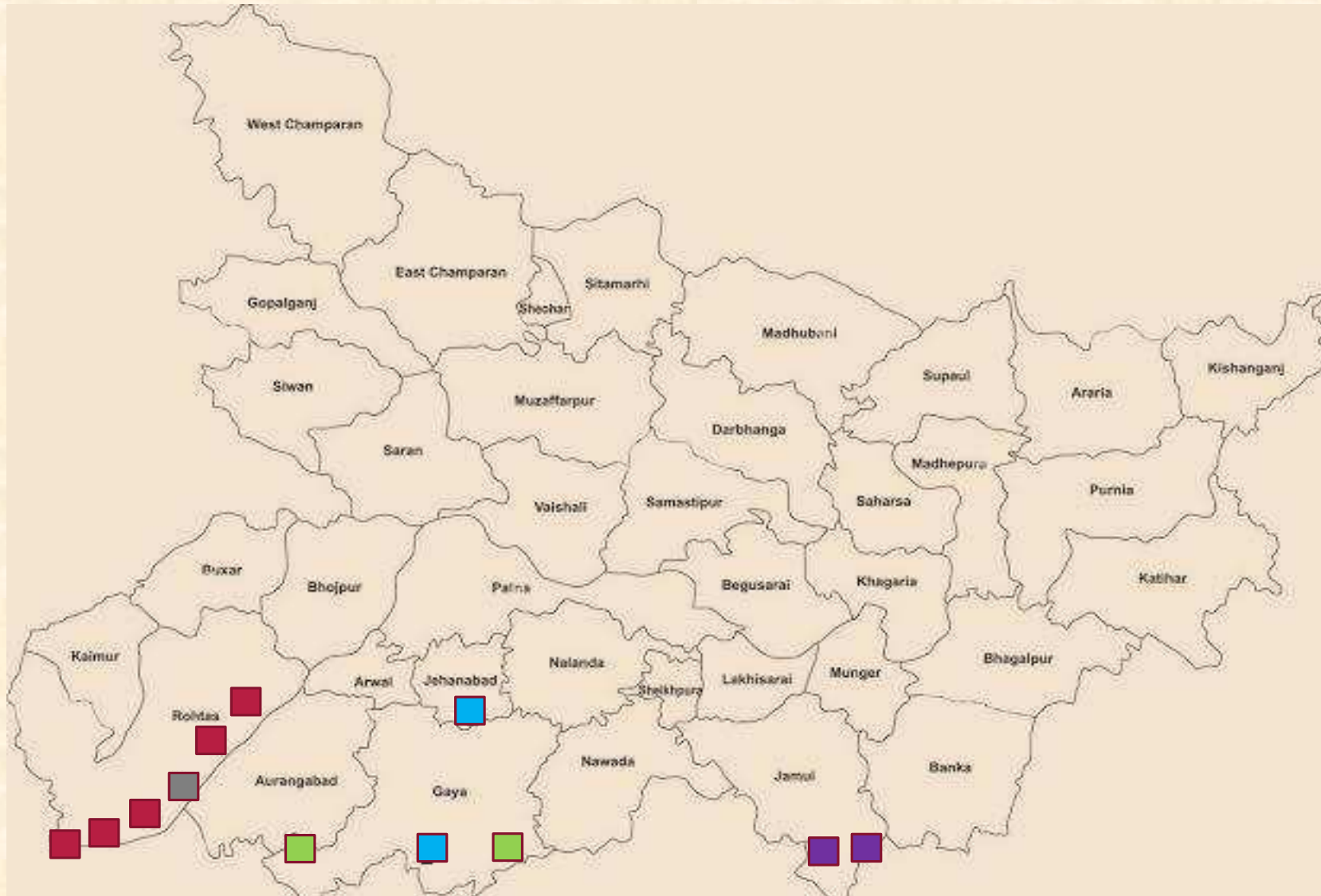
LITHOLOGY FORMATION/GROUP AGE













Lithology	Formation/Group	Age
Sand, silt, clay	Recent Dry Deposit	
Turbidly oxidized sand, silt & silty sand	Farsa Formation	
	Rangarh Formation	
	Jaynagar Formation	
	Shaspoon Formation	Miocene
Grey silty clay	Bihar Formation	
with minor kankar		
	Bira Formation	
	Maslian Formation	
	Parisa Formation	
	Bhagrathi Ganga Formation	
	Kosi Ganga Formation	
	Khajuli Formation	
Yellowish brown or impact clay	Bajpur Formation	
with calcite nodules		
	Jamui Formation	
	Kanpurhat Formation	
Clay, sandy soil	Alfonse pebbles with calcareous & ferruginous concretions	Ganarhi Formation
	Madhubani-Mohanganj Formation	
	Saradh Formation	
	Laraine Soil	Lalgarh Formation
	Laraine	
Calcareous sandstone, impure limestone & calcareous shale		Sivalik Group
Grey sandstone, clay, shale & conglomerate		
Blockier conglomerate & clay		
Basalt	Rajmahal Trap	
Sandstone & shale	Dubrajpur Formation	
Sandstone shale and coal	Barakar Formation	
Sandstone variegated shale & tillite conglomerate	Takbar Formation	
	Hazaribagh Granite	
Quartzite	Dhansiri Formation	
Sandstone	Scarp Formation	
Shale	Bijaygarh Formation	
Quartzite	Ghagar Formation	
Limestone	Robta Formation	
Glauconitic Sandstone	Bansbari Formation	
Fossil Limestone	Bangwan Formation	
Olive shale	Khajuria Formation	
Quartzite		
Phyllite	Munger Group	
Mica schist		
Quartzite	Metamorphics of Chota Nagpur Mica Belt	
Garnetiferous staurolite mica schist		
Granite		
Migmatite		
Granite Gneiss	Chota Nagpur Gneiss Complex	
Basite Gneiss		
Garnet Hornblende Gneiss		
Mica schist & phyllite		
Sillimanite-vermiculite-graphite-quartz mica schist	Inclusified Metamorphics	
Amphibolite & Hornblende schist		

27°0'0"N
26°0'0"N
25°0'0"N

Pliocene to Pleistocene
Cretaceous
Jurassic to Cretaceous
Triassic to Jurassic
Permian
Carboniferous to Permian
Upper Proterozoic
Kaimar Group
Middle Proterozoic
Sarda Group
Lower to Middle Proterozoic
Proterozoic (undifferentiated)
Archaean (?) to Proterozoic
Archaean to Proterozoic

Mineral Blocks found by GSI in Bihar



1		Rohtas - Shahpur - Akbarpur - Glaucouite
2		Rohtas - Nawadih - Glaucouite
3		Rohtas - Tipa - Glaucouite
4		Rohtas-Chutia-Nauhatta - Glaucouite
5		Rohtas-Pipradih-Bhurwa - Glaucouite
6		Rohtas- Bhora-Kathra - Limestone
7		Gaya - Aurangabad - Tin, Tungsten, Rare Earth Elements & Rare Metals - EL (GOI)
8		Gaya - Sapneri - V-Magnetite
9		Gaya - Genjana - Nickel, Chromium and PGE Block
10		Jehanabad - Patalganbga - Magnetite
11		Jamui- Majos Magnetite Block- Iron Ore (Magnetite)
12		Jamui- Majos Bhanta Magnetite Block- Iron Ore (Magnetite)

Three Major Mineral Blocks of Bihar have been recently auctioned by Government of India

Sr. No.	Successful Bidder	Name of Block	District	Mineral	Area (in Hec)	Performance Security (in Cr.)	Date of Auction	Date of LoI Issue	Auction By
1	Rungata Sons Pvt. Ltd	Chutia-Nauhatta Glauconite Block	Rohtas	Glauconite	463.995	24.52	05.07..2024	Letter No. 3286 Dt. 09.08.2024	GoI
2	Rungata Sons Pvt. Ltd	Pipradih Bhurwa Glauconite Block	Rohtas	Glauconite	415.38	24.78	04.07.2024	Letter No. 3287, Dt. 09.08.2024	GoI
3	Vedanta Ltd.	Genjana Nickel, Chromium and PGE Block	Gaya	Nickel, Chromium and Platinum Group of Element (PGE)	788.85	1.50	09.07.2024	Letter No. 3459, Dt. 22.08.2024	GoI

Government of Bihar has recently auctioned three Blocks of Major Minerals

	Sl.No	Blocks Name	District	Minerals	Area in Hectare	Date of Auction	VER (in Cr)	First upfront payment	Preferred Bidders	LoI	Resource in MT
ML	1	Bhora-Kathra Limestone Block	Rohtas	Limestone	135.92	05.11.2024	1753.38	1.77 cr	Eklavaya Stone & Mines	09.12.2024	33.25
	2	Majos Magnetite Block	Jamui	Magnetite	81.23	05.11.2024	3120.3	-	-	Annulled	48.4
	3	Bhanta Magnetite Block	Jamui	Magnetite	16.88	05.11.2024	419.2	-	-	Annulled	6.49
* On dated 31st July 2024 NIT has been published.											

Re-auctioning of two annulled blocks is under process. Meeting of TEC (Technical Evaluation Committee) & TAC (Tender Approval Committee) has already been done.

Major Mineral Blocks of Bihar

❖ Auctioned by Government of India

1. Rohtas-Chutia-Nauhatta Glaucosite Block – Glaucosite
2. Rohtas-Pipradih-Bhurwa Glaucosite Block- Glaucosite
3. Gaya – Genjana - Nickel, Chromium and PGE Block

❖ Auctioned by Government of Bihar

1. Rohtas- Bhora-Kathra Limestone Block- Limestone
2. Jamui- Majos Magnetite Block- Iron Ore (Magnetite)
3. Jamui- Bhanta Magnetite Block- Iron Ore (Magnetite)

❖ To be auctioned by Government of India

1. Gaya – Sapneri – Magnetite
2. Jehanabad – Patalganga – Magnetite
3. Rohtas - Shahpur - Akbarpur – Glaucosite
4. Rohtas – Nawadih – Glaucosite
5. Rohtas – Tipa – Glaucosite
6. Gaya – Aurangabad - Tin, Tungsten, REE & Rare Metals – EL



Best Practices
adopted by
Dept. of Mines & Geology
Government of Bihar

Control of Illegal Mining & Transportation

- ❖ **Stricter penal provisions for violation of Regulations e.g. fines upto 10 Lakh on vehicles/machineries.**
- ❖ **Intelligence gathering through public participation. Reward Scheme for informers (upto Rs 10,000 /- per vehicle seized) .**
- ❖ **Integration of challan generating NIC portal with MoRTH VAHAN portal.**
- ❖ **Establishment of Integrated Command and Control Center and 24x7 Helpline number.**

Stricter Penal Provisions for Violation of Regulations

Sl. No.	Vehicles/equipment	Compound fee (in Rs.)
1	Tractor and trolley	1,00,000/-
2	Matador/Half Truck 407, 408	2,50,000/-
3	Full Body Trucks/Vehicles (06 Wheel)	4,00,000/-
4	Dumper (Hydraulic 06 wheel) / 10 and above	8,00,000/-
5	Crane, boat, excavator, loader, power hammer, compressor, drilling machine and other equipment/machines of similar capacity.	10,00,000/-

Stricter Penal Provisions for Violation of Regulations

Sl. No.	Type of violation	Penalty (in Rs.)
1	Not installing sign board	50,000/-
2	Not demarcating with GIS Map/ Geo Co-ordinates	5,00,000/-
3	Not sprinkling water	50,000/-
4	Not having adequate lighting arrangements	50,000/-
5	Not maintaining register of production/dispatch	5,00,000/- for first violation and Rs. 10,00,000/- for second violation
6	Not planting trees as per mining plan	50,000/-

Stricter Penal Provisions for Violation of Regulations

Sl. No.	Subject	Fine (in Rs.)	
1	On Transportation of uncovered minor mineral	Tractor	5,000/-
		Other heavy vehicles	25,000/-
2	On transporting wet sand	Tractor	5,000/-
		Other heavy vehicles	25,000/-
3	On issuance of challan for a vehicle painted without the specific colour	For first time violation	1,00,000/-
		For second time violation action will be taken as per rules considering illegal mining/dispatch.	
4	On tampering or switching off the GPS device installed in the vehicle during sand transportation.	Tractor	20,000/-
		For other heavy vehicles	1,00,000/-

"BIHARI KHANAN YODDHA SAMMAN YOJNA"



