

# ZINC NEWS

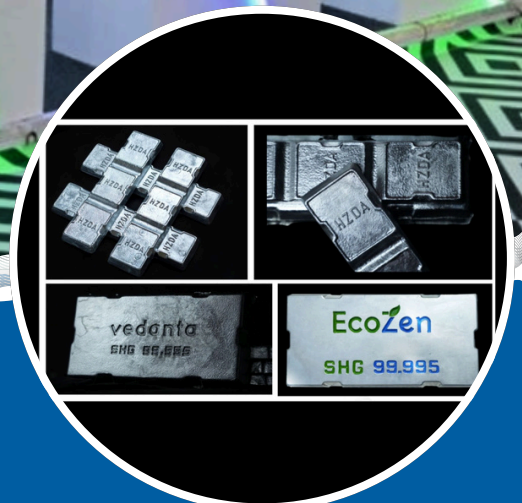
MONTHLY HOUSE JOURNAL OF HINDUSTAN ZINC LIMITED

ZINC NEWS | VOL 45 | ISSUE 1 | JANUARY 2025



## COVER STORY:

Driving the Future of Mobility with  
our Cutting-Edge Metals Portfolio





# FEATURE STORY

**HIGHLIGHTS  
OF HZL  
Q3 FY25  
RESULTS**

View the Q3FY25  
Investor Presentation

**Our Revenue  
₹ 8,614 crore  
(up 18% y-o-y)**

**Best-Ever 3Q Revenue**

**Our EBITDA  
₹ 4,539 crore  
(up 28% y-o-y)**

**Historic Best 3Q EBITDA**

**Our PAT  
₹ 2,678 crore  
(up 32% y-o-y)**

**9 Quarter Best PAT**

**Our 9-month Refined Metal  
783 kt  
(up 3% y-o-y)**

**Historic High Production**

**Our 9-month Mined Metal  
784 kt  
(up 1% y-o-y)**

**Historic High Production**

**Q3 Zinc Cost of Production  
\$ 1,041 mt  
(lowest in 15 quarters)**

vedanta  
SHG 88,888

**The World's Most Sustainable  
Metals and Mining Company**

for the 2nd consecutive year by S&P Global  
Corporate Sustainable Assessment 2024

**Top 3 largest metal companies  
in India with market cap of  
₹ 188k crore**

## CREATING LONG TERM VALUE INNOVATIVELY AND SUSTAINABLY

**Hindustan Zinc Q3 Results:  
Profit Zooms 32%, Exceeds  
Estimates**

**NDTV | Profit**

*Hindustan Zinc's revenue increased 17.8% year-on-year in the third quarter to Rs 8,614 crore.*

**Click Here to Read Now**

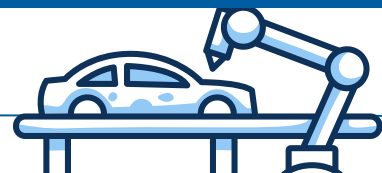
💡 **Total Shareholder Returns of c.₹ 181/share (c.62%) including dividend of ₹ 29/share**

💡 **Zinc Alloys driving value - Quarterly EBITDA INR 40-45 Crores**

💡 **Integrated Annual Report 2023-24 ranked among the Top 50 worldwide at League of American Communications Professionals (LACP) Spotlight Awards 2024**



# COVER STORY



## At the Core of the Metal and Mobility Revolution! India's Largest Automotive Event - Bharat Mobility Global Expo



Hindustan Zinc's stall at Bharat Mobility Global Expo



**WATCH THE AFTERMOVIE**

Exploring exciting opportunities in Automotive Innovation



Showcasing our advanced and diverse metals portfolio



We were proud to showcase our cutting-edge metals portfolio, including Hindustan Zinc Die Casting Alloy (HZDA 3 & 5) and EcoZen—Asia's first low-carbon 'green' zinc—at the Bharat Mobility Conclave. These innovative metals are at the forefront of driving sustainability and technological advancements in the manufacturing and automotive sectors. As the world of zinc continues to shape the future of mobility, the event provided a valuable platform to engage with industry leaders and collaborate on the next generation of solutions that are redefining the mobility revolution.



Ms. Sonal Choithani - Head of Market Development highlights zinc's critical role in protecting steel from corrosion



International Conference on Sustainable Circularity organized by Society of Indian Automobile Manufacturers (SIAM)



Our young visitors enjoying themselves while discovering the endless possibilities of the World of Zinc



From showcasing our cutting-edge products for auto components industry like HZDA 3 & 5 to being at the core of the mobility revolution, we brought the World of Zinc to life!





“ Do it right the first time, every time! ”

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

## Marking 59 Years of Innovation and Excellence: Hindustan Zinc's Foundation Day



**Watch Now!**

As we marked our 59th Foundation Day, we reflected on our journey since 1966, which was significantly accelerated by Vedanta's acquisition in 2002. We have since become the world's most sustainable metals and mining company and the second-largest integrated zinc producer, with production growing over 50x. We have also contributed ₹1,70,000 crores to the exchequer since 2002 and invested approximately ₹1,700 crores in social impact initiatives, benefiting nearly 20 lakh people across 4,000 villages.

## HZL Chairperson Ms. Priya Agarwal Hebbar at the World Economic Forum, Davos



WORLD  
ECONOMIC  
FORUM

**CLICK HERE TO CATCH A GLIMPSE**

### HZL Chairperson Priya Agarwal Hebbar highlighted:

- \$1.7 trillion investment is required globally in the mining sector to power the energy transition.
- With less than 15% of its natural resources tapped, India stands at the cusp of exponential growth.
- Vedanta 2.0's bold vision to double production of zinc and silver, fueling India's industrial and economic growth.
- Hindustan Zinc is driving long-term growth through renewable energy, a fully battery-powered logistics chain by 2030, and achieving Net Zero by 2050 or sooner.
- Hindustan Zinc's partnership with IITs to develop zinc batteries as a greener, cost-effective alternative to lithium.
- Recognized the growing role of women in India's workforce, prioritizing health and prosperity for a brighter future.



