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Press Release

Chennai Metro Phase-2 Project Achieves Major Milestone: 100% Piling and U-Girder Casting Completed for OMR Stretch Corridor-3

Chennai Metro Rail Limited has reached two major construction milestones on Corridor-3 (Madhavaram – SIPCOT) under Phase-2 Project Contract Package C3/EV-01 executed by Larsen & Toubro, the project team successfully completed 100% of the piling works—totaling 3,066 piles—between Nehru Nagar and Sholinganallur along Old Mahabalipuram Road (OMR).

Additionally, the project achieved a perfect record in structural casting, completing all 582 precast prestressed U-Girders. To commemorate the final U-Girder cast, senior officials including Thiru. T. Archunan, Director (Projects), CMRL, Thiru. C. Selvam, General Manager (Track), and Thiru. Tony Burchell (Team Leader, General Consultant NKAB) visited the Semmancheri precast yard to ceremonially pour the final concrete batch.

Executing round-the-clock piling works along the bustling OMR corridor required navigating live traffic conditions through meticulous, stage-wise construction planning. This was especially critical at the major junctions of Thoraipakkam and Sholinganallur, where the project integrates two Metro stations with TNRDC flyovers while maintaining uninterrupted traffic flow. Despite these severe logistical constraints, the team achieved a peak productivity of 185 piles in October 2023. Furthermore, when faced with highly resistant hard rock strata at Sholinganallur, the project successfully overcame the geological challenge through optimized engineering methodologies and the strategic deployment of specialized equipment.

The successful casting of all 582 precast prestressed U-Girders which includes both 30-meter viaduct girders and 17.5-meter station girders was driven by the establishment of a dedicated 35-acre casting yard at Semmancheri by L&T. Through meticulous planning across every stage of the precast process from mould fabrication and prestressing to rigorous quality control the team achieved a peak production of 40 U-Girders in December 2024. This achievement, combined with the completion of all piling works, marks a major step toward delivering Chennai Metro Phase-2 Corridor-3 on schedule, ultimately providing safer, more reliable, and sustainable

urban transit along the OMR corridor. CMRL extends its sincere gratitude to local residents, commuters, and stakeholders for their continued patience and cooperation during this complex construction phase, and remains fully committed to delivering the project safely and with minimal public disruption.

**Issued By: Additional Director / Public Relations Officer
CMRL, Chennai – 600 035.**