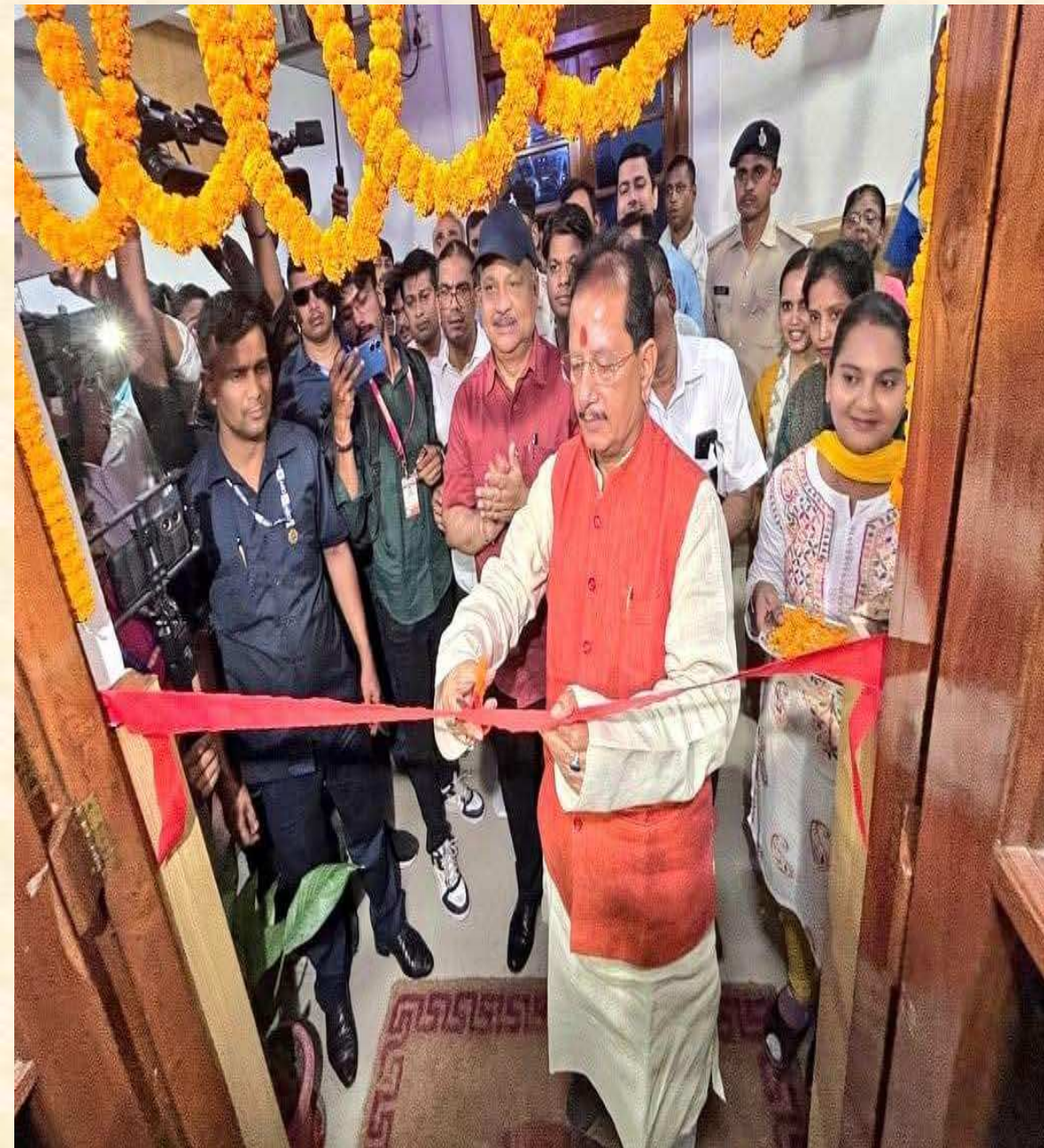
"BIHARI KHANAN YODDHA SAMMAN YOJNA"

- ❖ **Intelligence gathering w.r.t. illegal mining & transport through public participation.**
- ❖ **Reward Scheme for informers.**
- ❖ **Informers are rewarded Rs 10,000 /- per Truck/Hyva and Rs 5,000 /- per Tractor for successful raids.**
- ❖ **Secrecy of informer is strictly maintained and reward amount is transferred through non-conventional means.**
- ❖ **This scheme has generated great deterrence.**

ACHIEVEMENT POST ENACTMENT

- ❖ **Percentage decrease in No. of Vehicle Seized – 31 % (1497)**
- ❖ **Drastically fall in Overloading – 72.15 %**
- ❖ **Fine Collections – 14.93 Cr.**
- ❖ **Percentage decrease in Fine Collection – 47%**
- ❖ **Increment of Govt . Revenue - 36.30 %**
- ❖ **Decrease in FIR Lodge – 29 %**

Establishment of Integrated Command and Control Center



Establishment of Integrated Command and Control Center

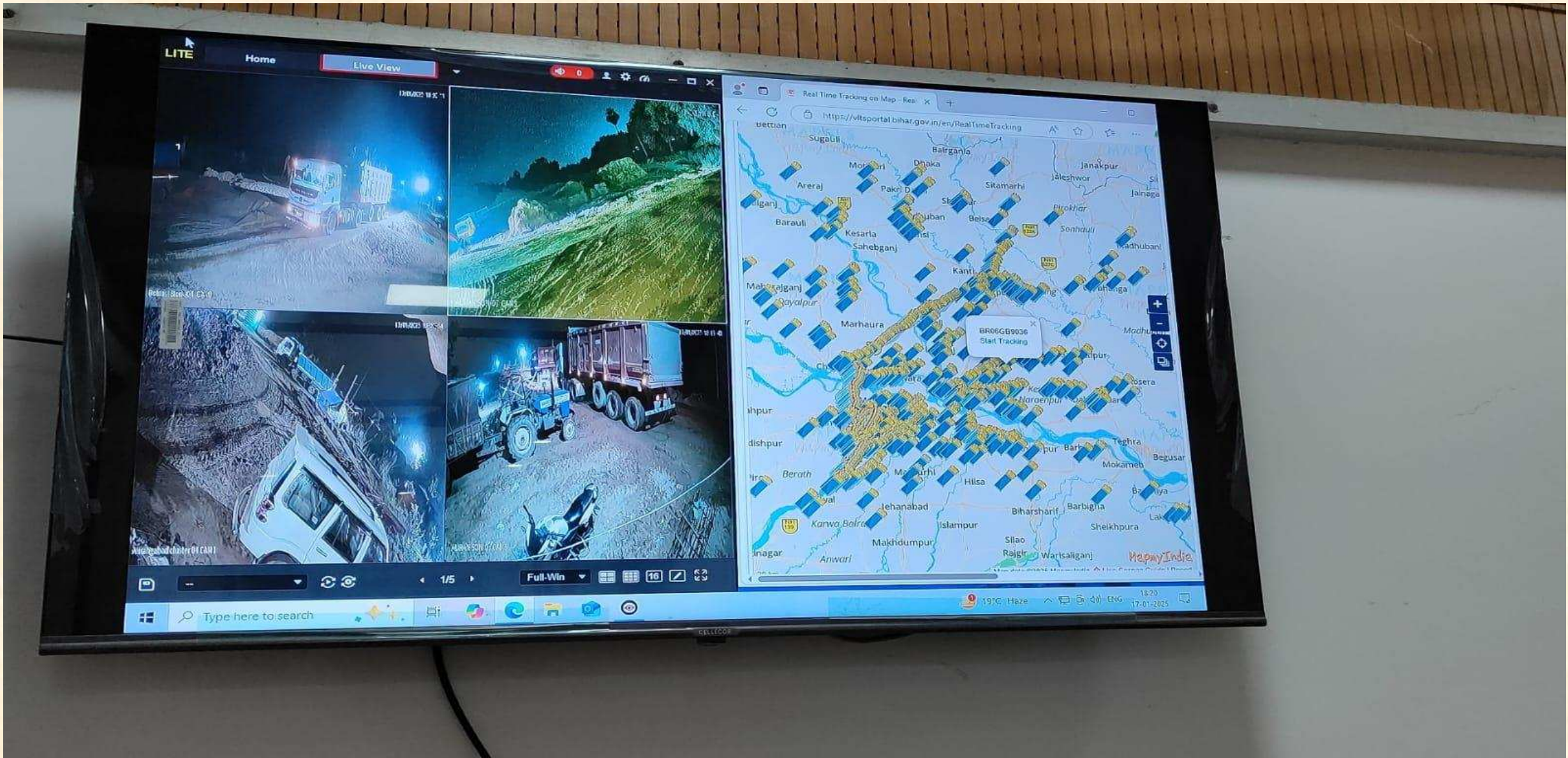


Colour Coding System for Mineral Transporting Vehicles



realme C53

Real Time Monitoring of Vehicles through VLTS (Vehicle Location Tracking System) and GPS Mapping.