**Priya Agarwal Hebbar**  
Chairperson Hindustan Zinc

“ Hindustan Zinc has been ranked number 1 globally as the world's most sustainable metals & mining company for the second consecutive year by the S&P Global Corporate Sustainability Assessment. By embracing renewable energy and deploying battery-operated vehicles, including fully battery-powered logistics value chain by 2030, Vedanta and Hindustan Zinc are proving that sustainability is the smartest path for long-term business growth. We are already conducting some pilots in this area. Hindustan Zinc, as the world's largest integrated zinc producer and third largest silver producer, is collaborating with IITs and global institutions to advance this technology, which could disrupt the energy storage market by offering environmentally friendly solutions which are safe, stable and cheap compared to the lithium ones. ”

**CLICK HERE TO READ MORE!**

**As seen on**  
**Business Standard**

Home / Companies / People / Global mining sector needs \$1.7 trn funding to transition energy: HZL chief

**Global mining sector needs \$1.7 trn funding to transition energy: HZL chief**





## Deshnee Naidoo, CEO Vedanta Resources visits Hindustan Zinc



We hosted a special Townhall with Ms. Deshnee Naidoo, CEO - Vedanta Resources, where she shared her vision for Vedanta and Hindustan Zinc's future growth journey. In her address, she outlined Vedanta's strategic outlook, emphasising the company's expansion into critical metals, strengthening its global presence, and prioritising safety at the core of all operations. She expressed her commitment to driving business expansion and bringing widespread recognition for Vedanta on the global stage through innovation and operational excellence. Ms. Naidoo highlighted that returning to Vedanta with diverse experiences reinforces her belief that this company offers tremendous opportunities for holistic growth. She also spoke about Vedanta's agility and its strong focus on developing young leaders. Encouraging everyone to reflect on their journey, she emphasised the importance of making purpose-driven decisions that align with long-term, sustainable growth.



Sharing her vision for Vedanta and Hindustan Zinc's future



Discussing the future of mining with HZL CEO, Arun Misra



Our senior leadership and employees came together to engage in valuable discussions during the townhall



Interacting with our senior leadership, sharing her insights and vision



A special townhall with Ms. Deshnee Naidoo - CEO Vedanta Resources, London





## Driving Efficiency & Performance: Asset Optimisation Workshop with Business Partners



We recently conducted an Asset Optimization Workshop with our business partners, focusing on maximizing asset performance, enhancing efficiency, and driving cost reductions in line with our CEO Mr. Arun Misra's vision of 20% More @ 20% Less. Building on the success of our first round of Business Plan workshops, this session enabled collaboration with key stakeholders to identify opportunities for improving operations and resource utilization, reinforcing our path towards becoming the world's most admired producer of zinc, lead, and silver.

## Expanding international footprint with exclusive seminar in Indonesia



Hindustan Zinc, in collaboration with the Association of Galvanizers Indonesia (AGI), hosted an exclusive seminar in Jakarta to showcase its premium product portfolio, including Special High-Grade Zinc and EcoZen, Asia's first low-carbon 'green' zinc. Hindustan Zinc's extensive product offerings was presented by Mr. Vijay Murthy, HZL's Chief Marketing Officer. The event brought together 20 prominent galvanizers from Indonesia and highlighted innovative solutions aimed at meeting the growing demand for sustainability in the Southeast Asian market. EcoZen, our newly launched product, garnered significant interest among attendees, particularly for export requirements, reinforcing its global appeal and alignment with sustainable market trends. Mr. Harris Hendraka, President of AGI, lauded Hindustan Zinc's standing as a global leader in zinc and lead manufacturing. He shared AGI's positive experiences with Hindustan Zinc, praising the consistent quality of its materials and expressing a strong interest in future collaborations. The seminar also featured a dynamic technical presentation by our team, providing in-depth insights into the zinc manufacturing process and its wide-ranging applications across global industries.

## Hindustan Zinc partners with Amazon Business for procurement efficiency

**amazon business**

We are excited to share that we have formed a strategic alliance with Amazon Business to optimize procurement efficiency across our organization. This partnership will streamline purchasing processes, offering seamless access to an extensive product range, competitive pricing, and enhanced transparency.







## Hindustan Zinc recognized as a Green Leader Supplier by Larsen & Toubro



We are proud to share that we have been recognized as a Green Leader Supplier by Larsen & Toubro (L&T) under its Responsible Supply Chain Assessment Protocol for High-Grade Zinc. This distinction reflects our strong Environmental, Social, and Governance (ESG) performance and alignment with L&T's supply chain criteria, covering environmental impact, human rights, health and safety, CSR, and governance. With a customer-first approach, we innovate to meet evolving needs, supported by our Customer Technical Services team and Centre of Excellence.

## Strengthening Ties: Visiting the Council of Scientific and Industrial Research (CSIR) - Central Institute of Mining and Fuel Research (CIMFR) in Dhanbad, Jharkhand



Our CEO, Mr. Arun Misra, along with Mr. Ram Murari, IBU CEO, and Mr. Ayan Giri, Geo-technical Head of the Zavar Group of Mines, visited the Council of Scientific and Industrial Research (CSIR) - Central Institute of Mining and Fuel Research (CIMFR) in Dhanbad to review ongoing and upcoming collaborative projects between Hindustan Zinc and CIMFR. During the visit, they toured key facilities, including the 1000 Tonne Horizontal Tensile Testing Machine.

## Upskilling Workshop on Artificial Intelligence (AI) and Machine Learning (ML) conducted for our Digital Team



Our digital team, in collaboration with KPMG, recently hosted a three-day workshop on Artificial Intelligence (AI) and Machine Learning (ML). The workshop offered hands-on training in key AI/ML concepts and tools, enabling the team with expertise to drive innovation and growth. This initiative is a key step in making our Digital Team future-ready, keeping us at the forefront of technological advancements.





