



## **Press Release**

# **Jindal Steel Leads India's Coal Gasification Revolution for Energy Self-Reliance & Sustainable Steel**

**New Delhi, April 6, 2026:** Jindal Steel has pioneered the use of swadeshi coal through advanced coal gasification, significantly strengthening India's energy security while enabling low-carbon steel production.

The company achieved a global first by establishing India's first coal gasification-based Direct Reduced Iron (DRI) plant, using syngas for iron-making. In response to shortages of natural gas, LPG, and propane, Jindal Steel has now successfully deployed syngas in galvanising and colour coating line furnaces—marking the first such application in the steel industry. This has helped the company better mitigate fuel shortages in these unprecedented times.

Further strengthening its leadership, Jindal Steel has pioneered syngas injection into its blast furnace, reducing dependence on imported coking coal and lowering carbon emissions per tonne of steel. This integrated deployment of syngas across the steelmaking value chain sets a new benchmark for efficiency, sustainability, and energy self-reliance.

The forward-looking policies and incentives of the Government of India—including the National Coal Gasification Mission, are expected to accelerate the adoption of coal gasification technologies and support the country's push towards energy self-reliance.

**Mr. P.K. Biju Nair, Executive Director Angul, Jindal Steel, said:** *"Synthesis gas from swadeshi coal can replace imported methanol, ammonia, ammonium nitrate, and LNG. India must utilise its vast coal reserves to future-proof low-carbon growth and reduce forex outflow. Coal gasification, coupled with CCUS, will lower emission intensity, support CBAM compliance, and strengthen our export competitiveness".*



By harnessing swadeshi coal and deploying advanced clean coal gasification technologies, Jindal Steel is advancing the vision of Aatmanirbhar Bharat while delivering sustainable and cost-competitive steel production.

### **About Jindal Steel**

Jindal Steel is one of India's foremost integrated steel producers, renowned for its scale, efficiency, and commitment to excellence. Operating on a robust mine-to-metal model, the Company leverages captive resources, advanced manufacturing capabilities, and a global distribution network to deliver high-performance steel solutions. With an investment footprint exceeding USD 12 billion, Jindal Steel runs state-of-the-art facilities in Angul, Raigarh, and Patratu, and maintains strategic operations across India and Africa. Its diversified and future-ready product portfolio underpins core sectors such as infrastructure, construction, and manufacturing, powering progress through strength and sustainability.

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