Thank you

MINERAL AUCTION IN ASSAM

**3RD “NATIONAL MINING MINISTERS’
CONFERENCE”**

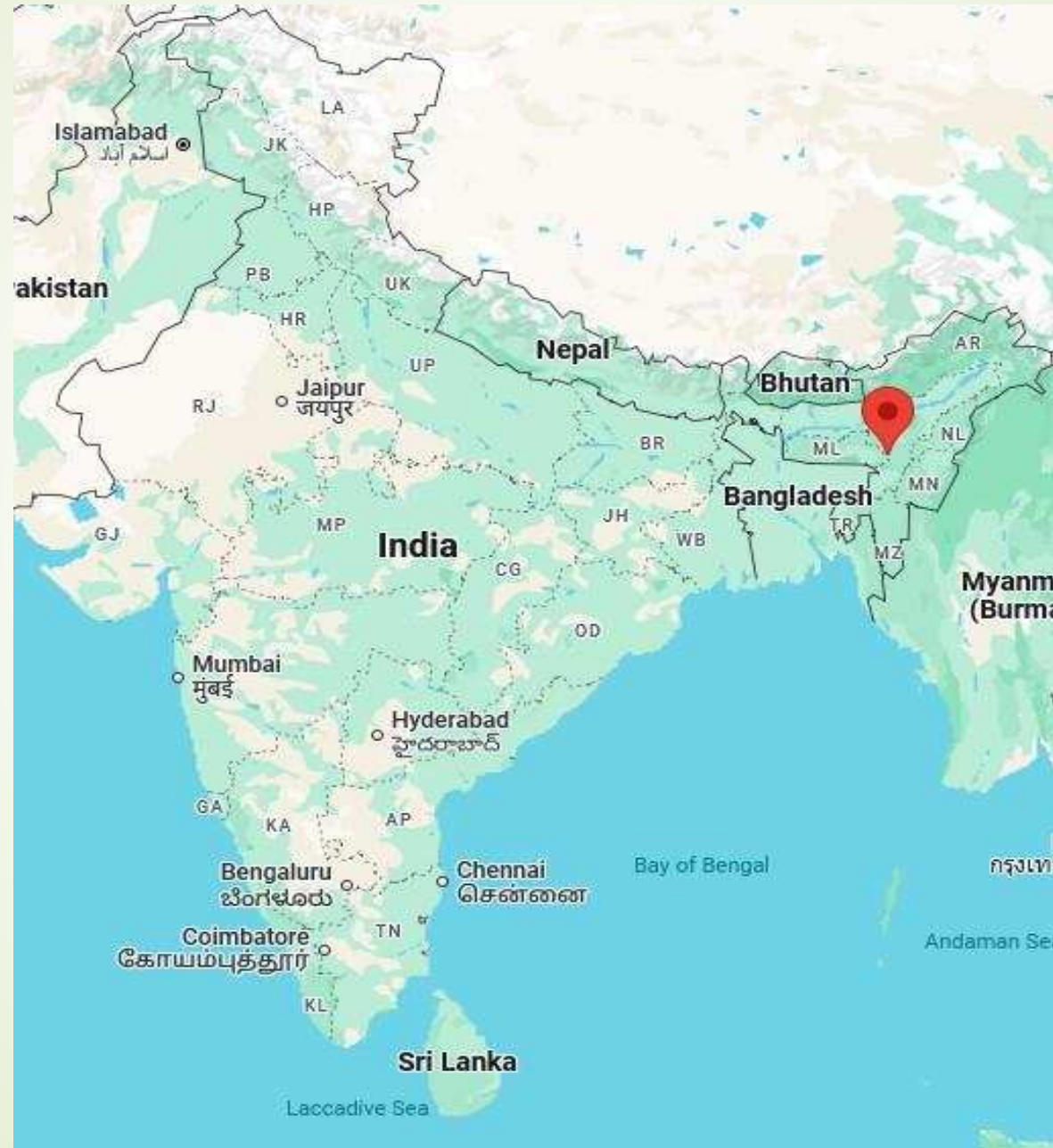
**MINES & MINERALS DEPARTMENT, GOVT OF ASSAM
DATED: 21-01-2025**

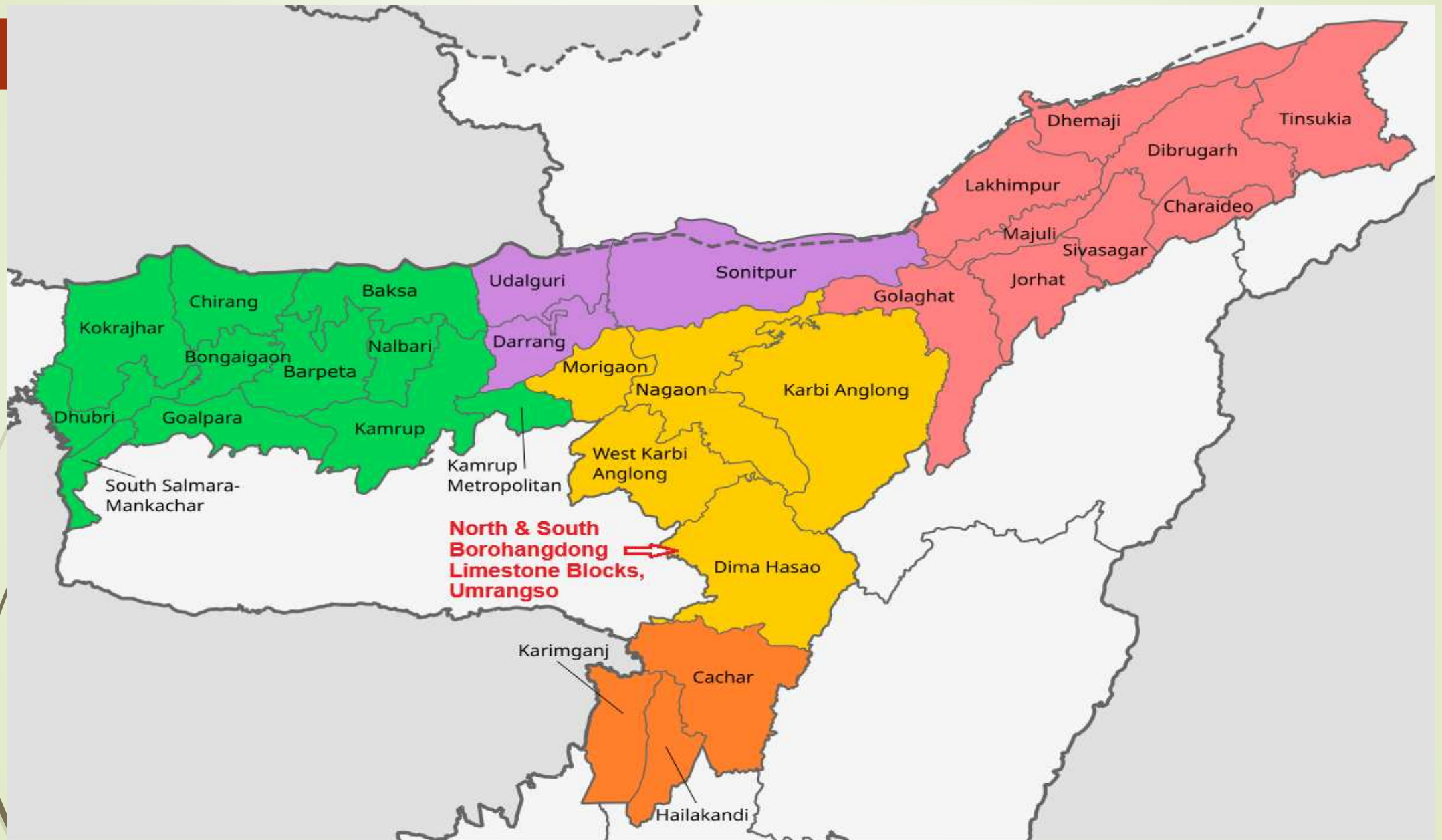
• DETAILS OF AUCTION OF 7 (SEVEN) LIMESTONE BLOCKS



SI No	Block Name	District	Commodity	Area	Reserve
				Hectare	(Million Ton)
1	North Boro Hundong Part A (G3 level)	Dima Hasao	Limestone (ML)	200	192.36
2	North Boro Hundong Part B (G3 level)	Dima Hasao	Limestone (ML)	200	282.42
3	South Boro Hundong Part A (G3 level)	Dima Hasao	Limestone (ML)	102	125.17
4	South Boro Hundong Part B (G3 level)	Dima Hasao	Limestone (ML)	130	199.49
5	South Boro Hundong Part C (G3 level)	Dima Hasao	Limestone (ML)	168	267.95
6	New Umrangsho Block (G3 level)	Dima Hasao	Limestone (ML)	70	58.75
7	Borohundong block	Dima Hasao	Limestone (CL)	400	146.75

Location in map of India





North & South Borohangdong ⇄
Limestone Blocks, Umrangso

AUCTION OF 7 LIMESTONE BLOCKS

NIT for auction was issued on 22-12-2023 and uploaded in MSTC e-auction Portal.

- Technical bid was opened on 29-06-24
- List of Technically Qualified Bidders (TQB) was prepared by the Technical Evaluation Committee.
- At the same time M/S Dalmia Cement (North East) Ltd filed a petition before the Supreme Court constituted **Central Empowered Committee** praying for refund of NPV for FC and CA Charges paid to MoEF&CC, Govt against their Limestone Mine adjoining to one of the auctioned blocks.
- CEC had a discussion on the petition of Dalmia Cement on 19th June, 2024 and communicated the record of discussion where by, state govt was instructed to maintain status quo as far as NIT is concerned.

Contd...



- CEC also asked to submit the details of land held by Dalmia, AMDCL and land of 7 auctioned blocks.
- A team of CEC also visited the locations of Dalmia's block, AMDCL's blocks and 7 auction blocks and instructed state govt to submit a detailed report as sought for.
- State Govt has completed Drone survey of all the blocks in question to ascertain tree coverage over the blocks in question.
- Govt of Assam communicated CEC for lifting the Status Quo order for early completion of remaining auction process.

PRESENT STATUS OF AUCTION

- Total 51 no of Bids were received from 9 top National Level Cement companies of India.
- * First stage auction already completed.
- * Bidders participated against all the limestone blocks (ML and CL).
- * Auction process is presently kept on hold as per Status Quo order on NIT mentioned in the records of discussions of CEC dated 19th June, 2024.
- Auction process will be resumed and completed as soon as soon as Status Quo is lifted by CEC.




Sl. No.	Name of Project	Name of Block	Remarks
8	Preliminary exploration for low grade iron ore in Chandardinga area, Dhubri	Chandardinga Block (300 Ha)	There was no participation for the Iron ore block. A letter has been written to PCCF & HoFF, Assam for 1st stage forest clearance as the block is in reserve forest.
9	Preliminary Exploration for Limestone in Saikilangso block, Dima Hasao district, Assam	Saikilangso block (400 Ha)	A letter has been written to the Principal Secretary, North Cachar Hills Autonomous Council for submission of status of land along with Cadastral map of Saikilangso area, Dima Hasao district required in preparation of Tender Documents.

Forest Issues pertaining to Status Quo

No record of USF/ Deemed Forest/ Reserve Forest area is available with Forest Department.

- **No notified forest in the auction block areas of 1270 ha.**
- **Sixth Schedule area**
- **Council Govt land in land records**

- 
- **Forest department has to only say how much ha of Tree Outside Forest (TOF) is there in each auction block area.**
 - **Forest department also has to spell out the process/ who's the authority of giving felling permission as per Assam sustainable Forest Management rules & the amounts to be deposited if any to Govt for clearance of vegetation/ TOF in each of the auction block area.**



Drone survey done & submitted.

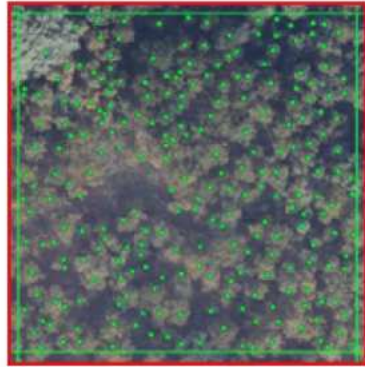
From The drone survey footage, the approximate vegetational areas in each block has been identified by DGM Assam. The vegetational areas in each block is as follows:

92°36'0.000"

92°36'36.000"

92°37'12.000"

South Boro Hundong Limestone Block (Part A)







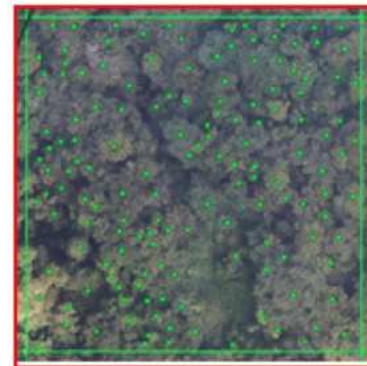
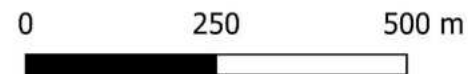
Tree Count: 245



25°26'24.000"

25°26'24.000"

-  Total Vegetated Area: 55Ha
-  Trees/Ha in Vegetated area: 120 -250
-  1 Ha Vegetation Grids (>100 trees)
-  Limestone Block: 102Ha



Tree Count: 149

92°36'0.000"

92°36'36.000"

92°37'12.000"

92°36'0.000"

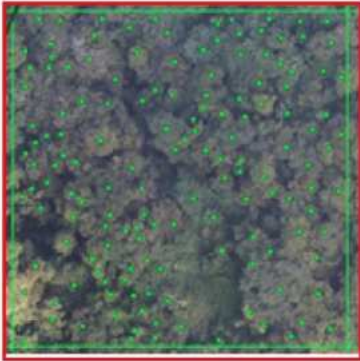
92°36'36.000"

92°37'12.000"

South Boro Hundong Limestone Block (Part B)



25°26'24.000"

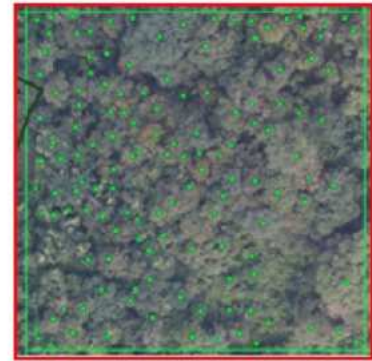


Tree Count: 225







25°26'24.000"

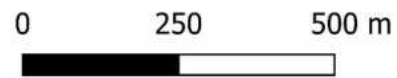
25°25'48.000"



Tree Count: 135

25°25'48.000"

-  Total Vegetated Area: 28Ha
-  Trees/Ha in Vegetated area: 120 -240
-  1 Ha Vegetation Grids (>100 trees)
-  Limestone Block: 128Ha



92°36'0.000"

92°36'36.000"

92°37'12.000"

92°36'0.000"

92°36'36.000"

92°37'12.000"

South Boro Hundong Limestone Block (Part C)

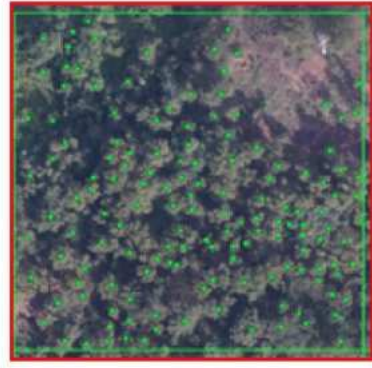


25°25'48.000"

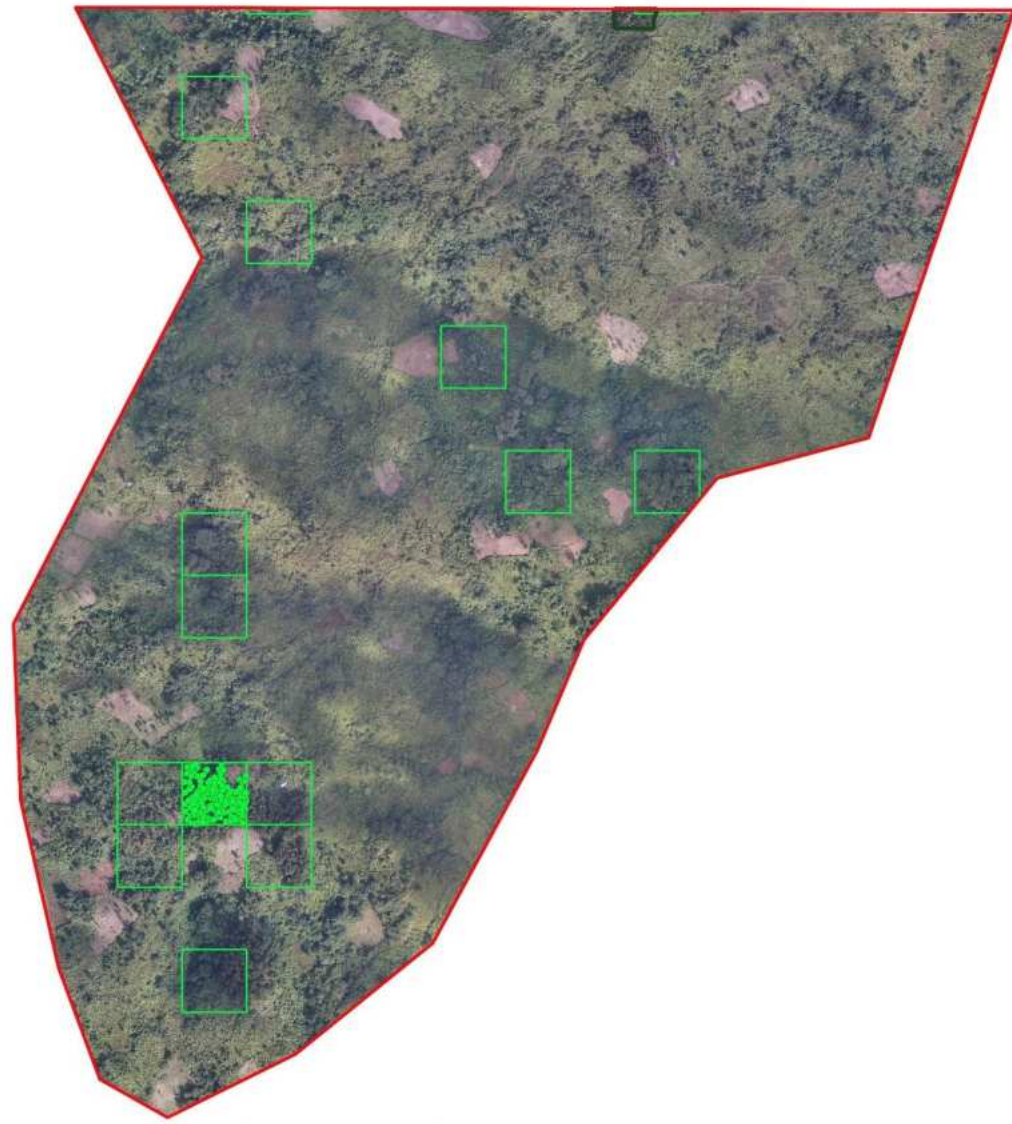
25°25'12.000"