## Mining for self-reliance and progress

### Key Takeaways

- India's mining sector contributes 2% to GVA, with a 1% rise in mining boosting industrial production by 1.3% and GDP by 0.3%.
- IoT, AI, and ML enhance maintenance, monitoring, and decision-making for better efficiency and sustainability.
- Mining companies aim for a 30-40% reduction in carbon footprints by 2030, alongside zero waste mining practices.
- India's iron ore, bauxite, and manganese production has increased, making it a key supplier for renewable energy, EVs, and digital infrastructure.
- Reforms like the 2015 Mines and Minerals Act and 2023 policy updates have strengthened India's global position and attracted more investment.

Featured By **FINANCIAL EXPRESS**

Read to Lead



[Click here to read the authored article!](#)



## India's battery revolution: How zinc-based tech is powering the country's clean energy future

Featured By

**FORTUNE**  
INDIA

### Key Takeaways

- India's transition to zinc-based battery technologies is a significant step in driving its clean energy future.
- Zinc-air batteries offer advantages such as safety, scalability, and adaptability to India's climate and energy demands.
- Collaborative efforts between Hindustan Zinc and IIT Madras are advancing prototypes for Electric Vehicles and energy storage.
- Government initiatives like the Production Linked Incentive scheme and the "Make in India" program are promoting domestic manufacturing and innovation.



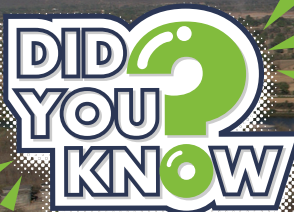
**Arun Misra**  
CEO & Whole-time Director,  
Hindustan Zinc Limited



Designing batteries tailored to India's unique environmental, economic, and energy needs requires a technological leap. Zinc-based batteries offer a more stable and viable alternative, as they inherently tolerate high temperatures and is more suitable for India's conditions. Zinc batteries also offer long-duration storage with a wide operating temperature range. Since zinc resources are locally available, zinc battery technology can benefit from the pro-manufacturing environment of the country. Approximately 80% of zinc used globally is sourced from recycled materials. The recycling process for zinc batteries is less energy-intensive and straightforward.



[Click Here to Read the Authored Article!](#)



**Hindustan Zinc is one of the top 3 largest metal companies in India with a market cap of 1,88,000 crores**



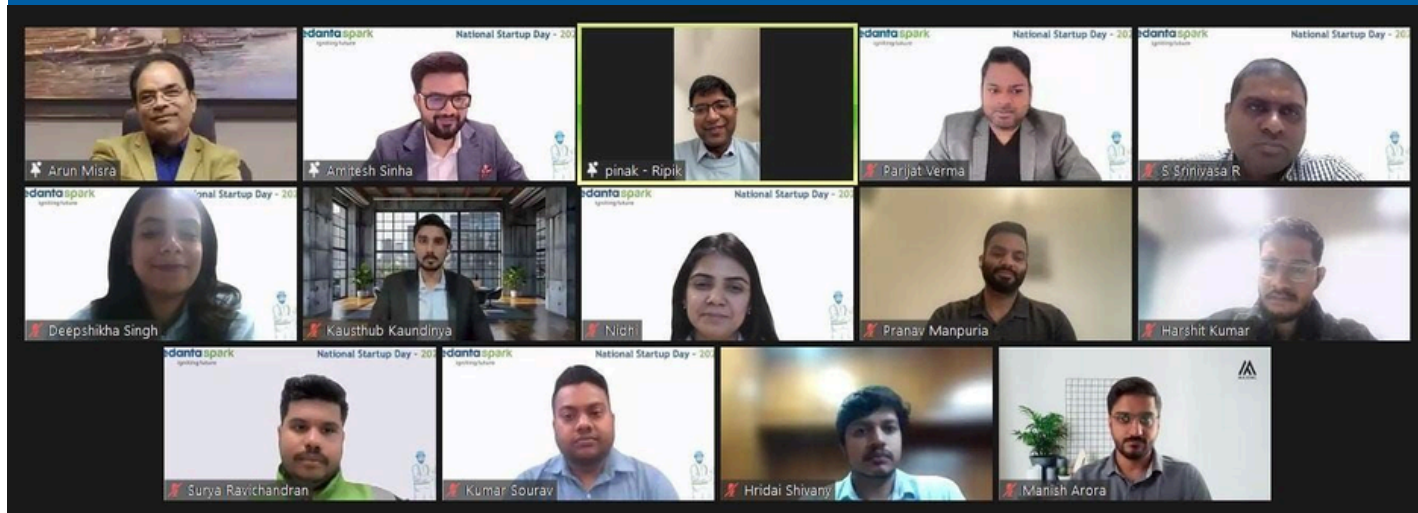


January  
16th

## NATIONAL STARTUP DAY



### Honoring top startups driving technological and innovative transformation at Hindustan Zinc



On National Startup Day, January 16th, we celebrated the innovation and collaboration driving digital transformation across our value chain through Vedanta Spark. In an engaging webinar led by CEO Mr. Arun Misra and senior leadership, we honored eight startups for their exceptional contributions to operational efficiency, safety, and sustainability. With over 40 startups involved in more than 60 projects, we are leveraging technologies like AI, Internet of Things, and Robotics to set new benchmarks for a smarter, safer, and more sustainable future.



