



## SIEMENS

# Hon'ble Prime Minister Shri. Narendra Modi flags off first of the new D9 – 9000 HP electric locomotive

**One of the most powerful freight locomotives in the world**

**Approximately 90% of the technologies in the locomotives are made in India  
800 million tons of CO2 emissions to be saved over lifecycle.**

Hon'ble Prime Minister of India Shri. Narendra Modi flagged off first of the new D9 – 9000 HP electric locomotives at Indian Railways' factory in Dahod, Gujarat. Following the award to Siemens for the design, engineering, manufacturing and maintenance of 1,200 locomotives of 9000 horsepower (HP) electric locomotives, Siemens' factories in Nashik, Aurangabad and Mumbai have been manufacturing critical components for this project, with final assembly, testing and commissioning performed at the Indian Railways' factory in Dahod. The state-of-the-art Dahod facility, constructed in a record time of less than two years, incorporates cutting-edge

features including Virtual Reality-based (VR) safety training, a locomotive simulator and locoshunters for efficient carriage movement.

Sunil Mathur, Managing Director and Chief Executive Officer, Siemens Limited, said, "Siemens Limited takes pride in partnering with Indian Railways in this prestigious project. Together with the Indian Railways, we have been able to construct a world-class factory and approximately 90% of the technologies are made in India for the 9000 HP electric locomotive. The introduction of these advanced locomotives is crucial to realizing the Government of India's aspiration to elevate railway's share in freight movement from 27% to around 45%. This is a commendable achievement for both Indian Railways and Siemens, and I congratulate and thank all the stakeholders who have enabled this significant milestone. We are delighted and honored that the Hon'ble Prime Minister Shri.

Narendra Modi flagged off the first electric locomotive manufactured in this world-class factory."

Each of the 1,200 locomotives of 9000 HP has a maximum speed of 120 km/h. The locomotives, which have a haulage capacity of 5800 tons, are designed to transport freight efficiently across India's vast rail network.

Siemens will also perform the maintenance for the entire lifespan of 35 years for these locomotives. The locomotives are equipped with Siemens' Railigent X platform for predictive maintenance, ensuring highest availability and performance. The advanced digital tracking systems, the Kavach safety system, and green propulsion technology, make these locomotives a beacon of modern rail transport.

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