# **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

Distance traversed by TBM Tansa I from Mahalaxmi to Mumbai Central What is breakthrough?

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

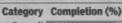
Rock is excavated by a number of frontmounted free rotating disc cutters

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)



Overall 7/3 Tunnelling 99.6

Track work

Civil works

Systems 2 Depot Fill

\*Figures are approximate



#### **TRIAL RUNS** What is being tested Speed, oscillation and emergency break 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



