

# **CRITICAL & STRATEGIC MINERALS : INDIAN SCENARIO AND RECENT HAPPENINGS**

# Critical & Strategic Minerals: Indian Scenario and Recent Happenings

## What are Critical Minerals?

- Necessary for renewable energy
- Clean technology, and
- Transition to a more sustainable, low-carbon future.

### Critical minerals in India:

Sb	Be	Bi	Co	Cu	Ga	Ge	C	Hf	In
Li	Mo	Nb	Ni	PGE	P	K	REE	Re	Si
Sr	Ta	Te	Sn	Ti	W	V	Zr	Se	Cd

## Why Critical minerals are needed?



Critical minerals face significant risk as their importance in industries, manufacturing processes, and defense equipment:

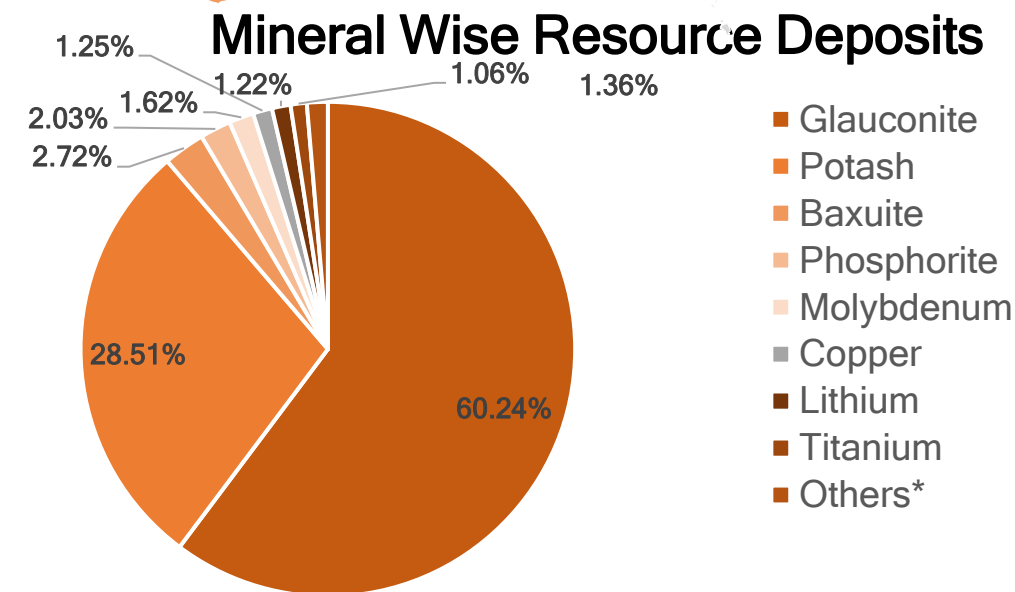
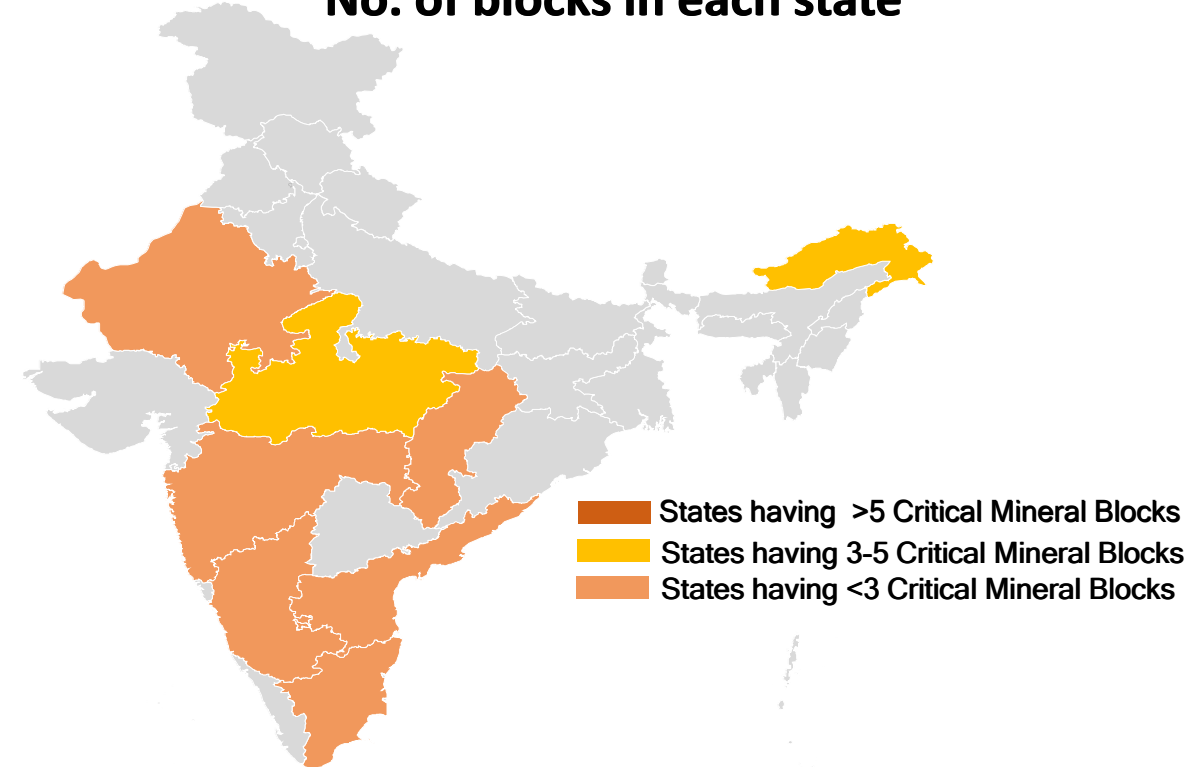
- Country's economic development
- Disruption in their supply chains
- National security

