

THE BEDROCK OF BHARAT: HOW PROPEL INDUSTRIES BECAME THE UNRIVALED LEADER IN INDIA'S MINING REVOLUTION



The landscape of Indian mining is undergoing a seismic transformation. As the nation intensifies mineral production to fuel infrastructure and energy demands, the equipment powering these sites has become the most critical link in the value chain. Standing at the pinnacle of this industry is Propel Industries, India's market-leading manufacturer of crushing, screening, and washing equipment.

With the highest market share in the domestic segment to date, Propel has moved beyond being a vendor to becoming a strategic partner for India's leading coal producers, iron ore processing plant owners, and prominent public limited companies. With a footprint of over 3,100 installations across

50+ countries and a vertically integrated manufacturing powerhouse, Propel is fully equipped to meet the diverse, ad-hoc requirements of a rapidly evolving global market.

Engineering for Every Mineral: A Segmented Approach

Propel's dominance is built on the philosophy that no two minerals are the same. By engineering site-specific solutions, the company has proven a formidable presence across all major mineral segments.

1. The Infrastructure Spine: Iron Ore & Limestone

Propel is a cornerstone of India's growth story in iron ore and cement production. In the iron ore segment, the company offers a triple-treat of technology: track-mounted/mobile plants, wheel-mounted plants, and skid plants. This versatility allows plant owners to scale operations based on the terrain and duration of the project. Similarly, in the limestone and cement sectors, Propel's plants are preferred for their robust build and ability to manage high-volume throughput with minimal maintenance.



2. Strategic & Specialized Minerals: Zinc, Bauxite, and Beyond

For high-value minerals like Zinc, Propel's wheel-mounted plants provide the precision and reliability required for complex extraction. In the rugged environments of Bauxite mining, Propel's track-mounted plants offer the necessary mobility to navigate challenging topography while maintaining peak productivity.

3. The Energy Pulse: Coal

In the coal sector, Propel has revolutionized processing for India's largest coal producers and Mine Developers and Operators (MDOs). The introduction of wheel-mounted and skid plants for crushing coal to (-) 100 mm has been a gamechanger. These configurations are widely favored due to their significantly lower CAPEX and OPEX. By optimizing the cost-per-ton of crushing, Propel has secured consistent repeat orders from major coal contractors.

Furthermore, the supply of track-mounted mobile jaw crushers to a leading subsidiary of India's premier coal producer has set new benchmarks for

flexibility, allowing for high-mobility operations that can transition seamlessly between electrical and diesel power.

The Propel Edge: Safety, Compliance, and Cost-Effectiveness

In the modern mining era, performance is measured by more than just output. Propel leads the industry by prioritizing three core pillars:

- **DGMS Compliance:** Safety is non-negotiable. Every piece of Propel equipment is manufactured strictly according to DGMS (Directorate General of Mines Safety) norms. This ensures that corporate mineral extracting customers can operate with total peace of mind.
- **Electrical Cost-Effectiveness:** With rising fuel costs, Propel has focused on electrical efficiency. Their dual-powered and electrically driven plants provide a significant reduction in operating costs, allowing contractors to maximize margins.
- **Adaptability for Ad-hoc Requirements:** Propel's vertically integrated manufacturing allows for rapid response to unique customer requirements - whether it is a specific footprint for a skid plant or specialized mobility for a wheel-mounted unit.



Associated with Excellence

From massive Public Limited Companies and corporate mineral giants to the agile contractors who form the lifeblood of the industry, Propel is the trusted name. Their ability to deliver complete, reliable solutions ranging from 100 TPH to 1,000 TPH makes them the only player capable of handling projects of any scale.

A Sustainable Future

Beyond crushing and screening, Propel is pioneering the "Green Mining" movement. The recent expansion into sustainable mobility with an EV dump truck range for heavy-duty mining reflects a commitment to a zero-emission future.

Unmatched Service Ecosystem: 24/7 Reliability

To ensure maximum up time, the company has established a world-class service infrastructure:

- **Strategic Service Presence:** Service professionals are stationed at key mining hubs across India and the globe for round-the-clock support.
- **Remote Monitoring & Assistance:** Leveraging advanced technology, technical experts use remote monitoring to diagnose and resolve issues in real-time.



Digital Transformation in Mining

Propel Industries accelerates digital transformation in mining through Proconnect, an advanced SCADA and IoT platform offering real-time

monitoring, control, and analytics for operations of any scale. Its secure, scalable architecture enhances decision-making and operational visibility. Complementing this, the PROLIVE remote monitoring system enables proactive troubleshooting, higher uptime, and improved productivity through predictive insights. Together, these solutions empower mining enterprises with smarter, safer, and more efficient equipment management.

Conclusion

As India eyes global leadership in mineral exports and domestic self-sufficiency, Propel Industries stands as the vanguard of this journey. With the highest market share, a portfolio covering every major mineral, and a steadfast commitment to safety and innovation, Propel is not just selling equipment - it is engineering the future of the Indian mining segment.

Source: <https://www.propelind.com/case-study/the-bedrock-of-bharat-how-propel-industries-became-the-unrivaled-leader-in-indias-mining-revolution/>

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