CONCORD
CONTROL SYSTEMS LIMITED
(formerly known as Concord Control Systems Private Limited)

CONCORD\BSE\38\2025-26 September 04, 2025

To,
The Secretary,
Listing Department,
BSE Limited,
1st Floor, Phiroze Jeejeebhoy Towers,
Dalal Street,
Mumbai-400001, Maharashtra

**Scrip Code:** 543619; **Symbol:** CNCRD; **ISIN:** INE0N0J01014

**Subject:** ***Concord Control Systems Limited Develops India's First 100% Indigenous Zero Emission Propulsion System for Diesel Locomotive Conversion.***

Dear Sir/Madam

Pursuant to Regulation 30 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, we submit herewith the Press Release stating that Concord Control Systems Limited has developed India's first 100% Indigenous Zero Emission Propulsion System for Diesel Locomotive Conversion.

The above information is also available on the Company's website: www.concordgroup.in.

You are requested to take the note of the same.

Thanking you,

Yours Sincerely,

**For Concord Control Systems Limited**

PUJA GUPTA Digitally signed by PUJA GUPTA Date: 2025.09.04 20:29:45 +05'30'

**Puja Gupta**
**Company Secretary and Compliance Officer**
**M. No.: A28664**

**Encl: As Above.**

# Concord Control Systems Limited Develops India's First 100% Indigenous Zero Emission Propulsion System for Diesel Locomotive Conversion

*The company showcasing its Engineering Prowess - advancing the Nation's Drive Towards Net-Zero Emissions and Complete Railway Electrification by 2030*

**Lucknow, September 4, 2025** – Concord Control Systems Limited (CCSL), India's leading manufacturer of embedded electronics systems and critical electronic solutions through its Advanced Rail Division, today announced India's first fully indigenous zero-emission propulsion system. Designed and built entirely in India, this breakthrough highlights India's engineering capabilities towards the nation's ambition of achieving net-zero emissions and complete railway electrification by 2030.

The propulsion system is powered by Lithium Iron Phosphate (LFP) batteries and features a DC chopper-based drive. Unlike conventional diesel engines that idle continuously and consume fuel, Concord's system operates only when required, delivering significant fuel savings, higher efficiency, and zero emissions.

What makes this development exceptional is its complete indigenous design. Except for a few semiconductor devices, every critical component—including the chopper, Vehicle Control Unit (VCU), driver display, sensors, and controllers—has been designed and manufactured by Concord Control Systems. The system also introduces several technological firsts, such as high-voltage battery integration with choppers, CAN-based Vehicle Control Units, and fibre-optic EMI-immune signal transmission. This makes it a pioneering achievement not just in India but globally.

Speaking on this milestone, **Mr. Sadasivan V., Principal Executive Director, at Advanced Rail— said,** *"This propulsion system is proof that India can lead in next-generation rail technology. With this achievement, we have set a reference point that will guide the industry towards sustainable, cost-efficient, and self-reliant solutions."*

Commenting on the milestone, **Mr. Nitin Jain, Joint Managing Director – Concord Control Systems Limited, said,** *"This development is a proud moment not only for Concord but for India's innovation ecosystem as a whole. By delivering the country's first 100% indigenous Zero Emission Propulsion System, we are advancing the twin goals of sustainable mobility and self-reliance, while supporting Indian Railways' target of achieving 100% electrification by 2030."*

The propulsion, retrofitted on a 700 HP diesel-electric platform, delivers 800A peak current to traction motors while integrating modern safety and efficiency features. These include driver-friendly digital displays, CCTV/DVR monitoring, and a Remote Monitoring System (RMS) for predictive maintenance and real-time diagnostics. Together, these advancements

reflect India's capability to deliver safe, reliable, and next-generation rail technology without reliance on imported designs.

Beyond its environmental benefits, the innovation also sets a cost and operational benchmark for the industry. By reducing idle losses, improving efficiency, and enhancing safety, the propulsion provides a scalable solution for converting existing diesel-powered locomotives into sustainable, zero-emission platforms.

With this landmark achievement, Concord Control Systems has reaffirmed its position as a pioneer in Indian railway technology, driving the nation closer to its goals of sustainability, self-reliance, and world-class rail infrastructure.

**About Concord Control Systems Limited:**

Concord Control Systems Limited (CCSL) is India's leading manufacturer of embedded electronics systems and critical electronic solutions supporting India's next-generation rail infrastructure. CCSL is an RDSO-approved OEM and technology leader delivering advanced electrical and electronic systems for Indian Railways. Aligned with the government's Gati Shakti initiative, Concord leverages state-of-the-art R&D, testing, and manufacturing facilities to deliver products that meet global quality and safety benchmarks, while ensuring zero-defect production and environmentally responsible practices.

CCSL is a trusted partner in India's railway modernization and digital transformation journey aspires to step in railway technology on a global scale, expanding its footprint and tapping international markets. Its portfolio of robust, durable and high-performance systems is tailored-made for the extreme conditions of railway environments. CCSL is shaping the future of mobility by anticipating emerging railway challenges and transforming them into opportunities through tech-enabled, innovative solutions.

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