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MR. NIRAV PATEL
EXECUTIVE DIRECTOR
– GLOBAL BUSINESS,
YASH HIGHVOLTAGE LTD

Powering Global Ambitions

Yash Highvoltage® (Yash®, the company) has emerged as a powerhouse in the transformer bushing industry, driving innovation and reliability across global markets. With cutting-edge manufacturing capabilities, a future-focused R&D strategy, and a recent IPO that saw overwhelming investor interest, the company is setting new benchmarks in India’s power sector. We sat with Mr. Nirav Patel, Executive Director – Global Business at Yash®, to delve into the company’s strategic roadmap and his vision for the decades ahead.

Mr. Nirav Patel, thank you for joining us. As the Executive Director leading global business at Yash Highvoltage, how do you view the company’s journey so far?

Yash Highvoltage® has come a long way in establishing itself as a trusted name in the transformer bushings segment, not only in India but globally having 40,000+ products satisfactorily performing worldwide. Our commitment to quality, innovation, and customer satisfaction has been the driving force behind our growth. It’s been an exciting journey – full of learning, strategic expansion, and technological advancements, with even bigger goals on the horizon.

What are some of Yash’s key strategies to strengthen its footprint both in India and globally?

At Yash®, our approach has always been rooted in fundamentals. To be candid, we haven’t just relied on book-driven or pre-defined strategies to expand our presence across the world. Instead, our growth has been guided by a deep understanding of **our industry, products, responsiveness to market needs, and consistent delivery of quality.**

As the question reflects on Yash® footprints in India and across the globe, I would like to share that Yash® today is approved by all the major utilities and state electricity boards across India and has successfully established its presence in over 60 countries worldwide through **our widespread export network, including several representatives in Europe and Americas.**

As for the key strategies driving our continued growth, I would highlight two primary focus areas:

- 1. Expanding Production Capacity:** We are continually investing in scaling up our infrastructure to meet increasing demands globally.
- 2. Adapting to Global Standards:** We are committed to developing and manufacturing products that not only meet but exceed the requirements of diverse global markets, aligning with their technical specifications and unique needs.

This practical, customer-centric approach has been instrumental in strengthening our footprint and earning trust in new geographies.

Can you elaborate further on the steps Yash® has taken to expand production capacities?

Certainly! We continue to invest heavily in infrastructure and technology to strengthen our presence in both domestic and international markets, alongside fulfilling the rising demands for transformer bushings that is required for a robust and reliable power infrastructure – a need that is driven by rapid urbanization, population growth, accelerating shift towards sustainability and EV technology.

One of the major milestones in this direction has been the expansion of our manufacturing facility with a newly developed, dedicated bay for Oil Impregnated Paper (OIP) bushings.

The new manufacturing bay significantly enhances our capabilities – allowing us to **nearly double our production capacity** for OIP bushings. The new bay features a complete end-to-end manufacturing line, including a winding room with wide-band winding machine, SCADA-controlled autoclave systems, advanced assembly area, and high-capacity oil flooding station. It is also strategically located adjacent to our **ILAC-accredited EHV testing laboratory**, enabling faster quality assurance cycles.

Looking ahead, we are set to establish a dedicated, state-of-the-art manufacturing facility for Resin Impregnated Paper (RIP) and Resin Impregnated Synthetic (RIS) bushings up to 400 kV. This strategic greenfield project, expected to be commissioned by 2026, will more than double our current production capacity, ensure greater supply chain resilience and better equip us to meet the rising global demands for high-voltage RIP bushings to support rapidly expanding grid systems and e-mobility infrastructure. Designed with automation, sustainability, and international quality standards at its core, the upcoming plant reflects our vision for future-ready, precision-engineered power component solutions.



New high-speed wide-band winding machine



Team Yash® at the groundbreaking ceremony of new RIP/RIS manufacturing facility



SCADA based new autoclave system



ILAC-accredited EHV Laboratory

All in all, this expansion marks a significant leap forward empowering us to serve global markets more efficiently with enhanced capacity, agility, and reduced lead times.