25°25'48.000"

25°25'12.000"



Tree Count: 146



-  Total Vegetated Area: 13Ha
-  Trees/Ha in Vegetated area: 100 -160
-  1 Ha Vegetation Grids (>100 trees)
-  Limestone Block: 160Ha

0 250 500 m



92°36'0.000"

92°36'36.000"

92°37'12.000"

92°36'0.000"

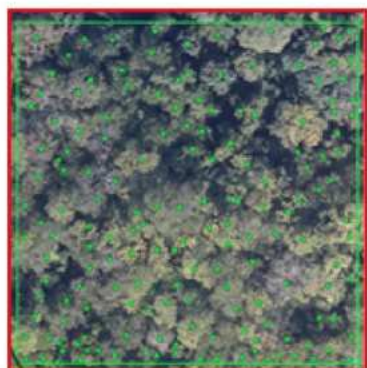
92°36'36.000"

92°37'12.000"

North Boro Hundong Limestone Block (Part A)

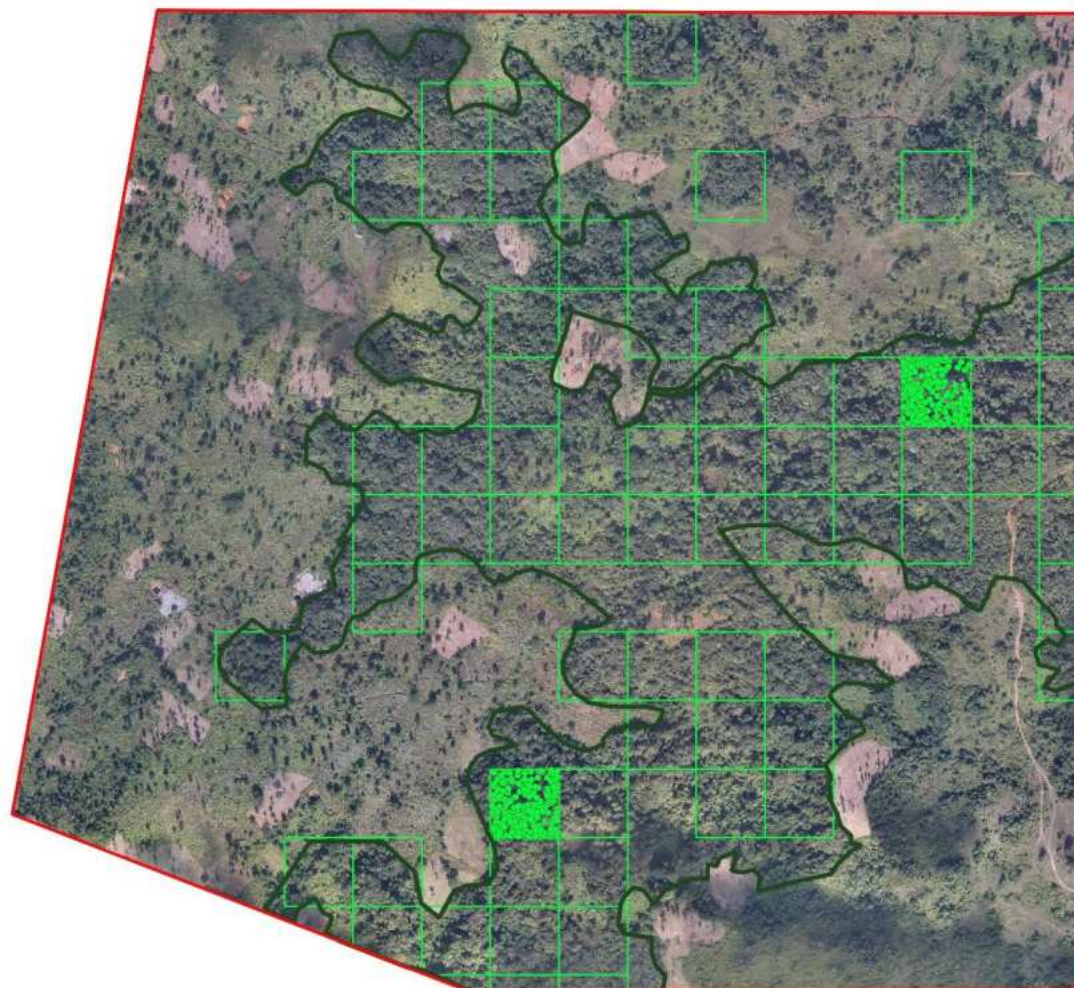


25°27'36.000"







Tree Count: 165

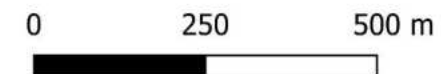
25°27'36.000"



25°27'0.000"

25°27'0.000"

-  Total Vegetated Area: 78Ha
-  Trees/Ha in Vegetated area: 100 -180
-  1 Ha Vegetation Grids (>100 trees)
-  Limestone Block: 202Ha



92°36'0.000"

92°36'36.000"

92°37'12.000"

92°36'0.000"

92°36'36.000"

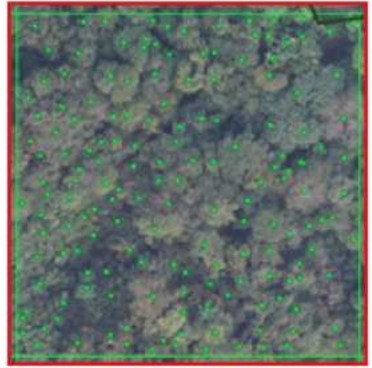
92°37'12.000"

92°37'48.000"

North Boro Hundong Limestone Block (Part B)



25°27'36.000"



Tree Count: 164





25°27'0.000"

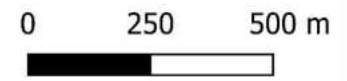


25°27'36.000"

25°27'0.000"

25°26'24.000"

-  Total Vegetated Area: 118Ha
-  Trees/Ha in Vegetated area: 100 -180
-  1 Ha Vegetation Grids (>100 trees)
-  Limestone Block: 207Ha



92°36'0.000"

92°36'36.000"

92°37'12.000"

92°37'48.000"

25°26'24.000"

92°36'36.000"

92°37'12.000"

92°37'48.000"

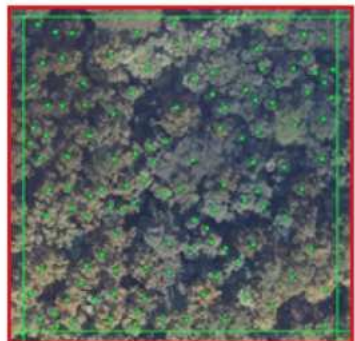
92°38'24.000"

92°39'0.000"

Boro Hundong Composite Limestone Block

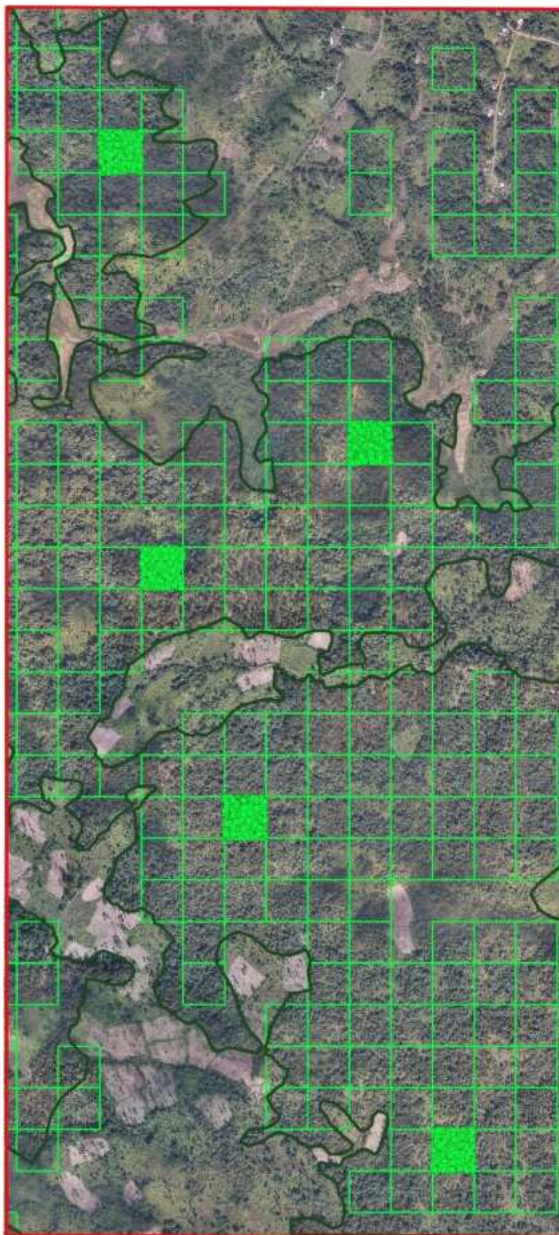


25°27'36.000"



Tree Count: 121





25°27'0.000"

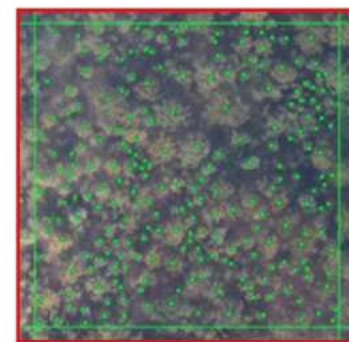


25°27'36.000"

25°27'0.000"

25°26'24.000"

-  Total Vegetated Area: 225Ha
-  Trees/Ha in Vegetated area: 120 -240
-  1 Ha Vegetation Grids (>100 trees)
-  Limestone Block: 400Ha



Tree Count: 234

0 250 500 m



25°26'24.000"

92°36'36.000"

92°37'12.000"

92°37'48.000"

92°38'24.000"

92°39'0.000"

Thank you





NATURAL RESOURCES DEPARTMENT

Auction of Major Minerals

Best Practices

District Mineral Foundation Trust

I. Auction of Major Minerals

Geological Survey of India and Mineral Exploration Corporation of India have given 20 Geological reports and Geological memorandums.

- Auction of minerals for grant of Mining Lease: 14
- Auction of minerals for grant of Composite Licence: 06
- Total 20

I. Auction of Major Minerals

10 Mining Lease: Limestone Blocks in Ariyalur district (09) and Cuddalore district (01).

- Area: 9.61 Sq.Km. Resources: 413 million metric tonnes
- Notice inviting tender issued in March-24.
- Cement companies have been requesting for right of 1st refusal.
- Corrigendum issued on 4/2024, 5/2024, 6/2024, 8/2024, 10/2024 and 11/2024.
- Schedule of auction is extended to 28-02-25.

I. Auction of Major Minerals

- Under old provisions, State Government insisted for surface rights over the land for grant of ML. Difficulties have arisen after the Act was amended.
- There is a requirement of auction, but the problem is that the land owners may not permit someone else to enter in their land and which could result in a potential deadlock. State Government suggested for a right of 1st refusal for the owner of the surface rights.

I. Auction of Major Minerals

2 Mining Leases: Limestone Blocks in Varavanai West in Karur District and Periyakurichi in Ariyalur District.

- Area: 3.30 Sq.Km. Resources: 50 million metric tonnes.
- District Magistrates have reported on public objections. (Habitations)
- Technical Committee is evaluating the proposals on geological aspects and other aspects.
- Appropriate action will be taken in due course.

