

Cobalt

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Cobalt



Cobalt Latest News

According to a new report, the world's largest cobalt producing company has caused serious environmental and public health damage in the Democratic Republic of Congo (DRC).

About Cobalt

- It is a hard, **lustrous, silver-grey metal**.
- **Properties**
 - It is a **ferromagnetic strategic alloying metal**.
 - It is a chemical element with the **symbol Co and atomic no.27**.
 - It is associated mostly with **copper, nickel and arsenic ores**.
 - Cobalt is extracted as a **by-product of copper, nickel, zinc or precious metals**.
- **Major World reserves of cobalt:** Democratic Republic of Congo, Russia, Canada, Philippines and Cuba.
- **Occurrences of cobalt in India:** Jharkhand, Odisha, Rajasthan, Nagaland and Madhya Pradesh.

Applications of Cobalt

- Major use of cobalt is in **metallurgical applications**, in the Special alloy/Superalloy Industry, in magnets and cutting tools industries.
- Cobalt is used as precursors (cobalt compounds) for cathodes in **rechargeable batteries**.
- It is also **used in powerful magnets**, cutting tools and high-strength alloys in the aerospace, energy and defence sectors.
- Cobalt compounds have been used since antiquity as a **pigment (cobalt-blue) for pottery**, glass, paints and other media.

Source: DTE

Source: <https://vajiramandravi.com/current-affairs/cobalt/>

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