“ India’s startup ecosystem drives today’s innovations. At Hindustan Zinc, our investments in the latest technologies ensure sustained operational efficiencies. As an energy transition metal producer, our agile response to technological developments through new-age startups helps us create pathbreaking innovations and stay ahead of the industry curve. Together, we are developing a lean, responsive ecosystem to match the evolving metal economy for a sustainable future. ”

Arun Misra, CEO, Hindustan Zinc Limited



“ Our Smart Safety cooling helmets align with Hindustan Zinc’s safety values. By integrating air-conditioned helmets and AI-enabled cameras, we aim to reduce heat stress, monitor incidents, and enhance connectivity. It’s a privilege to collaborate with Hindustan Zinc in improving health, safety, and productivity. ”

Kausthub Kaundinya, Co-Founder, Jarsh Safety



“ Working with the world’s second-largest integrated zinc producer, we drive large-scale impact across advanced plants. Leveraging our patented vision AI model, we’ve helped HZL scale production, reduce energy use and emissions, and improve response times for 100+ users in 10+ units. ”



Pinak Dattaray, Founder, Ripik.ai





# PEOPLE PRACTICES



## Celebrating our Employees' Graduation from Birla Institute of Technology and Science (BITS) Pilani



We recently hosted a convocation ceremony to celebrate our employees who successfully completed a specialized course in collaboration with Birla Institute of Technology and Science (BITS), Pilani, Rajasthan. Our CEO Mr. Arun Misra, CFO Mr. Sandeep Modi, and CHRO Mr. Munish Vasudeva felicitated the graduates, highlighting our commitment to empower our workforce through continuous learning and development.

## Hindustan Zinc employees shine at Procurement Awards 2024-25 organised by the Indian Institute of Materials Management, Udaipur

### Supplier Collaboration & Innovation Award



**Payal Purohit**  
1st Runner up



**Vaibhav Kumar Jain**  
2nd Runner up

### Procurement Excellence Award



**Garima Ranka**  
Winner



**Apporva Vyas**  
1st Runner up



**Ashish Mathur**  
2nd Runner up

## Empowering our workforce through capacity building program on Hydraulics in Mining Machines by Indian Institute of Technology (IIT) - Indian School of Mines (ISM), Dhanbad



At Hindustan Zinc, we are dedicated to continuous employee development. Recently, six executives completed a one-week residential training on 'Hydraulics in Mining Machines' at the Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand, enhancing their technical skills and empowering them to drive operational excellence.



# PEOPLE OF ZINC CITY

This month, we spotlight **Nehal Solanki**, a proud Udaipur - Zinc City native and a Gold Medalist in Mining Engineering from CTAE, breaking boundaries at Hindustan Zinc.



## As a Gold Medalist in Mining Engineering, what inspired you to pursue this field, and how has your academic background shaped your journey at Hindustan Zinc?

Mining is my legacy, shaped by my father's dedication. As the eldest of four sisters, people doubted who would carry on his work. In 2018, I pursued Mining Engineering, and when women were allowed in underground mines in 2019, I seized the chance. Earning a Gold Medal was a tribute to my father's values. Now, at Hindustan Zinc, I continue his legacy, and when he looks at me, he sees a daughter who made him proud.

## What advice would you give to young women aspiring to build a career in mining?

To young women in mining: believe in yourself and defy stereotypes. I was told I couldn't carry my father's legacy, but I proved them wrong. When women were allowed underground, I knew I was where I belonged. Don't let doubts hold you back. Work hard, embrace challenges, and own your journey. You're not just building a career, but a legacy for future women in mining.

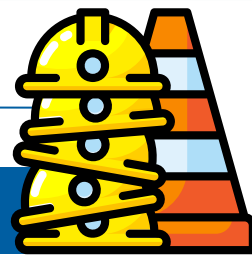


## If we had a 'Zinc City Olympics,' what event would you win gold in, and why?

If Hindustan Zinc had a 'Zinc City Olympics,' I'd win gold in Shooting. It's all about focus, precision, and determination—qualities that shaped my journey in mining. From NCC training to joining India's first female mine rescue team, I've always aimed for the impossible. Like shooting, mining requires strength, resilience, and staying focused on your goal.



# SAFE & SUSTAINABLE



## "Parvah/Sadak Suraksha, Jeevan Raksha": Observing Road Safety Month



**Zinc Smelter Debari**



**Rampura Agucha Mine**



**Pantnagar Metal Plant**



**Rajpura Dariba Complex**



**Zawar Group of Mines**

This month, we observed Road Safety Awareness across all our business units with the theme "Parvah" (Care) and "Sadak Suraksha, Jeevan Raksha" (Road Safety, Life Safety). We conducted various activities have been organized to raise awareness about the critical importance of road safety, both at work and in our personal lives.

## Pantnagar Metal Plant introduces backshifts for women employees



In our constant effort to transform the workplace, we are proud to announce that our Pantnagar Metal Plant has introduced backshifts for our women employees. This marks a key milestone in our journey towards a more inclusive and equitable workplace, offering women opportunities to grow while prioritizing their safety and well-being.





## Countdown to Vedanta Udaipur World Music Festival, supported by Hindustan Zinc



The Vedanta Udaipur World Music Festival, taking place on February 7th, 8th, and 9th, promises a vibrant celebration of global music in Zinc City - Udaipur. To raise the curtain for this grand event, a special session was held, followed by a night of gala musical performances, setting the stage for an unforgettable festival experience.

## Hindustan Zinc showcases Sakhi Initiative at Zinc City's Flower Show



We proudly showcased products from our women empowerment community initiative, Sakhi at the Flower Show held at Fatehsagar Lake in Udaipur - Zinc City. The display included products under Daichi along with handcrafted fabric items under the Upaya brand. This program promotes women empowerment and mobilises tribal and rural women groups to make them financially independent.

## Hindustan Zinc wins 2nd Prize in Jhanki Pradarshan at Chittorgarh



Furthermore, Chanderiya Lead Zinc Smelter (CLZS) participated in a Jhanki (tableau) display at Indira Gandhi Stadium, Chittorgarh, during the district's Republic Day celebrations. The tableau highlighted key community initiatives such as Sakhi, Sakhi ME, Samadhan, Shiksha Sambal, Zinc Kaushal, and the drinking water initiative, among others, and earned second prize for its impactful and well-executed presentation.





