

# Industry Outlook

POWER GENERATORS MANUFACTURERS & SUPPLIERS

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## THE PANORAMA

WHY INSULATORS HAVE  
BECOME INTEGRAL  
TO TRANSMISSION &  
DISTRIBUTION

SAMEER GUPTA,  
CHAIRMAN & MANAGING DIRECTOR

# JAKSON GROUP

## REDEFINING ENERGY GENERATION & STORAGE

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COVER  
STORY

**SAMEER GUPTA,**  
CHAIRMAN & MANAGING DIRECTOR

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**AS A TREND SETTER, JAKSON GROUP HAS ALSO BEEN LEADING THE BANDWAGON IN THE DEVELOPMENT OF BATTERY ENERGY STORAGE SYSTEM (BESS), WHICH PROVIDES CARBON-FREE CLEAN POWER, CONTEMPORARILY DESIGNED TO SUIT ALL SEGMENTS AND ENABLES UNINTERRUPTED POWER SUPPLY AND COST-EFFECTIVENESS**



# JAKSON GROUP

## REDEFINING ENERGY GENERATION & STORAGE

BY SAMRAT PRADHAN

**W**ith the rapid urbanization and infrastructure development in India, the demand for power generation has grown significantly. Today, electricity is an essential commodity of modern economies and moreover renewable energy plays an important role in meeting the power demand across the world. Distributed energy solutions, solar products and EPC systems are the way forward towards a sustainable future.

However, one of the key aspects to take into account is the diverse geographical features of India, wherein, power generation can always be erratic. This means that gensets will continue to have predominant role in generating energy. A combination of various energy generation sources and storage capabilities working synergistically will be the future of power generation going forward.

Making that future plausible is Jakson Group - a diversified energy and Infrastructure company having expertise in Distributed Energy, Solar Solutions and Electrical EPC Solutions. The company has always been in the forefront of bringing innovation in the Indian power generation industry. This is backed up by over 75 years of experience in power generation since its inception back in 1947. Jakson Group with its unparalleled experience in the various fields of energy generation has been offering Hybrid Energy Solutions (HES) which combines multiple types of energy generation and storage solutions to offer one of the most reliable and energy efficient approaches towards generating power. It is a smart combination of grid power, diesel generating sets, solar power and battery storage solutions.

## A GAME CHANGER

Hybrid Energy Solution's concept was initially designed as a combination of non-renewable generation such as diesel generators with UPS systems. Gradually, it has expanded to include systems that are based on renewable energy as well as fossil fuel so as to bring the best out of the both. This is backed by Jakson's technically-adept team of professionals who are prompt at offering after sales services, irrespective of space and time constraints. The company has been focusing on bringing a long-term power solution for Microgrids and a sustainable solution when it comes to power generation in standalone applications. Small, agile Hybrid Energy Solutions allow energy production from intermittent renewable sources into the grid more reliably. To respond accordingly to peaks and dips in renewable energy production, HES can also be interconnected into the central grid system and function as small power plants when required. The company's competency in the Energy domain gives them an edge in developing optimum solutions for customers based on the availability of renewable and non-renewable resources, on site-specific energy infrastructure, production costs and incentive policies.

## PIONEERS IN DIESEL GENERATOR MANUFACTURING

While understanding the lack of proper energy infrastructure and the geographical limitations in the country, Jakson Group has been bringing the widest range of Cummins engine powered generators ranging from 7.5 kVA to 3750 kVA in a single node so as to meet the diverse energy needs of across industries.



**GAGAN CHANANA, COO**

They are the pioneers of the diesel generator manufacturing industry in India. Jakson Group is built upon 75 years of engineering excellence and the partnership it has had with Cummins; a world leader in Diesel Engines and been serving a niche clientele that includes Agrochemical, Automobile, Infrastructure & Realty, IT & ITES, Healthcare & Hospitality, Manufacturing and Agro & Aqua among others. Jakson was the first company to bring in acoustic enclosures and the range of silent gensets in the year 1998, which was even before any regulations or norms

were enacted. In order to keep up with the growing demand for its silent gensets, the company consolidated its DG Sets manufacturing facilities and today has state-of-the-art manufacturing plants located in Kathua, Jammu and Kalsar, Gujarat.

"Today, clients are not only looking for Gensets which can be reliable in times of power outage, but are also looking at the cost of ownership that comes with it and the space it may require. Taking this into consideration, we have always come up with the product that meets the objectives. We have arguably



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**JAKSON WAS THE FIRST COMPANY TO BRING IN ACOUSTIC ENCLOSURES AND THE RANGE OF SILENT GENSETS IN THE YEAR 1998**

created a benchmark when it comes to quality, cost-effectiveness, and lower emissions for the Gensets in the industry today,” says Gagan Chanana, COO at Jakson Group.

