



Arunachal Pradesh – Status of Mining Sector

North - East Conclave, Guwahati, 27-28 June 2025
Department of Geology and Mining, Government of Arunachal Pradesh

Introduction

- ❖ **Arunachal Pradesh**, the Largest of the North - Eastern States covering an area of 83,743 sq.km also known as a “**Land of rising sun**”.
- ❖ State owns a complex geology owing to the three different mountain systems in juxtaposition, viz., **the Himalayan ranges; the Mishmi ranges; and the Naga-Patkai-Arakan ranges.**
- ❖ State is blessed with rich mineral deposits of various economic values having good potential to setup mineral-based industries in the State.
- ❖ Identified mineral resources of the state are **Crude Oil, Coal, Limestone, Dolomite, Iron, Lead & Zinc, Quartzite, Copper** etc.
- ❖ Besides, the state has also huge potential for **critical and strategic Minerals** such as **Graphite , Vanadium , REE resources.**

Identified Mineral Resources in the State

| Minerals | Location | District |
|---------------------|---|----------------------|
| Crude Oil | Kharsang, Jairampur, Kherem, Ningru Extension | Changlang |
| | Ningru | Changlang & Namsai |
| | Deomali | Tirap |
| Coal | Kharsang, Miao, Jairampur | Changlang |
| | Naitong | Tirap |
| | Talhat | Tirap |
| Limestone | Menga | U/Subansiri |
| | Tidding | Anjaw |
| | Pangin, Lokpeng | Siang |
| | Dali | Leparada |
| | Hunli | Dibang Valley |
| Graphite | Laa-Lamdak, Bopi | Kamle |
| | Taliha | U/Subansiri |
| | Dodeserum | L/Subansiri |
| | Lalpani | Lohit |
| | Isholin-Anelih-Endolin | Dibang Valley |
| | Tai | Leparada,U/Subansiri |
| Copper | Pakke | East Kameng |
| Graphite & Vanadium | Radhpu, Phop, Sito Sikhe | Keyi Panyor |
| | Pakro | Pakke Kesang |
| | Depo | Papumpare |
| REE | Lodoso | Papumpare |

Status of Auction of Major Minerals (Limestone)

| S No. | Block Name | Minerals | Auction Status | Area (in Sqm) | NIT Date | Concession Type | Remarks |
|-------|---------------------------|-----------|----------------|------------------|---------------------------|-----------------|--|
| 1 | Tidding-1 Limestone Block | Limestone | On hold# | 8.92 | 27 th Jan - 25 | ML | On hold in compliance with Hon'ble High Court interim decision |
| 2 | Dali Limestone Block | Limestone | On hold# | 14.07 | 27 th Jan - 25 | CL | |
| 3 | Lokpeng Limestone Block | Limestone | Annulled | 12.21 | 27 th Jan - 25 | CL | Annulled owing to less than 3 Bidders in 1 st Attempt. |
| 4 | Pangin Limestone Block | Limestone | Annulled | 22.94 | 27 th Jan - 25 | CL | |

Status of Auction of Critical Minerals

| S No. | Block Name | District | Mineral | Name of Bidder | NIT Date | Date of Issuance of Lol | Current Status |
|-------|------------------------------------|---------------------|---------------------|---------------------------------|-----------------------------|---------------------------|--|
| 1 | Depo Vanadium and Graphite Block | Papumpare | Vanadium & Graphite | Vedanta Limited | 24 th June,2024 | 13 th Jan - 25 | Bidders are preparing Prospective Scheme & seeking necessary consents, approvals & NOCs. |
| 2 | Phop Graphite and Vanadium Block | Keyi Panyor | Vanadium & Graphite | Oil India Ltd | 24 th June, 2024 | 13 th Jan - 25 | |
| 3 | Radhpu Graphite and Vanadium Block | Keyi Panyor | Vanadium & Graphite | Orissa Metaliks Private Limited | 24 th June 2024 | 13 th Jan - 25 | |
| 4 | Endolin - Isholin Graphite Block | Upper Dibang Valley | Graphite | Mamco Mining Private Limited | 24 th June,2024 | 13 th Jan - 25 | |

Status of Auction of Mineral Block for grant of Exploration License:

| S No. | Block Name | District | Mineral | Area | NIT Date | Current Status |
|-------|--------------------------------------|-------------|-------------|-------------|-----------------------------|--|
| 1 | Shergaon Lead-Zinc Exploration Block | West Kameng | Lead & Zinc | 206.86 SqKm | 13 th March,2025 | MoM, Gol has invited tender notice on 13th March,2025 and last date of tender sale is 9th July,2025 |

Progress in Operationalization Status of auctioned blocks

Coal Sector

| S No. | Block Name | District | Name of Bidder | Date of signing of CMDPA(Coal Mines Development and Production Agreement) with MoC | Date of issuing of vested order | Date of issue of Letter of Intent | Current status |
|-------|---|-----------|---------------------------|--|---------------------------------|-----------------------------------|--|
| 1 | Central Block of Namchik Namphuk Coal field | Changlang | M/s Coal Pluz Private Ltd | 29 th March,2023 | 17 th August,2023 | 11 th October,2024 | FC clearances is pending with Deptt of Env & Forest, Govt of India |
| 2 | East Block of Namchik Namphuk Coal field | Changlang | - | - | - | - | East and West Blocks of Namchik Namphuk Coalfields have been auctioned by MoC under 21 st Tranche on 5 th Dec,2024. MoC, Gol has kept in abeyance the block due to overlapping with the Kharsang PML. |
| 3 | West Block of Namchik namphuk Coal field | Changlang | - | - | - | - | Award of Namchik West Block yet to be conveyed to Govt of A,P by MoC, GOI. |

