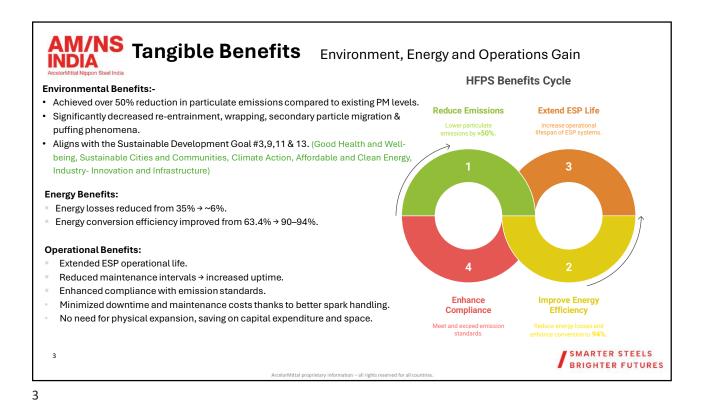
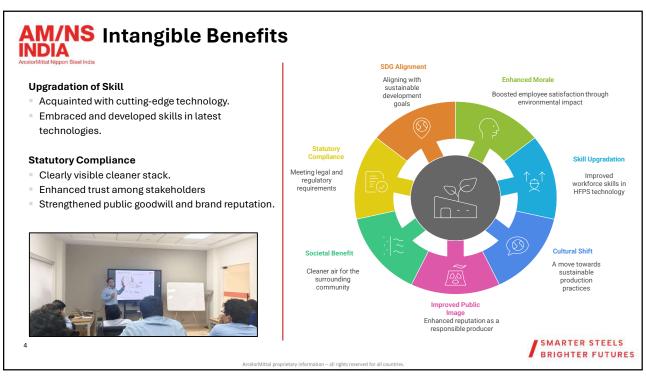
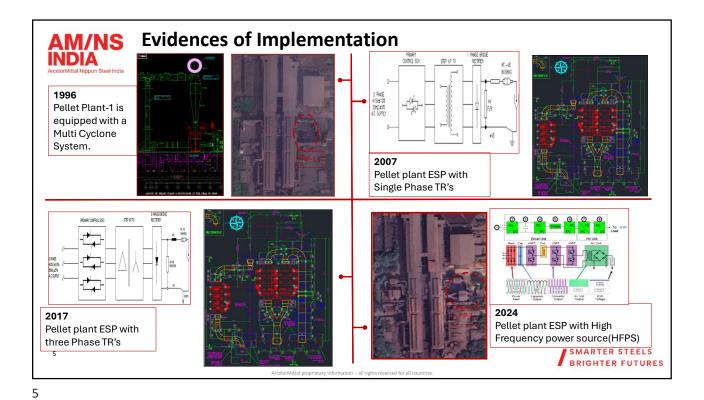


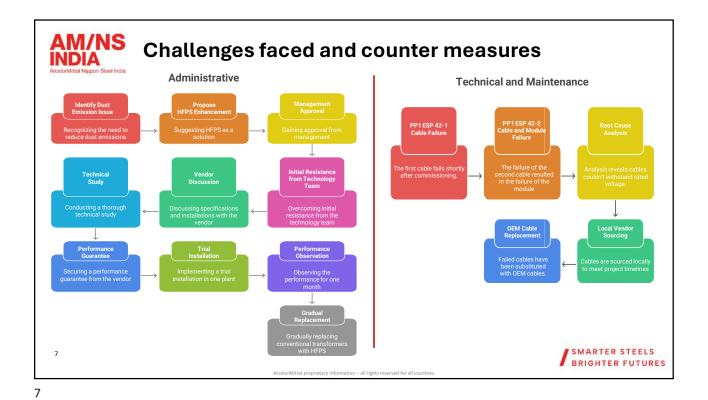
Trigger of the Project : -INDIA The aim is to reduce stack emissions w.r.t current level of 50 mg/Nm3 to 30 mg/Nm3 within the existing footprint of Electrostatic Precipitator (ESP). Conceptualized in CY-2023 at the time of expansion plan of New Pellet plant-III. Project initiated on Jan -2024 & completed on 30<sup>th</sup> March 2025. **Uniqueness Project Timeline** Project Cost: ₹ 6.25 Crores (₹) Put up into Operatio Commissioning Q4 CY-2 Q3 CY-202 Q4 CY-2023 Q2 CY-2023 Q1 CY-2023 SMARTER STEELS BRIGHTER FUTURES







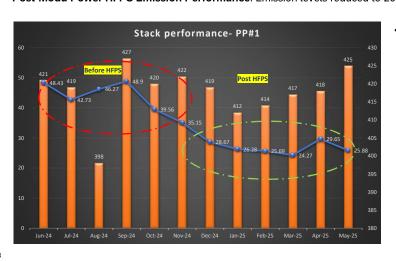
AM/NS INDIA **Replication Potential of Project within sector** Intra plant Knowledge Sharing **ESP Replication Potential** Extension of HFPS-based technology upgrade to Pellet Plant-2 ESPs. Presentations Implementation Documentation Case Study Roadmap Showcasing project timely adoption and minimal deviation. At industry Upgrade CPP boiler Captive Power Plant 🗒 🖓 💆 Assimilation of the project In-depth Study Analyze innovation and project plan Roll-out across all Long-term Plan Successful Execution Implement New Technology High Dust Emission Low Dust Emission SMARTER STEELS BRIGHTER FUTURES



AM/NS

## **Achieving National Benchmarks and Standards**

Post-Modu Power HFPS Emission Performance: Emission levels reduced to 20-30 mg/Nm³ across all operating loads.



The pellet plant's stack emission performance improved significantly after adopting the HFPS system, with stringent emission norms of 30 mg/Nm3, demonstrating compliance with national environmental standards while maintaining steady production.



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