

Karlapat Bauxite Block

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Karlapat Bauxite Block Latest News

Some of India's biggest industrial groups, including Adani, Reliance Industries, Hindalco, Vedanta Aluminium, Naveen Jindal-backed Powercem and Coal India, are eyeing Odisha's Karlapat bauxite block.

About Karlapat Bauxite Block

- It is a bauxite deposit in **Odisha's Kalahandi** district.
- It is a **greenfield mining block**, which means it has not previously been commercially mined.
- It has an estimated resource of about **207 million tonnes**, comprising 153 million tonnes of proved reserves and 54 million tonnes of possible reserves.
- The block spans a plateau area of about 9.6 sq.km with an average ore thickness of nearly 12 metres.
- The deposit is **classified under proved and possible resource** categories and records an alumina content of about 45.2 per cent with low silica content.

Bauxite Deposits in Odisha

- **India's major bauxite resources** are concentrated in the **East Coast deposits of Odisha and Andhra Pradesh**.
- Odisha had about 2,057 million tonnes of bauxite resources.
- **Odisha** accounted for **41 percent** of **India's bauxite resources**.
- In Odisha, bauxite occurs in **Balangir, Kalahandi, Kandhamal**, Kendujhar, **Koraput**, Malkangiri, Rayagada and Sundargarh districts.

Why is Bauxite Important?

- Bauxite is the **only commercial ore used to produce aluminium**.
- **Aluminium** is the **second most abundant metal used by industry** after silica-based materials and finds applications across transport, construction, power, chemicals and manufacturing.

News: BS

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