I. Auction of Major Minerals

01 Mining Lease: Rare Earth Elements Block in Koratti Syenite, Tirupattur district.

- Area: 2.00 Sq.Km.
- Resources: 20.29 million metric tonnes (with 1424 ppm Niobium and 552 ppm of Uranium.)
- Uranium, Niobium and Tantalum have more than threshold value for atomic minerals.
- It is decided to grant the mining lease in favour of Tvl. TAMIN Ltd. (GoTN undertaking)

I. Auction of Minor Minerals

01 Mining Lease: Dunite Block in Sirappalli, Namakkal district.

- Area : 1.00 Sq.Km.
- Resources: 2.26 million metric tonnes.
- A minor mineral.
- It is decided to grant the mining lease in favour of Tvl. TAMAG Ltd.(GoTN Undertaking)

I. Auction of Major Minerals

05 Composite Licences: Limestone Blocks in Samipilaiyur, Keeranur, Ponneripatti, Serulipatti in Karur District and Ayan Karisalkulam in Thoothukudi and Viruthunagar Districts.

- Area: 18.79 Sq.Km.
- District Magistrates have reported on public objections.(Habitations)
- Technical Committee evaluating the proposals on geological aspects and other aspects.
- Appropriate action will be taken in due course.

I. Auction of Major Minerals

01 Composite Licence: Gold Block in Adakonda, Krishnagiri District.

- Area: 7.02 Sq.Km. (1.45 Sq.Km- Government land, 2.52- Pattaland, 3.05 Sq.Km-Forest Land)
- Technical Committee defer the proposal till arriving the methodology for the estimation of mineral price.

I. Auction of Major Minerals

Composite Licence: (Other than the 20 reports): Private persons applied for grant of Composite Licence for Limestone in 3 districts.

- Area: 3.69 Sq.km
- 11 applications preferred u/r 7(1A) of Mineral (Evidence Mineral Content) Rules, 2015 and recommended by the Committee constituted u/r 7(1B) of the said rules.
- Proposals are under the examination of the Technical Committee.
- Appropriate action will be taken before Feb 2025.

II. Best Practices (Technological Initiative)

Differential Global Positioning System

- Geo-Fencing of boundaries of leasehold areas for monitoring of mining operations.
- Empaneled agencies: 23
- Lease boundaries of 113 mines and 1756 quarries are fixed.

II. Best Practices (Technological Initiative)

Drone Technology

- Introduced in 2022 to determine the exact quantum of mineral excavated from the lease hold areas.
- Empanelled agencies: 13
- 203 quarries were surveyed during Dec-23 to Jun-24.
- Excess quarrying of mineral found in 160 quarries. Follow up action is being taken up.
- 116 quarries are being surveyed in Jan-25.

II. Best Practices (e-Initiative)

1. **e-auction of minor minerals** : Successfully conducted auction in 6 districts in Dec-24

2. **Bulk permit** : Live since July -24

3. **e-app** : End-2-end solutions for processing quarry lease applications.
Set to go live by end of Jan-25

4. **e-permit** : Set to go live by end of Jan-25

II. Best Practices (Policy Initiative)

M-Sand/ Crushed Sand Policy: Introduced in 2022.

Highlights

- Promotes the usage of quality products.
- Regularize the manufacturing units.
- Promote recycling of the coarse and fine aggregates in construction sector and usage of quarry waste.
- Ensure the adherence of BIS standards.

777 M-Sand Units are registered under the Tamil Nadu Prevention of Illegal Mining, Transportation and Storage of Minerals and Mineral Dealers Rules, 2011.

II. Best Practices (Policy Initiative)

Sustainable Mining Policy: Introduced in 2021-2022.

Focus areas

- Economics sustainability
- Environmental sustainability.
- Socio-Economic sustainability.
- Good governance for management of mineral resources.

II. Best Practices (Other Initiative)

Apportionment of seigniorage fee and lease amount to Village Panchayats

- Introduced in 1989.
- 100 % seigniorage fee levied on minor minerals and lease amount from common use minor minerals, such as rough stone, pebbles and gravel apportioned to Village Panchayats.
- An average of 291.45 Cr per annum is apportioned.
- Village Panchayats are using the fund for development projects and welfare activities.

II. Best Practices (Welfare Scheme)

Farmer's Welfare Scheme – Silt and Clay from tanks for Farmers / Potter

- Launched in July 2024
- Permission is given to Farmers and Potters for removal of Silt and Clay from the tanks through e-seva centers for agriculture and pottery purposes.

Outcome

- Increase the storage capacity of the water bodies without any expenditure to the Government.
- Making available nutrient rich soil for agriculture.
- Permissions granted for the removal of 67.59 Lakh Cbm of Silt and Clay.
- Beneficiaries : 54,147 farmers and potters.

Photos

Desilted Tank in Konai village in Villupuram District



Transport of clay and silt from a tank in Villupuram District



II. Best Practices (Other Initiative)

Management of abandoned quarry

- 354 abandoned quarries in Government Lands are identified in 2021.
- These quarries are being converted into water reservoirs for public utility.

Green fund

- Created in FY 2021-22.
- Objective: Reclamation, Rehabilitation and Restoration of abandoned quarries.
- Slab: 10 percent of seigniorage fees for transport of minor minerals within the state and 50 % of such fees for transport of minor minerals to other States.
- Rs 180 Cr is collected for the period from Feb-22 to Dec-24.

II. Best Practices (Other Initiative)

Success Story

- Abandoned rough stone quarries in Sikarayapuram and Malaiyampakkam villages in Kancheepuram district are converted into water reservoirs.
- During summer, facing water shortage, water from these quarries are taken to Chembarabakkam water treatment plant. The treated water is supplied to 3 zones in Chennai Corporation by Chennai Metro Water Supply and Sewerage Board in 2023.
- Water supply at the rate of 30 MLD of water is possible from these quarries.

Photos

Abandoned Quarries



Water Floating Centrifugal Pump



II. Best Practices (Other Initiatives)

Success Story

- Abandoned rough stone quarries in Thirisulam village in Chengalpet district are converted into water reservoirs.
- Water from these quarries is taken into 5 MLD capacity of water treatment plant situated near such quarries. The treated water is supplied to Tambaram Corporation for drinking purpose.
- Water supply : 2.0 MLD.

Photos

Abandoned Quarries



Water Floating Centrifugal Pump



II. Best Practices (Preservation of Geo-Heritage)

Fossil Wood Park

- Wood Fossils of about 200 MY in Tiruvakkarai Village in Villupuram district.
- Area: 50 hectares.
- Cost of Project: Rs 5 Cr.
- Project Year: 2020 – 21.



II. Best Practices (Preservation of Geo-Heritage)

Marine Fossil Park

Marine Fossils of Cretaceous age (65 MY) in Periyannagalaur village in Ariyalur district.

Area: 4 hectares.

Cost of Project: Rs. 5 Cr.

Project Year: 2013-2014.



II. Best Practices (Preservation of Geo-Heritage)

Marine Fossil Park

Marine Fossils of Cretaceous age (65 MY) in Kolakalnatham and Karai villages in Perambalur district.

Area: 411 hectares.

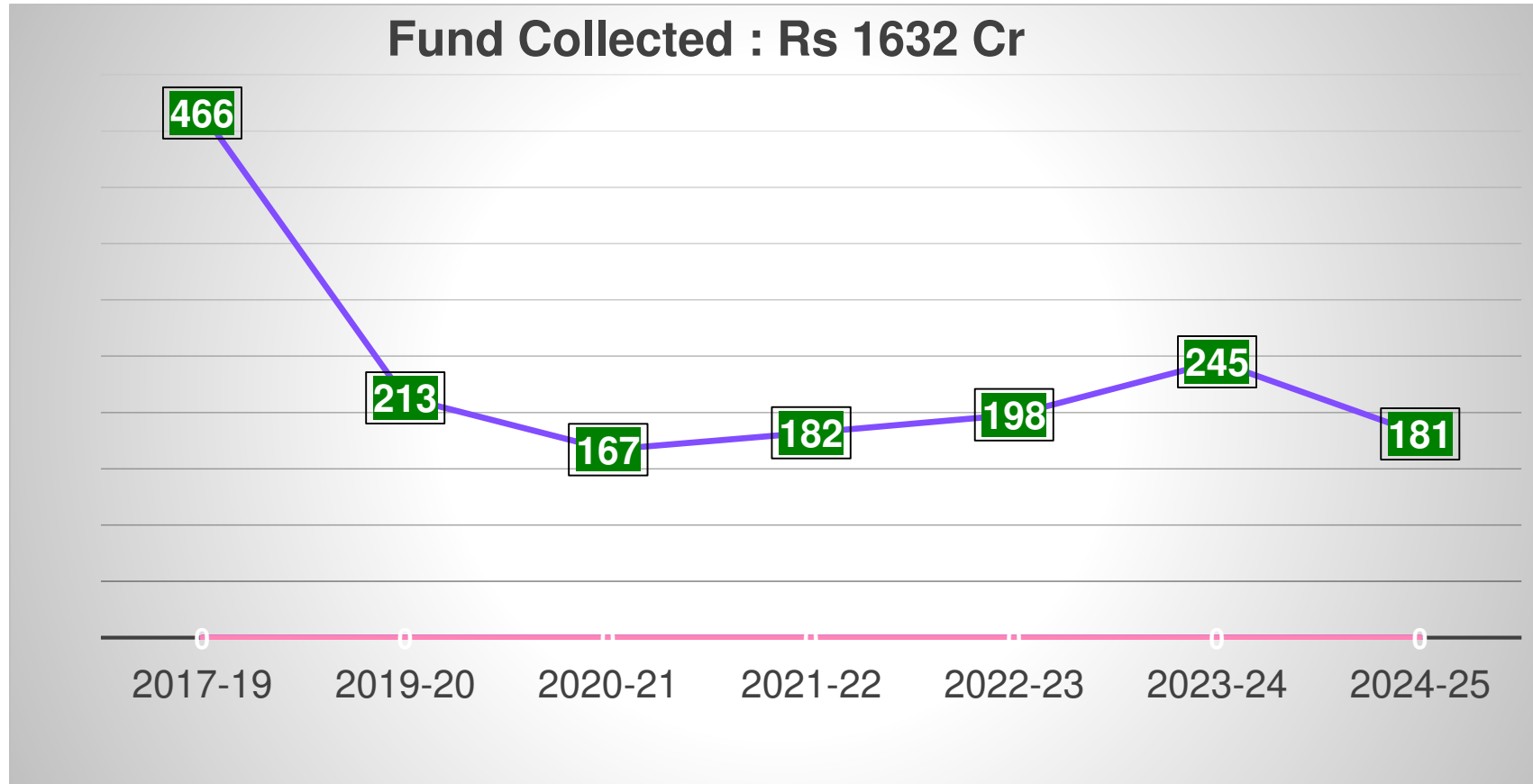
Cost of project: Rs. 10 Cr.

Project Year: 2022-2023.



III. District Mineral Foundation Trust

District Mineral Foundation Trust is established in 37 districts



High Priority Sectors:
2,180
Projects@565.73 Cr

Other Priority
Sectors: 1,051
Projects@ 467.23 Cr

III. District Mineral Foundation Trust, Welfare Projects

High Priority Sectors

Sl. No	Sector	Project	Cost of Project (Rs in Cr)
1	Drinking water	54	329.66
2	Education	531	98.30
3	Health	675	94.83
4	Sanitation	167	11.78
5	Welfare of Women and Children	76	7.00
6	Environment Preservation and Pollution Control Measures	42	17.46
7	Skill development	35	4.92
8	Welfare of Aged and Disabled People	113	1.77
Total		2,180	565.73

Drinking Water Project

- Location: Theni district
- Project: Revamping the combined water supply scheme in Vallalnathi and 22 other rural habitations.
- Project Cost: Rs. 16.95 lakh.
- Project Year : 2018 -2019.



Education Project

- Location: Tiruvannamalai District.
- Project : Science Park.
- Project Cost: Rs. 40.02 Lakh
- Project Year: 2019-2020



Education Project

- Location : Kanniyakumari district.
- Project: Smart Class room in Government Higher Secondary School in Bhoodhampandy village.



- Project Cost : 1.54 Lakh
- Project Year : 2018-19

Health Project

- Location: Ariyalur district
- Project: Purchase of 2 Nos of Dialysis Machine.
- Project Cost : 12.00 Lakh
- Project Year : 2018 – 2019



Welfare of Women and Children



- Project : Kanmani Special Diet Scheme is started to improve the nutritional status of underweight children.

- Location : Virudhunagar District
- Project Cost : Rs. 23.72 Lakh
- Project Year : 2022-2023



Skill Development

- Location: Chengalpattu district
- Project: Computer training imparted to students in Government Service Home.
- Project Cost: 10.00 Lakh
- Project Year: 2022 - 2023



III. District Mineral Foundation Trust, Welfare Projects

Other Sectors

Sl. No	Sector	Project	Cost of Project (Rs in Cr)
1	Physical Infrastructure	905	239.49
2	Irrigation	60	210.69
3	Energy and Watershed Development	42	12.86
4	Others	44	4.19
	Total	1,051	467.23

Irrigation Project

- Location: Ulundurpet Taluk in Kallakurichi District
- Project: Construction of an Anicut cum artificial recharge structure across Nariyan Odai to feed Nilan Eri and Senthanadu Periya Eri.



- Project Cost : Rs. 4.50 Cr
- Project Year : 2020 – 2021

Irrigation Project

- Location: Sendurai taluk in Ariyalur district.
- Project : Check Dam across Vellar River at Alathiyur village.



