

5 YEARS AFTER BORING STARTED AT MAHIM METRO 3 TUNNELS TO BE READY IN 7 DAYS

Tunnelling for the Metro 3 line (Colaba-Seepz) will likely be over a month before deadline. The 33.5km-long corridor's last tunnel boring machine (TBM) is set for its final breakthrough by next week. **Manthan K Mehta** reports

LINE 3 BREAKTHROUGHS

Line 3's last breakthrough will be the 42nd

837 metres
Distance traversed by TBM Tansa I from Mahalaxmi to Mumbai Central since April 2022

17 Number of TBMs used for Metro 3

What is breakthrough?

■ A tunnel boring machine (TBM) is lowered into a shaft. It propels itself forward by means of hydraulic thrust rams

■ Rock is excavated by a number of front-mounted free rotating disc cutters

■ Debris is admitted into the TBM via a screw conveyor and then emptied into a truck to shift to filling sites

■ **Breakthrough** is said to be achieved when the TBM reaches the end of its assigned tunnel segment

Sept 21, 2017: First TBM for Metro 3 lowered at Naya Nagar, Mahim

PROJECT PROGRESS

(As of Nov 3)

Category	Completion (%)
Overall	76
Tunnelling	99.6
Track work	45
Civil works	87
Systems	42
Depot	30

*Figures are approximate



TRIAL RUNS

What is being tested

Speed, oscillation and emergency brake distance trials will be conducted, along with testing of other systems. The trials started on Aug 30

3km Length of test track, from Sariput Nagar to Marol Naka

2,000 km
Total trial run distance

