



metro Digest

NOVEMBER - 2023 - VOL - 11

TBM Podhigai (S97) Breakthrough at Madhavaram High Road on November 2, 2023

Chennai Metro Rail Limited expanded the city's metro network in Phase II after completing Phase I and Phase I Extension Corridors. JICA, ADB, AIIB, and NDB contributed funding to the project, which involved three corridors spanning 116.1 km. Corridor 3, which extends 45.4 km from Madhavaram Milk Colony to Siruseri - Sipcot, runs from north to south and has 28 underground and 19 elevated stations.

The tunnel construction for the initial 9 km underground section of Corridor 3 from Madhavaram Milk Colony to Kellys is being executed through **M/s.Tata Projects Limited**, mobilising 7 TBM's* for the works. The TBM Podhigai (S97) tunnel drive started on 18.01.2023, from Madhavaram Milk Colony Station to Madhavaram High Road, covering a bored tunnel length of 1.4 km and breaking through at Madhavaram High Road on 02.11.2023. Officials and staff of CMRL, GC, and Tata Projects were present during the event.

DID YOU KNOW?

TBM – Tunnel Boring Machine - A tunnel boring machine, also known as a "Mole", is a machine used to excavate tunnels. Tunnels are excavated through hard rock, wet or dry soil, or sand, each of which requires specialized technology.



PHONEPE TICKETING SERVICE NOW AVAILABLE FOR CHENNAI METRO RAIL COMMUTERS

CMRL has partnered with Phonepe to launch Digital QR-based ticketing for metro travellers. Passengers can book tickets on the PhonePe Switch platform, with a 20% discount. The system was launched on November 17, 2023, at MetroS, Nandanam, Anna Salai.

The primary objective was to enable the booking of single-trip tickets, with the other two services soon to follow. The convenience of obtaining e-tickets for up to six people from a single device makes it easy for commuters to enter and exit Metro stations smoothly.



Collaborative Success: 2 Rolling Stock Supplementary Contract Agreement signed between Chennai Metro Rail Limited and Alstom Transport India Limited



On November 27, 2023, **CMRL** signed a supplementary contract agreement with **M/s. Alstom Transport India Limited** for the supply of an additional 10 train sets, each comprising a 3-car formation (30 cars) of Driverless (UTO-Unattended Train Operation). The total value of this supplementary contract was ₹269 Crore, inclusive of taxes and duties.

The agreement was signed by **Thiru. Rajesh Chaturvedi, Director** (Systems and Operations), CMRL and **Thiru. Rajeev Joisar, Commercial Director** – India & South Asia, Alstom Transport India Limited. **Thiru. A.R. Rajendran, CGM (RS), Senior Officials** and Staff of CMRL and **Alstom Transport India Ltd** were present during the occasion.

This agreement was executed under the provisions of the ARE-03A contract, which had been awarded to **M/s. Alstom Transport India Limited** on November 17, 2022. The ARE-03A contract entailed the supply of 26 numbers of Driverless (UTO – Unattended Train Operation) train sets, each consisting of a 3-car formation (totaling 78 cars). With the signing of the supplementary agreement, the number of trains ordered with **M/s. Alstom Transport India Limited** became **36 trains of 3-car formations (totaling 108 cars)**.

CONTRACT AGREEMENT SIGNED FOR COMPREHENSIVE MAINTENANCE SERVICES FOR THIRU.VI.KA. PARK LOCATED AT SHENOY NAGAR METRO STATION.






CMRL signed the Contract Agreement for maintenance work at Thiru.Vi.Ka. Park with M/s QuessCorp Limited for a value of Rs. 4.59 Crore. The overall scope of work involves maintaining the water supply and drainage systems in the park, including regular inspections, cleaning, and maintenance, as well as prompt repairs for any damages or malfunctions.

In the presence of **Thiru. T.Archunan, Director (Projects)** of CMRL, the Contract Agreement was signed by **Tmt. Rekha Prakash, Chief General Manager (PD)** on behalf of CMRL and **Thiru. Rameshkarthik Gunasekaran – State head (Tamil Nadu)** on behalf of **M/s Quess Corp Limited**. **Thiru. D. Jebaselwin Gladson, GM (CM & CP), Thiru. Thangaraj, Consultant (CM)**, Officials from CMRL, and the contractor were present during the occasion.

CHENNAI METRO RAILWELL PREPARED TO TACKLE NORTH-EAST MONSOON SEASON

On November 4, 2023, CMRL had taken several precautionary measures and deployed water pumps of various capacities across the construction sites to address water stagnation and dewater flooded area. These Pumps were deployed in all three corridors of the phase-2

-  145 water pumps were deployed in Corridor 3
-  102 water pumps were deployed in Corridor 4,
-  103 water pumps were deployed in Corridor 5, motor capacity.

CMRL Formulated a 1.25 lakh litre Panagal Park sump constructed by CMRL and then diverted to the Nandanam Canal. CMRL worked closely with the Greater Chennai Corporation to ensure that the city was well-prepared for the Monsoon season. CMRL was committed to the safety and well-being of its passengers and the public.



CELEBRATING SUSTAINABLE EXCELLENCE CHENNAI METRO RAIL'S TRIUMPHS IN GREEN INITIATIVES

In a momentous stride towards sustainability, Chennai Metro Rail Limited (CMRL) has been recognized with prestigious awards for its commitment to environmentally friendly practices.