- Project Cost : Rs. 30 Cr
- Project Year : 2018 – 2019

III. District Mineral Foundation Trust, Audit Reports

Status of audit reports uploaded in the portal

Year of Audit	Status of Audit		% of uploading in the Portal
	Completed	Pending	
2017-2018	28	2	93
2018-2019	28	2	93
2019-2020	28	2	93
2020-2021	31	5	86
2021-2022	30	6	83
2022-2023	31	6	84
2023-2024	30	7	81

III. District Mineral Foundation Trust Instructions of Ministry of Mines, Compliance

- PMKKKY Guidelines, 2015 incorporated in TN DMF Rule, 2017.
- TN DMF Rules amended prohibiting transfer of fund to State Level in August 2021.
- Members of Parliament and Members of Legislative Assembly are included as members in March 2022.
- Reissuing of TN DMF Rules incorporating baseline survey and perspective plan and PMKKKY guidelines, 2024 under the examination of the Government.

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Thank You

Best Practices Adopted by State of Punjab

By Gurkirat Kirpal Singh
Secretary, Mines & Geology, Punjab

Introduction to Public Mining Sites

Public Mining Sites (PMS): A People-Centric Initiative

Launched under the Punjab State Minor Mineral Policy 2023 to regulate and promote sustainable mining practices.

Only manual excavation is permitted in PMS and

The excavated sand shall not be used in commercial projects.

No tippers, heavy machinery or JCB allowed.

User must bring his own Tractor/Trolley and labour.

Objectives

Generate local employment opportunities, provide affordable sand to the public, control rising sand prices, and curb illegal mining activities.

Key Benefits of Public Mining Sites

Employment Generation

Local communities can work at these sites using their own labour. **laborers earn Rs. 3 per cubic foot of sand and monthly earnings are approximately upto Rs. 28000 per person**

Price Stabilization

Direct access to sand has curbed the sharp rise in market prices. The initiative has helped reduce black-marketing of sand sales.

High Revenue for the State

As labour and vehicles are arranged by the user itself, therefore, there is no excavation cost involved and minimal running and operational cost is involved. As a result, **state earns 3 times revenue per cft of the material excavated from these PMS sites as compared to auctioned sites**

Enhanced Transparency and Public Engagement

Public participation has made the sand market more transparent and community-focused.

Operational Achievements

72

Total Sites

launched in 4 phases across Punjab.

17.38 Lakh MT

Sand Excavated

Sand sold at Rs. 5.50 per cubic foot (excluding GST).

Rs. 15.20 Cr.

Government Revenue

Earned for the state government.

Rs. 13.04 Cr.

Villager Income

Generated as direct income for local villagers.





Future Outlook and Expansion Plans

5 new sites are ready for launch.
These sites will further stabilize prices, create jobs, and
manage resources efficiently.

1

2

The vision for the future is to strengthen sustainable
mining practices, expand public access to resources,
and embrace modern technology for transparent
operations.

Socio-Economic and Environmental Impact

Socio-Economic Benefits

Economic empowerment through direct sand extraction, local development by reinvesting additional income in infrastructure, and aiding rural growth.

Environmental Impact

Sand excavation is regulated to prevent over-extraction and protect riverbeds from erosion.

Conclusion: A Model of Success and Sustainability

1

Economic Empowerment

Public Mining Sites in Punjab have proven to be a successful state-led initiative, providing economic, social, and environmental benefits.

2

Stable Sand Market

The project has empowered local communities, stabilized sand prices, and generated significant revenue.

3

Sustainable Resource Management

With expansion plans, PMS will further strengthen rural Punjab's socio-economic fabric while ensuring sustainable resource management.

Partnership with IIT Ropar



Collaboration with IIT Ropar

- As per the Ministry of Environment, Forest and Climate Change (MoEF) guidelines, Pre/Post Monsoon & Pre/Post Mining surveys are mandatory for mining activities.
- The state has partnered with IIT Ropar to conduct these surveys.
- IIT Ropar leverages UAV surveys and other techniques for precise mapping of mining sites and surrounding areas.
- The state is also in the process of signing an MoU with IIT Ropar to establish a Centre of Excellence.
- This center will focus on sustainable mining practices, identifying new mining locations, conducting pre- and post-mining surveys, and detecting illegal activities using modern techniques.

Quantification of Material Extracted

1

Precision Through UAV Surveys

UAV surveys are conducted both before and after mining operations to determine the exact volume of material extracted.

2

Accountability for Contractors

The data provides concrete evidence of the actual amount extracted, ensuring accountability from contractors.

3

Monitoring Mining Activities

The surveys help to identify any instances of illegal mining outside designated areas.

Key Achievements & Outcome

Revenue Enhancement

The accurate quantification of extracted material leads to increased revenue collection.

Contractor Accountability

The initiative ensures that contractors are held responsible for mining only within designated areas.

Metrics & Measurable Benefit

1

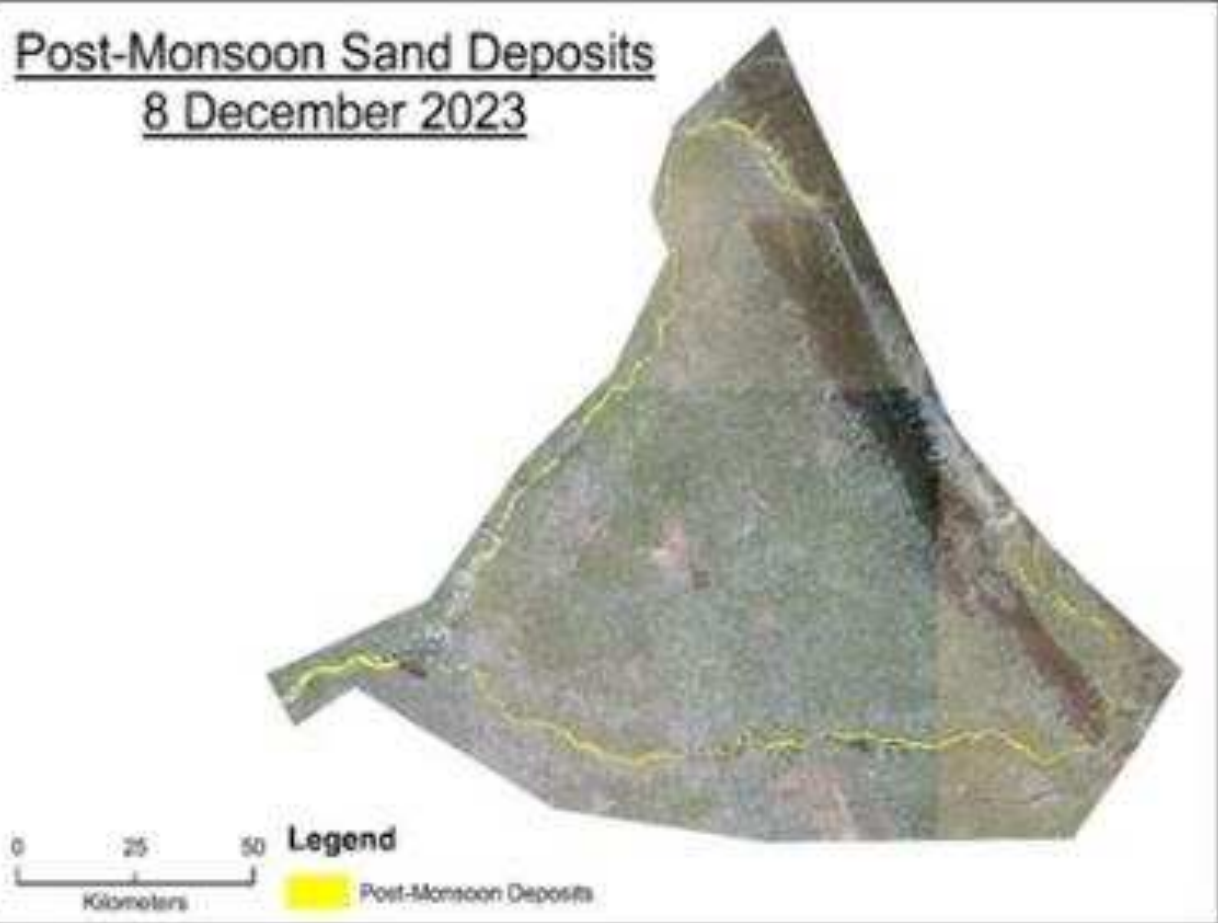
Pre-Monsoon Survey

Covers 2093.59 Ha.

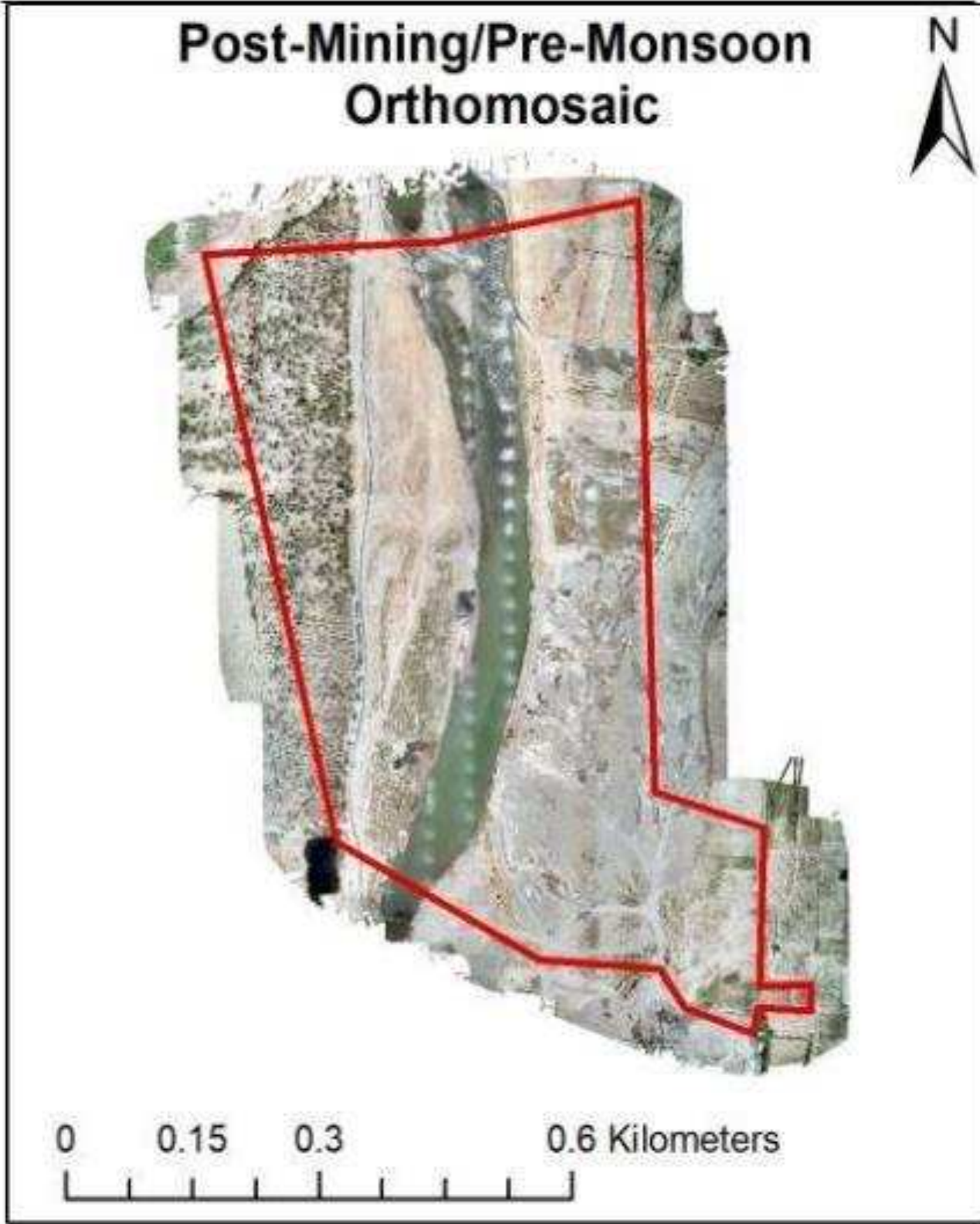
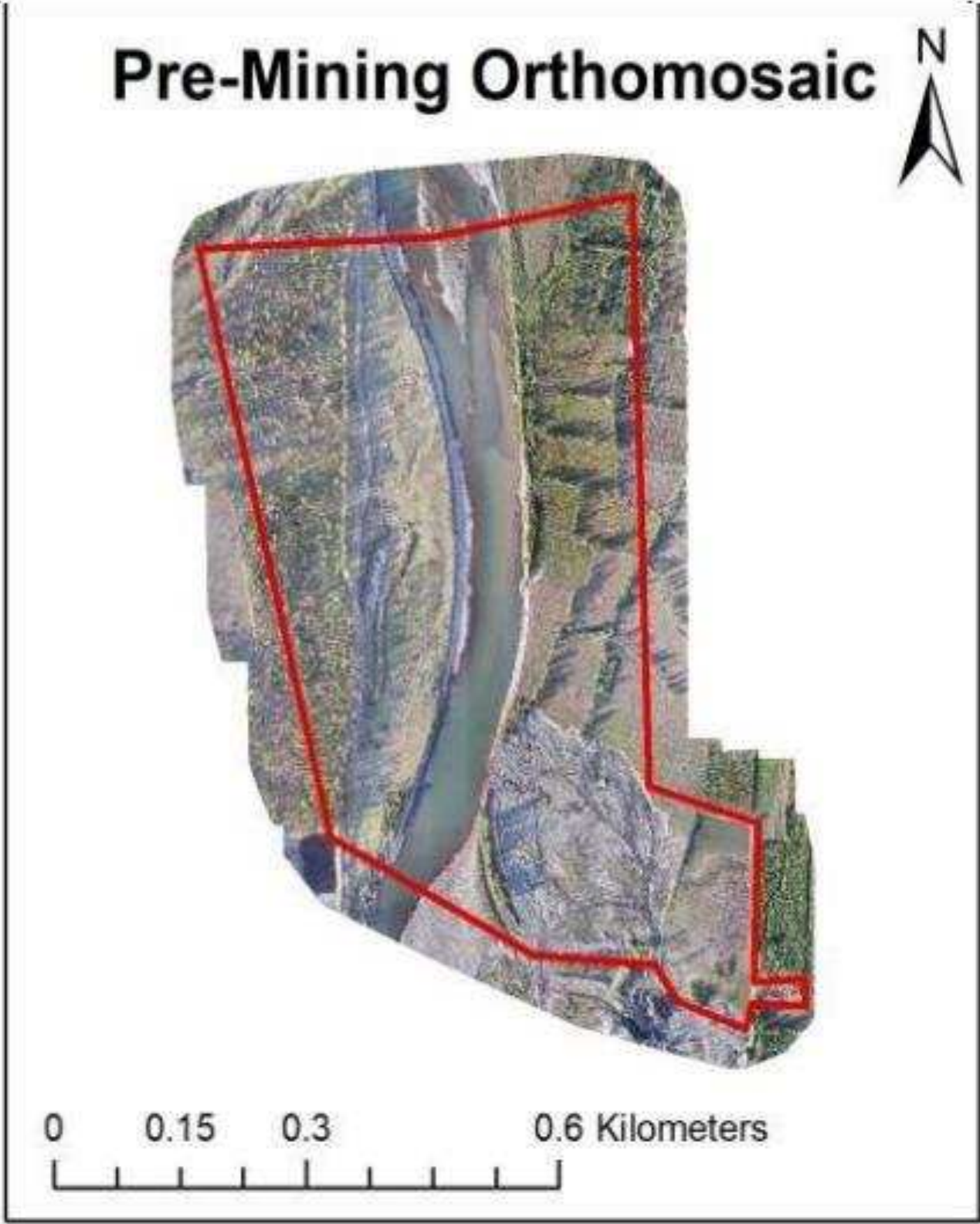
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Post-Monsoon Survey