## National Youth Day Celebration with Zinc Kaushal Kendra students



**Rajpura Dariba Complex**



**Rampura Agucha Mine**



**Kayad Mine**



**Zinc Smelter Debari**

We celebrated National Youth Day with the students of our social impact program, Zinc Kaushal Kendra, across all our business units. This program is a skill development initiative designed to empower rural youth in Rajasthan with valuable employment opportunities through short-term courses. We also inaugurated a Sales & Marketing Lab at our Rajpura Dariba location to further support skill development.

## Zinc Football Academy stars sign long-term contracts with Indian Super League (ISL) Clubs



**Prem Hansdak**



**Mohammed Kaif**

We are proud to share that two of our talents from our Zinc Football Academy, Mohammed Kaif and Prem Hansdak, have signed long-term contracts with top Indian Super League (ISL) clubs, Hyderabad FC and Mohun Bagan Super Giant, respectively. The Indian Super League (ISL), recognised by FIFA and AFC, is India's premier professional football league, representing the country's top-tier domestic competition.

## Zinc football community school girls finish runner up in Asmita Khelo India under-25 league in Udaipur



Zinc Football Academy, represented by our community school girls, finished runner up, just behind Champions Magan Singh Rajvi Football Academy in the Asmita Khelo India Under-15 Football League, held in Rockwoods International School Udaipur. ZFA striker Kanishka Meena won the Emerging Player of the Tournament award while Savita grabbed the Best Defender of the Tournament award.



# ART & HERITAGE



## Hindustan Zinc at the



[CLICK HERE TO WATCH!](#)

Our CEO, Mr. Arun Misra, inaugurated the book reading session 'Incredible Gravity of Being,' discussing science's role in the metals and mining industry and our impact on Rajasthan's growth and heritage

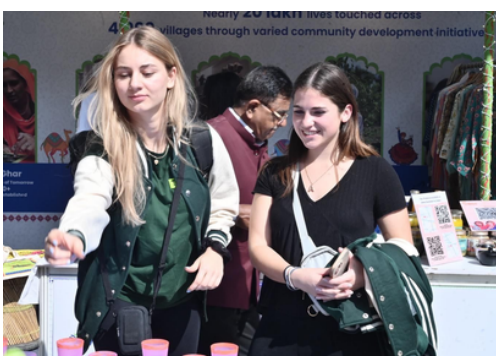
Explore the soul of vibrant Indian art and culture at the Anil Agarwal Foundation Bagaan!



Padma Shree Awardee Sh. Javed Akhtar launches his new book, 'Gyan Seepiyan: Pearls of Wisdom' along with renowned author and philanthropist Smt. Sudha Murthy



Showcasing the impact of our social initiatives through Daichi (preservative-free edibles) and Upaya (homegrown fashion) products



Visitors experiencing fun interactive activities at our stall!



Live Ajrak block printing



Hindustan Zinc's exclusive House of Zinc merchandise in high demand



# A MONTH OF SPORTS ACTION

## Celebrating Sports Excellence at CII-Vedanta Hindustan Zinc Ltd. Invitation Golf Cup



The CII-Vedanta Hindustan Zinc Ltd. Invitation Golf Tournament, a one-day sporting extravaganza, saw the participation of over 100 golfers, including accomplished women players. Mr. Munish Vasudeva, CHRO of Hindustan Zinc Ltd., participated in the tournament and addressed attendees on the valuable managerial skills that can be learnt through golf. Renowned professional woman golfer Shweta Man Singh, along with other distinguished dignitaries, graced the event, adding to its grandeur and success.

## Hindustan Zinc concludes the 45th Mohan Kumar Mangalam Football Tournament



Hindustan Zinc, in collaboration with the Zawar Mines Mazdoor Sangh, successfully concluded the 45th edition of the prestigious Mohan Kumar Mangalam (MKM) Football Tournament at the MKM Stadium in Zawar, Rajasthan. The thrilling final saw Kashmir United FC emerge victorious, defeating Hindustan Zinc XI 2-1 in a fiercely contested match. This iconic tournament brought together 12 talented teams from across India, each representing their state in an exciting showcase of football and sportsmanship.

## Chanderiya concludes Inter-Zinc Cricket Championship | Dariba claims the victory



The grand finale of the Inter-Zinc Cricket Championship Season 3, hosted by Chanderiya Lead-Zinc Smelter, provided a thrilling showdown between the teams of Chanderiya and Dariba. Both played with passion and intensity, making for a nail-biting contest that kept spectators on the edge of their seats. In the end, Dariba triumphed, securing their third championship title with an impressive display of skill and determination. This victory added to their legacy, capping off a thrilling season of cricket.



# AWARDS & RECOGNITION



## Pantnagar Metal Plant triumphs at 4th Kaizen Competition



Pantnagar Metal Plant participated in the 4th Kaizen Competition organized by Quality Circle Forum of India on January 28, 2025, with 8 teams competing 4 from Silver and 4 from Zinc. Out of these, 5 teams were awarded Gold, while 3 secured Silver. The competition featured various categories including Safety, Equipment Reliability, New Product Development, and Asset Optimization, with a total of 76 teams from 25 industries participating.

PMP was honoured with the prestigious Best Kaizen title for the development of the Anode Casting Trolley, a solution designed to eliminate manual handling. This achievement highlights our unwavering commitment to continuous quality improvement, showcased through our consistent participation and success in such competitions.

