



Chief Minister's Secretariat

PRESS RELEASE

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Davos / Ranchi

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Green Steel Technology to Drive India's Sustainable Industrial Transition

Historic Collaboration Between Government of Jharkhand and Tata Steel under the Leadership of Chief Minister Hemant Soren

₹11,100 Crore Investment to Strengthen Next-Generation Industrial Infrastructure and Employment

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Davos / Ranchi

In a significant step towards sustainable industrial development, the Government of Jharkhand, under the leadership of Chief Minister Mr. Hemant Soren, and Tata Steel Limited signed a Letter of Intent (LoI) and Memorandum of Understanding (MoU) on the sidelines of the World Economic Forum (WEF), Davos. The agreement outlines a proposed investment of over ₹11,000 crore in New Age Green Steel Technologies, aimed at supporting India's transition towards low-carbon, environmentally responsible industrial growth while generating substantial direct and indirect employment opportunities in the State.

The partnership will bring advanced green steel technologies from the Netherlands and Germany to Jharkhand, positioning the State as a key contributor to the global shift towards sustainable manufacturing. The meeting

was attended by Mr. T.V. Narendran, Managing Director & CEO, Tata Steel, along with senior members of the Tata Steel delegation.

Adoption of Next-Generation Ironmaking Technologies

A major component of the proposed investment involves deploying HISARNA and EASyMelt ironmaking technologies, with an estimated investment of ₹7,000 crore. The HISARNA technology enables the use of domestic coal and low-grade iron ore, thereby reducing dependence on imported raw materials and improving cost efficiency. When integrated with carbon capture and storage solutions, the technology has the potential to reduce carbon dioxide emissions by up to 80 per cent. Following successful pilot trials in the Netherlands, Tata Steel plans to establish a commercial-scale facility of approximately 1 million tonnes per annum capacity in Jamshedpur by 2030.

The EASyMelt (Electrically Assisted Syngas Melter) technology, a first-of-its-kind global solution, is designed to enhance the sustainability of conventional blast furnace operations. By reducing coke consumption through the use of syngas, it can lower CO₂ emissions by up to 50 per cent.

Strengthening Industrial Infrastructure

In addition to ironmaking technologies, the investment package includes ₹1,500 crore for the establishment of a modern Combi Mill and ₹2,600 crore for the expansion of Tinsplate facilities. These initiatives are intended to strengthen Jharkhand's industrial ecosystem, support high-skilled employment, and enhance long-term competitiveness in a decarbonising global economy. Collectively, these projects position Jharkhand and Tata Steel among the early adopters of large-scale green ironmaking technologies.

Balanced Economic Growth with Environmental Responsibility

The agreement reflects the Government of Jharkhand's commitment to a development model that integrates industrial growth with environmental sustainability. By promoting advanced green technologies, the State aims to achieve economic expansion while maintaining ecological balance and ensuring inclusive growth. The proposed investments underscore a long-term approach to responsible industrialisation aligned with national and global climate objectives.

Jharkhand @25: Transitioning from Industrial Legacy to Green Innovation

As Jharkhand marks 25 years of its formation, the agreement represents a milestone in the State's evolving industrial trajectory. Under the leadership of Chief Minister Mr. Hemant Soren, Jharkhand is progressing from a mineral-based economy towards becoming a hub for sustainable and future-ready industrial development. In this context, a separate MoU was also agreed upon between the Government of Jharkhand and Tata Steel to promote industrial tourism at Tata Group-associated mining and manufacturing locations in the State.

During the interaction, Mr. T.V. Narendran appreciated the Chief Minister's engagement at Davos and noted Jharkhand's progress in education, manufacturing, and mining sectors. He emphasised the importance of the State's continued participation in global business forums. The Chief Minister also proposed that Tata Steel support the upgradation of Industrial Training Institutes (ITIs) in Jharkhand to enhance employability and market relevance, a proposal to which Tata Steel expressed its willingness under its Corporate Social Responsibility (CSR) initiatives.

On the occasion, the Tata Group invited the Chief Minister to a dinner at the Tata Dome in Davos, which was graciously accepted.

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#TeamPRD(CMO)