



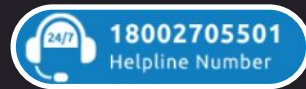
# Maharashtra Metro Rail Corporation Ltd. Pune Metro Bhavan

District Court Interchange Metro Station, Nyaymurti Ranade Path,  
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Email Id: mail.pune@mahametro.org

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PUNE METRO  
MOBILE APP



PUNE METRO  
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# Maharashtra Metro Rail Corporation Ltd.

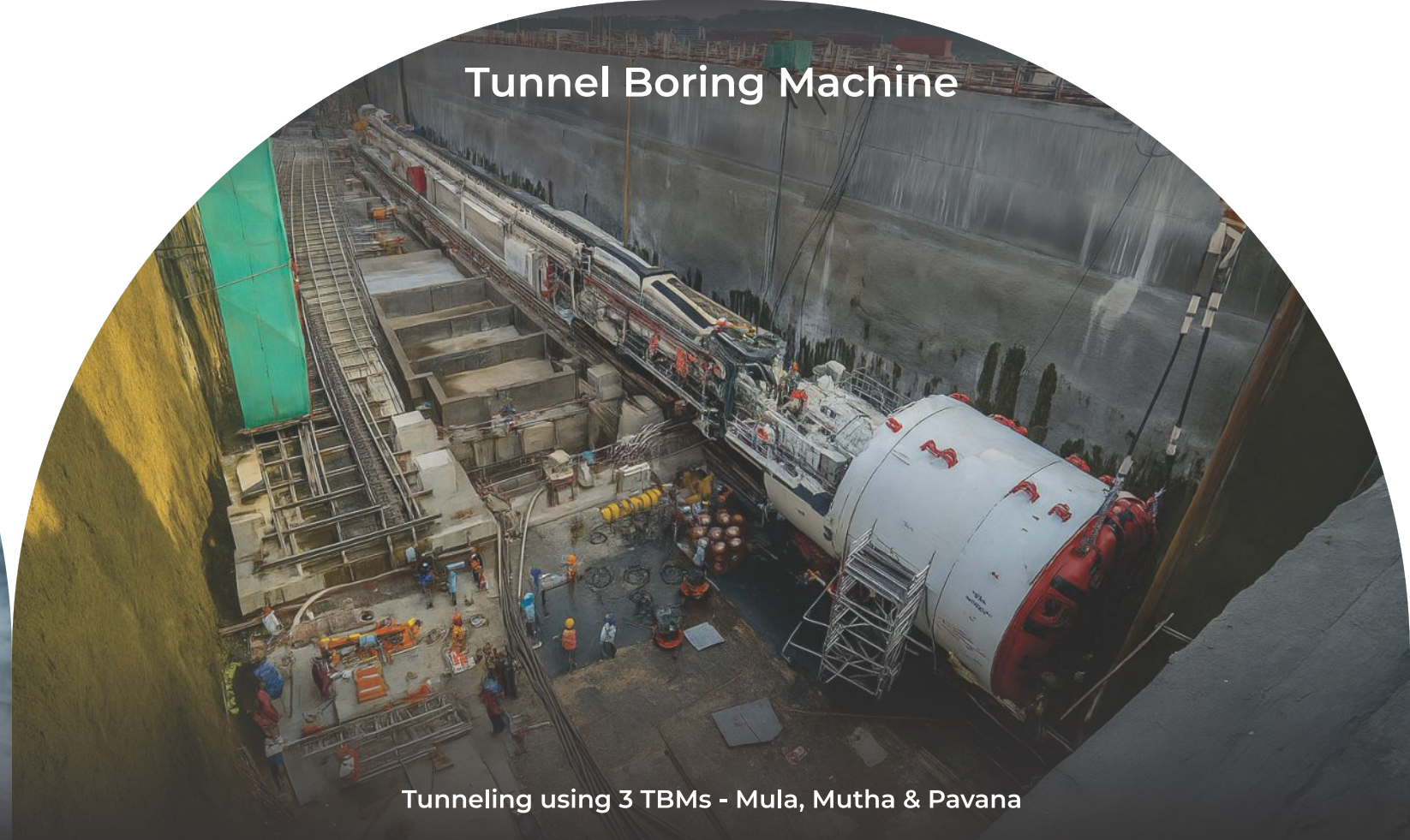
A marvel of design beneath the city.

