

# Insulators

Grasim is one of India's leading producers of high-performance insulators, offering a comprehensive portfolio that spans both ceramic and composite technologies. These insulators are engineered to meet the critical requirements of transmission and distribution (T&D) lines, substations, power equipment, and railway electrification projects.

₹479 crore  
Revenue from operations

₹7 crore  
EBITDA

~30%  
Share of exports in total revenue



"The demand for insulators in India is poised for sustained growth, driven by the country's expanding power infrastructure and increasing electrification needs. With a strong emphasis on quality, durability, and advanced manufacturing, we play a key role in supporting India's power infrastructure with reliable and efficient insulation insulators that meet international standards."

Ajit Rajagopalan  
Chief Executive Officer

## Business Overview

Aditya Birla Insulators (ABI) is a key pillar of India's power infrastructure, renowned for its scale, technical excellence, and global reach. With an impressive installed capacity of 41,727 tonnes per annum (TPA), ABI is India's largest manufacturer of electrical insulators and ranks among the top four insulator manufacturers globally. The business specialises in both ceramic and composite insulators, catering to a wide spectrum of applications like power transmission, railway electrification and other applications.

ABI's comprehensive portfolio includes solutions for high-voltage transmission lines and substations up to 1200 kV, as well as insulators for electrical equipment and railway electrification.

With an enduring focus on quality, innovation, and operational reliability, Aditya Birla Insulators plays a pivotal role in strengthening power transmission infrastructure, both in India and in international markets, ensuring efficient, safe, and uninterrupted flow of electricity across geographies.

## Competitive Strengths



Global Leadership and Extensive Product Range



Advanced Manufacturing Facilities



Strategic Diversification and Partnerships

## Operating Context

As India advances towards its vision of providing reliable electricity access to all, significant investments are being made in the upgrade and expansion of transmission and distribution (T&D) networks, including high-voltage corridors and substation capacity enhancements. Government initiatives such as Revamped Distribution Sector Scheme (RDSS) and ongoing rural and urban electrification projects are further accelerating demand. Additionally, the rapid pace of renewable energy integration, which requires robust grid infrastructure for long-distance power evacuation, and the electrification of railways are key growth drivers.



Strategic Focus Areas



Increase Revenue from Exports

To drive growth and resilience, the business is adopting strategic focus on increasing exports by targeting high-potential international markets, customising products to meet global standards, and building strong distribution networks.



Product Innovation

Develop next-generation insulators (e.g., polymeric, composite, hybrid materials) with improved performance (e.g., higher thermal resistance, lighter weight, or better mechanical strength). The new product would aid market differentiation, higher margins, and access to premium segments (like high-voltage or harsh working environments).



Operating and Financial Performance

Revenue for FY 2024-25 stood at ₹479 crore compared to ₹477 crore in FY 2023-24. Exports for FY 2024-25 stood at ~30% compared to 20% in FY 2023-24. EBITDA for FY 2024-25 stood at ₹7 crore compared to ₹36 crore in FY 2023-24.

Revenue (₹ crore)



EBITDA (₹ crore)



Outlook

As India embarks on a massive upgrade of its power transmission and distribution (T&D) infrastructure, demand for high-quality, reliable insulators is set to rise sharply. With India set to invest ₹6.5 lakh crore in T&D over the next seven years (NEP 2032), the electric insulator market is projected to grow at a healthy pace. As India's largest and one of the world's leading manufacturers of high-voltage insulators, we are strategically positioned and well equipped to play a pivotal role in this growth story. Leveraging its advanced manufacturing capabilities, certified product range and proven track record in serving both domestic utilities and global OEMs, ABI is well-equipped to meet the evolving demands of India's expanding T&D landscape.

