

**Press Release**

**Factory Acceptance Test of 1st Tunnel Boring Machine for corridor 4, UG02**

CMRL's ambitious Phase II for a network of 118.9 km is a gargantuan feat undertaken at one stretch and a first of its kind in India with 128 stations in three corridors namely:

1. Corridor-3 (From Madhavaram to Siruseri -SIPCOT) – 45.8KM
2. Corridor-4 (From Light House to Poonamalee Bypass) – 26.1 KM
3. Corridor-5 (From Madhavaram to Sholinganallur) – 47 KM

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. The underground section of this corridor is split into two packages (UG-01 & UG-02) each of which contains 4 KM of twin tunnels. In order to complete the approximately 16KM of tunnelling, four Tunnel Boring Machines (TBM) have been proposed to execute the entire tunnelling of approximately 16 KM considering both Upline & Downline tunnels.

These Tunnel Boring Machines manufactured by reputable German company M/s Herrenknecht, a pioneer in the production of TBMs for various types of the tunneling needs, will be used by CMRL's contractor M/s ITD Cementation India Limited.

The Factory Acceptance Test of 2nd Tunnel Boring Machine which is 1st for UG-02 package is successfully done in presence of CMRL's General Manager (Construction) Mr. R Ranganathan and various officers from General Consultants, M/s AEON Consortium at HK factory in Thiruvallur District, Ponneri Thaluk, Alinjivakkam village, Chennai. The Factory Acceptance Test of 1st Tunnel Boring Machine of this underground corridor was conducted on 31.01.2023

The name of this Tunnel Boring Machine is S1074B 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 Panagal Park Station, T Nagar.

The construction of the TBM launching Shaft which is a part of X-Over structure is under progress at Panagal Park Station and is expected to be ready to lower and assemble the TBM in the month of October 2023.

This TBM will be launched in Downline of this corridor-4 and will mine at a maximum depth of 29 m below ground level starting from Panagal Park through Nandanam and finally scheduled to arrive at Boat Club by September 2024.

**Issued By: Joint Director / Public Relations Officer**

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