

Hindustan Zinc signs MoU with Virginia Tech to boost silver recovery

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Synopsis

Hindustan Zinc is joining forces with Virginia Tech to revolutionize silver extra lead-zinc operations. This collaboration will focus on advancing flotation tech fine-tuning chemical application. Researchers will delve into the variables that metal recovery and process reliability, all aimed at enhancing concentrate quality fostering greater efficiency across Hindustan Zinc's facilities.



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[Hindustan Zinc](#) Limited has signed a memorandum of understanding (MoU) with [Virginia Tech](#) to advance research aimed at improving [silver recovery](#) across its lead-zinc concentrator operations.

In an exchange filing on Thursday, March 5, the company said the collaboration will focus on scientific studies to refine [flotation methods](#) a [mineral processing](#) technique used to separate and concentrate valuable metals from mined ore and optimise the use of reagents, specialised chemicals used during mineral processing.

The initiative is expected to help improve [concentrate quality](#) and enhance operational efficiency at Hindustan Zinc's processing plants.

Under the partnership, researchers at Virginia Tech will work with Hindustan Zinc to examine [metallurgical factors](#) that influence flotation selectivity and metal recovery. The study will particularly analyse interactions between reagents, minerals and water that affect process stability and concentrate quality.

Virginia Tech, a public research university based in Blacksburg, Virginia, is widely recognised for its research in mining engineering, mineral processing and metallurgical sciences.

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Lessons from the Grandmasters



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Mining cooperation shaping India-Argentine partnership

By Dipanjan Roy Chaudhury, ET Bureau Last Updated: Mar 03, 2026, 11:33:00 PM IST

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Synopsis

Argentina and India are strengthening economic ties. Mining cooperation is with Argentina offering a favorable framework for Indian investment in critical Agreements are already in place for lithium exploration. India is a growing partner Argentina, with bilateral trade increasing. Future collaborations are expected like Bharat Steel 2026.

Argentine Ambassador Mariano Caucino has stated that mining cooperation is one of the “key milestones of our bilateral economic relationship”

He was speaking at the [Bharat Steel 2026](#) pre-gathering organized by the