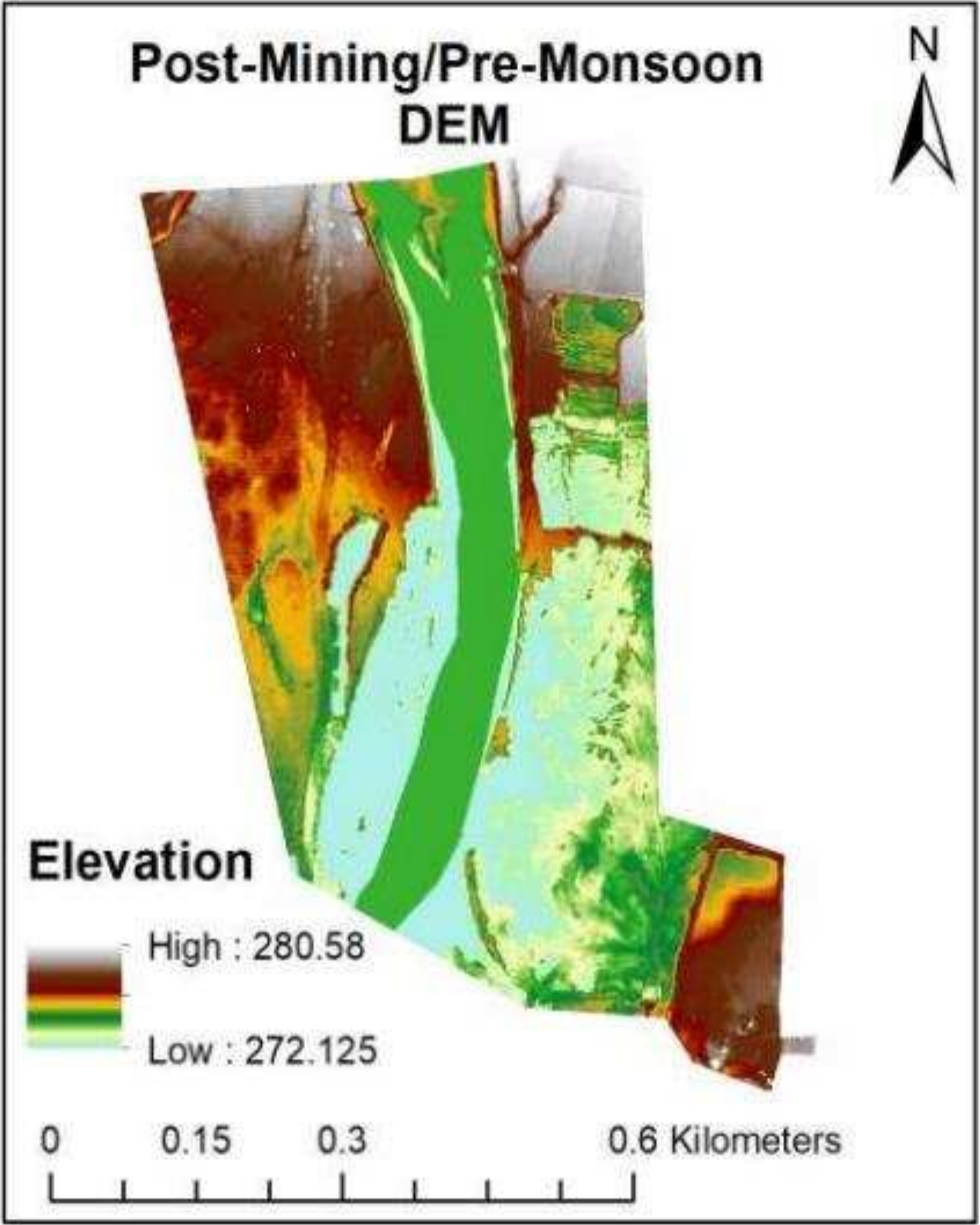
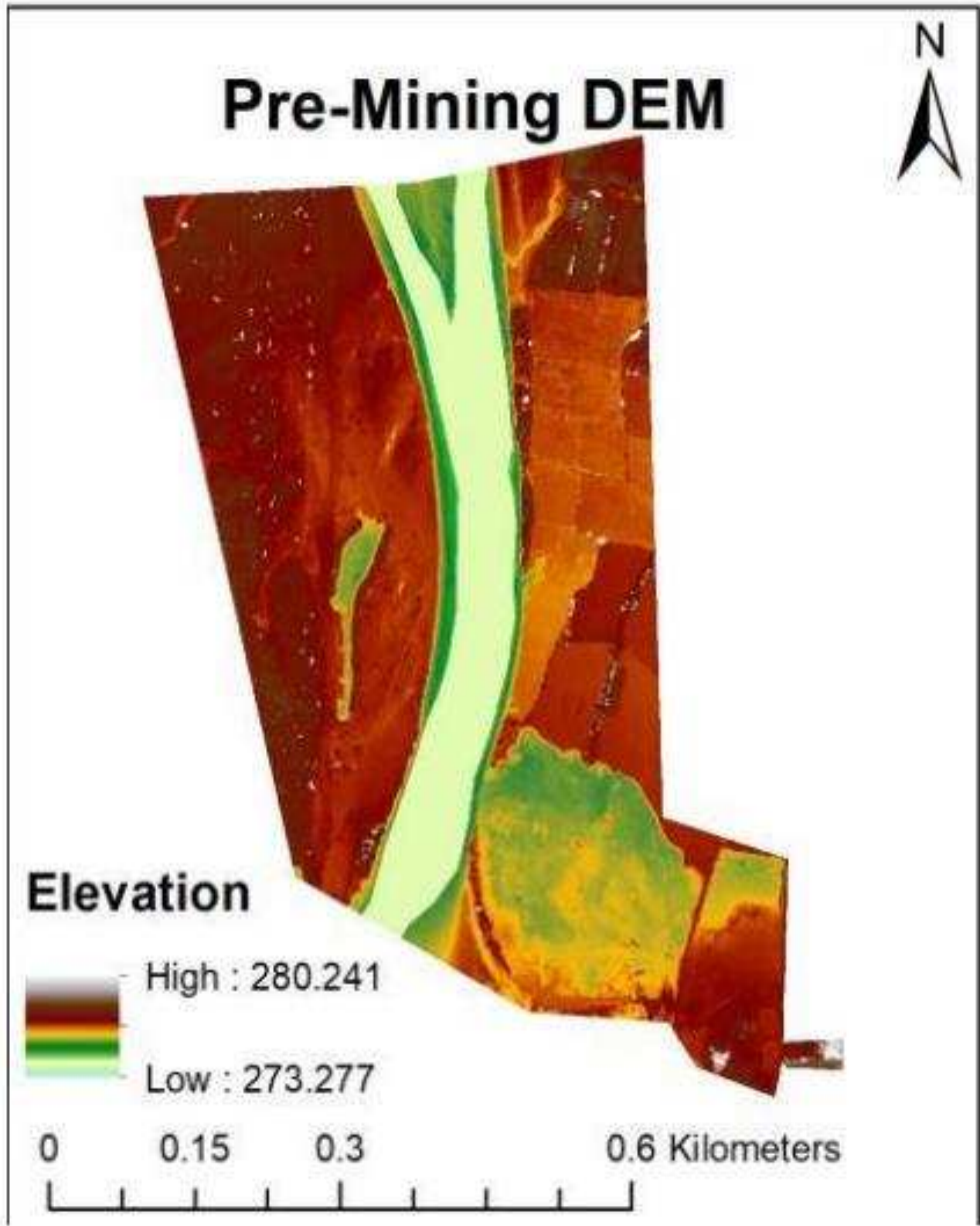
Increased area to 5312.24 Ha.



