

M/S VOLTAS LIMITED HAS BEEN AWARDED A CONTRACT FOR CMRL PHASE II CORRIDOR 4 WORTH RS. 134.9 CRORES



CMRL had recently floated a tender for Contract No. CMRL/PHASE-II/SYS/C4-E&M-05/2022: Supply, Installation, Testing, Commissioning and Training of Electrical, Fire Protection and Ventilation Air-conditioning works for 18 Elevated Stations from Kodambakkam Powerhouse Station to Poonamallee Bypass Metro Station including viaduct between the Stations (Ch 10027.102 to Ch 25928.186), Approach Ramp, including Poonamallee Depot for Corridor 4 of Chennai Metro Rail Project Phase-II.

This work will provide the Electrical and Maintenance works in the Poonamallee Depot and 18 no's of Elevated Stations in Corridor 4. The tender was awarded to M/s Voltas Limited for an amount of Rs 134.9 Crores.

The Contract agreement was signed by Rajesh Chaturvedi, Director (Systems and Operations), CMRL and Jayant Deshpande, Business Development Head, Voltas Limited at MetroS, Nandanam, Chennai. Advisor S. Ramasubbu (O&RS), K. Ravi Kumar JGM (E&M), H.Abbas Manager (E&M), Biplab Chattopadhyay - National Head Voltas, along with senior officials of CMRL and Voltas Limited were present during the occasion.

FACTORY ACCEPTANCE TEST OF 1ST TUNNEL BORING MACHINE FOR CORRIDOR 4, UG - 01

Chennai Metro Rail Limited (CMRL) has been implementing the construction of Underground Metro Rail Project Corridor 4 from Light House Station at Marina Beach to Kodambakkam Flyover. This corridor's underground portion is split into two packages (UG-01 & UG-02), each of which contains four kilometres of twin tunnels. In order to complete the approximately 16 km of tunnelling, four Tunnel Boring Machines (TBM) have been planned, taking into account both Upline and Downline tunnels.

These Tunnel Boring Machines, manufactured by the reputable German company M/s Herrenknecht, a pioneer in the production of TBM's for various types of tunneling, will be used by CMRL's contractor M/s ITD Cementation India Limited. At the HK factory in Thiruvallur District, Ponneri Thaluk, Alinjivakkam Village, Chennai, the factory acceptance test of the first tunnel boring machine was successfully completed in the presence of CMRL Director of Projects Thiru. T. Archunan, Tmt. Rekha Prakash, CGM (PD), and various officers from General Consultants, M/s AEON Consortium

The name of this 1st Tunnel Boring Machine is S1073B which is a 6.670 M bore diameter and 110 m long Earth Pressure Balance Machine. The total weight of this machine is approximately 700 MT which will now be dismantled in parts, packed and transported to its destination at Light House Station, Marina Beach.

The construction of the TBM launching Shaft is in progress at Light House Station and is expected to be ready to receive the TBM in the month of May 2023. This TBM will be launched in Downline of this corridor-4 and will mine at a maximum depth of 29 m below ground starting from Light House, Kutchery Road, Thirumayilai, Alwarpet, Bharatidasan and finally scheduled to arrive at Boat Club in May 2025.



15 TUNNEL BORING MACHINES NAMED AFTER MOUNTAINS AND RIVERS WILL BE USED ON THE CMRL PHASE 2 PROJECT CORRIDOR-3.

The construction of elevated and underground work for the Chennai Metro Rail Phase 2 Project, Corridor 3 from Madhavaram Milk Colony to Siruseri SIPCOT, is now underway. This corridor's subterranean section is separated into two packages (C3-TU01 & C3-TU02). The Tunnel Boring Machines utilised in Chennai Metro Rail Project Phase 2's Corridor 3 are named after Mountains and rivers. The names of Tunnel Boring Machines utilised on this route are as follows:

S.No	From	To	TBM Name
Corridor 3-TU 01			
1	Madhavaram Milk Colony	Madhavaram High Road	Nilgiri
2	Madhavaram Milk Colony	Madhavaram High Road	Podhigai
3	Madhavaram Milk Colony	Venugopal Nagar	Anaimalai
4	Madhavaram Milk Colony	Venugopal Nagar	Servarayan
5	Ayanavaram	Perambur	Kalvarayan
6	Ayanavaram	Perambur	Melagiri
7	Ayanavaram	Otteri	Kolli
Corridor 3-TU 02			
1	Greenways South	Adyar Junction	Kaveri
2	Greenways South	Adyar Junction	Adyar
3	Greenways North	Mandaveli	Noyyal
4	Greenways North	Mandaveli	Vaigai
5	Chetpet South	Sterling	Siruvani
6	Chetpet South	Sterling	Palar
7	Chetpet North	KMC	Bhavani
8	Chetpet North	KMC	Thamirabharani