## Pune Metro Overview



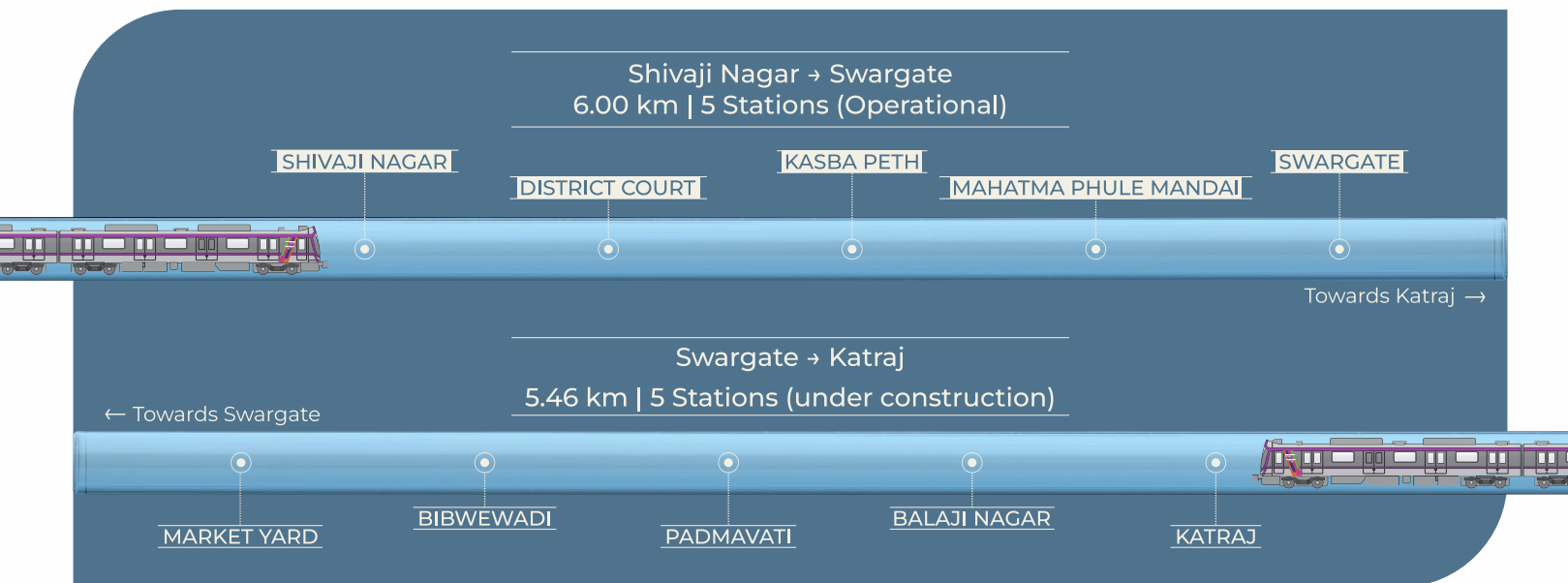
Maha Metro Pune operates 2 Lines:  
Purple & Aqua | Total Length: 44.75 km (33.2 km operational, 11.55 km extension)

