

ZINC NEWS

MONTHLY HOUSE JOURNAL OF HINDUSTAN ZINC LIMITED

ZINC NEWS | VOL 45 | ISSUE 3 | MARCH 2025



FEATURE STORY

Hindustan Zinc
records historic
high annual mined
and refined metal
production

COVER STORY:

Hindustan Zinc Becomes the World's
Largest Integrated Zinc Producer

COVER STORY

Our Journey to Becoming the World's Largest Integrated Zinc Producer

A Legacy Forged in Metal



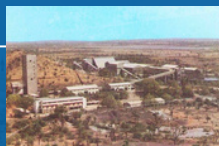
2750 BCE

Ancient metallurgists produced molten metal in Zawar



1966

Foundation of Debari Smelter laid



1984

Rajpura Dariba mine commissioned



1989

Chanderiya Smelter inaugurated, and Rampura Agucha Mine began production



2002

Sterlite Group, now known as Vedanta Limited, acquired a 26% equity stake in Hindustan Zinc



2007-2010

Sindesar Khurd mine commissioned



2012-2013

Pantnagar Metal Plant and Rajpura Dariba Lead Smelter commissioned; commercial production commenced at Kayad Mine



2018

A fully underground mining company, maintaining its market leading position



2023-2024

- Crossed 1 million tonne metal production and became world's most sustainable company
- 3rd largest silver producer globally



2025

World's Largest Integrated Zinc Producer

From legacy to leadership, Hindustan Zinc's journey is a story of transformation. From the historic mines of Zawar to becoming the world's largest integrated zinc producer, our path has been defined by resilience, innovation, and an enduring pursuit of excellence.

What began with one of India's first mines and smelters evolved into an industry leader, driven by bold decisions and breakthrough technologies. A defining moment came in 2023-24 when we surpassed 1 million tonnes of metal production and earned recognition as the world's most sustainable metals and mining company. With advancements in automation, underground mining, and responsible resource management, we continue to reshape the future of mining.

Now, as we step into 2025, we proudly hold the mantle of the world's largest integrated zinc producer. But for us, leadership isn't just about reaching the top—it's about setting new benchmarks. Our journey doesn't end here; it propels us forward, inspiring us to build a future that is stronger, greener, and more innovative than ever before.



FEATURE STORY

Setting New Benchmarks

Ever-highest Metal Production!



**1095
KT**

**Mined Metal
Production**

**1052
KT**

**Refined Metal
Production**





Our CEO Mr. Arun Misra at the Conference on Indian Industrial Minerals in Udaipur

Our CEO, Mr. Arun Misra, attended the Conference on Indian Industrial Minerals, organized by the Federation of Indian Mining Industries, as the Guest of Honour, alongside senior dignitaries from the Rajasthan Government and the mining sector. To showcase our efforts in innovation and sustainability, Ms. Sheeba Mashruwala, Head of R&D, highlighted Hindustan Zinc's technological advancements, while Mr. Hitendra Bhuptawat, Head of Environment & Sustainability - Zawar, spoke on ESG in metals & mining.



Strengthening The State of Qatar's iconic Lusail Stadium

We are proud to share that Hindustan Zinc, in partnership with our valued customer Prakash Surya, has contributed in strengthening Lusail Stadium—the iconic venue of the 2022 FIFA World Cup in Qatar. By providing zinc-coated galvanized iron pipes, we have enhanced the stadium's durability, strength, and corrosion resistance, reflecting our commitment to building world-class infrastructure.

From AI to A-grade sustainability, Zincky is leading the way!



We are proud to share that our AI-powered chatbot, Zincky which has been designed to make corporate reports smarter, more accessible, and sustainable, has earned us the Platinum Award for 'Introducing the First AI Chatbot for Annual Reports' at the AVA Digital Awards. This global competition honors creative professionals for excellence in planning, designing, and producing digital communication and marks our fourth consecutive *Platinum win in the Digital Marketing / Content Marketing category*, reinforcing our commitment to innovation and digital excellence.



When Steel Falls for Zinc, it's a Bond That Rust Can Never Break

Steel is the backbone of skyscrapers, ships, windmills, and shiny new cars. Many of our big investments, like homes or cars, rely heavily on steel as their skeleton, holding their shape for decades. But even the mightiest metal has an Achilles' heel—corrosion and rust. That sneaky, reddish-brown villain loves to turn our reliable steel into a flaky mess.

