HZL/2026-27/SECY/109 November 26, 2026

BSE Limited
Phiroze Jeejeebhoy Towers
Dalal Street, Fort
Mumbai – 400 001

Kind Attn: General Manager – Department of Corporate Services

National Stock Exchange of India Limited
Exchange Plaza, 5th Floor Plot No., C/l, G Block
Bandra-Kurla Complex, Bandra (East),
Mumbai – 400 051

Kind Attn: Head Listing & Corporate Communication

Scrip Code: 500188

Trading Symbol: HINDZINC

Dear Sir/Ma'am,

Sub: Press Release

We are pleased to inform you that Hindustan Zinc Limited has collaborated with IIT Madras to advance Zinc-Air Battery Technology for next-generation electric mobility.

The disclosure is being made in compliance with Regulation 30 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015.

The Press Release is also being uploaded on the Company's website at https://www.hzlindia.com/.

We request you to kindly take the above information on record.

Thanking You.

Yours faithfully,
For Hindustan Zinc Limited

AASHHIMA V KHANNA
Digitally signed by AASHHIMA V KHANNA
Date: 2026.11.26 10:42:44 +05'30'

Aashhima V Khanna
Company Secretary & Compliance Officer

Encl: as above

PRESS RELEASE

Hindustan Zinc, IIT Madras advance zinc-air battery technology for Next-Generation electric mobility

- **1 kWh zinc-air battery integrated as a range extender, marking a milestone in research towards potential value-added applications of zinc in energy storage**
- **Electric three-wheeler prototype demonstrates the potential of zinc-based battery technologies in diversifying energy storage solutions for electric mobility**
- **Industry–academia collaboration advances indigenous battery technology development, leveraging India's abundant zinc resources**

CHENNAI / UDAIPUR, 26th November 2026: Hindustan Zinc Limited, (BSE: 500188 and NSE: HINDZINC), a Vedanta Group company, is the world's largest integrated zinc producer, in collaboration with the Indian Institute of Technology Madras (IIT Madras), has unveiled an electric three-wheeler prototype integrated with an approximately 1 kWh zinc-air battery, developed as a range extender for electric mobility applications.

Unveiled during the recently held IIT Madras Energy Summit 2026, the development marks an important milestone in the ongoing research collaboration between the two institutions and advances the development of indigenous zinc-based energy storage solutions for emerging applications.

The electric three-wheeler prototype integrated with the 1 kWh zinc-air battery was unveiled in the presence of the Guest of Honor Shri Praveen Chakravarthy, Hon'ble Member of Parliament (Rajya Sabha), Mr. Amarendu Prakash, CEO & Whole-time Director, Hindustan Zinc Limited, Prof. Manu Santhanam, Dean (ICSR) Dr. Aravind Kumar Chandiran, Department of Chemical Engineering, IIT Madras, who led this project, along with other stakeholders.

With the accelerating global transition towards clean energy and electric mobility, the demand for diversified, affordable and sustainable energy storage solutions is growing.

The abundance, recyclability and potential cost and safety advantages of zinc make it a promising metal for next-generation battery technologies. India's abundant zinc resources present a significant opportunity to strengthen indigenous capabilities in energy storage and support the country's journey towards energy self-reliance.

The electric three-wheeler prototype features a dual-battery configuration, with the zinc-air battery contributing nearly 10% of the vehicle's total energy requirements. While the existing lithium-ion battery supports acceleration and peak power requirements, the zinc-air battery provides a steady supply of energy during operation.

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The development demonstrates the potential of zinc-based battery technologies to complement existing energy storage systems and opens up new possibilities for their application in electric mobility.