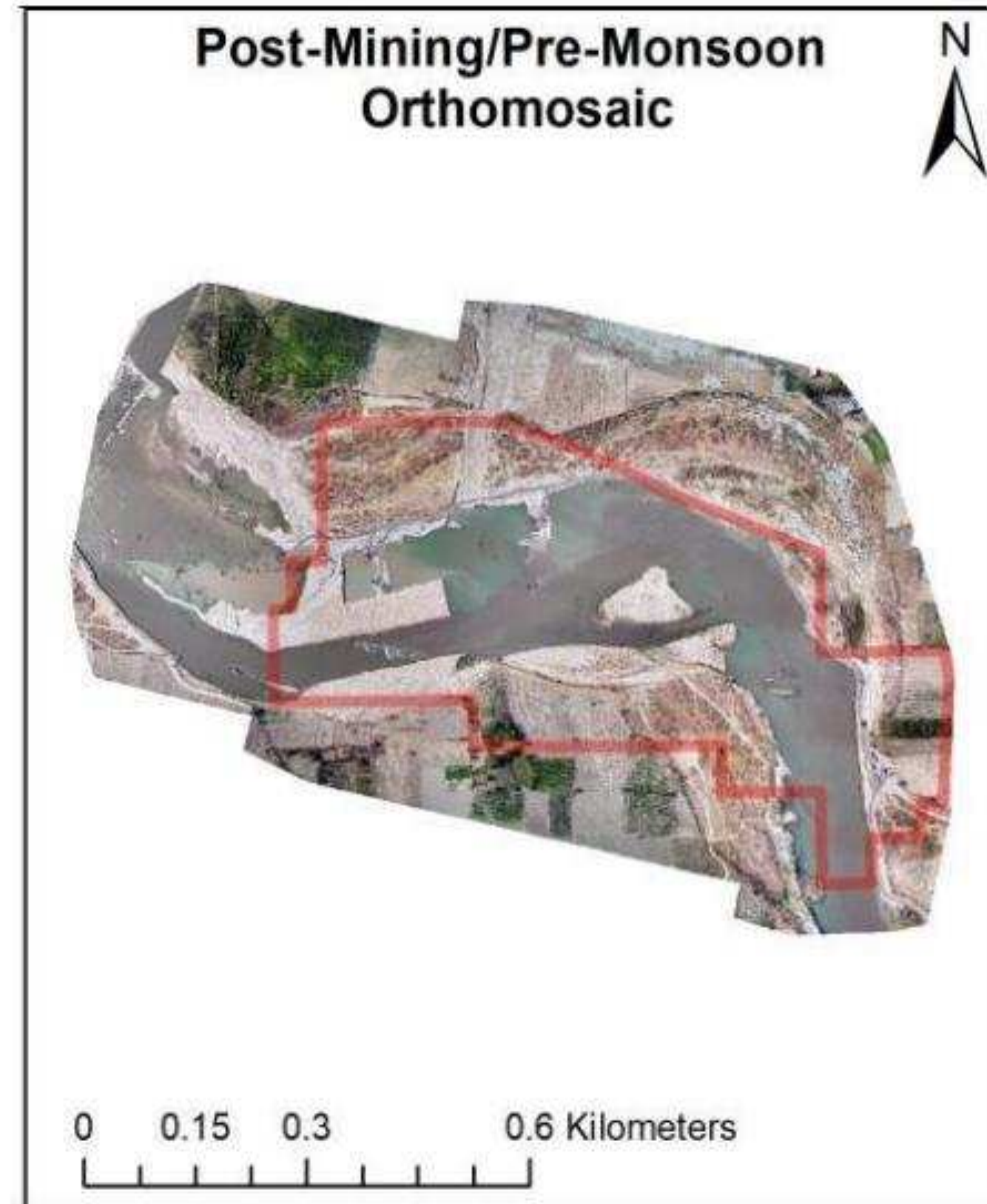
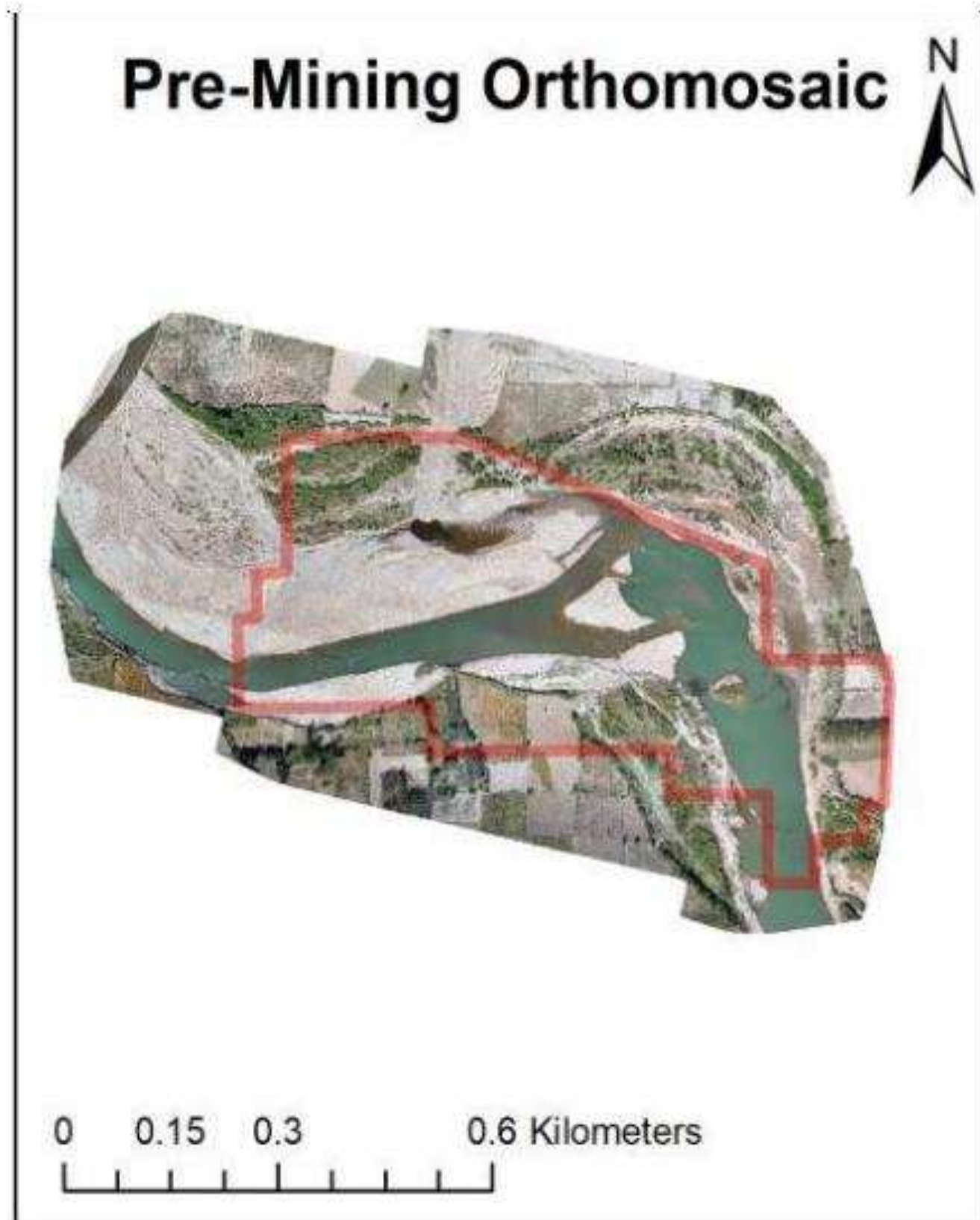
Mine Shahpur District Pathankot



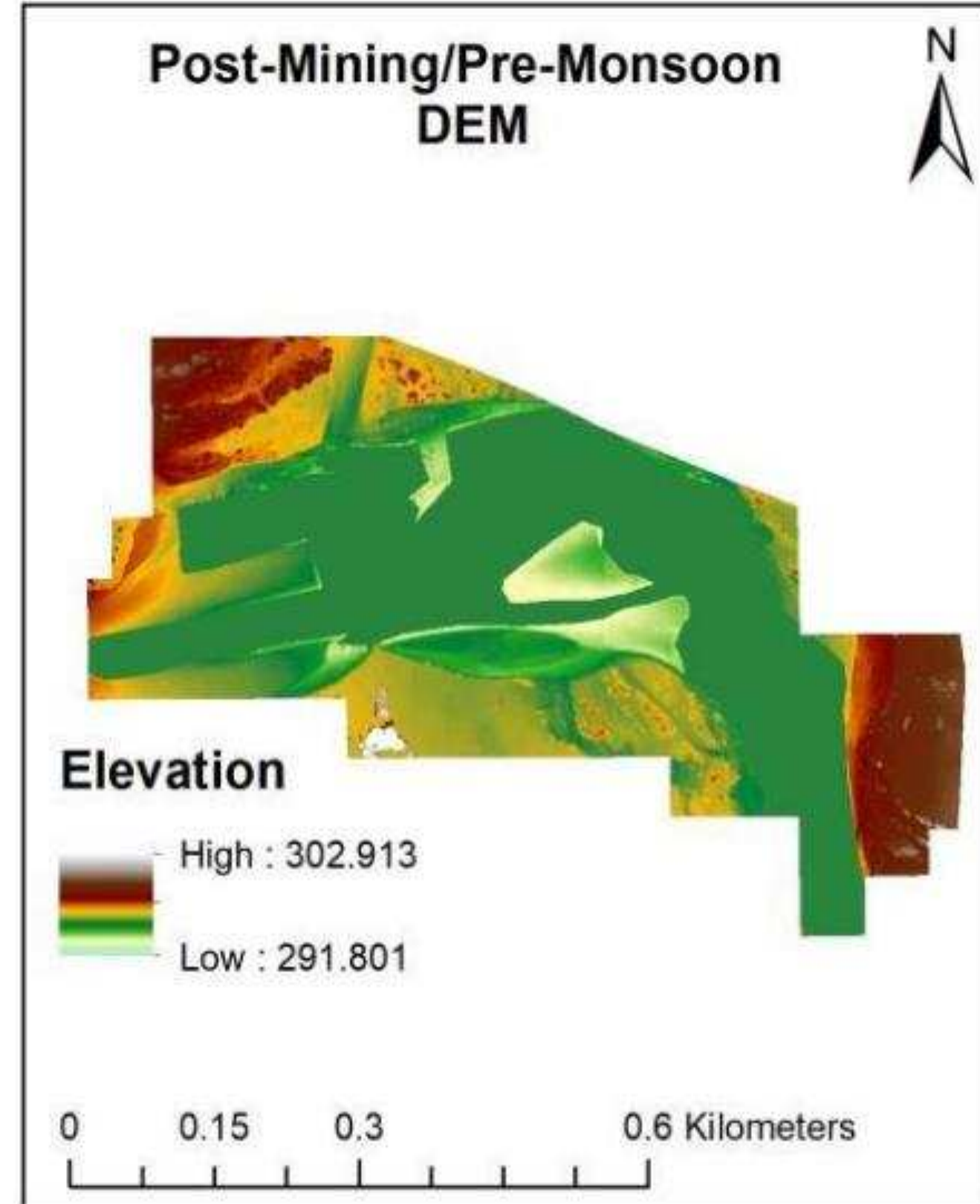
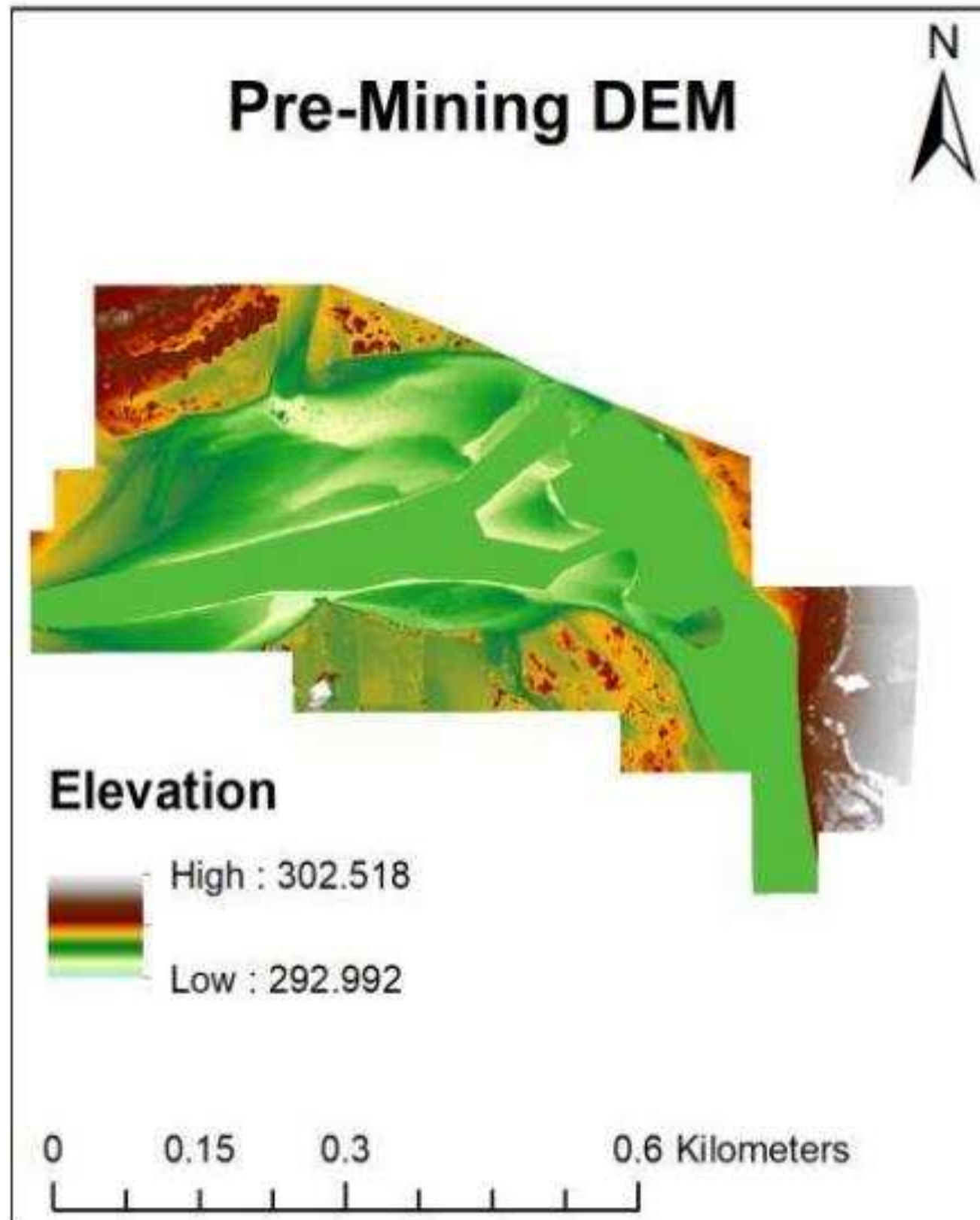
Mine Shahpur District Pathankot



Mine Chandpur District Ropar



Mine Chandpur District Ropar



Contractor Response



Positive Contractor Response

Contractors are finding value in this type of assessment.



Transparency & Data-Driven Decisions

The initiative helps avoid disputes and ensures fair practices.

Conclusion



Accurate Quantification

Provides a precise measure of extracted material.



Improved Accountability

Enhances transparency and responsibility in mining operations.



Resource Management Optimization

Ensures sustainable and responsible use of mineral resources.



Thank you