

## Siemens-powered Rapid Metro Rail Gurgaon begins operations

Siemens Infrastructure & Cities Sector has delivered the core rail systems of the Rapid Metro Rail Gurgaon project. This has enabled Rapid Metro Rail Gurgaon Limited to commence passenger operations on the six-kilometer metro line in Gurgaon, connecting cyber city to the Delhi Metro rail network through an interchange station at Sikandarpur.

As part of the contract, Siemens was to equip Rapid Metro Rail Gurgaon with aluminum body trains, modern train control system, 750 V DC traction power supply along with a third-rail system for current collection. The complete interface management and system integration form an integral part of the solutions Siemens has provided for Gurgaon Metro.

“Rapid Metro Rail hopes to fulfill the aspirations of millions by improving connectivity and becoming the preferred means of travel. The technology from Siemens is safe, reliable, and efficient, and the test runs were completed without any glitches. We are extremely pleased with the partnership as it is our mutual goal to provide state-of-the-art infrastructure solutions to India” said Sanjiv Rai, Chief Executive Officer and Managing Director, Rapid Metro Rail Gurgaon Ltd.

“Rapid Metro Rail is a landmark public transportation project and has given us an opportunity to prove our prowess as technology partner to provide state of the art transportation solutions on turnkey basis. Supporting infrastructural development in India through such projects resonate our vision of transforming cities for the better through sustainable technology.” said Mr Tilak Raj Seth, Executive Vice-President and Country Sector Lead, Infrastructure and Cities, Siemens Ltd.

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The trains run on standard-gauge track and can achieve top speed of about 80 km/h. The modern signaling and train control system ensures that if required the service interval of 2 minutes can be achieved during rush-hour traffic. This short headway will enable the metro trains to transport more than 20,000 passengers per hour.

Safe and reliable operation was achieved by the Sicas ECC type electronic interlocking, the LZB 700 M automatic train control system with ATP (Automatic Train Protection) and ATO (Automatic Train Operations), as well as the Vicos OC 501 ATS (Automatic Train Supervision) system. To fully electrify the line, Siemens has installed substations, auxiliary sub stations, traction substations and 750VDC current collection system.

Earlier in August 2013, Siemens Infrastructure & Cities Sector had also won an order for Phase II of the Rapid Metro Rail Gurgaon project.

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