

International Metals & Metallurgy Summit (IMMS) 2026

A Brief

International Metals & Metallurgy Summit (IMMS) 2026, organized by *The Indian Institute of Metals (IIM) – Delhi Chapter*, was held on 25Feb.2026, at the India International Centre, New Delhi, under the theme *“Advanced Rolling Technologies for Metals & Alloys.”*

The Summit focussed on advanced rolling technologies for metals and alloys. Industry leaders from **SAIL, JSW Steel, Danieli, SMS India, Yogi Ji Digi, Jindal Stainless** and **Jindal Steel** discussed sustainable rolling innovations, digital solutions and green steel production pathways. Industry titans converged to deliberate the transformative trajectory of rolling technologies.

Shri Manoranjan Ram, Chairman of IIM Delhi Chapter & Vice President at Danieli India Limited, articulated the organization's unwavering dedication to knowledge dissemination while emphasizing the Conference's strategic focus on addressing contemporary industry challenges. The Summit's thematic foundation encompassed cutting-edge rolling technologies, capital investment optimization, artificial intelligence integration and renewable energy adoption within metallurgical operations. This gathering represented more than a conventional Conference; it manifested as a crucible where traditional manufacturing wisdom intersected with futuristic technological innovations.

Danieli India's presence at **IMMS 2026** underscored the company's strategic commitment to India's manufacturing renaissance under the Make in India initiative. *Shri Gajendra Panwar*, CEO & MD of Danieli India, delineated the organization's extensive project portfolio spanning diverse geographical regions and industrial applications. The company's impressive track record includes successful installations at Jai Raj Steel in Hyderabad, Rungta Steel, Tata Steel etc., demonstrating their technological prowess across varied operational scales. Recent project acquisitions encompassing Mukund Steel, Arjun Metals, Viraj Profiles, MIDHANI, NMDC Steel Plant and IISCO Steel Plant reflect Danieli's expanding footprint within India's metallurgical ecosystem. This comprehensive project spectrum showcases the company's versatility in addressing diverse client requirements while maintaining technological excellence. *Shri Panwar* emphasized Danieli's commitment to localizing advanced rolling mill technologies, thereby reducing dependency on imports while enhancing domestic manufacturing capabilities. The organization's strategic approach involves not merely equipment supply but comprehensive technological transfer, ensuring Indian steel manufacturers achieve operational excellence comparable to global standards. This philosophy aligns seamlessly with national objectives of achieving self-reliance in critical industrial sectors while fostering innovation-driven growth trajectories.

The summit witnessed a paradigmatic shift toward digitalization as *Shri Navneet Singh*, Managing Director of Yogi Ji Digi, presented revolutionary digital solutions transforming modern rolling processes. These technological interventions encompass sophisticated strip processing

methodologies and advanced coating technologies that optimize operational efficiency while minimizing resource consumption. Digital transformation in metallurgical operations represents a fundamental departure from traditional manufacturing approaches, integrating real-time monitoring systems, predictive maintenance algorithms and automated quality control mechanisms. Shri Navneet Singh's presentation highlighted how artificial intelligence applications enhance process optimization, reduce material wastage and improve product consistency across diverse rolling mill configurations. These digital solutions facilitate proactive decision-making, minimize unplanned downtime and optimize energy consumption patterns throughout the production cycle.

