



Press Release

BEML Unveils India's First Indigenous 35-Ton Electric Dump Truck, Advancing Green Mining Solutions

April 10, 2026 | Mysuru : BEML Limited, a Ministry of Defence PSU company, has achieved a significant milestone with the unveiling of India's first indigenous 35-ton Electric Dump Truck at its Mysuru Complex. The equipment was flagged off by Shri Shantanu Roy, Chairman and Managing Director (CMD), BEML Limited, in the presence of Shri Sanjay Som, Director (Mining & Construction), SBU Heads, and officials from Medha and BEML.

This development marks a major step towards sustainable mining and infrastructure solutions. The indigenously designed electric dump truck is engineered to deliver high productivity with zero tailpipe emissions. Built to global standards, the platform aligns with India's ESG commitments and carbon reduction goals, while reinforcing BEML's focus on clean and future-ready technologies.

The 35-ton Electric Dump Truck is powered by a high-efficiency Permanent Magnet Synchronous Motor (PMSM) and is designed for operation in demanding mining environments. With a payload capacity of 35 tons and a gross vehicle weight of approximately 60 tons, the truck is optimised for heavy-duty, stop-start duty cycles typical of mining applications.

The electric drivetrain delivers an energy efficiency of 85–90%, significantly higher than conventional diesel-powered equipment. The vehicle is equipped with a Regenerative Braking System (RBS), enabling energy recovery during operations, particularly in downhill conditions. A state-of-the-art Battery Thermal Management System (BTMS), featuring liquid cooling, ensures optimal temperature regulation, enhancing safety and extending the life of the 300 kWh lithium-ion battery.

In addition to its environmental advantages, the platform offers substantial economic benefits, including up to 60–70% savings in energy costs and a 40–60% reduction in overall operating costs. Lower maintenance requirements, owing to fewer mechanical components, further enhance its value proposition. Depending on operational intensity, the system offers a payback period of approximately one to two years.

Designed for reliability and safety in harsh operating conditions, the vehicle features IP67/IP68-rated electrical systems along with integrated fire protection mechanisms. BEML also provides scalable charging infrastructure solutions, enabling 0–80% charging in approximately 60 to 90 minutes to support continuous operations.

Speaking on the occasion, Shri Shantanu Roy, CMD, BEML Limited, said:

“The launch of India's first indigenous 35-ton Electric Dump Truck marks a defining moment in BEML's journey towards sustainable and advanced engineering solutions. This development

reflects our commitment to innovation, indigenisation, and environmental stewardship. As the industry transitions towards cleaner technologies, BEML is well-positioned to lead this shift by delivering high-performance, zero-emission solutions aligned with global standards.”

With this launch, BEML further strengthens its position as a leader in mining and construction equipment, while contributing to India’s vision of sustainable industrial growth and self-reliance.

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About BEML Limited:

BEML Limited, a leading multi-technology ‘Schedule A’ company under the Ministry of Defence, plays a pivotal role in serving India’s core sectors, including Defence, Rail, Mining, and Construction, by offering world-class products. BEML operates in three verticals: Defence & Aerospace, Mining & Construction, and Rail & Metro. It has state-of-the-art manufacturing facilities located in Bengaluru, Kolar Gold Fields (KGF), Mysore, and Palakkad, with a strong R&D infrastructure and a nationwide sales and service network. With a legacy spanning six decades, BEML is a committed player in manufacturing earthmoving, transportation, and construction equipment, driving excellence and innovation.



Defence & Aerospace | Rail & Metro | Mining & Construction

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(Event pics below)



REAR DUMP TRUCK

BH35-2 EV

The BEML logo consists of a stylized red and black arrow pointing to the right, followed by the letters "BEML" in a bold, black, sans-serif font.

BH35-2 EV



