

# WEBINAR



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## Challenges in the Processing of Lean Grade Strategic Minerals



**June 5, 2021 (Saturday)**



**5:30 PM**

### Abstract

Strategic minerals are essential to the security of any country. A delicate balance between the global supply, market demand, and available reserves within the country dictates the fate of indigenous production. India is endowed with a lot of mineral wealth, but strategic minerals such as tungsten and platinum group of minerals are scarcely available. The present talk is focused on the challenges of processing lean-grade strategic minerals.

India imports tungsten metal powder for its defense applications. At present, few industries are supplying the tungsten metal powder by importing from various countries and also recycling the scrap generated during the defense testing. Because of the present scenario, research work was carried out to recover tungsten values from the Hutti gold mine tailings containing 0.02%  $WO_3$ . The challenges associated with handling ultrafine particles (tailings) would be the focus of the talk.

Odisha reports a proven resource of the platinum group of minerals associated with the chromite ore deposits. Preconcentration studies show that the PG content is enriched to the commercial-grade concentrates.

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