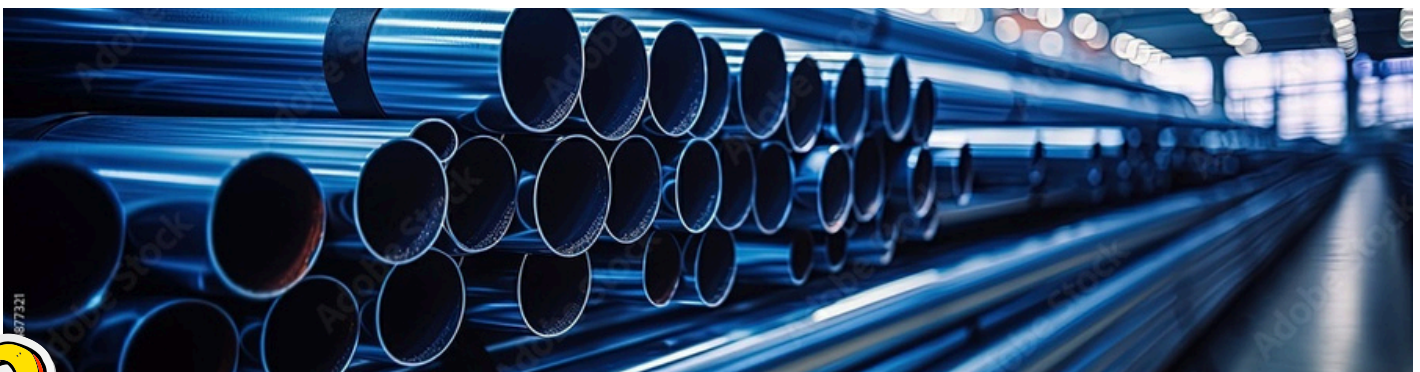


Enter the true hero of our tale: Zinc



Yes, you read that right. This critical metal plays a superhero role in a process called galvanization, which essentially transforms regular steel into a corrosion-resistant, rust-free, and longer-lasting champion. It's a simple process—one many of us learned about in school.

So how does zinc do it? Think of zinc as the armor in a knight's suit. The most common method is hot-dip galvanizing. Picture this: steel takes a bath in molten zinc at 450°C. As it cools, the zinc forms a protective coating that bonds tightly to the steel. And here's the best part—zinc isn't just sitting there looking pretty, it's working overtime. If the coating gets scratched, zinc doesn't panic. Instead, it sacrifices itself—literally. Zinc corrodes first in a noble gesture known as cathodic protection, saving the steel underneath. (We'd call it dramatic if it weren't so cool.)



Where does this happen?

Everywhere! From the poles that hold up your traffic lights to the skeleton of your car body, galvanized steel is all around you. Bridges, railings, farm equipment and even our home appliances owe their rust-free lives to zinc.

Why should you care?

Because zinc helps the world save billions each year by extending the life of steel. That means less inspection, fewer repairs and a whole lot more durability — something we all could use more of, right?





The Rise of Artificial Intelligence



FEATURED IN

ET Manufacturing
From The Economic Times

Hindustan Zinc has deployed Detect AI, an advanced AI-powered surveillance system, to enhance workplace safety by providing real-time insights for a more efficient work environment. Embracing Industry 4.0, the company is integrating AI, automation, and data analytics to drive productivity across its operations.



Read More!

Detect AI in use at the Sindesar Khurd Mine Mill, Rajpura Dariba Complex

Transforming Workplace Safety with AI-Powered Surveillance:





- 1 **Detect AI Implementation:** Advanced AI-powered camera system for safety, efficiency & compliance.
- 2 **IoT Integration:** Works with existing surveillance to reduce manual monitoring.
- 3 **Real-Time AI Monitoring:** Detects PPE violations, unauthorized access & work-at-height risks.
- 4 **Automated Alerts:** AI-driven analytics trigger instant safety alerts.
- 5 **Enhanced Safety:** Reduces incidents & ensures proactive risk management.

“

At Hindustan Zinc, we have embedded technological excellence and automation into our operations to power ahead on the path of sustainable and responsible growth. It is our vision to eliminate manual intervention and automate our processes with advanced technologies such as AI/ML, IIoT, computer vision. The implementation of this technology positions us ahead of the industry curve, integrating such innovative solutions for manufacturing excellence.

