



Regd. Office : JSW Centre,
Bandra Kurla Complex,
Bandra (East), Mumbai - 400 051
CIN. : L27102MH1994PLC152925
Phone : +91 22 4286 1000
Fax : +91 22 4286 3000
Website : www.jsw.in

Ref: JSWSL: SEC: MUM:SE: 2024-25
July 01, 2024

1. National Stock Exchange of India Ltd. Exchange Plaza Plot No. C/1, G Block Bandra – Kurla Complex Bandra (E), Mumbai – 400 051 Fax No.: 2659 8237-38 Ref: NSE Symbol - JSWSTEEL Kind Attn.: Listing Department	2. BSE Limited Corporate Relationship Dept. Phiroze Jeejeebhoy Towers Dalal Street, Mumbai – 400 001. Fax No. 2272 2037/2039/ 2041 Ref: Company Code- 500228 Kind Attn.: Listing Department
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Sub :- JSW Steel & JFE Steel begin pilot demonstration of advanced Cyber-Physical System technologies in Blast Furnace operations

Dear Sirs,

Enclosed herewith is a press release dated July 01, 2024 on the above subject, which is self-explanatory.

This is for your information and in compliance with applicable Regulation of the Securities Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015.

Thanking you,

Yours faithfully,
For **JSW STEEL LIMITED**

Lancy Varghese
Company Secretary





FOR IMMEDIATE RELEASE

JSW Steel & JFE Steel begin pilot demonstration of advanced Cyber-Physical System technologies in Blast Furnace operations

MUMBAI – JULY 1, 2024: JSW Steel Limited (hereinafter referred to as “JSW Steel”) and JFE Steel Corporation (hereinafter referred to as “JFE”) have commenced pilot demonstration of cloud-based Cyber-Physical System (“CPS”) technologies for blast furnace operations at JSW Steel Vijayanagar Works. Through this revolutionary digital project, JSW Steel will leverage data science technologies in a cloud environment to enhance efficiency of its blast furnace operations in the manufacturing of steel. This is the first project wherein JFE provides its proprietary CPS capability to JSW Steel through a cloud-based environment. JSW and JFE will be deepening this strategic collaboration through various other digital transformation initiatives in the production of steel to be implemented at JSW Steel in the future. JFE will continue to develop this solution-based services for its partners across various global markets.

Commenting on the collaboration between JSW Steel & JFE, Mr Gajraj Singh Rathore, COO – Manufacturing of JSW Steel, *“The digital collaboration with JFE to introduce Blast Furnace Cyber-Physical System technologies further strengthens our long-standing partnership with JFE Steel. This technological intervention will enable us to enhance the efficiencies of our blast furnace operations while positioning JSW Steel as a top-runner in data science tech deployment in the global steel sector. Both our organizations will also continue to explore newer possibilities for such tech collaborations in various fields.”*

JSW Steel & JFE will jointly operate the cloud-based data science technology called Blast Furnace Cyber-Physical System (“BF-CPS”) at JSW Steel Vijayanagar Works. The BF-CPS intervention will enable JSW Steel to visualize and predict the blast furnace operations as well as aid in abnormality predictiveness through hot metal temperature control model & channeling prediction. This will enable JSW Steel to reduce operational impediments at its blast furnaces resulting in agile and stable operational outcomes. It is also expected to contribute to reduction of CO2 emissions in blast furnace operations. JFE introduced this technology across all of its 7 blast furnaces and continuously achieved highly-efficient and stable operations.

Since 2009, JSW and JFE continue to deepen their strategic collaboration through capital participation and provision of technical solutions such as automotive steels, electrical steels and environmental measures. JFE expects realization of higher productivity and stable operation by proactively promoting digital transformation (“DX”). JFE continues to find solutions of matters in various fields through DX, and to extend such solutions including the BF-CPS to its strategic partners globally. Through this, JFE will also contribute towards the broader purpose of building a sustainable future.

About JFE: JFE Steel Corporation, one of the world’s leading integrated steel producers, was established through the consolidation of NKK Corporation and Kawasaki Steel Corporation in 2003. The company operates several steelworks in Japan and numerous branch offices and affiliates throughout the world. JFE Steel leverages world-class technologies and know-how to produce a wide range of products based on its “Only One, Number One” strategy of focusing on unique and best-in-class products. The company reported consolidated sales of 3,716 billion yen and consolidated crude steel output of 24.80 million tons in the fiscal year ended March 2024.



About JSW Steel:

- JSW Steel is the flagship business of the diversified US\$ 24 billion JSW Group. As one of India's leading business houses, JSW Group also has interests in energy, infrastructure, defence, cement, realty, paints, ecommerce, sports, green mobility and venture capital.
- Over the last three decades, JSW Steel has grown from a single manufacturing unit to become India's leading integrated steel company with a capacity of 29.7 MTPA in India and the USA. Its next phase of growth in India will take its total capacity to 43.5 MTPA by September 2027. The Company's manufacturing unit in Vijayanagar, Karnataka is the largest single location steel-producing facility in India.
- JSW Steel has always been at the forefront of research and innovation. It has a strategic collaboration with global leader, JFE Steel of Japan, enabling JSW to access new and state-of-the-art technologies to produce and offer high-value special steel products to its customers. These products are extensively used across industries and applications including construction, infrastructure, automobile, electrical applications, and appliances.
- JSW Steel is widely recognized for its excellence in business and sustainability practices. Some of these recognitions include World Steel Association's Steel Sustainability Champion (consecutively from 2019 to 2024), Leadership Rating in CDP climate change disclosure (A-) and in CDP Water Disclosure (A) for 2023, Deming Prize for TQM for its facilities at Vijayanagar (2018), and Salem (2019). It is now part of the World Dow Jones Sustainability Index (DJSI) and Emerging Markets during 2023, along with inclusion in the S&P Global's Sustainability Yearbook (consecutively from 2020 to 2023).
- JSW Steel's SEED project has been awarded with Energy Transition Changemakers at COP28.
- In December 2023, JSW Steel was ranked 8th among the top 35 world-class steelmakers, according to the 'World-Class Steelmaker Rankings' by World Steel Dynamics (WSD), based on a variety of factors.
- As a responsible corporate citizen, JSW Steel's CO2 emission reduction goals are aligned with India's Climate Change commitments under the Paris Accord.
- JSW Steel aims to reduce its CO2 emissions by 42% from its steel-making operations by 2030 and has committed to achieve net neutral in carbon emission for all operations under its direct control by 2050.
- JSW Steel aims to lead the energy transition by powering steel-making operations entirely by renewable energy by 2030.
- Other sustainability targets include achieving no-net loss in biodiversity at the operating sites by 2030, substantially improving air quality and reducing water consumption in all operations and maintaining Zero Liquid Discharge.
- JSW Steel has emerged as an organisation with a strong cultural foundation. It is certified by Great Places to Work (2021, 2022 and 2023) as well as ranked as one of the Best Employers among Nation Builders (2023) and one of India's Best Workplaces in Health and Wellness (2023).

For Further Information Please Contact:

JSW Group Corporate Communications

Frederick Castro
Mobile: +91 99206 65176
Email: frederick.castro@jsw.in

Mithun Roy
Mobile: +91 98190 00967
Email: mithun.roy@jsw.in