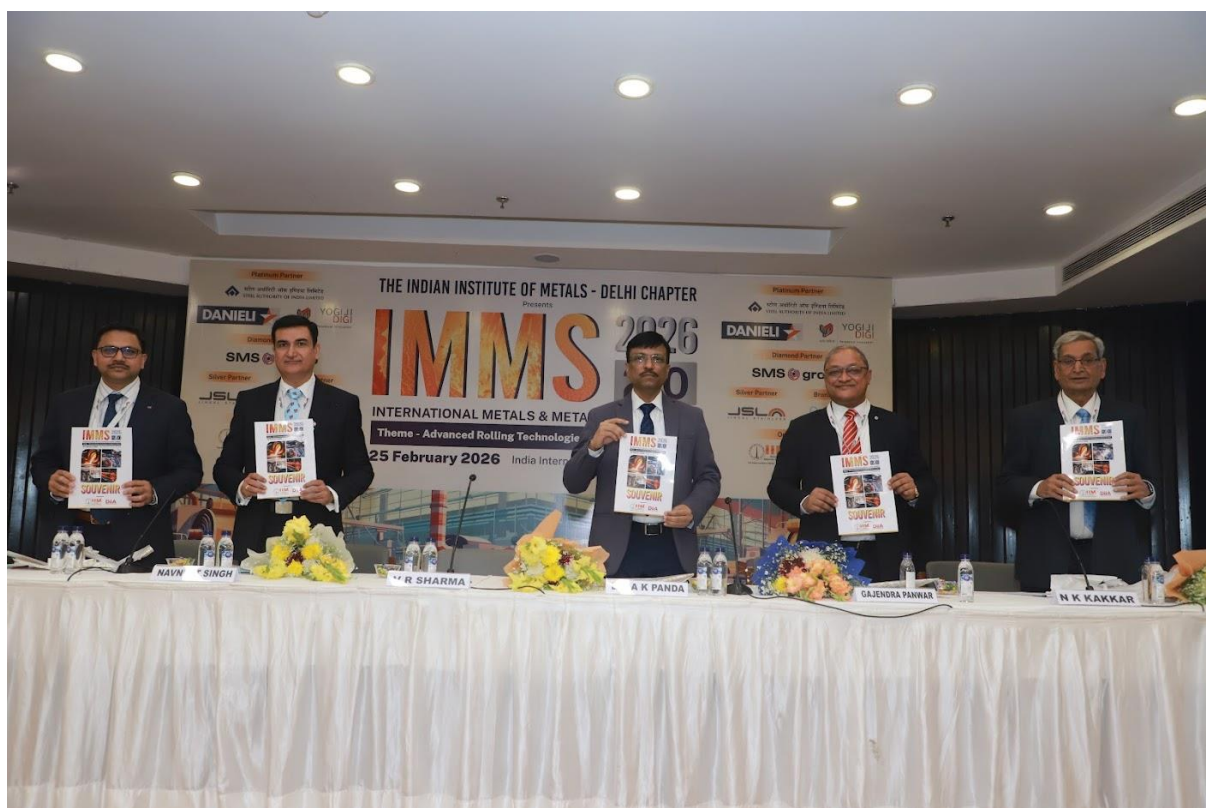
Shri V R Sharma, Vice Chairman of Jindal Steel Limited Advisory Services, delivered a compelling keynote address emphasizing the critical importance of establishing dedicated Research & Development Centres for specific metallurgical technologies. His discourse highlighted the strategic necessity of leveraging India's abundant coal resources while simultaneously pursuing progressive transitions toward green steel production methodologies. Sharma's vision encompasses a balanced approach that maximizes existing resource utilization while investing in future-ready technologies that ensure long-term sustainability. The emphasis on dedicated R&D infrastructure can enable steel manufacturers to develop proprietary technologies tailored to Indian operational conditions while addressing unique challenges posed by local raw material characteristics and market requirements. The keynote underscored the importance of collaborative research initiatives between industry players, academic institutions and government organizations to accelerate technological innovation. Shri Sharma advocated for a phased transition strategy for green steel production that maintains operational continuity while progressively incorporating cleaner production technologies, ensuring economic viability throughout the transformation process. This strategic framework positions Indian steel manufacturers to achieve environmental compliance while maintaining competitive advantages in global markets.

