

# Mumbai's underground city of Metro tunnels



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SOME 80 feet underground, there are 17 tunnel boring machines (TBM) — named after rivers in Maharashtra — furiously digging the 33.5-km Metro network. The Colaba-Bandra-SEEPZ corridor will connect six business districts, the domestic and international airports, and have five interchange points for suburban railways and one each for the Monorail and Versova-Andheri-Ghatkopar Metro. mid-day goes underground to find how far the machines have reached.

## Cuffe Parade-CSMT

**STATIONS:** 4 (Cuffe Parade, Vidhan Bhavan, Churchgate, Hutatma Chowk)

**TBM:** 2 (Surya 1 and 2)

**TOTAL LENGTH OF TUNNEL:** 5.88 km

**TUNNEL COMPLETED:** 41 m

Total muck volume 10.5L m<sup>3</sup>

**MUCK GENERATED AND DISPOSED:** 2.5 lakh m<sup>3</sup>

**DISPOSAL SITES:** Kalwar and Ulwe

## CSMT-Mumbai Central

**STATIONS:** 4 (CST Metro, Kalabadevi, Girgaum, Grant Road)

**NO. OF TBM:** 2 (Vaitarna 1 and 2)

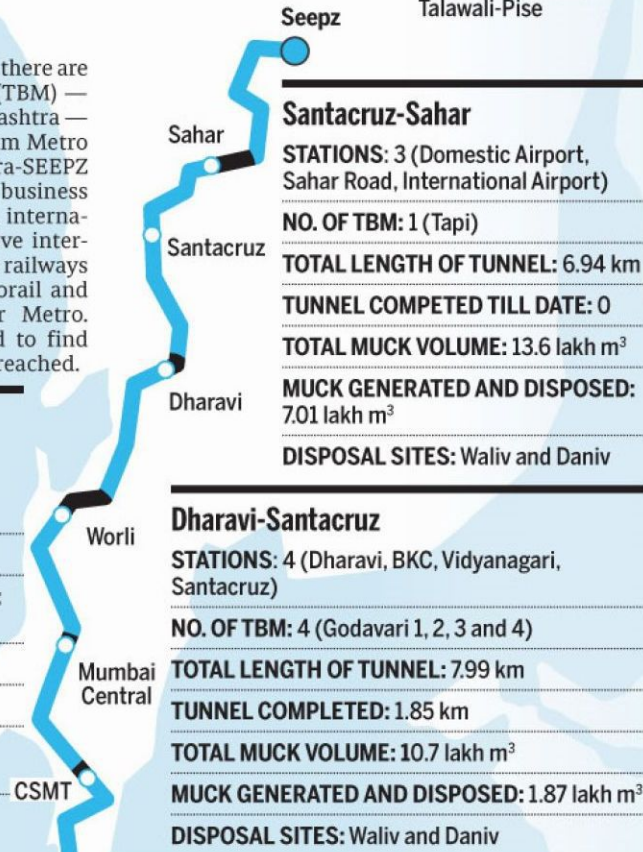
**TOTAL LENGTH OF TUNNEL:** 7.64 km

**TUNNEL COMPLETED:** 1.74 km

**TOTAL MUCK VOLUME:** 6.86 lakh m<sup>3</sup>

**MUCK GENERATED AND DISPOSED:** 2.27 lakh m<sup>3</sup>

**DISPOSAL SITES:** Mhape MIDC and Ambarnath



## Mumbai Central-Worli

**STATIONS:** 4 (Central Metro, Mahalaxmi, Science Museum, Worli)

**NO. OF TBM:** 2 (Tansa 1 and 2)

**TOTAL LENGTH OF TUNNEL:** 7.4 km

**TUNNEL COMPLETED:** 2m

**TOTAL MUCK VOLUME:** 21 lakh m<sup>3</sup>

**MUCK GENERATED AND DISPOSED:** 91,000 m<sup>3</sup>

**DISPOSAL SITES:** Dapode and Bhiwandi

## Worli-Dharavi

**STATIONS:** 3 (Siddhivinayak, Dadar, Sitaladevi)

**NO. OF TBM:** 3 (Krishna 1, 2 and 3)

**TOTAL LENGTH OF TUNNEL:** 10.95 km

**TUNNEL COMPLETED:** 3.46 km

**TOTAL MUCK VOLUME:** 9.29 lakh m<sup>3</sup>

**MUCK GENERATED AND DISPOSED:** 2.47 lakh m<sup>3</sup>

**DISPOSAL SITES:** Dapode and Waliv

## Dharavi-Santacruz

**STATIONS:** 4 (Dharavi, BKC, Vidyanagari, Santacruz)

**NO. OF TBM:** 4 (Godavari 1, 2, 3 and 4)

**TOTAL LENGTH OF TUNNEL:** 7.99 km

**TUNNEL COMPLETED:** 1.85 km

**TOTAL MUCK VOLUME:** 10.7 lakh m<sup>3</sup>

**MUCK GENERATED AND DISPOSED:** 1.87 lakh m<sup>3</sup>

**DISPOSAL SITES:** Waliv and Daniv

## Santacruz-Sahar

**STATIONS:** 3 (Domestic Airport, Sahar Road, International Airport)

**NO. OF TBM:** 1 (Tapi)

**TOTAL LENGTH OF TUNNEL:** 6.94 km

**TUNNEL COMPLETED TILL DATE:** 0

**TOTAL MUCK VOLUME:** 13.6 lakh m<sup>3</sup>

**MUCK GENERATED AND DISPOSED:** 7.01 lakh m<sup>3</sup>

**DISPOSAL SITES:** Waliv and Daniv

## Sahar-Seepz

**STATIONS:** 3 (Marol Naka, MIDC and SEEPZ)

**NO. OF TBM:** 3 (Wainganga 1, 2 and 3)

**TOTAL LENGTH OF TUNNEL:** 7.07 km

**TUNNEL COMPLETED:** 1.26 km

**TOTAL MUCK VOLUME:** 11 lakh m<sup>3</sup>

**MUCK GENERATED AND DISPOSED:** 2.35 lakh m<sup>3</sup>

**DISPOSAL SITES:** Talawali-Pise

**Metro 3 in numbers**



**17**  
No. of tunnel boring machines

