

GREAVES

STAMFORD® PRIME POWER



Case history

Power backup system to support critical infrastructure

Where:
Pune, India

Specified:
STAMFORD HC5

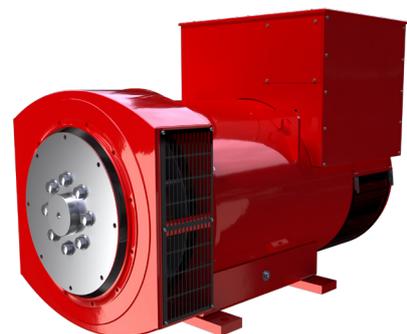
Prime Mover:
Greaves

Purpose:
Power backup system to support critical Indian infrastructure during grid outages

Greaves DG (Diesel Generator) sets, manufactured by Greaves Cotton Limited, are known for their efficiency, reliability, and durability. Internationally, they serve industries including construction, manufacturing, and oil & gas. In India, they are widely used in residential, commercial, and government sectors, with capacities ranging from 10 kVA to 2500 kVA.

Pure Landmarks LLP, operating under the brand name Solitaire, required a robust and efficient power backup system to support its critical infrastructure in Pune, India. Due to the area's frequent grid outages, a reliable genset was essential to ensure uninterrupted power supply to vital operations and services.

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STAMFORD HC5

“By combining Greaves’ genset technology with the global standard of STAMFORD alternators, the project delivered a future-ready solution tailored for infrastructure reliability and efficiency.”

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Genset Specification and Technical Details

At the heart of this power solution is the 500 kVA STAMFORD HC5 alternator, integrated into a CPCB IV+ diesel generator set supplied by Greaves Cotton Limited. Selected for its performance and environmental compliance, the HC5 alternator features an AS440 automatic voltage regulator and delivers a nominal output of 415V at 50Hz. Supporting continuous power output up to 500 kVA and a voltage range of 380–690V, the STAMFORD alternator ensures stable, robust power generation.

Compliance, Manufacturing, and Noise Control

The generator set, built by Greaves, complies with CPCB (Central Pollution Control Board) and CAQM (Commission for Air Quality Management) emission standards. Designed for reliability, durability, and environmental responsibility, each unit undergoes rigorous testing to ensure consistent low-emission performance. Its acoustic canopy—treated through a fourteen-tank process—enhances corrosion resistance, structural integrity, and noise reduction, ideal for urban and sensitive sites.

CAQM applies to ratings above 1010 kVA. A 500 kVA falls under CPCB IV+ compliance.

Alternator Performance and Reliability

Engineered for demanding power conditions, the STAMFORD HC5 alternator offers high temperature class capability, self-excitation, and rugged construction. These features ensure stable voltage regulation and continuous power—critical for infrastructure that must remain operational during grid outages. Its proven reliability makes it a trusted component in power-critical installations.

Outcome and Conclusion

This installation delivered a high-efficiency, environmentally compliant backup power solution by combining Greaves’ CPCB IV+ genset with the global reliability of STAMFORD alternators. The enduring, long-standing partnership between STAMFORD I AvK and Greaves continues to support scalable, future-ready power infrastructure across India.



We are here to support your future decarbonisation goals, through our end-to-end expertise in versatile solutions. Backed by the reassurance of our world-renowned brands recognised for reliability and complete peace of mind, we are with you on your journey towards sustainability.

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