## Chanderiya Lead Zinc Smelter Recognized for Exceptional Safety Efforts on Republic Day



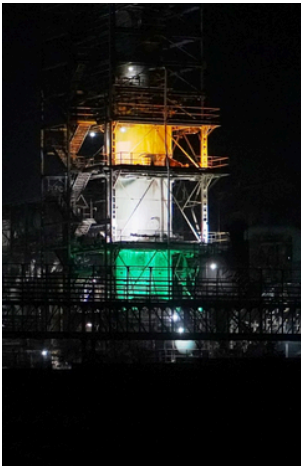
On Republic Day, Chanderiya Lead Zinc Smelter (CLZS) was proudly awarded an Appreciation Award by the Chittorgarh District Administration in recognition of its impactful community initiatives, which have positively impacted over 5 lakh people across its operational villages. Furthermore, the Safety Team was commended for their swift and efficient rescue operations during emergencies, offering crucial support to the people of Chittorgarh.



# CELEBRATIONS



**Celebrating the strength of our nation this Republic Day**



From the world's largest underground zinc mine, Rampura Agucha in Bhilwara waving the tricolour from 940 metres below the surface to donning the colours of our national flag on its mast at India's oldest smelter, Zinc Smelter Debari in Udaipur, this Republic Day, we celebrate India's strength, built on the resilience of its infrastructure and the innovation driven by metals like zinc and silver. From durable bridges to cutting-edge technology, these metals are paving the way for India's brighter and sustainable future.



**Kayad Mine**



**Rajpura Dariba Complex**



**Zinc Smelter Debari**



**Pantnagar Metal Plant**



**Rampura Agucha Mine**



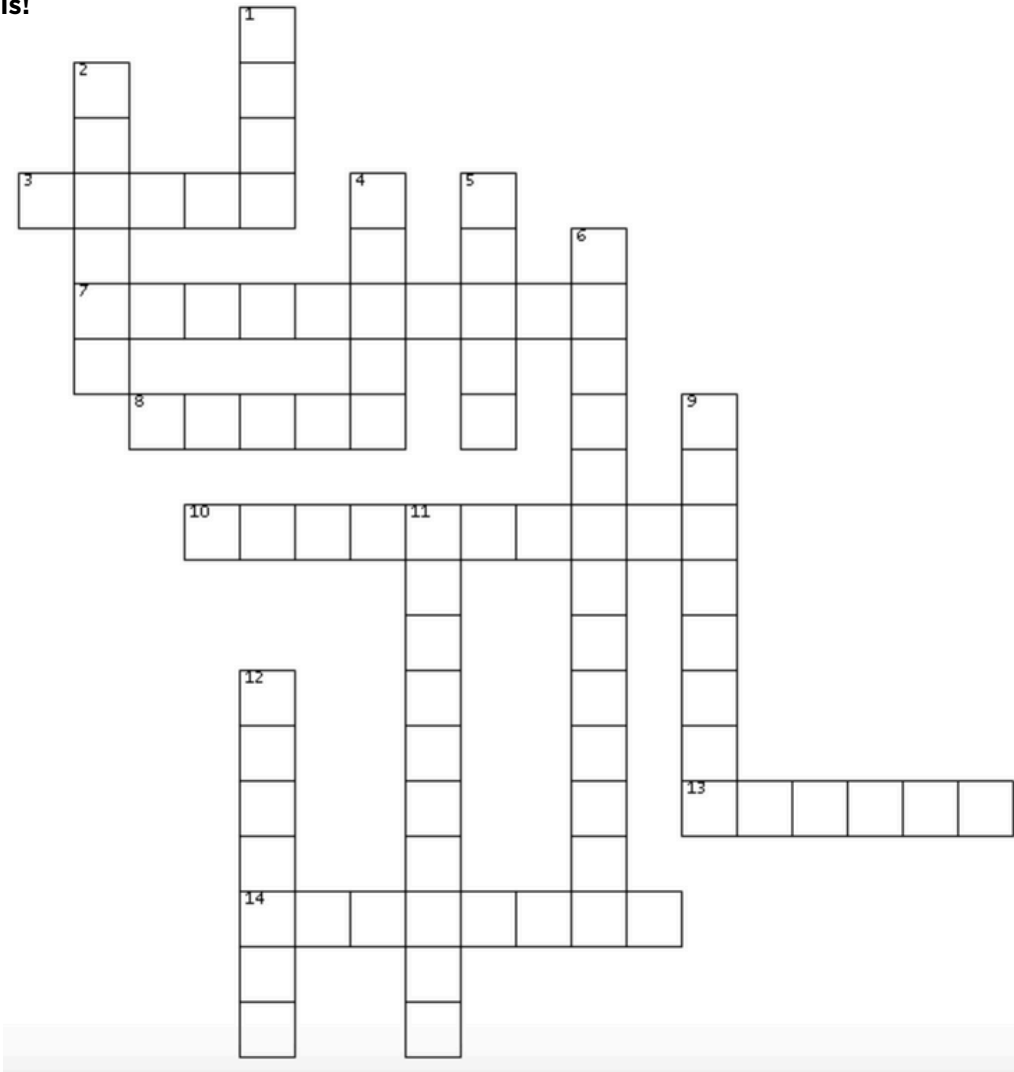
**Chanderiya Smelting Complex**



# LIFE IN ZINC CITY

## The Mine Your Mind Crossword!

Solve the clues to uncover words related to Hindustan Zinc, its operations, and the world of mining and metals!



**Across:**

- 3. The first step in any emergency response (5 letters)
- 7. System ensuring emergency exit pathways are always accessible (10 letters)
- 8. The universal signal for stopping machinery in case of danger (5 letters)
- 10. Equipment used to protect against dust and toxic fumes (10 letters)
- 13. A key priority in HZL's operations, ensuring worker well-being (6 letters)
- 14. The practice of identifying and reducing hazards (8 letters)

**Down:**

- 1. A brightly colored item worn to ensure visibility (4 letters)
- 2. Essential protective gear for head safety in mining (6 letters)
- 4. The action of stopping work if a hazard is identified (5 letters)
- 5. Training conducted to prepare workers for emergencies (5 letters)
- 6. A detailed analysis conducted after an accident to prevent recurrence (12 letters)
- 9. Essential for clear communication in high-noise environments (8 letters)
- 11. An essential workplace routine for detecting fire risks (10 letters)
- 12. A safety professional responsible for risk assessments (7 letters)

Stay tuned for the answers in the next edition of Zinc News! In the meantime, send us your solutions, and you could be featured in the upcoming issue! Keep mining those clues!

