

Longest Tunnel In Phase-IV Expansion In The Making

2.7km Long, To Run From Tughlaqabad To Maa Anandmayee Marg

DIGGING DEEP

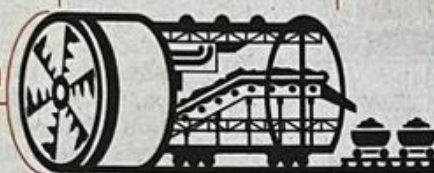
Tunnelling work in Phase-IV

The tunnelling drive will be from **Airforce Station Tughlaqabad to Maa Anandmayee Marg Station** on Silver Line

The length is about **2.7 km**, making it the longest tunnelling drive in Phase-IV

Length of tunnel boring machine **103.9 metres**

Internal dial of tunnel **5,800 mm**



Tunnelling work starts in the presence of DMRC MD Vikas Kumar

Other tunnelling work

> DMRC is building around **28 km of new underground corridors** as part of its Phase-IV expansion

> DMRC has **completed 2.2 km of underground tunnels** between **Krishna Park Extension and Keshopur** on the **Janakpuri West-RK Ashram Marg** corridor

> Two more tunnelling drives are already in progress on the **Aerocity-Tughlaqabad** corridor

Three under-construction priority corridors in Phase-IV

Aerocity-Tughlaqabad corridor (Silver Line)

Underground length | **19.3 km**
Elevated length | **4.3 km**

Total length | **23.6 km**
Underground station | **11**



Janakpuri West-RK Ashram corridor (Magenta Line)

Underground length | **9.4 km**
Elevated length | **19.8 km**

Total length | **29.3 km**

Underground station | **7**



Majlis Park-Maujpur corridor (Pink Line)

Underground length | **0 km**
Elevated length | **12.3 km**

Total length | **0 km**
Underground station | **0**



Priyangi Agarwal
@timesgroup.com

New Delhi: Delhi Metro Rail Corporation (DMRC) is constructing a 2.67km-long tunnel from Air Force Station Tughlaqabad to Maa Anandmayee Marg station on the Silver Line, making it the longest tunnelling drive in the ongoing Phase-IV.

According to DMRC officials, the internal dial of the tunnel will be 5,800mm. The length of the tunnel boring machine (TBM) is 103.9 metres.

On Monday, DMRC started the initial tunnelling work by tunnel boring machine 'AMRIT' on the Silver Line at IAF Station Tughlaqabad in the presence of Vikas Kumar, MD, DMRC, along with other

senior officials.

"A TBM is a machine used to excavate tunnels with a circular cross-section through a variety of soil and rock strata. They can be designed to bore through anything from hard rock to sand. TBMs have revolutionised the way tunnelling work is done worldwide, as tunnels can now be bored without disturbing buildings and other structures on the surface," said a Metro official.

Two more tunnelling drives are already in progress on the Aerocity-Tughlaqabad corridor, from Chhatarpur to Kishangarh, with a total length of 1.27km. DMRC is constructing about 28km of new underground corridors as part of its Phase IV expansion, under which 65km of

new lines are being laid across three different corridors.

DMRC has so far completed 2.2km of underground tunnels (for up and down movement) between Janakpuri West and Krishna Park Extension on the Janakpuri West-RK Ashram Marg corridor. In the coming months, tunnelling drives will be commenced on multiple stretches, such as Derawal Nagar-Pulbangash and Nabi Karim-Pulbangash (Janakpuri West-RK Ashram Marg).

The Aerocity-Tughlaqabad corridor will have 19km of underground corridor while the Janakpuri West-RK Ashram Marg corridor will have about 9km of underground sections. The Majlis Park-Maujpur section will not have any underground

section. Along with the rest of the corridors, the underground work is expected to be completed by the end of 2025.

Metro officials said TBMs are especially useful for underground tunnelling work in congested urban areas. DMRC has been using the machines since Phase 1. In Phase 3, when about 50km of underground sections were built, 30 TBMs were pressed into service.

The Janakpuri West-RK Ashram corridor, which is an extension of the Magenta Line, has 22 stations, including 11 underground ones. Tughlaqabad-Delhi Aerocity (Silver Line corridor) has 15 stations, including seven underground. Majlis Park-Maujpur, which is an extension of Pink Line, has eight stations.

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