SUSTAINING GROWTH ONE STEP AT A TIME

Recognizing CMRL's pioneering efforts in green MRTS, the Indian Green Building Council honored the organization with the Green Champion Award on November 24, 2023, during the Green Building Congress at Chennai Trade Centre. **Thiru. T. Archunan** received the award, reaffirming CMRL's commitment to sustainable transit solutions.



GREEN APPLE AWARDS 2023 - GOLD IN CARBON REDUCTION

In a global spotlight, CMRL clinched the Gold in the **Green Apple Awards 2023** under the Carbon Reduction category. **Dr. Rajeev K Srivastava**, IFS (Retd.), Chief Advisor (Environment), CMRL, accepted the accolade in a ceremony held at the Palace of Westminster, London, on November 20, 2023. This recognition highlights CMRL's international standing in environmental best practices

These accomplishments emphasize CMRL's role as a trailblazer in integrating environmentally conscious approaches into transportation infrastructure. These awards serve as a motivating force, propelling us to persist in our pursuit of excellence and a sustainable future.



IGBC GREEN MASS RAPID TRANSIT SYSTEM (MRTS) CERTIFICATION

The Indian Green Building Council (IGBC), a part of the Confederation of Indian Industry (CII), has been driving sustainable development since 2001. CMRL, aligning with these principles, achieved Platinum ratings for 40 metro stations (21 elevated and 19 underground) in Phase 1 & Extension. **Thiru. T. Archunan, Director (Projects)**, CMRL, proudly accepted the award during a ceremony at Chennai Trade Centre on November 25, 2023.

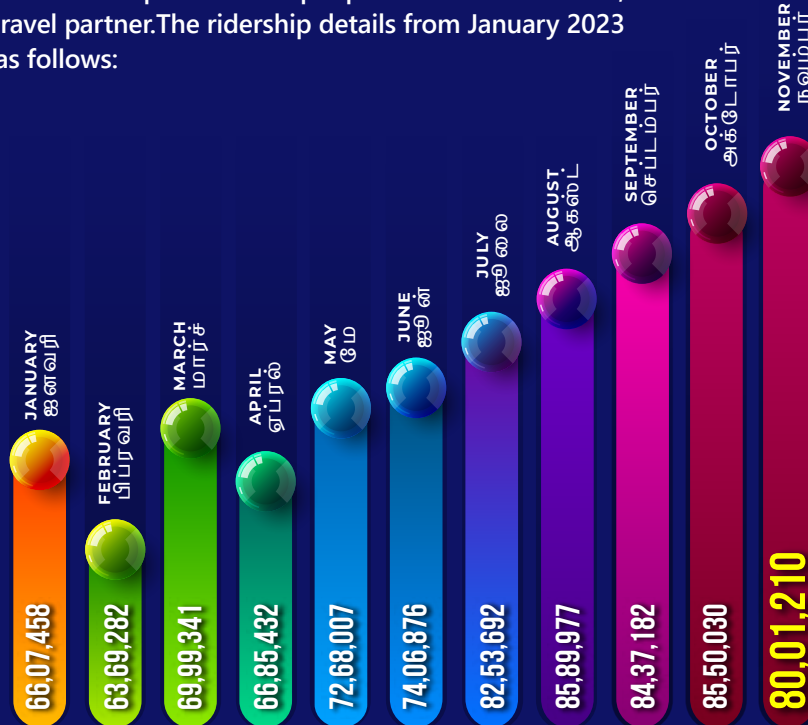
WALKATHON HELD AT THIRU. VI.KA PARK, SHENOY NAGAR ON THE OCCASION OF AYURVEDADAY CELEBRATION

A Walkathon was held on Ayurveda Day at Captain Srinivasa Murthy Central Ayurveda Research Institute in **Thiru.Vi.Ka Park, Shenoy Nagar**. Medicinal plants with medicinal properties were distributed to the public. **Tmt. Rekha Prakash**, CGM (Planning & Design), inaugurated and participated in the Walkathon. The event, titled "Ayurveda for One Health - Ayurveda for Everyone on Every Day," was attended by **Dr. R. Elavarasan**, **Assistant Director**, and **Thiru. K.R. Thangaraj**, DGM (Contract Management) at CMRL, along with senior officials and staff of CMRL and the Research Institute, were also present during the event



PASSENGER TRAFFIC RECORDS STEADY GROWTH IN NOVEMBER, 2023 IN CHENNAI METRO RAIL OVER 80 LAKH PASSENGERS TRAVELLED DURING THE MONTH OF NOVEMBER

CMRL has always endeavored to provide the people of Chennai a safe, efficient and a reliable travel partner. The ridership details from January 2023 to November 2023 are as follows:



November 10 2023 recorded the highest passenger flow for the month, with 3,35,677 passengers.

In the month of November 2023 a total of 80,01,210 passengers have utilised the QR Code ticketing system (Online QR – 1,99,218; Static QR – 1,46,485; Paper QR – 24,37,942; Paytm – 2,34,981; Whatsapp – 2,11,758; Phonepay – 3,321), 39,98,883 passengers have used Travel Card Ticketing System, 56,502 passengers have used Token System, 3,769 passengers have used Group Ticketing System and 7,08,351 passengers have used **NCCM Singara Chennai Card**.



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EDITOR

Rajesh Chaturvedi, Director (S&O)

SUB EDITOR

L. Girirajan, JD (PR) | R. Shruti Shambavi, DM (PR)

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CHENNAI METRO RAIL LIMITED,

MetroS, Annasalai, Nandanam, Chennai - 600 035.

HELP LINE: 1860-425-1515 | EMAIL: chennaietrorail@cmrl.in

Connect with Us :



@cmrlofficial



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www.chennaietrorail.org

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