

India's Aluminium & Copper Vision Documents

Prelims: Current events of National and International Importance | Indian Economy

Why in news?

India recently unveiled Aluminium and Copper Vision Documents 2047, which is aligned with Viksit Bharat vision.

- **Aluminium vision document** - It is a pivotal step in charting the sector's future and outlines a growth roadmap to transform India into a global aluminium hub.
- Aluminium will be critical in driving the country's journey towards becoming the third largest economy and a developed nation by 2047.
- **Objectives** - It aims to scale aluminium production from 4.5 MTPA to nearly 37 MTPA (**Six times**) by 2047.
- To expand **bauxite production** to **150 MTPA** by 2047.
- To double the national **aluminium recycling rate**.
- To promote **low-carbon technologies** and **raw material security**.
- **Strategic importance of aluminium** - The vision highlights aluminium's critical role in,
 - Clean energy systems
 - Electric mobility
 - Modern infrastructure
 - Achieving net-zero targets
- India is the world's second largest producer of aluminium, and it accounts for just 6% of global production.
- It points that significant growth potential is there in aluminium production as there is more untapped resource.
- **Copper vision document** - It provides a long-term strategy to meet growing domestic demand while ensuring raw material security,
- **Objectives** - To scale up aluminium production by six times from current production by 2047.
- To add **5 MTPA** smelting and refining capacity by 2030.
- To focus on secondary refining, domestic recycling, and securing overseas mineral assets.

- The document anticipates that copper demand will increase six-fold by 2047.
- **Copper's role in green technologies** - The vision recognises copper's essential role in,
 - Energy transition
 - Infrastructure development
 - Electric vehicles and solar power

Significance of the Aluminium and Copper Vision documents

- Achieving Aatmanirbharta (self-reliance) in production.
- Strengthening raw material security.
- Promoting circular economy and recycling.
- Enhancing value-added exports and global market share.

Reference

[The Hindu| India's Aluminium & Copper Vision Documents](#)

