

Diesel generators are becoming more popular with technological improvements

THE DEMAND FOR MEDIUM AND HIGH HORSE POWER SEGMENT IS INCREASING WHICH IS LEADING THE MARKET TOWARDS GROWTH.



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COO – Distributed Energy,
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By EPR Magazine Editorial

Gagan Chanana, COO – Distributed Energy, Jakson Group. In an Interview with EPR Magazine.

Even before we adopted noise pollution standards for environmentally friendly gensets, Jakson was the first company in India to produce acoustic enclosures, Gagan Chanana, COO – Distributed Energy, Jakson Group, tells EPR Magazine.

Market and demand trends for Generator Equipment in India

The Indian diesel genset market has estimated a revenue generation of \$816.0 million in 2021, and is expected grow at a CAGR of 9.4 percent by 2030. However, the pandemic had a negative impact on the market for Diesel Gensets in India, owing to the shutting down of manufacturing plants in order to curtail the spread of the disease.

The Overall volume of requirement for diesel generators is decreasing though the industry is growing in terms of value. However, the demand for medium and high horse power segment is increasing which is leading the market towards growth. Nevertheless, diesel generators are still the most popular and occupy the highest share among other fuel-based generators due to the continuous technological innovations and long hours of power back up.

Generator Equipment's demand in thermal power plants

Demand from thermal power plants is stagnant as the government is focusing more on renewable now. Moreover, most of the thermal plants planned, are up and commissioned now.

Common application areas and its principal users

Critical applications need uninterrupted power, and gensets are the preferred partners. Generators are mostly used as standby power mode and the principal users are manufacturing industry, infrastructure developers, construction industry, data centres, real estate, and pharmaceutical industry.

A few of the applications in gensets used by various industries are Prime, standby power, and continuous power. Prime Power solution gensets provides specialised solutions for challenging environments with prime mover technology in diesel or natural gas, reciprocating engines with remote monitoring operations for immediate power needs. Standby power is mandatory for any application where mission-critical operations require an uninterrupted power supply. Data centres, Healthcare, and banking sectors primarily use these applications to provide continuous power solutions.

Energy-efficient and eco-friendly features in new-generation gensets

Jakson was the first company in India to produce acoustic enclosures even before the noise pollution norms we introduced for environment friendly gensets. An acoustic enclosure is designed to protect the surrounding from noise and vibration during the functioning of the genset. We have electronic engines from which high power can be extracted from small engines and lower footprints (canopy- length and width). Gensets in India comply with CPCB II emission norms (Central Pollution Control Board) which are environment friendly.

All diesel generators being manufactured and supplied in India mandatorily meet exhaust emission standards issued by government. Most of the engines thus have latest fuel injection systems thus bringing in efficient combustion and controlled emissions.