#### **OFFERING UNINTERRUPTED POWER SUPPLY**

As a trend setter, Jakson Group has also been leading the bandwagon in the development of Battery Energy Storage System (BESS), which provides carbon-free clean power, contemporarily designed to suit all segments and enables uninterrupted power supply and cost-effectiveness. It is not only a renewable source of energy, but also doesn't create noise or cause air pollution. Equipped with a hybrid inverter, lithium-ion batteries, and smart energy systems, it combines grid power, solar energy,

and DG (Optional) which ensures operations and processes continue without any disruption through uninterrupted power supply. BESS offers a very practical solution as its compact and modular design makes it easy to transport and install.

#### **SETTING THE STANDARD IN SOLAR ENERGY GENERATION**

Jakson currently has a solar IPP portfolio of 200MW with 60MW of land based operational plants in Bap (Rajasthan), Lalitpur & Mahoba (Uttar Pradesh) and is setting-up another 70 MW of land based solar power plant in Amguri Solar Park, Assam. Lately, it has also commissioned a 50MW Solar Plant in Agra, Uttar Pradesh.

Additionally, Jakson has 20 MW of operational solar rooftop installations

in the country. Furthermore, Jakson also provides turnkey Engineering, Procurement and Construction (EPC) services for land based solar power plants, rural and urban electrification, electrical substations and transmission.

“With faster adoption of renewables, distributed energy is the sustainable solution which will redefine the future of energy. India is committed to energy security, self reliance and being net zero by 2070. This leaves us with no choice but to minimise use of fossil fuel and at Jakson we are committed to this mission of our Country. We continue to innovate products and services which will help us meet this objective” concludes Sameer Gupta, Chairman & MD, Jakson Group. [li](#)

