



(UHV) HVDC transformer approval from PGCIL in 2017. Hence KSH has worked hard for the last forty-three years in order to achieve the unique status of specialists for HVDC and extra high voltage (EHV) power transformers and reactors with 765kV voltage rating.

NOTABLE BUSINESS ACHIEVEMENTS

KSH has successfully supplied more than 500 jobs of 765kV transformers and more than 40 jobs of HVDC transformers. KSH has played a pivotal role in India's power sector with its make in India and Atmanirbhar Bharat initiatives all along its forty-three-year journey. The company caters its winding wires to special applications like Furnace transformers and Rectifiers. KSH is also an RDSO approved supplier for electric loco and trackside transformers to the Indian Railways. With the commissioning of the enamelled round wire facility in 2019, KSH is now catering to a wider set of industries including auto electricals, compressors used in refrigeration industry, motors, alternators, consumer appliances, switchgears and electric vehicle (traction motors) to name a few. Being an RDSO approved vendor, KSH is catering to railway electrifi-

address this emerging e-mobility market. The company has obtained IATF 16949 certification for both enamelled round as well as rectangular winding wires. With its strong technical background, expertise, and experience in enamelled winding wires, KSH is well poised to cater to electric vehicle (EV) sector. Also, KSH has state-of-the-art manufacturing facilities which include technologically advanced equipment. Considering technological advancements happening in the manufacturing industry, there are both process as well as factory automation upgrades that KSH is currently pursuing. The company is making these changes to stay relevant as well as competitive in their existing plants as well as upcoming set-ups.

ENERGISING INDIA'S GROWTH

According to the data, India's installed renewable energy capacity is 143.64 GW as of 31st March 2024 and is one of the fastest-growing markets among major economies. India also has a vision of reaching 500 GW by 2030. There is clearly an increased demand in USA, Europe, Middle East and Southeast Asian markets for the company's products. KSH is well positioned to take advantage of the emerging demand. The company is already exporting more than 35 per cent of its annual volume to these renewable energy markets.

SUSTAINABILITY IN ACTION

At KSH, the aim is to make a positive impact on the three Ps - people, planet and profits, thereby ensuring a sustainable growth for all its stakeholders. KSH has been taking consistent steps to include sustainable practices in its operations. With sustainability at its core, KSH has always strived to adopt the principle of reduce, recycle and re-use in plant operations and maintenance. One of the recent initiatives was the installation of rooftop solar of 1 MW power generating

PRODUCT OFFERINGS

KSH has the complete offering for a wide range of applications. The product basket broadly includes:

- Continuously Transposed Conductors
- Paper / Nomex® / Polymica covered copper rectangular Conductors
- Enamelled copper rectangular Conductors
- Insulated copper multiple bunch rectangular Conductors
- Enamelled round copper wires
- Enamelled round aluminium wire

The products find applications in numerous sectors in the fast-growing electrical industry which include:

- Power Transformers
- Windmill Generators
- Turbo & Hydro Generators
- Traction Transformers
- Cast Resin Transformers
- Motors & Pumps
- HVDC Transformers
- Home Appliances
- Electric Vehicles (Traction Motors)
- Compressors & Refrigeration
- Auto Electrical Components
- Alternators for AC Gensets

capacity. The company also has a 12,000 sq. mtrs rain-water harvesting system in its facility to help recharge the groundwater.

AN AMBITIOUS ROADMAP

KSH has a robust manufacturing set up with most of its machinery from reputed and well-known European, US, Chinese and Indian manufacturers. KSH also has a very well-equipped laboratory for validating the quality of the wires both online as well as off-line. KSH has invested in advanced equipment like analysers, high-resolution microscopes, rapid profile projectors, et al. to ensure trouble-free products are supplied to all its customers. All the facilities of KSH are certified for ISO 9001, ISO 14001 & ISO 45001.

A legacy of innovation

KSH International has moved from strength to strength to keep pace with the country's growing power demand and resultant requirement of copper conductors. The company is well recognized for its copper conductors across the world and as a manufacturer of quality rectangular & Round magnet winding wires



Rajesh Hegde
Managing Director

KSH Group is promoted by the Hegde family and is a Pune-based group. Kushal Subbaya Hegde is the founding chairman of the group. Rajesh Hegde is the managing director of KSH International. KSH Group is a well-diversified group with interests in manufacturing, logistics, infrastructure, distri-

manufacturing Paper Insulated Copper Conductors (PICC). The capacity was slowly but steadily increased till the mid-90s. However, a quantum jump in manufacturing capacity happened in 1998 when the capacity spurred past 3600 MT per annum.

In the year 2002, a new greenfield project was set up near Pune for manufacturing of enamelled copper conductors. In 2006, KSH achieved the distinction of indigenous manufacturing of Continuously Transposed Conductors (CTC) for the first time in India. Ever since there has been no looking back. Today KSH holds India's largest capacity for CTC manufacturing and is also the largest Indian exporter of rectangular magnet winding wires. KSH has three manufacturing plants: one near Mumbai and two at Chakan, Pune.

AIMING FOR GLOBAL EXCELLENCE

KSH aims to be a global leader and preferred part-

ner, providing customised solutions across industry segments. Based on scientific, technical and commercial expertise, the mission is to provide innovative wires, cables and customised solutions for automotive, power, consumer durables and all other electrical industries to create value for all stakeholders.

JOURNEY TO THE TOP

KSH is always looking at opportunities for constant innovation and continuous improvements in its processes as well as infrastructure. The company's goal is to benchmark with the best globally in the industry and achieve technological leadership. Last but not least, the company is able to forge ahead because of its talented, committed and dedicated team of professionals. This philosophy has come good for KSH in all its pioneering endeavors.

KSH was the first Indian company to receive approval for supply of its CTCs for extra high voltage (EHV)

UNRIVALLED EXPERTISE AND COMMITMENT

- KSH is recognised for its commitment to servicing customers reliably in both domestic and international markets by providing design inputs that suit customer applications.
- The organisation's online and offline quality controls ensure technologically advanced products are delivered in this demanding winding wire industry.
- Robust system, processes and advanced manufacturing set-up ensures on-time delivery.



765kV transformer applications from Power Grid Corporation of India (PGCIL) in the year 2011. This was followed by ultra-high voltage

demand in a major way.

THE TECHNOLOGICAL EDGE

KSH is getting ready to