”

Driving Efficiency with Cutting-Edge Technology

-  **Tech Innovation:** Artificial Intelligence (AI), Machine Learning (ML), Internet of Things (IoT), drones & Augmented Reality/Virtual Reality (AR/VR) transforming mining operations.
-  **Key Focus Areas:** Process optimization, metal recovery, asset reliability & sustainability.
-  **Operational Impact:** 20-30% efficiency boost & 50% less manual intervention.
-  **Future-Ready Mining:** AI-driven automation setting new industry standards.



Arun Misra
CEO & Whole-time Director,
Hindustan Zinc Limited

AI Enabled | Quality Elevated | Excellence Driven

Special Sampark Session



We recently hosted a hybrid Special Sampark session, our monthly employee engagement forum, focusing on artificial intelligence, quality, and excellence. CEO Mr. Arun Misra and the senior leadership team discussed how AI-driven, quality-focused operations can enhance business efficiency and growth. A key highlight was the launch of Total Quality Management (TQM), reinforcing our commitment to operational excellence. The session also featured interactive AI activities, key production updates, and thought-provoking discussions, emphasizing AI's role in driving smarter decision-making and optimizing business performance. Employees reflected on past achievements, using them as a springboard for FY26's ambitious goals.



Breaking Barriers

Akshita Mishra Shines at the Youth Parliament



Akshita Mishra from our CSR team at Rampura Agucha Mine made her mark at the State-Level Viksit Bharat Youth Parliament Festival, winning 1st place at the district level and advancing to the state stage to speak at the Odisha Legislative Assembly.

The prestigious two-day event was inaugurated by Odisha Vidhan Sabha Speaker Smt. Surama Padhy and graced by esteemed dignitaries, including Deputy Speaker Shri Bhavani Shankar Bhoi, Minister Shri Suryabanshi Suraj, Minister Shri Mukesh Mahaling, and MLAs Shri Siddhant Mohapatra and Shri Manas Kumar Dutta. Among 140 participants from 30 districts, Akshita distinguished herself with exceptional eloquence and intellect, while also being the only representative from the LGBTQ+ community. Her inspiring journey exemplifies inclusivity, progress, and the true spirit of democracy.



SAFE & SUSTAINABLE

Celebrating World Water Day

Invest in a Bluer Future with Hindustan Zinc!



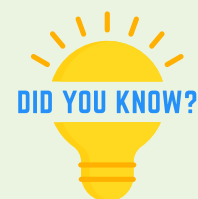
At Hindustan Zinc, sustainability is at the core of everything we do. As a water-positive company, we are committed to recharging groundwater potential, improving rural water access, and restoring essential ecosystems. In FY24 alone, we recycled 18 billion liters of water - enough to meet the annual needs of over 1,00,000 households in Rajasthan, one of the most water-stressed regions in India. With a vision of achieving 5x water positivity, we are making sure every drop counts. Together, we can build a bluer future, where every drop drives impactful sustainability.



New Water Treatment Plant Inaugurated at Rampura Agucha



Currently a 2.41 times water positive and a zero liquid discharge company







We recycle more than

18

billion litres of water =
Water consumption of
1 lakh households

#MakingWavesofChange

Advancing Sustainable Water Management with Zero Liquid Discharge (ZLD) Plants:

-  **Zero Discharge:** No industrial wastewater release.
-  **Water Recycling:** Treats and reuses wastewater.
- Freshwater Conservation:** Reduces dependency through reuse.
-  **Resource Recovery:** Recovers sodium salts (Na_2SO_4) in-house.
-  **Implementation:** Strengthened plants at Dariba, Debari, Chanderiya, Agucha and Zawar.

We are proud to have inaugurated our 5th Zero Liquid Discharge (ZLD) Plant at Rampura Agucha Mine, further expanding our water treatment capacity. This 4 MLD underground facility enhances process efficiency, reduces tailing dam water storage, and optimizes metal recovery. Boosting our water positivity to 5.5x, it saves 125 crore liters annually, setting new benchmarks in sustainable mining.

SAFE & SUSTAINABLE

Strengthening our Commitment to Safety

54th National Safety Week



Head Office, Udaipur



Chanderiya Lead Zinc Smelter

We recently celebrated the 54th National Safety Week across all our business units with initiatives like a Mini Marathon, Blood Donation Camp, and Work-at-Height Rescue safety simulation, aimed at boosting emergency preparedness. The week concluded with an oath-taking ceremony and awareness sessions, further emphasizing our dedication to the physical and mental well-being of our employees.