**Answers for the previous edition:**

Across: 5. Renewal | 9. Teamwork | 11. Celebration | 12. Sustain | 13. Shift | 14. Fireworks | 15. Energy || Down: 1. Celebration | 2. Hope | 3. Goal | 4. Resilience | 5. Mine | 6. Growth



# LIFE IN ZINC CITY

## Welcome to the Metal-antics!

Every month, these three metals will team up (or get into friendly rivalry) to bring you hilarious facts, wild antics, and sparkling stories that will make you look at your everyday metals in a whole new way.



**ZINC**

The ever-energetic innovator



**LEAD**

The heavy- hitting protector



**SILVER**

The sleek and shiny star

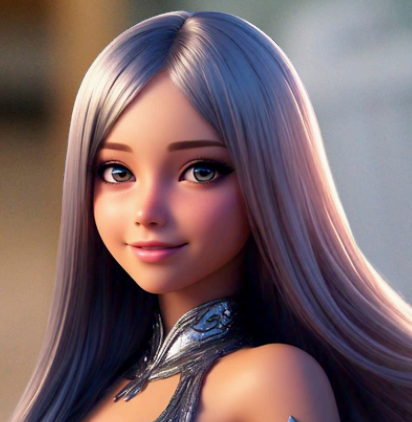
*Edition 3*

*Zinc, Lead, & Silver: Metals at Work*

do the heavy lifting—  
shielding radiation,  
powering batteries,  
and reinforcing glass.  
Strong, reliable, and  
essential... just like a  
superhero, minus the  
cape!

I'm the backbone of  
durability—coating  
steel, preventing rust,  
and making sure  
bridges don't take  
unexpected vacations.  
No need to thank me...  
but you should!

Oh, you know me—  
just making tech  
smarter, medicine  
better, and jewelry  
shinier. Basically,  
I'm the VIP of the  
periodic table!



*Buckle up for a ride through the wacky world of our Heavy Hitters—  
because when these metals get together, the fun never rusts!*



**OPINION**

## India's battery revolution: How zinc-based tech is powering the country's clean energy future

India is poised to transform its energy storage landscape and drive sustainable growth in the battery sector.

By VIJAYALAKSHMI SRIDHAR, Jan 21, 2025 | 5 min read



**Fortune India**

## नेत्र जांच शिविर में ट्रक चालक लाभान्वित



नवज्योति चित्तौड़गढ़। चंदरिया लोड जिंक स्मेल्टर द्वारा स्वर्ण सेवी संस्था उन्नति के सहयोग से 7 वें एक दिवसीय नेत्र जांच शिविर का आयोजन किया गया। शिविर का उद्देश्य वाहन चालकों के नेत्र स्वास्थ्य और कल्याण को बढ़ावा देना एवं उनकी सुरक्षा करना है। शिविर में नेत्र रोग विशेषज्ञ एवं टीम ने संयंत्र में आने वाले बड़ी संख्या में ट्रक चालकों के दृष्टि से जांच की एवं आवश्यकता अनुरूप निःशुल्क चरमा उपलब्ध कराया। जांच शिविर में बीडी मास इंडेक्स मूल्यांकन भी शामिल था। इस अवसर पर उन्नति की ओर से नेत्र रोग विशेषज्ञ डॉ. चंदन जैन, संदीप कुमार, भैरुलाल माली उपस्थित थे। विगत आयोजित 7 शिविरों में अब तक 5,02 ट्रक चालक लाभान्वित हो चुके हैं। चंदरिया लोड जिंक स्मेल्टर

**Dainik Navjyoti**

## Global mining sector needs \$1.7 trn funding to transition energy: HZL chief

Priya Agarwal further added that this presents a significant opportunity for India to harness its resources better equipped with the right technology and innovation to make mining minimally invasive

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**Business Standard**

## Mining for self-reliance and progress



**ARUN MISRA**

INDIA'S MINING SECTOR has undergone a remarkable transformation—from a traditional excavation-driven industry to a sustainability-focused, technology-powered force.

Today, the sector is a key contributor to the economy, accounting for over 2% of the national Gross Value Added (GVA) and serving as a multiplier for industrial growth. Notably, a 1% increase in mining activity can spur a 1.3% rise in industrial production and a 0.3% boost in GDP, an indication of its far-reaching influence.

India's mineral wealth has long been the backbone of its industrial growth. In the last decade, this sector has seen a massive change due to new technologies and policy shifts. The amendments made in 2015 to the Mines and Minerals (Development and Regulation) Act introduced a transparent auctioning process, which, combined with increased lease

developments have turned the landscape brimming with potential and an industry poised to meet the demands of infrastructure development and energy transition.

Iron ore, a cornerstone of India's industrial framework, exemplifies this evolution. Production surged from 152 million tonnes in FY14 to 274 million tonnes in FY24, positioning India as the world's fourth-largest producer. The numbers, while impressive, tell only part of the story. The mining industry is increasingly adopting new technologies to improve efficiency and sustainability.

more sustainable operations. With advanced analytics, companies can now foresee equipment failures and streamline production processes, minimising downtime and staying competitive in a fluctuating market.

Sustainability, once a peripheral concern, has now become a keyboard agenda. The sector has adopted practices aimed at zero-waste mining, maximising resource efficiency, and minimising environmental impact. Companies are integrating renewable energy sources into their operations, with ambitious targets of a 30-40% reduction in mining-related carbon foot-

The evolving regulatory environment has also played a pivotal role in driving the industry forward. Policies like the National Mineral Policy 2019 aim to foster transparency, attract private investment, and encourage sustainable mining practices. The introduction of offshore mining rights and mechanisms to explore critical and deep-seated minerals are steps in the right direction. These reforms pave the way for enhanced exploration capabilities and increased domestic production, reducing dependency on imports and strengthening supply chain resilience.

