



Tomorrow's solutions today



## Kushal Desai

Chairman & Managing Director  
APAR Industries

**APAR Industries is the world's largest manufacturer of aluminium and alloy conductors and a leader in speciality cables and oils. How is the company leveraging advanced technologies like e-beam cables and high-performance conductors to support India's renewable energy and smart infrastructure goals?**

APAR has been at the forefront of powering India's growth since 1958. We are the world's largest manufacturer of aluminium and alloy conductors and a leader in speciality cables and oils. Our focus has always been on developing technologies that strengthen the nation's renewable energy ambitions and enable the transition to smarter, greener and more efficient infrastructure. Our high-performance conductors operate at elevated temperatures—up to 250°C—offering higher ampacity with significantly higher power transfer, reduced sag, and lower energy losses, which are essential for integrating large-scale solar and wind power into the grid and upgrading the power transmission infrastructure in India, meeting the Prime Minister's vision of one nation one grid. We are also advancing grid intelligence

through solutions like Optical Ground Wire (OPGW) and Optical Phase Conductor (OPPC), which combine power and high-speed data transmission to support smart cities, real-time monitoring, 5G rollout, and IoT-driven infrastructure.

Our turnkey capabilities—from High Tension Low Sag reconductoring to Medium Voltage Covered Conductors—help utilities to boost capacity while reducing lifecycle costs. We are a global player active in more than 100 countries, contributing to renewable integration efforts that align with India's goal of achieving 500 GW of clean energy by 2030. APAR is also a pioneer in Electron Beam (E-beam) technology, with five state-of-the-art facilities delivering safer, longer-lasting cables, including our APAR Anushakti range introduced in 2019. Complementing these advancements, we offer eco-friendly, biodegradable transformer oils that enhance equipment performance while meeting the sustainability demands of modern power networks. Together, these innovations position APAR as a key enabler of India's energy transition and smart infrastructure evolution.

**APAR has earned a CARE Edge ESG-1 rating and set ambitious targets for carbon neutrality and renewable energy adoption. What key initiatives are driving your sustainability roadmap, and how do they align with global climate goals?**

We are proud to have earned CARE Edge ESG-1 rating with a strong

ESG score of 76.4. Our sustainability initiatives focus on reducing water consumption, increasing renewable energy adoption by 7.3%, enhancing waste recovery through recycling, and embedding circularity in waste management practices. We emphasise product stewardship, sustainable manufacturing processes, and strong governance frameworks to mitigate ESG risks. These measures align closely with global climate goals by reducing greenhouse gas emission intensity, increasing renewable energy consumption, and promoting community development and employee well-being.

**With a INR 1,300 crore capex plan and expansion into high-growth segments like EV cables and hybrid solutions, what is APAR's strategy to maintain global competitiveness amid geopolitical challenges and rising domestic demand?**

Our INR 1,300 crore capex plan focuses on increasing capacity across our 3 major business verticals and increasing our capability to produce more complex conductors, cables and speciality oils. We expect, with the Energy Transition, a consistent increase in power consumption globally. APAR is also investing in its digital infrastructure, which includes an ambitious Industry 4.0 program to improve productivity, quality and service levels. There is also an increased allocation to develop new and improve existing products to deliver lower energy losses, increased safety and higher environmental acceptance. ■