Dr. A K Panda, Director Finance and holding additional charge as Director Commercial at Steel Authority of India Limited, outlined SAIL's ambitious expansion trajectory from the current production capacity of approximately 21 million metric tons to 30 million metric tons in his Inaugural Address. This substantial capacity enhancement reflects SAIL's commitment to meeting India's growing steel demand while implementing comprehensive decarbonization initiatives across all operational facilities. The expansion strategy encompasses adoption of cleaner production technologies, implementation of energy-efficient processes and systematic reduction of carbon emissions throughout the production cycle. SAIL's approach demonstrates how large-scale steel manufacturers can achieve growth objectives while addressing environmental sustainability concerns through technological innovation and operational optimization. The organization's decarbonization roadmap includes investments in renewable energy infrastructure, implementation of carbon capture technologies and adoption of hydrogen-based steel production processes where economically viable. Dr. Panda emphasized SAIL's role as a technology leader within India's public sector steel industry, pioneering sustainable manufacturing practices that can be replicated across the broader metallurgical sector. This strategic positioning enables SAIL to

contribute significantly to India's climate commitments while maintaining its competitive position in domestic & international markets. The expansion plans incorporate state-of-the-art rolling mill technologies that enhance product quality while reducing environmental impact.



Dr. A K Panda, delivering his Inaugural Address



IMMS 2026 Souvenir was released during the inaugural session

The Summit's panel discussion on "**Emerging Trends in Rolling Technologies**" facilitated dynamic exchanges between distinguished industry experts, fostering collaborative insights into future technological trajectories. Chaired by *Dr. Sanak Mishra*, Professor of Practice at COEP Technological

University Pune, the panel featured luminaries including *Shri Sashi Shekhar Mohanty* MD & CEO of Essar Minmet, *Mr. Jozi Shuli* Vice President Flat Products from Danieli Group Italy, *Mr. Rajesh Kumar Garg* Senior Vice President, Head Flat Products at SMS India, and *Shri PVNP Rama Rao*, Senior Vice President at JSW Steel. This diverse representation ensured comprehensive coverage of technological perspectives spanning equipment manufacturing, steel production and academic research domains. The panel deliberations addressed critical challenges facing the rolling mill industry, including energy efficiency optimization, product quality enhancement and integration of sustainable production methodologies. Participants shared practical experiences from implementing advanced rolling technologies, highlighting both successes and challenges encountered during technology adoption processes. The discussions revealed emerging trends toward automation, digitalization and environmental compliance that will shape future rolling mill designs and operations. These expert insights provided attendees with actionable intelligence for strategic decision-making regarding technology investments and operational improvements. The collaborative format enabled knowledge transfer between technology providers and end users, fostering partnerships that accelerate innovation adoption across India's steel industry.

IMMS 2026 featured comprehensive technical sessions addressing "*Advances in Hot & Cold Rolling Technologies*" & "*Enhancing Microstructure Properties & Product Performance Through Innovative Rolling*." These specialized sessions encompassed ten detailed presentations from leading organizations including Danieli Italy, SMS India, Bhilai Steel Plant, RDCIS Ranchi, JSW Steel, Jindal Stainless, Tata Steel Sahibabad, Yogi Ji Digi, HDFC and Umbrella Protection System. Each presentation provided deep technical insights into specific aspects of rolling mill operations, from fundamental process improvements to advanced material science applications, power cost saving and logistics. Danieli Italy and SMS India showcased their latest technological innovations, demonstrating how cutting-edge equipment design enhances operational efficiency while reducing environmental impact. The technical content addressed practical challenges encountered in rolling mill operations, offering evidence-based solutions that can be implemented across diverse operational contexts. An innovative presentation from HDFC Bank addressed the economics of round-the-clock captive renewable power for steel plant operations, highlighting financial strategies that support sustainable manufacturing initiatives. These technical sessions provided attendees with actionable knowledge that can be directly applied to improve rolling mill performance, reduce operational costs and enhance product quality across various steel grades and applications.

The International Metals & Metallurgy Summit 2026 brought together diverse group of metallurgical industry engineers and executives which engaged in technical discussions around advanced rolling technologies with sustainable steel production. The event highlighted India's transition toward green steel manufacturing while leveraging existing resources and implementing cutting-edge rolling mill technologies. The summit addressed critical challenges facing modern steel production including energy efficiency and environmental sustainability.

IMMS 2026 concluded successfully with the enthusiastic participation and in-depth deliberations among industry leaders, subject experts and experienced rolling mill technologists.