### Industries relying on Critical Minerals:

<b>Solar</b> Copper, Bauxite, Lithium, Etc.	<b>30x Increase</b>
<b>Wind</b> Copper, Bauxite, Molybdenum, Etc.	<b>2x+ Increase</b>
<b>Healthcare</b> Copper, Zinc, Etc.	<b>10X Growth</b>
<b>EV</b> Copper, Nickel, Zinc, Etc.	<b>40%+ Penetration</b>

Solar Power Capacity  
Wind Capacity  
By 2030  
By 2030

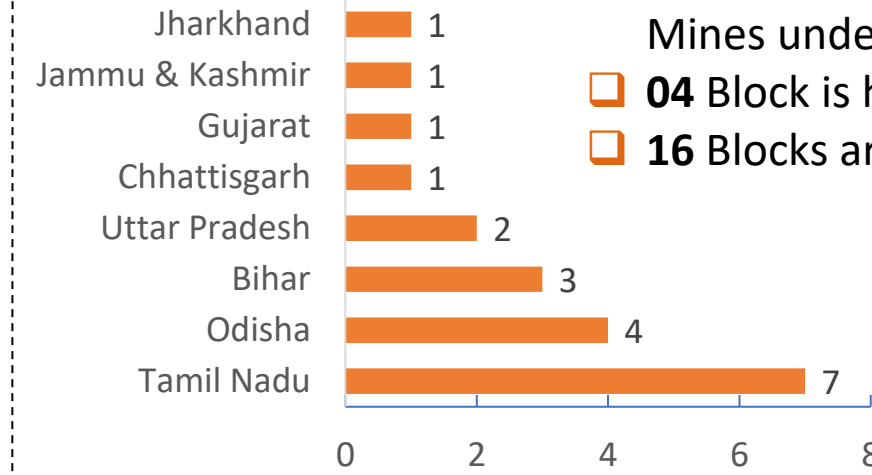
## No. of blocks in each state



### State wise Mineral Reserves:

Andra Pradesh	C, REE, W
Arunachal Pradesh	V, C, REE, W
Bihar	Ni, Cr, PGE, Glauconite
Chhattisgarh	P, W, Glauconite
Gujarat	Ni, Cr
Jammu & Kashmir	Li, Ti, Bauxite
Jharkhand	K, P, Li, Ti, Glauconite, Bauxite
Karnataka	Ni, PGE, Co, Cr
Madhya Pradesh	C, Bi, V
Maharashtra	Ni, PGE, Co
Odisha	Ni, Cu, PGE, Glauconite
Rajasthan	K
Tamil Nadu	W, Mo
Uttar Pradesh	P

