

# METRO III CROSSES MILESTONE, TUNNELS THROUGH 1 KM OF EARTH

**M**umbai Metro Rail Corporation (MMRC) has announced that its tunnel boring machines (TBMs) have so far completed 1,267 metres of tunnelling at various station sites for Mumbai Metro Line III. The aim is to finish all tunnelling work by March 2020



## ON THE JOB AT STATION SITES

### Azad Maidan

- > Two TBMs to bore 4.5 km of tunnels up to Grant Road
- > These TBMs, named Vaitarna 1 and 2, have completed 330 m so far

### Naya Nagar

- > Two TBMs to tunnel; 2.5 km to Dadar metro station
- > Called Krishna 1 and 2, these have done 492 m so far

### Vidyanagari

- > Two TBMs to dig 2.98 km tunnels up to domestic airport
- > Named Godavari 1 and 2, these have done 150 m so far

### Marol Naka

- > Two TBMs to bore 1.2 km up to int'l airport
- > These TBMs, Vainganga 1 and 2, have tunnelled 295 m so far



## MACHINES AT WORK

TBMs arrived | **11**

TBMs lowered | **8**

Earth excavated | **6.32** lakh cubic metres

These TBMs have names too | Called Surya, Vaitarna, Tansa, Krishna, Godavari, Tapi and Vainganga, the TBMs have been named after rivers in state

## ABOUT TUNNEL BORING MACHINES

> A TBM is a highly mechanised device used as an alternative to drill-and-blast method to make tunnels with circular cross-section



> These massive machines can bore through any rock formation and soil

> A TBM is more than 60 m long and 6.3 m in diameter. A tunnel it creates has space for train coaches of 3.2 m width and 4 m height



“ After launching our first TBM in November, it is indeed a milestone to have completed over 1,200 metres of tunnelling with eight machines. We hope to have 17 TBMs running in the ground by July

Ashwini Bhide | MD, MMRC

