

Siemens Ltd. wins combined order worth Rs. 319 Crore from Diesel Locomotive Works

- **Scope of the order includes supply of Alternating Current Traction system for Dual Cab High Horsepower Diesel Engine locomotive and propulsion sets for Freight and Passenger Locomotives of Indian Railways**
- **Siemens looks forward to further enhance and unearth value proposition for its customers through digitalization**

Siemens Ltd. announced that, it has won an order worth approximately Rs. 98 crore from Diesel Locomotive Works (DLW) to design, supply and install 48 Alternating Current (AC) Traction systems for Dual Cab High Horsepower Diesel Engine locomotive for Indian Railways. The AC Traction systems will be produced at Nashik Factory of Siemens Limited. The systems have been developed based on the state of art Insulated Gate Bipolar Transistors (IGBTs) technologies. The principle benefit of IGBTs over Gate Turn-off thyristors (GTOs) is that it reduces the current required and therefore the heat generated, giving smaller and lighter units.

In addition, Siemens was also awarded orders worth Rs. 166 crore for supply of propulsion sets for Freight Locomotives and Rs. 55 crore for supply of propulsion sets for Passenger Locomotives. These propulsion systems consist of basic AC-AC propulsion system along with added components such as APU, REMLOT & DPCS. Components such as REMLOT & DPCS capture the locomotive information in digital manner and provide additional value to the customer such as remote monitoring of locomotive, control of two locomotives from one loco cab and preventive maintenance. APU reduces the fuel losses during locomotive idling periods and brings energy efficiency to Railway Operation.

“The advent of IGBTs has yielded strong efficiency gains in electric drive technology. The project showcases Siemens’ partnership with the Indian Railways as it combines

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Reference number: CC/PR/04/MO 01 2017

innovation with responsibility to bring together the combined expertise of its teams, that is committed to deliver reliable, safe and efficient technologies,” said Tilak Raj Seth, Executive Vice-President, Siemens Ltd. and CEO, Mobility Division in Lead Country India.

“We have been able to secure orders for Propulsion Sets on the strength of our digitalization portfolio. Siemens has been able to deliver these added values to the customer based on the strength of its engineering capability and looks to further enhance and unearth value proposition for its customers through digitalization,” added Mr. Seth.

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Siemens Limited focuses on the areas of electrification, automation and digitalization. It is one of the leading producers of technologies for combined cycle turbines for power generation; power transmission and distribution solutions; infrastructure solutions for Smart Cities and transportation; automation and software solutions for industry, and also supplier of healthcare equipments. Siemens Ltd. has 22 factories located across India and a nation-wide sales and service network. Siemens Limited, in which Siemens AG holds 75% of the capital, is the flagship listed company of Siemens AG in India. As of September 30, 2015, Siemens Limited had Revenue of INR 106,728 million and 10,168 employees.

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