



दक्षिण रेलवे/Southern Railway
चेन्नै मंडल/Chennai Division

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प्रेस विज्ञप्ति /PRESS RELEASE

**SOUTHERN RAILWAY GM INAUGURATES CREW FRIENDLY DUAL MODE
“PRAKRITI TOWER CAR” OF CHENNAI DIVISION**

Chennai Division of Southern Railway has inducted a Crew Friendly Dual Mode “**PRAKRITI TOWER CAR**” (Modified EMU MC No 12092 with TC No 12618 coach) on 22nd December 2021 at Puratchi Thalaivar Dr. MGR Chennai Central Railway Station at Platform No.6. Shri. John Thomas, General Manager of Southern Railway graced the occasion as Chief Guest and inaugurated the crew friendly tower car.

Shri. John Thomas, General Manager, Southern Railway announced award to the employees of EMU Car Shed, Avadi for the meritorious and noteworthy project. On this occasion Shri. B.G Mallaya, Additional General Manager, Shri. Ganesh, Divisional Railway Manager, Chennai and Additional Divisional Railway Managers, Electrical Officers and staff of EMU car shed, Avadi present in the Inaugural function.

The EMU Car Shed, Avadi has converted an old EMU motor coach into OHE cum battery powered tower car for OHE inspection, maintenance and hotline monitoring. This eco-friendly and cost effective model has been fitted with 2 sets of 110V, 1100AH, VRLA Batteries (used in 3-tier AC coaches). It can be operated either in OHE or Battery mode by operating a spring loaded switch provided in BL box within 5 seconds. The old EMU coaches have been suitably modified to suit various requirements such as the provision of an overhead inspection boom, bio-toilet, tool cabinets, crew rest area etc. Safety appliances such as an OHE indicator are also provided.

The Tower Car will be able to run for 11 Hrs in half power and 3.5 Hrs in full power. The tower car is provided with a dual bank of lead acid batteries for propulsion and the circuit design is such that excess load on the batteries is prevented through protection devices.

FEATURES OF PRAKRITI TOWER CAR

- Swiveling type lifting platform with 10KVA DG set is provided.
- Vestibule passage is provided between the two coaches
- Holders are provided for storage of contact and catenary wires.
- Observation dome with test pantograph is provided for OHE inspection
- Workshop equipped with drilling machine, bench wise pigeon hole cupboard is provided
- OHE mast storage supports are provided
- Roof ladder with OHE indication lighting
- Both end driving with vestibule
- Max speed 96kmph in OHE mode, 48kmph in battery mode
- Very less maintenance compared to conventional Diesel Tower Car

Sd/-

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जनसंपर्क अधिकारी / Public Relations Officer

चेन्नै मंडल/Chennai Division

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