Zinc Smelter Debari



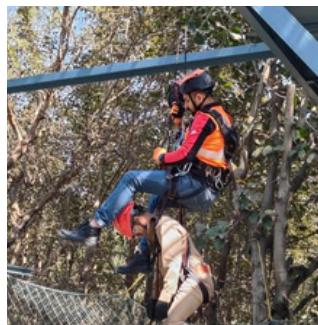
Kayad Mine



Zawar Group of Mines



Rajpura Dariba Complex



Pantnagar Metal Plant



Rampura Agucha Mine



Hindustan Zinc celebrates 101 new *Nand Ghars*, with 70 new ones inaugurated in Rajsamand District, Rajasthan



This feat brings the total Nand Ghars in the district to nearly 700, strengthening Rajasthan's anganwadi ecosystem

Hindustan Zinc, in collaboration with the Anil Agarwal Foundation (AAF), celebrated the milestone of 101 newly developed Nand Ghars in Rajsamand district, Rajasthan, with the inauguration of 70 new ones. The ceremony, held in Kuraj, Rajsamand, was attended by Smt. Dipti Maheshwari, Member of the Legislative Assembly (MLA) of Rajsamand, our CEO Sh. Arun Misra, and Hindustan Zinc's senior leadership. These Nand Ghars aim to transform rural communities through nutrition, digital education, healthcare, and women empowerment, adding to AAF's network of 4,200 centers across 15 districts in Rajasthan.



This is a monumental step in the development of Rajsamand. We appreciate the efforts of Hindustan Zinc in bringing transformative change to the state's anganwadi infrastructure. The Nand Ghar initiative embodies the shared vision of the Government, District Administration, and Hindustan Zinc towards holistic growth and empowerment of women and children at the grassroots level.



Rajasthan is a land of immense possibilities, and at Hindustan Zinc, we believe in nurturing opportunities at the very grassroots. The inauguration of over 100 Nand Ghars represents our commitment to transforming rural communities by providing women with opportunities and children with possibilities through education, healthcare, and nourishment. Together, we are building a more resilient and empowered India.



Nationally, the initiative has modernized over 7,500 anganwadis across 15 states, positively impacting over 3,00,000 children and 2,00,000 women. Equipped with nutritious meals, e-learning, solar power, and healthcare services, these modern anganwadis set a new benchmark for rural development, reinforcing our commitment to sustainable growth and social transformation.



Sakhi Didis in Spotlight

Sakhi Utsav



Chanderiya Lead-Zinc Smelter



Zawar Group of Mines



Pantnagar Metal Plant



Rajpura Dariba Complex



Rampura Agucha Mine

Sakhi Fest



We recently celebrated Sakhi Utsav, bringing together 5,000 Sakhi didis for a day of games, cultural performances, and inspiring stories, celebrating their resilience and achievements.

On Rajasthan Foundation Day, Sakhi Fest lit up Zinc City, Udaipur, with over 30 stalls, entertainment zones, and live performances, showcasing Rajasthan's rich traditions. Through Sakhi, our flagship initiative, we continue to empower rural women with employment and financial opportunities, fostering self-reliance.



From Grassroots to Glory

Nurturing Champions for the National Stage



Prem Hansdak



Mohammed Kaif

From Zinc Football Academy (ZFA) to the Indian Super League (ISL), our young talents are making their mark on the national stage. What began as a vision to nurture grassroots football is now a reality, with Zinc Football Academy graduates earning well-deserved recognition in India's top-tier league.

Recently, Mohammed Kaif and Prem Hansdak secured long-term contracts with Hyderabad FC and Mohun Bagan Super Giant, two of the biggest ISL clubs. Their journey from ZFA to professional football highlights the academy's commitment to excellence.



Sahil Poonia



Adding to this success, ZFA graduate Sahil Poonia made his ISL debut with Bengaluru FC, sharing the field with Indian football legend Sunil Chhetri in his very first match—a defining moment in his career. Having trained at ZFA since 2018, his rise reflects the academy's focus on world-class training and player development.

These achievements reaffirm ZFA's mission to nurture young talent and create pathways to professional football, turning dreams into reality and strengthening the future of Indian football.

AWARDS & RECOGNITION

Setting Industry Benchmarks with Prestigious Awards



Chanderiya achieved the Distinction Category, Dariba Smelting Complex, Zawar Captive Power Plant, Zinc Smelter Debari, and Kayad Mine earned the Merit Category, while Chanderiya Lead Zinc Smelter, Zawar Group of Mines, and Pantnagar Metal Plant received the Pass Category—reinforcing our commitment to workplace safety.