Speaking on the development, Mr. Amarendu Prakash, CEO & Whole-time Director, Hindustan Zinc Limited, said, *"At Hindustan Zinc, we are constantly exploring opportunities to expand the applications of zinc and unlock greater value from this versatile metal. With zinc being abundantly available in India, there is an opportunity to explore indigenous energy storage solutions that can contribute to the vision of Viksit Bharat. Our collaboration with IIT Madras reflects our commitment to translating scientific research into practical applications, creating new demand avenues for zinc and strengthening its role in the global clean energy transition."*

Zinc-air batteries generate electricity by utilising zinc and oxygen from the surrounding air. With the use of a non-flammable, water-based electrolyte and an abundantly available and recyclable metal, the technology offers potential advantages in safety, affordability and environmental sustainability. The collaboration, initiated in 2024, has now progressed from laboratory-scale research to vehicle-level demonstration, marking an important milestone in the development of indigenous zinc-air battery technology.

Congratulating the research team, Prof. V. Kamakoti, Director, IIT Madras, said, *"Energy is the major focus of discussion globally, be it artificial intelligence, agriculture all the way to advanced manufacturing. Ensuring generation, storage and distribution of energy from different sources, specifically the renewable ones is the most important topic for research, development and commercialization. Our collaboration with Hindustan Zinc is yet another important effort towards this goal."*

For Hindustan Zinc, the collaboration is part of a broader effort to explore emerging applications of zinc and expand its presence in value-added product segments.

From renewable energy storage to electric mobility, Hindustan Zinc is actively exploring new frontiers for zinc-based battery technologies. As part of its broader growth and diversification strategy under HZL 2.0, the company continues to drive application-led innovation, unlock new value-added opportunities and strengthen the role of zinc as a critical enabler of the global energy transition.

ABOUT HINDUSTAN ZINC

Hindustan Zinc Limited (BSE: 500188 and NSE: HINDZINC), a Vedanta Group company, is the world's largest integrated zinc producer and is amongst the top 10 silver producers globally. The company supplies to more than 30 countries and holds a market share of about 74% of the primary zinc market in India. Hindustan Zinc has been recognized as the world's most sustainable company in the metals and mining category for the third consecutive year by the S&P Global Corporate Sustainability Assessment 2025, reflecting its operational excellence, innovation, and leading ESG practices. The company also became the first Indian company to join the prestigious International Council on Mining & Metals (ICMM) in 2025. The company also launched EcoZen, Asia's first low carbon 'green' zinc brand, produced using renewable energy. Hindustan Zinc is also a certified 3.32 times Water-Positive company and is committed to achieving Net Zero emissions by 2050 or sooner. The company is also transforming the lives of 2.6 million people through its focused social welfare initiatives. As an energy transition metals

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company, Hindustan Zinc is pivotal in the journey of sourcing critical metals essential for a sustainable future.
For more information, please visit the Hindustan Zinc website and follow Hindustan Zinc on LinkedIn, X, Facebook and Instagram for more updates.

ABOUT IIT MADRAS

Indian Institute of Technology Madras (IITM) was established in 1959 by the Government of India as an 'Institute of National Importance.' The activities of the Institute in various fields of Science and Technology are carried out in 18 academic departments and several advanced interdisciplinary research academic centres. The Institute offers undergraduate and postgraduate programmes leading to B.Tech., M.Sc., M.B.A., M.Tech., M.S., and Ph.D., degrees in a variety of specialisations. IITM is a residential institute with more than 650 faculty and 10,000 students. Students from 18 countries are enrolled here. IITM fosters an active entrepreneurial culture with strong curricular support and through the IITM Incubation Cell.

Recognized as an Institution of Eminence (IoE) in 2019, IITM has been ranked No.1 in the 'Overall' Category for the Seven consecutive year in India Ranking 2025 released by National Institutional Ranking Framework, Ministry of Education, Govt. of India. The Institute has also been ranked No.1 in the 'Engineering Institutions' category in the same Rankings for 10 consecutive years – from 2016 to 2025.

In 2023, IIT Madras became the first IIT to establish an international Campus in Zanzibar, Tanzania called 'IIT Madras Zanzibar.'

Follow IIT Madras on X / FACEBOOK / LINKEDIN / INSTAGRAM / YOUTUBE

FOR MEDIA QUERIES ON HINDUSTAN ZINC, PLEASE CONTACT:

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