

Construction Week

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GMMCO POWER & ENERGY

POWERING PROGRESS

INTEGRATED POWER SOLUTIONS DRIVING INDIA'S CONSTRUCTION GROWTH

India's construction industry continues to be a major driver of generator demand, particularly where uninterrupted power is critical and grid reliability remains inconsistent. This is especially evident across remote mining and quarrying locations, where sites far from urban centres depend on gensets to ensure operational continuity. While ongoing grid upgrades may gradually reduce reliance, dependable backup power remains essential for mission-critical applications.

Tunnel-boring operations are a prime example, where continuous power is vital for boring processes and slurry pumping systems. Beyond heavy infrastructure, backup power requirements extend across residential, commercial and industrial establishments.

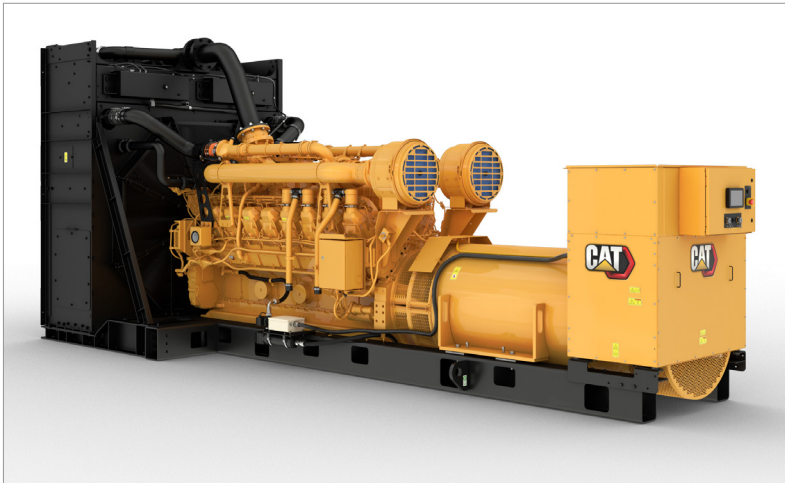
Expansion in Tier I and Tier II cities - including office spaces and residential developments -has further strengthened demand. Industries such as automobiles, food and beverage, hospitality and pharmaceuticals continue to grow steadily, sustaining generator requirements.

A major growth driver in recent years has been the rapid expansion of data centres. With increasing AI-driven computing loads, demand for high-capacity backup power systems has risen sharply, particularly in the 1.8 MW and above range. Earlier, co-location data centres typically required gensets in the 1.8–2 MW range per unit. Today, with higher computing loads and premium real-estate considerations, requirements have shifted toward 2.5 MW and above. The data-centre sector is witnessing over 20% year-on-year growth and is expected to remain a key driver for large gensets. In this segment, timely delivery, execution excellence and localised supply chains will be critical. The emergence of Edge Data Centres in Tier II and Tier III cities - serving sectors such as banking and financial services - is further expanding demand.



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DELIVERING VALUE THROUGH INTEGRATED ENGINEERING AND EXECUTION



At the core of Gmmco's offering is deep project-execution expertise developed through marine, oil and gas and mining assignments. With over four decades of domain experience, the organisation brings a strong understanding of complex power requirements across industries. Its capabilities extend to integrated power solutions combining gensets, solar and Battery Energy Storage Systems (BESS), positioning the company as an integrated power solutions provider across industries where uninterrupted power is mission-critical.

As an EPC partner, value delivery stems from strong mechanical and electrical engineering capabilities, optimal system design within spatial constraints and reliable project timelines. Close collaboration with customers and consultants ensures each solution balances performance, cost efficiency and long-term reliability. Multiple infrastructure and data-centre projects executed in recent years stand as successful case studies of this integrated approach.

EVOLVING EXPECTATIONS: HYBRID SYSTEMS AND OPTIMISED ENERGY MODELS

Customer expectations are shifting from standalone equipment supply to holistic energy solutions. Clients increasingly seek optimisation of both capital and operating expenditure while ensuring dependable uptime. Power requirements are often influenced by transient loading, reverse power conditions, duty cycles and fluctuating loads - all of which define system architecture.

Hybrid configurations combining gensets, BESS and solar technologies offer an effective solution. While such systems are still at an early adoption stage in India, interest is growing as customers recognise their potential to eliminate redundancies, improve efficiency and optimise lifecycle costs. As awareness increases and savings become evident, enquiries for hybrid solutions continue to rise, signalling a transition toward more intelligent and flexible power ecosystems.

EXECUTION STRENGTH AND LIFECYCLE ASSURANCE

Execution capability remains a defining factor in large-scale power solutions. Gmmco's delivery approach is supported by a strong execution backbone, with nearly 60% of its workforce dedicated to after-sales support and approximately 25% focused on project execution. This enables seamless delivery across the lifecycle - from design, engineering, and supply to installation, testing, commissioning and long-term support.

The process begins with a specialised design and pre-engineering team working closely with clients and consultants to define optimal solutions within site constraints. This is reinforced by advanced infrastructure, including ISO-certified workshops with state-of-the-art testing capabilities, remote monitoring systems and a robust storage and distribution network. Strong inventory capabilities enable parts supply within 24-48 hours, supported by round-the-clock technical assistance to ensure uninterrupted operations.

Every project undergoes stringent quality validation prior to commissioning to secure long-term reliability and uptime. Flexible service models, including long-term service agreements and customer value agreements, provide customers with continued assurance. Skilled personnel maintain installations according to manufacturer guidelines, reinforcing performance longevity in demanding environments.

ALWAYS ON YOUR SIDE FOR MANUFACTURING EXCELLENCE



Customer expectations are shifting from standalone equipment supply to holistic energy solutions.



THE ROAD AHEAD FOR CLEANER AND FLEXIBLE POWER

Adoption of cleaner and flexible power systems is evolving in line with market conditions, technological advances and improving cost efficiencies in batteries and solar modules. The Indian market has already deployed many of these solutions; the next phase lies in scaling them effectively. As economic benefits become clearer and environmental priorities gain prominence - supported by policy frameworks and rising end-user awareness - the transition toward cleaner, more intelligent power systems is expected to accelerate. Integrated power solutions are set to play a central role across critical industries where power cannot pause or fail, while supporting India's infrastructure ambitions and global sustainability expectations.