HMRL's ₹120 cr multi-level automated parking facility getting ready in Nampally

MD N.V.S. Reddy says facility being built under HMRL's supervision via PPP model by firm 'Novum'; states it's the first of its kind in India and ranks among most advanced parking complexes globally

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Hyderabad Metro Rail Ltd (HMRL) is giving final touches to the ₹120 crore fully automated multi-level parking system—one of its kind globally— under construction in the heart of Hyderabad at Nampally. Managing Director N.V.S. Reddy informed on Sunday that the facility will be made available to the public soon after receiving final approvals from various government departments.

The MD, who inspected the site, explained that the facility is being built under HMRL's supervision through a Public-Private Partnership (PPP) model by the firm 'Novum'. The project is using Germany's advanced 'Palis' technology for a fully automated puzzle parking system. It is the first of its kind in India and ranks among the most advanced parking complexes globally.

Constructed on 2,000 square yards of HMR land under a 50-year concession, the project has been developed with private in-

HMRL Managing Director N.V.S. Reddy inspecting the automated parking facility nearing completion at Nampally on Sunday.

vestment by entrepreneurs Harikishan Reddy and Bhavana Reddy. The complex comprises 15 floors, including three basements and seven upper floors, making up 10 dedicated parking levels. In addition, five floors have been allocated for commercial activities to make this project commercially viable.

The complex also houses two well-equipped cinema theaters and a city-viewing gallery on the 11th floor. It can accommodate 250 cars and 200 two-wheelers, he said. The automated puzzle parking system operates entirely via sensors with zero human intervention. It automatically categorizes vehicles—SUVs, sedans, and small cars—and parks them on designated floors.

Unlike mechanical parking systems in Delhi and Mumbai, this system works without pallets, making parking smoother and more efficient. The entry and exit terminals are spacious and smart, with flat turn-tables that cater to the needs of elderly individuals, women, and differently-abled users, said Mr. Reddy.

Vehicles can be left on the turntable at any angle, and the turntable rotates 360 degrees to position them correctly. The user experience is designed to be seamless and innovative. Upon arrival, users receive an entry ticket with a QR code (smart card) that guides them to the terminal. Swiping the card at the terminal gate opens the gate. The user then keeps the car on the turntable, applies the handbrake, turns off the engine, and exits.

Swiping the card outside initiates the parking process. The system scans the vehicle, classifies it, and parks it on it's own accordingly. To retrieve the vehicle, the user pays the fee at the counter, swipes the card at the I/O terminal, and the vehicle returns to the user from the parking platform.