Proposed Major Minerals blocks for Auction

| S. No. | Block Name | Mineral | District | Area (in Sq. km) | Estimated Reserved (MT) | Current status and Proposed timeline for notification |
|--------|--|--------------------|---------------|-----------------------|-------------------------|---|
| 1 | Pipa Area Limestone Block | Limestone | Kurunkumey | 1.20 km ² | G4 | •3 Limestone blocks shall be auctioned in Phase 2 of Major Mineral by the State Govt |
| 2 | Tidding - 2 Limestone Block | Limestone | Anjaw | 0.49 Km ² | 35.79 | |
| 3 | Hunli Limestone Block | Limestone | Dibang Valley | 0.62 km ² | 22.57 | |
| 4 | Pakro Vanadium & Graphite Block | Vanadium, Graphite | Pakke Kessang | 1.56 km ² | V-1.31 G-0.99 | •Land Schedule details, Forest Status and other requisite details in respect of 2 nos of critical mineral blocks submitted in the prescribed format to the MoM, Gol . |
| 5 | Sito Sikhe Vanadium and Graphite Block | Vanadium, Graphite | Keyi Panyor | 0.966 km ² | V-7.62 G-7.38 | |

Potential blocks available for Auction for Minor Mineral

| S. No. | Block Name | Mineral | District | Area (in Sq. km) | Estimated Reserved (MT) | Current status and Proposed timeline for notification |
|--------|---------------------------|-----------|-------------|------------------|-------------------------|--|
| 1 | Kalaktang Quartzite Block | Quartzite | West Kameng | 0.55 Sq Km | 5.00 | <p>Kalaktang Quartzite block has been proposed for auction through MSTC Ltd.</p> <p>The deptt has fixed the target for issue of NIT by September'2025.</p> |

Ongoing Exploration Activities

| S. No | Title of the GR | Mineral | District | Exploration Agency | Tentative Date of Completion |
|-------|--|---------------------|-----------------|---------------------------------------|------------------------------|
| 1 | Preliminary exploration for Vanadium, Graphite and associated minerals in Khyunglo block, Lower Subansiri District, Arunachal Pradesh (G-3). | Vanadium & Graphite | Lower Subansiri | Geological Survey of India | 31.03.2026 |
| 2 | Regional Exploration for coal in Naitang-Bogapani Block, Tirap District, Arunachal Pradesh. | Coal | Tirap | Maheshwari Mining Pvt. Ltd Kolkata | 31.03.2026 |
| 3 | Regional Exploration for coal in Thalot Block, Tirap District, Arunachal Pradesh. | Coal | Tirap | Maheshwari Mining Pvt. Ltd Kolkata | 31.03.2026 |
| 4 | Regional Exploration for coal in Khamdu Block , Changlang District, Arunachal Pradesh | Coal | Changlang | Maheshwari Mining Pvt. Ltd Kolkata | 31.03.2026 |
| 5 | Regional Exploration for coal in Panchum Block, Changlang District, Arunachal Pradesh | Coal | Changlang | Maheshwari Mining Pvt. Ltd Kolkata | 31.03.2026 |

Potential Areas for Exploration

| S.N | Name of Mineral | Location | District | Remark |
|-----|-----------------|---|--------------|--|
| 1 | Coal | 1) Rangrinkan 2) Phinbero 3) Namtok | Changlang | Tertiary Coal have been reported within the areas. These areas are potential area for exploration of coal. |
| 2 | REE | Lodoso | Papumpare | <ul style="list-style-type: none"> •Around 105.88 hac area explored by GSI. •2.159 million tonnes of ΣREE resources estimated. •Lodoso Block was auctioned under tranche-IV. •Since there were Nil bids received in Lodoso REE block, the auction process for mineral block stands annulled. |
| 3 | REE | West of Lodoso | Papumpare | There are huge potential of REE minerals in the western extension part of the Lodoso REE Block. |
| 4 | Copper | Pakke Kesang | Pakke Kesang | <ul style="list-style-type: none"> •GSI had explored the copper Block at G3 level. •GSI has expressed their inability to carry out exploration at G2 level due to rugged terrain. • Request for exploration by private exploration agencies . |

Way Forward

- 1. Fast-tracking Environmental Clearances:** One of the main causes of delay in starting mining operations is the long pendency of applications for environmental clearances and forest clearances in the Ministry of Environment, Forest, and Climate Change. Therefore, there should be a fast-track system for environmental clearances, ensuring timely mineral-based project implementation while maintaining environmental safeguards.
- 2. Relaxation of 10A(2) b Cases:** Relaxation of 10A(2)b cases under the MMDR Act. The rigid application of Section 10A(2)(b) has particularly impacted our efforts to attract investments and facilitate lawful mining operations. The retrospective lapsing of rights of **prior prospecting license** or reconnaissance permit holders, as mandated by the 2021 amendment, has led to legal disputes and a vacuum in mineral development initiatives in the State.

Way Forward ...

3. Infrastructure Development in and around Mineral Block area: There should be special provisions for infrastructure development, such as roads, telecommunications, railways, and electricity, in and around mineral block areas in fast-track mode so that mining of minerals can be started in fast-track mode.

4. Land compensation issues: At present, there are no such laws, guidelines, or provisions for land acquisition and compensation for the mineral blocks vested in private or community land in Arunachal Pradesh. Due to which, the mineral block holders are facing difficulties in getting consent from the landowner or community, which is causing delay in mining operation. Therefore, there should be special provisions of compensation or rehabilitation for the landowner of the mineral block.



Thank You