That's quite impressive! You also spoke about aligning with global standards – could you elaborate on how Yash® is adapting to meet those international needs?

Absolutely! When I say we are highly adaptable to global requirements and expectations, I mean it in every sense of the word. Let me throw light on few of our recent developments in line with international market.



We have introduced a specialized range of **Shorter Oil End Length Bushings** to meet the demanding requirements of European power utilities. Designed in compliance with **GENELEC/EN standards**, these bushings feature an embedded electrode and robust construction to handle higher radial and axial stresses. They offer **exact dimensional compatibility** with existing European bushing brands, enabling easy integration without altering transformer designs. Currently available up to **170 kV**, the range is planned to expand to **245 kV** within a year.

170 kV shorter oil end length bushing specially designed for an European utility

Another development to high light would be Yash® engineered **OIP bushings with polymer insulators** for substations in seismic zones across the globe. These bushings offer enhanced durability and safety under extreme conditions – an ideal solution for earthquake-prone areas. Notably, a 245 kV OIP bushing with polymer insulator was provided to a leading transformer manufacturer in Turkey for end use in the Turkish grid.

While I talk about international market, there are regions that experience extreme cold conditions – and for such environments, we have successfully designed, developed, and supplied OIP (Oil Impregnated Paper) bushings that perform

OIP bushings with polymer insulators



reliably even in temperatures as low as -50°C to -40 . These bushings are specially engineered using low pour point insulating oil and cold-resistant O-rings and gaskets to ensure consistent performance under severe climatic conditions.



In addition to these developments, we also supply complete range of OIP bushings as per IEEE standards, ranging from 25 kV to 230 kV for the American market.

Exported special 145 kV 1250 A 600 BCT OIP Bushing suitable for -45°C temperature

Range of bushings as per IEEE standard



Thanks for walking us through Yash's developments for international market. Recently, Yash[®] dispatched India's first 25,000 Amp high current bushing. Could you tell us more about that?

Yes, that was a proud moment for all of us at Yash[®]. Successfully developing and supplying India's first 25,000 A high current bushing, for a renowned hydropower plant is a testament of our engineering excellence and innovation. Beyond making a record, it symbolizes our dedication to pushing the limits, technological leadership and setting new benchmark of indigenous engineering. It also showcases our ability to deliver customized, high-performance solutions for the most demanding applications.

Thank you, Mr. Nirav Patel, for sharing your valuable insights and shedding light on Yash Highvoltage's vision, innovations, and global strides. It's been a pleasure speaking with you.



India's first 36 kV 25000 A High Current bushing exported to renowned hydropower plant

Yash Highvoltage was recently listed on the Bombay Stock Exchange. What are your thoughts on this milestone?

Listing on the **Bombay Stock Exchange** was a vision that we all were working hard towards from the day of our inception – a vision that marked a phenomenal milestone upon realisation, adding a new chapter in our growth journey – and the response was nothing short of extraordinary.

An overwhelming response from the investor community is humbling. It clearly shows the trust and confidence stakeholders have in our brand, our leadership and our long-term potential. But it also comes with great responsibility. We are now more accountable than ever to deliver consistent value, maintain transparency and uphold the standards that our investors expect and deserve.



Moment of celebration and pride – a candid picture from the bell ringing ceremony of Yash Highvoltage's listing at BSE

Where do you see Yash Highvoltage[®] ten years from now?

Ten years from now, I see Yash[®] becoming a name synonymous with a leading next-generation solution provider in the transformer bushings segment – trusted for innovation, sustainable manufacturing, and unmatched customer service. We aim to expand our global footprint significantly, enter new markets and introduce a broader range of advanced products. Our vision is to be a key enabler in the world's energy transition journey, supporting reliable power distribution across the globe. ■