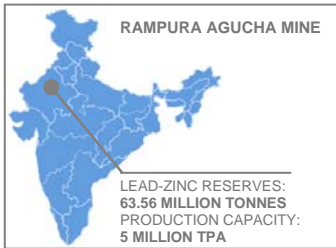


## CASE STUDY

# Rampura Agucha Mine

How Hindustan Zinc Ltd is leading the way with the highest Safety Standards for mining in India



GroundProbe's SSRX at Rampura Agucha Mine



View of RAM pit from the Dispatch tower (north).



View of RAM pit from the south. The SSR-X system is located on the footwall (east) to monitor the hanging wall (west wall).



GroundProbe's Slope Stability Radar goes hand-in-hand with Rampura Agucha's policy of minimisation of slope hazards.

This also supports the company's high profitability by allowing better recovery, decreasing cost of production and closely managing risk.

**Rampura Agucha is the first mine in India to adopt SSR.**

The Rampura Agucha Mine (RAM) is situated 220 kilometres south-west of Jaipur, in the district of Bhilwara, Rajasthan, India. It is a world class zinc-lead deposit, owned by Hindustan Zinc Ltd, Vedanta Resources Plc, with an estimated geological reserve of 107.33 million metric tonnes.

Hindustan Zinc Ltd is the only integrated zinc producer in India. It operates three underground mines and one open cast mine, Rampura Agucha Mine, which is considered one of the most cost-efficient zinc mines in the world. It has rich ore grade which allows the mine a high recovery and overall low cost of production. The mine was commissioned in 1991 for the designed capacity of 0.9 Mtpa ore production and its beneficiation. Eight years later it expanded to 1.35Mtpa and more recently, in 2005 and 2007, its capacity was further enhanced to 3.75Mtpa and 5Mtpa, respectively. Shortly it is poised for further expansion to 6Mtpa in 2010-11.

Sustainable development and safety management is an integral part of Hindustan Zinc's business philosophy and is committed to continue to improve its performance in line with their HSE & social policy. After comparing the different slope monitoring instruments, RAM opted for the Slope Stability Radar (SSR) as a commitment by management to safety of its people and the mine.

Rampura Agucha is the first mine in India to use Slope Stability Radar for improvement in its productivity and safety. "RAM is proud to be the first mine in India to have an SSR on site, especially because the SSR goes hand-in-hand with RAM's policy of minimisation of slope hazards. Utilising the SSR fits perfectly with the company's culture of always being one step ahead in safety and production", says Mr. R. R. Kumar, General Manager, Rampura Agucha Mine.

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Thank you to the management of Rampura Agucha for allowing the opportunity to produce this document.