# Industry Outlook **TOP 10**

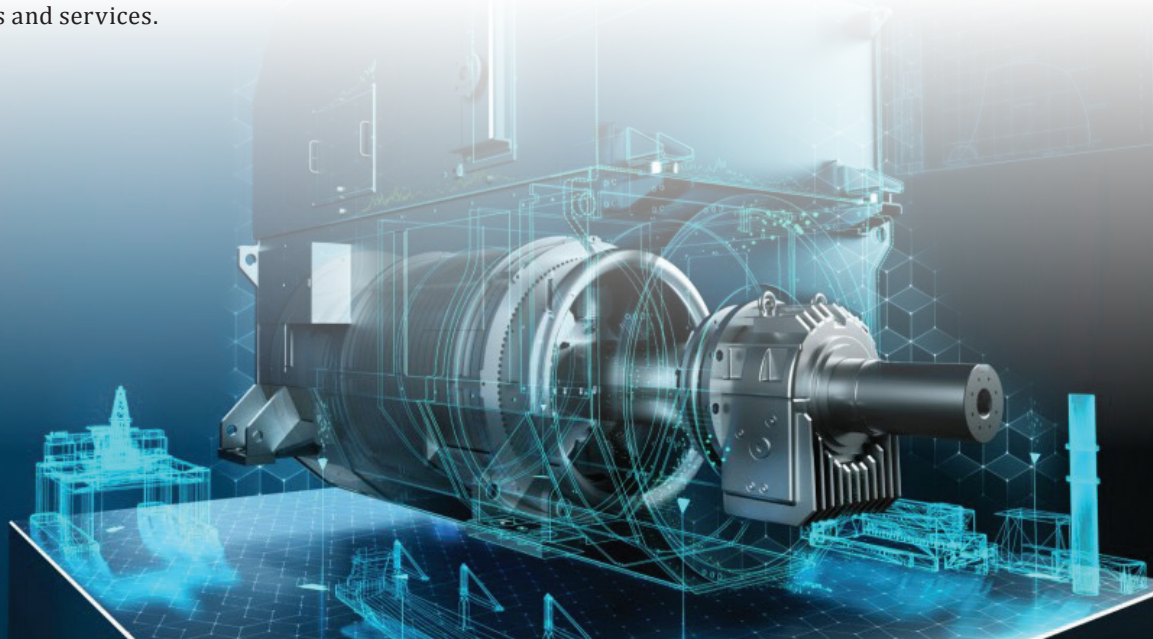
## **POWER GENERATORS**

### **MANUFACTURERS & SUPPLIERS - 2021**

India's diesel genset market size stood at \$1,105.7 million in 2019, and it is projected to demonstrate a compounds annual growth rate (CAGR) of 12.5 percent during the forecast period 2020-2030. Growth in industrial and manufacturing sectors of India is the major factor driving the market growth. The commercial category is expected to hold the largest market share in the Indian diesel genset market during the forecast period. High adoption of genset for power supply in telecom towers, restaurants, malls, hotels, and other retail establishments is driving the market growth in the commercial sector. Among these, telecom towers are likely to witness the highest demand for generators, as they constantly require prime power and backup power. There are initiatives from the side of government to invest \$100 billion in the telecom sector by 2022 and facilitate the installation of an additional 100,000 mobile towers. This will in-turn enhance the genset market. The mushrooming startups, business, institutions and manufacturing industries are all contributing to the sector, and the future expected statistics show a probability of huge increase in these numbers. Rapid urbanization and growing residential areas will further contribute to the sector.

Diesel generators which are used for a wide range of residential, commercial, and industrial applications which emit oxides of nitrogen, carbon monoxide, and particulate matter that are harmful for both environment and inhabitants. An inverter generator is a recent technology that utilizes advanced electronic circuits and are able to address the diesel engine emission standards and high operational costs.

Industry Outlook in this issue presents a list of 'Top 10 Power Generators Manufacturers & Suppliers - 2021' who have leveraged their extensive industry expertise and experience in bringing innovative solutions to the market. The following list has been prepared after being closely scrutinized by a distinguished panel of judges including CXOs, analysts and Industry Outlook editorial board. We recognize their valuable contribution to the ever expanding and competitive market and their ability to sustain themselves and emerge as top contestants through their reliable products and services.



# TOP 10 POWER GENERATORS MANUFACTURERS AND SUPPLIERS 2021

COMPANY	MANAGEMENT	DESCRIPTION
<p><b>Aggreko</b> Chennai aggreko.com</p>	<p>Kweku Frempong, Founder</p>	<p>Providing topnotch Power Generation Rentals, Cooling Rentals, Load Bank Rental and Energy Storage solutions</p>
<p><b>Cooper Corp</b> Pune coopercorp.in</p>	<p>Farrokh Nariman Cooper, Founder</p>	<p>Offers excellent quality Engine Components, Engines and Generators</p>
<p><b>CSH Power Himoinsa</b> New Delhi cshpower.co.in</p>	<p>Kumar Amresh, AVP Sales &amp; Marketing</p>	<p>Manufactures Silent DG Sets for power generator industry</p>
<p><b>Jakson Group</b> Noida jakson.com</p>	<p>Sameer Gupta, Chairman &amp; MD</p>	<p>Renowned for Diesel Generator Manufacturing with energy solutions for Solar, Electrical &amp; Civil EPC, Hospitality, Education, Solar EPC, Solar Modules, and Diesel Gensets</p>
<p><b>Kirloskar Electric Company</b> Bengaluru kirloskar-electric.com</p>	<p>Sanjeev Kumar Shivappa, Director - Finance &amp; CFO</p>	<p>Providing products such as AC Motors, AC Generators, DC Motors, DG Sets, Electronics Switchgear, Traction, Transformers and more</p>
<p><b>Mahindra Powerol</b> Mumbai mahindrapowerol.com</p>	<p>Azhar A, CEO</p>	<p>Facilitating Diesel Generators, Industrial Engines and Higher kVA Diesel Generators</p>
<p><b>OJUS Power and Technologies</b> Bengaluru ojuspowers.com</p>	<p>Sampath Kumar, Founder &amp; Chairman</p>	<p>Offering world-class products for of Diesel Generating sets ranging from 5-2250 kVA</p>
<p><b>Perfect &amp; Baudouin</b> Mumbai perfecthouseltd.com</p>	<p>Vipul Ghelani, MD</p>	<p>Provider of residential &amp; portable generators, diesel generators, suzuki outboard motors, mobile lighting tower and more</p>
<p><b>Sterling and Wilson</b> Mumbai sterlingandwilson.com</p>	<p>Amit Jain, Global CEO</p>	<p>Recognized for topnotch products such as MEP-IEPC, Solar, Power Solutions, Transmission &amp; Distribution, Data Centers and DG Sets</p>
<p><b>Sudhir Power</b> Gurugram sudhirpower.com</p>	<p>Rahul Seth, MD</p>	<p>Specialized in manufacturing and supplying Power Generator, Aerial Lift, Power Transformers, and Solar products</p>