

## OKKIYAM MADUVU BRIDGE EXPANSION UPDATE

CMRL expanded the Okkiyam Maduvu Bridge to improve flood resilience, waterway flow, and connectivity in the Pallikaranai marsh area. The existing bridge, with a restricted waterway of 90m and low vertical clearance, had proved inadequate during the floods triggered by Cyclone Michaung in December 2023. Based on consultations with the Government of Tamil Nadu and the Water Resources Department, it was decided to construct a new bridge with an expanded waterway of about 205m width and an additional 1.5m vertical clearance.

### AS OF SEPTEMBER 2025, SIGNIFICANT PROGRESS HAD BEEN ACHIEVED:

- ▶ **Bridge Structure:** Fabrication of the steel bridge and casting of the deck slab for the composite construction of three 40m spans were completed on both the upstream and downstream sides of the existing bridge.
- ▶ **Enhanced Waterway:** The available waterway was expanded from 90m to 120m, with two more spans under construction to achieve the full 205m width.
- ▶ **Waterway Clearance:** Temporary earth fills were removed, enabling full clearance on the upstream side and about 80% clearance downstream. The final section was scheduled for clearance between 8th and 10th September 2025.

Works on the approach spans on both sides are progressing steadily, after which the new bridge will be integrated with the existing road network to further ease connectivity in the region.

**Thiru M.A. Siddique, I.A.S., Managing Director, CMRL**, inspected the works being undertaken at the Okkiyam Maduvu waterway. **Thiru T. Archunan, Director (Projects), CMRL**, **Thiru C. Selvam, General Manager (Tracks), CMRL**, along with senior officials and staff of CMRL, were present during the inspection.





## U-GIRDERS PLACED SUCCESSFULLY AT VADAPALANI, CORRIDOR -4

A remarkable engineering milestone was achieved at Vadapalani during the construction of Corridor 4 of Phase 2. The new alignment crossed over the existing Phase 1 Corridor 2, at a junction that already accommodated a busy flyover and an operational elevated metro line.

To integrate Corridor 4, the new viaduct was constructed at the third level, ensuring adequate clearance for the overhead traction system. The 45-metre obligatory span of the Phase 1 corridor presented a major structural challenge. Conventional crane erection was not feasible due to heavy traffic and the presence of the operating line.



To overcome this, the Launching Girder methodology was adopted for the safe erection of U-girders over the critical span. A special extended pier cap was designed to support the span, measuring 23m in length, 10.46m in width, and 3.5m in depth, with a concrete volume of 470 cubic metres and an overall weight of approximately 1,200 MT. Despite spatial and utility constraints, the pier cap construction was completed in a record time of just two months following utility shifting.

Given the higher rail level, the Vadapalani Metro Station (Corridor-4) features a three-level structure: Commercial Level, Concourse Level, and Platform Level.

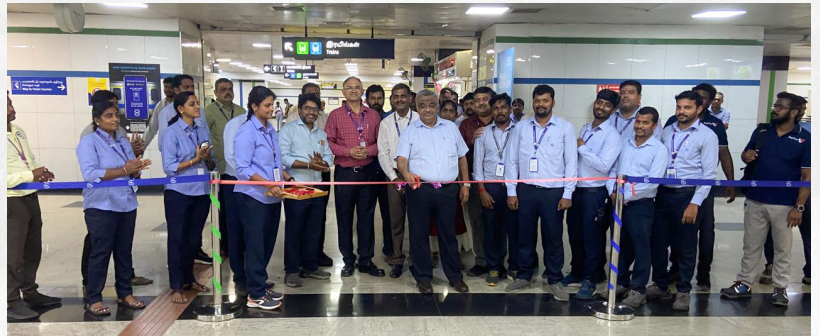




# Lost & Found Office Inaugurated at Chennai Central Metro

CMRL has inaugurated a dedicated Lost and Found Office at Puratchi Thalaivar Dr. M.G. Ramachandran Central Metro Station to enhance commuter convenience.

The office was inaugurated by **Thiru. Manoj Goyal, Director (System & Operations)**, CMRL, in the presence of Thiru. Gopinath Mallaya, Chief Advisor (O&M), Thiru. S. Satheesh Prabhu, GM (O&M), and senior officers from Operations & Systems.



Previously, lost articles were returned through individual stations, with 74% successfully reunited with their owners. The new centralized facility allows passengers to conveniently retrieve lost belongings from a single location, improving accessibility and passenger experience.







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