Yet, challenges persist. The need for significant investments in mineral beneficiation and extraction technologies is urgent. Encouraging collabora-

**Financial Express**

## ग्लोबल एनर्जी ट्रान्जिशन में सिल्वर नई आशा की किरण: अरुण मिश्रा

**भास्कर समाचार सेवा**

करने के लिए, उद्योग को धीव्र के लिए तैयार रहना होगा जो कि भारत और वैश्विक बाजार के लिए महत्वपूर्ण खनिजों को बढ़ी हुई आपूर्ति सुनिश्चित करें। सिल्वर ट्रेड के अनुसार, भारत की चांदी की मांग भी ऊपर की ओर बढ़ रही है, जो मुख्य रूप से दो क्षेत्रों आभूषण और औद्योगिक उपयोग द्वारा संचालित है।

औद्योगिक मांग, विशेष रूप से इलेक्ट्रॉनिक्स और सौर ऊर्जा में बढ़ रही है, क्योंकि इन उद्योगों को ऐसी सामग्री की आवश्यकता होती है जो सुचालक और स्थायी दोनों हों। इसके अलावा, ऑटोमोटिवल इंडिया में के क्षेत्र में बढ़ती प्रवृत्ति ईवी, 5 जी तकनीक, परिवहन, नैनो टेक्नोलॉजी, बायोटेक्नोलॉजी, हेल्थकेयर, कंप्यूटर इलेक्ट्रॉनिक्स, विनोदक, कंज्यूमर और डेटा सेंटर में एनर्जी खनिज विभिन्न उपयोग उद्योगों में चांदी की आवश्यकता को और बढ़ा रही है।

**Dainik Bhaskar**

## राजस्थान का विकास इंजन: हिंदुस्तान जिंक द्वारा सतत विकास की दिशा में कदम

(समाचार पत्र) Published on: 09 Jan, 25 16:01



भारत के सबसे बड़े और सबसे अधिक विकसित हिंदुस्तान जिंक (NSE: HINDZINC) ने अपने संयंत्र के 50 वीं वार्षिकी के रूप में राजस्थान के राज्य में स्थित हिंदुस्तान जिंक लिमिटेड ने देश और दुनिया को जिंक उपयोग करता हुआ अवसर प्रदान की है। एक पूरे रूप से एकीकृत उद्योग के रूप में, कंपनी संयंत्र में भूमिगत जिंक-लेड खदानों, कोल्डर और फीचर चार प्लांट्स का संचालन करती है।

1966 में उदयपुर में 18,000 टन प्रतिवर्ष क्षमता वाले कोल्डर के साथ शुरू हुई हिंदुस्तान जिंक की यात्रा, भारत के विकास की कक्षा में प्रमुख भूमिका निभाने के उद्देश्य से की गई थी। सरकारी नियंत्रित, कंपनी की उदयन क्षमता लगभग 2 लाख टन प्रतिवर्ष तक बढ़ी। 2002 में सरकारी नियंत्रित और वैश्वीकरण के माध्यम से, यह उदयन 4 गुना बढ़कर 1 मिलियन टन प्रतिवर्ष से अधिक हो गया।

वैश्वीकरण के नेतृत्व में, हिंदुस्तान जिंक ने न केवल संयंत्र के अधिक और समाधिक परिवर्तन में महत्वपूर्ण योगदान दिया है, बल्कि निर्यात बाजार और गहन उद्योग में अपनी पहचान बनाई है। सामुदायिक विकास, वातावरण और अधिक समृद्धि में लक्ष्यित निवेश के माध्यम से, कंपनी ने

**Pressnote**

## Hindustan Zinc Q3 Results: PAT zooms 32% YoY to Rs 2,678 crore

By Akash Podishetti, ETMarkets.com • Last Updated: Jan 28, 2025, 02:35 PM IST

**Synopsis**

Hindustan Zinc Q3 Results: On a sequential basis, net profit after tax gained 15% from Rs 2,327 crore reported in the preceding September quarter. Revenues, on the other hand, rose 4% quarter-on-quarter (QoQ).

**Hindustan Zinc** on Tuesday reported a 32% year-on-year (YoY) growth in its consolidated net profit, reaching Rs 2,678 crore, while revenue from operations increased by 18% YoY to Rs 8,315 crore.

**Economic Times**

## Hindustan Zinc unveils innovative zinc products at Bharat Mobility Expo 2025

Hindustan Zinc aims to support the automotive industry's shift towards sustainability and localisation by offering domestically produced, high-quality zinc, lead, and silver. The company emphasises the increasing consumer demand for corrosion-resistant vehicles and the role of galvanized steel in meeting this need.

**ET Manufacturing**

## हिंदुस्तान जिंक: विंटर कैप से 1700 से अधिक विद्यार्थियों ने उठाया लाम



अजमेर। हिंदुस्तान जिंक लिमिटेड की ओर से आयोजित शिक्षा पर केंद्रित शिक्षा संस्कृत परियोजना के शीतकालीन

**Dainik Bhaskar**

## Car buyers beware! Is your car body corrosion-free?

As a vehicle is typically expected to run for at least 10 to 15 years, it is essential for buyers to choose a car that not only incorporates high-end features but also offers a rust-free, safe and secure car body. A car is not just a material purchase but probably the second-largest investment that consumers will make, after a home. Ensuring the car's durability is essential for the consumer, one that can withstand regular wear and tear as well as the weather conditions encountered in India, like high humidity, warm temperatures, coastal sea salt and long periods of rain & slush.

**ET Auto**

## Kashmir United FC Triumphs in 4 Mohan Kumar Mangalam (MKM) Football Tournament in Zawar, Rajasthan



**Udaipur Kiran**

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