A DETAILED PROJECT REPORT (DPR) FOR THE MADURAI METRO RAIL PROJECT WILL BE PREPARED IN 75 DAYS

Chennai Metro Rail Limited (CMRL) has submitted the Detail Feasibility Report (DFR) for Madurai MRTS to Government of Tamil Nadu. Government has asked CMRL to prepare the Detailed Project Report (DPR). Based on which CMRL has floated a tender for preparation of DPR for Mass Rapid Transit System (MRTS) construction in Madurai City. The Phase-I project is planned for a distance of 31km (from Thirumangalam to Othakadai) with 18 stations.

DPR will be ready in 75 days after finalising the agency and shall include the details of station type, cost break-up, implementation strategy and social & economic impact.

TUNNELING COMMENCED AT GREENWAYS ROAD STATION IN CORRIDOR 3 CONTRACT TU02 (KELLYS TO TARAMANI) OF PHASE -II CHENNAI METRO RAIL PROJECT

Chennai Metro Rail Limited has commenced the expansion of the Chennai city's metro rail network as part of Phase 2 after the successful completion of the Phase 1 and Phase 1 Extension Corridors in stages since June 2015 and the growing ridership in Corridors 1 & 2. Now, CMRL has ventured into an extensive infrastructure development in the city comprising of 3 more corridors of metro rail for a total length of 118.9 km

The Tunnel Boring Machine (TBM) was initiated at Greenways Road Station in Corridor 3 contract TU02 (Kellys to Taramani) on February 16, 2023. Larsen & Toubro is the contractor on the TU02 contract from Kellys to Taramani. There will be a total of 23 TBMs working in the Chennai city for building the extensive network of underground tunnels of Phase 2 which includes new TBMs imported for the works and TBMs remanufactured in India. These TBMs shall be launched and retrieved multiple times till completion from the shafts at various locations.

TU02 will need the utilization of eight TBMs (Kellys to Taramani). This Herrenknecht TBM (S 1027) will be tunneling from Greenways Road Station to Adyar Junction Station (1.226km). The TBM that is tunnelling has been named as Kaveri named after the river Kaveri. There is a convention of naming the TBM's used in projects. The next TBM from Green ways road is named as Adyar. The Kaveri TBM is scheduled to arrive at Adyar Junction in August 2023. This TBM will tunnel through DB Road, crossing the Adyar River near Thiru Vi. Ka. Bridge, and eventually arriving at Adyar Junction Station.



**Your
Satisfaction is
Our Motto**



**பிப்ரவரி
February**



63,69,282

**ஜனவரி
January**



66,07,458

**பயணிகள்
பயணம்
செய்துள்ளனர்**

**Passengers
Travelled**

**அதிகபட்சமாக
Maximum of**

2,61,668

**பயணிகள் மெட்ரோ இரயில்களில்
10.02.2023 அன்று பயணம் செய்துள்ளனர்
passengers travelled
in the Metro Train on 10.02.2023**



Cultural Festival at Central Square

Gift Vouchers and Rewards distributed to the 30 winners of Lucky Draw by Thiru. Rajesh Chaturvedi, Director (Systems and Operations), CMRL

As part of the Monthly Lucky Draw (21st December – 20th January 2022), 30 winners were selected and the prize distribution was held at Central Square. The Gift vouchers and rewards were distributed by Thiru. Rajesh Chaturvedi, Director (Systems and Operations), CMRL.

CMRL in association with Mark Metro will be conducting several Folk Art cultural programs at Central Square. Thiru. Rajesh Chaturvedi, Director (Systems & Operations) Chennai Metro Rail Limited, commenced the cultural programs at Puratchi Thalaivar Dr.M.G. Ramachandran Central Metro Station (Central Square Area) by playing the open hand traditional drums to indicate the start of the program.

Thiru. S. Satheesh Prabhu AGM (RSO), Mark Metro Managing Director Anantha Krishnan, Director Kumanan, Senior Officials and Staff of CMRL were present during the occasion.



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