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Press Release

TBM Kaveri Breakthrough at Adyar Junction Station

Chennai Metro Rail Limited is in the process of implementing the much - anticipated Phase 2 project across Chennai City in full swing with three corridors for a total length of 116.1 km.

In Corridor 3, the tunnelling works from Greenways station to Adyar junction station commenced in February 2023. The length of each tunnel is 1228m. The tunnels pass below Adyar River for a length of 300m with an overburden of 10-13m. Two Earth Pressure Balancing (EPB) TBM's namely 'Kaveri' and 'Adyar' are engaged for this work. Kaveri successfully completed the tunnel drive and TBM breakthrough at Adyar shaft. This TBM has passed mixed geological conditions like bottom of the tunnel is rock and top of the tunnel is sand. TBM also tunnelled through full-faced hard rock below some portion of the Adyar River. TBM underwent 65nos cutter head interventions (CHI) to replace cutting tools in the TBM face and consumed 178days for CHI. The TBM also passed below a few Petrol bunks, MGR Janaki college, Andra Saba Hospital, Durgabai Deshmukh road and Adyar bridge ramp. The 2nd TBM 'Adyar' is currently 277m away from the Adyar shaft and expected to reach Adyar shaft by November 2024.

Thiru T. Archunan, Director Projects of CMRL, Thiru. Anto Jos Menachery, GM CIVIL UG, Thiru. M.Ravichandran, GM CIVIL UG, Thiru. Tony Burchell Team Leader of GC, Thiru. Sanjeev Mandal, CRE NKAB, Thiru. Jayaram, Project Director of L&T, Thiru. Ahmet, Project Manager L&T, Thiru. Alan Charles May, NKAB Tunnel expert other officials of CMRL and General Consultant were present during the event.

**Issued By: Joint Director / Public Relations Officer
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