We are proud to be recognized at the 2025 British Safety Council International Safety Awards for our excellence in Automation, Innovation, and Competency Development



Received the Water Stewardship award (2nd Position) and Sustainability Performance award (2nd Position) at the 15th India Corporate Governance & Sustainability Vision Summit & Awards organized by the Indian Chamber of Commerce (ICC) in New Delhi



Recognized for Excellence in Fly Ash Management at 14th International Conference for Fly Ash Utilization - 2025



Won the Great Indian Risk and Great Indian Audit Teams Awards at the 4th Great Indian Audit Leaders' Summit & Awards



Won Inspirational Sustainability Performance Award at Amara Raja's Supplier Summit



Achieved ISO 50001 certification, showcasing our commitment to Sustainability and Energy Management

CELEBRATIONS

HAPPY HOLI



Head Office, Udaipur



Rajpura Dariba Complex



Rampura Agucha Mine



Zawar Group of Mines



Kayad Mine



Pantnagar Metal Plant



CELEBRATIONS

INTERNATIONAL WOMEN'S DAY



Head Office, Udaipur



Zawar Group of Mines



Kayad Mine



Rajpura Dariba Complex



Chanderiya Lead Zinc Smelter



Zinc Smelter Debari

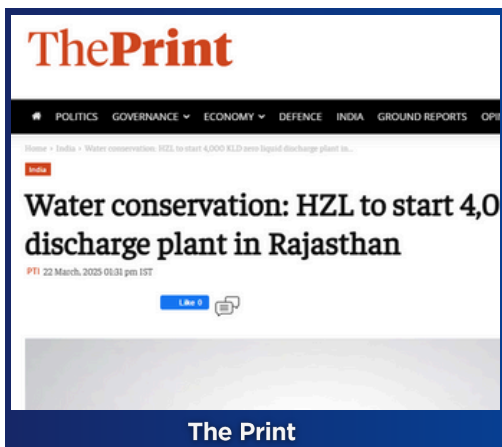
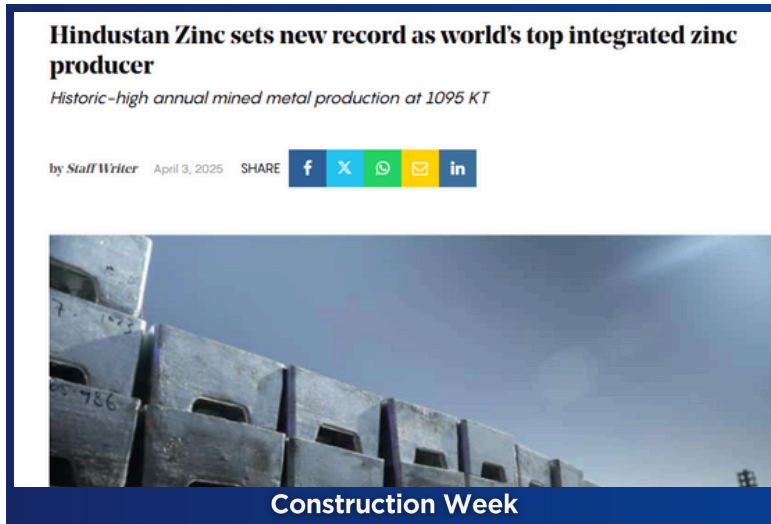
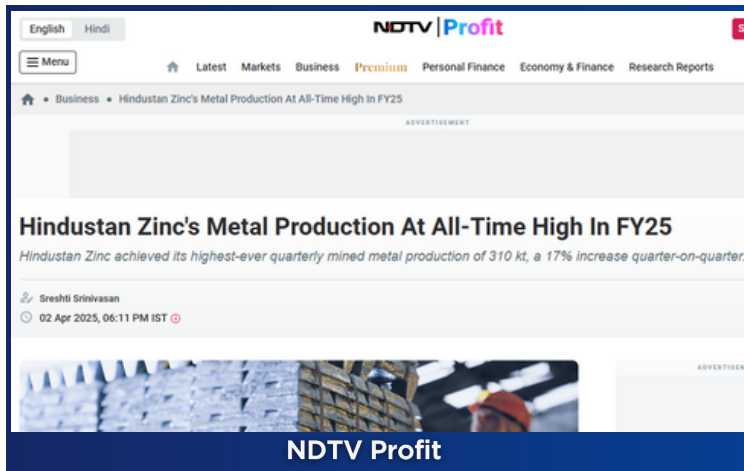


Pantnagar Metal Plant



Rampura Agucha Mine

MEDIA



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