



Press Release

BEML Unveils India's First Indigenous 60-Ton Electric Dump Truck, Advancing Sustainable Mining

BH60-EV advances BEML's electric mobility portfolio with zero tailpipe emissions and high-capacity performance for demanding mining and infrastructure applications

September 30, 2026 | Mysuru : BEML Limited has unveiled India's first indigenously designed and developed 60-Ton Electric Dump Truck, the BH60-EV, at its Mysuru Complex, marking a significant milestone in the development of high-capacity electric mobility solutions for the mining and infrastructure sectors.

The next-generation electric dump truck was virtually launched by Shri Shantanu Roy, CMD, BEML Limited, in the presence of Functional Directors, senior officers and employees. The launch marks another significant step in BEML's journey towards developing advanced, sustainable and technology-driven solutions for heavy industry.

The BH60-EV, designed and developed at BEML's Mysuru Complex, combines high payload capability with advanced electric powertrain technology and operator-focused engineering, while delivering zero tailpipe emissions during operation. The vehicle is built to meet the demanding requirements of mining and infrastructure operations while supporting the shift towards cleaner, more efficient and sustainable mobility.

Shri Shantanu Roy, said: *"The BH60-EV marks a significant milestone in BEML's journey towards next-generation electric mobility for heavy industry. It demonstrates our capability to develop high-capacity electric equipment tailored to the demanding requirements of mining and infrastructure. With indigenous engineering, advanced battery technology and a strong focus on performance, safety and sustainability, we are creating solutions that can support both industrial productivity and the transition towards a cleaner future."*

BEML also offers a complete charging station solution designed to be compatible with site electrical infrastructure and scalable for fleet operations. This integrated approach enables customers to adopt electric heavy-duty equipment with a charging ecosystem tailored to their operational requirements. The BH60-EV is designed to deliver 40–60% lower operating costs compared with conventional diesel-powered equipment, while enabling an estimated annual reduction of around 130 tonnes of CO₂ emissions per vehicle, subject to operating conditions.

Key Highlights of the BH60-EV

Advanced Electric Powertrain:

The BH60-EV is powered by a high-performance Permanent Magnet Synchronous Motor

(PMSM) integrated with a rugged gearbox and a 1,000 kWh high-voltage lithium-ion battery pack, delivering the power and torque required for demanding heavy-duty applications.

High Payload & Gradeability:

The vehicle delivers high tractive effort and instant torque, enabling efficient operation on gradients. It offers a payload capacity of 54,500 kg with a rock body and a volumetric body capacity of 36.4 cubic metres.

Efficiency & Productivity:

Engineered to reduce dependence on conventional fuel, the electric platform is designed to deliver improved energy efficiency, a high power-to-weight ratio, strong acceleration and gradeability, while supporting lower operating costs.

Safety & Operator Comfort:

The spacious, ergonomically designed cabin incorporates a Roll-Over Protective Structure (ROPS), emergency steering and sealed oil-cooled disc brakes, supporting enhanced safety, reliability and operator comfort in demanding operating conditions.

The BH60-EV builds on BEML's growing electric vehicle portfolio and follows the launch of its 35-ton Electric Dump Truck on 10 April 2026. With the BH60-EV, BEML continues to expand its portfolio of advanced electric and sustainable equipment, strengthening its capabilities in the design and manufacture of next-generation heavy-duty machinery for India and global markets.

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.



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