

# Vedanta J'suguda leverages world-class engineering

PNS ■ JHARSUGUDA

On the Engineer's Day on Tuesday, the Vedanta Jharsuguda, reiterated its commitment to leverage best-in-class engineering, technology and innovation to boost the country's self-reliance in aluminium and fulfil raw material needs of critical sectors.

Speaking about the company's vision and manufacturing prowess, Vedanta Ltd., Jharsuguda CN Singh said, "On Engineer's Day, we reiterate our vision to develop India's indigenous capacity,

propelled by our engineering capabilities and technical prowess for meeting raw material needs of key sectors like aerospace, infrastructure, space exploration, electrification, automotive, defence etc." Among Vedanta Jharsuguda's many claims to

fame is fact that it is probably only aluminium operation in world where young professionals with an average age of 27 run such mammoth smelters and power plants.

Hailing from some of country's finest institutions, engineers make up 29 per cent of the company's workforce, of whom 12 percent are women.

Vedanta, Jharsuguda, is India's first, and world's third, smelter to deploy Digital Smelter Solution, which allows for remote monitoring and control of potline operations, enhances energy efficiency, reduces raw material consumption and arrests wastage of material.

Implementation of Supervisory Control and Data Acquisition (SCADA), ensure visibility of all critical plant operations and allow for informed decision making,

ensuring seamless operations. The company has developed an end-to-end digitally enabled central control module for inbound and outbound logistics, which looks into all aspects of supply chain planning and monitoring from mines to plants and then to ports.

This logistics automation has resulted in an entirely paperless process with increased efficiency and reduced leakages.

Critical sections of smelter operations, from potlines to cast houses, have deployed state-of-the-art engineering technologies to ensure highest quality metal and superior products at par with global standards.

Hawk-eyed quality assessment of raw material and finished products make Vedanta one of the most preferred suppliers of aluminium



to developed markets like US and Europe.

The company is India's highest producer and exporter of billets and wire-rods. Automations and robot-

ic technologies were used across plant operations to unlock greater speed and efficiency while safeguarding employees and business partners.