### State wise blocks in 1<sup>st</sup> Tranche

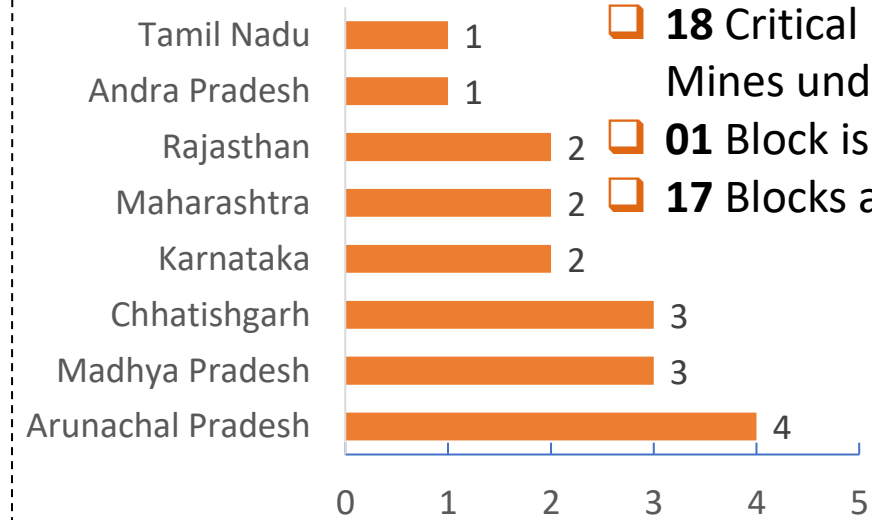


## Auction Scenario

- 20 Critical Mines are identified by Ministry of Mines under Auction,
- 04 Block is having Mining Lease (ML)
- 16 Blocks are having Composite License (CL).

The Reserve Price  
2.0% for all Blocks  
2.03% for one block in Chhattisgarh

### State wise Blocks in 2<sup>nd</sup> Tranche



- 18 Critical Mines are identified by Ministry of Mines under Auction,
- 01 Block is having Mining Lease (ML)
- 17 Blocks are having Composite License (CL).

The Reserve Price  
2.0% for all Blocks

## From Dependency to Dominance: Drivers for Critical Minerals

<b>Resource Security:</b> Reducing dependence on imports	<b>Geopolitical Considerations:</b> imports exposes India to geopolitical tensions.
<b>Environmental Concerns:</b> Reduce carbon emissions	<b>Economic Development:</b> Economic growth, create jobs, & technological advancements
<b>Technological Innovation:</b> Enhancing efficiency and sustainability.	<b>International Competition</b> Compete effectively in the international market.

**\*References:**  
REE – Rare-Earth Elements; PGE – Platinum Group Elements; C – Graphite  
**Data Sources:** - Ministry of Mines, Press Information Bureau, Investindia.gov.in, Conference of The Parties'2028

# ReVal Consulting

partners with businesses to tackle their most significant challenges and capture their greatest opportunities in the Mineral and Mining Sector. We work closely with our esteemed clients to embrace a transformational approach aimed at benefitting all stakeholders across the value chain and driving positive business outcomes.

Our diverse team brings deep industry experience, functional expertise, and a range of perspectives that help us deliver solutions through leading-edge management consulting, technology, and design. We work in a uniquely collaborative model across the firm and throughout all levels of the client organization, fueled by the motto of serving them with the best possible solution.

**KUMAR RAJESH SINGH**  
Co-Founder & CEO  
krsingh@revalconsult.com

**PUKHRAJ SETHIA**  
Co-Founder & COO  
pukhraj@revalconsult.com

**Corporate office :**  
604, One World West,  
Ambali, SP Ring Road,  
Ahmedabad - 380058,  
Gujarat, India

**Registered Office :**  
71, 7th Floor A, Spazy  
Privy, Sector  
72, Gurugram – 122001,  
Haryana, India.

For more details:  
[www.revalconsult.com](http://www.revalconsult.com)  
Copyright© 2024 ReVal Consulting Private Limited.  
All Rights Reserved.