## Tunnel Boring Machine

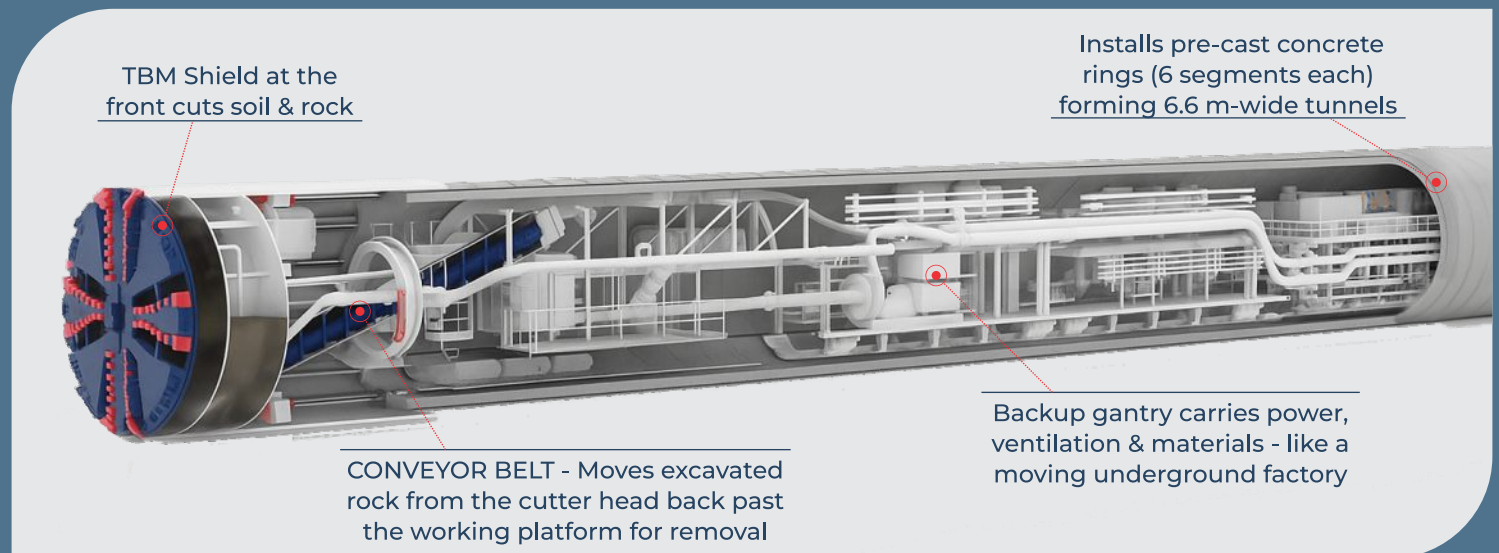


Tunneling using 3 TBMs - Mula, Mutha & Pavana

### Underground Stretch of Purple Line



3 Giant TBMs deployed for tunneling from Shivajinagar to Swargate.  
Each machine is 100 m long.



**1<sup>st</sup>**  
underground metro in Maharashtra, 5<sup>th</sup> in India

**33m**  
District Court - The deepest underground station of Mahametro

**10m**  
An underground tunnel 10 m below the Mutha River

Advanced technology ensured minimal surface impact, no disturbance to roads & heritage zones. Safely tunneled beneath Mandai, Budhwar Peth, and Shukrawar Peth, Pune's busiest historic areas.



## A Journey Beneath the Heart of Pune

Constructing an elevated or surface metro through these dense and historic localities was simply not possible without disturbing their heritage structures, narrow streets, and vibrant urban life.

By choosing to go underground, Pune Metro has protected the city's living heritage while introducing modern, efficient, and sustainable public transport.

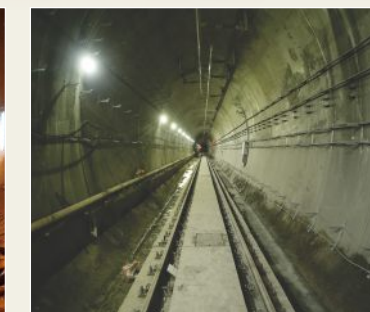
## Twin Tunnels Built with Tunnel Boring Machines (TBM)

To construct Pune Metro's underground stretch between Shivajinagar and Swargate, advanced Tunnel Boring Machines Mula, Mutha and Pavana were used to excavate twin tunnels deep below the city. These giant nearly 100 m long, carved through rock and soil while installing pre-cast concrete rings to form strong, circular tunnel walls.

Each tunnel measures 5.8 m in diameter, with segments 1.4 m wide and 275 mm thick—joined precisely like puzzle pieces. The total tunneling length of 2.7 km was completed in three phases

Shivajinagar → District Court: 1200m | District Court → Kasba Peth: 702 m  
Kasba Peth → Mahatma Phule Mandai: 847 m  
Mahatma Phule Mandai → Swargate: 1,178 m

Built entirely underground, the work avoided disturbing Pune's historic and crowded surface areas—ensuring safety, speed, and heritage preservation.

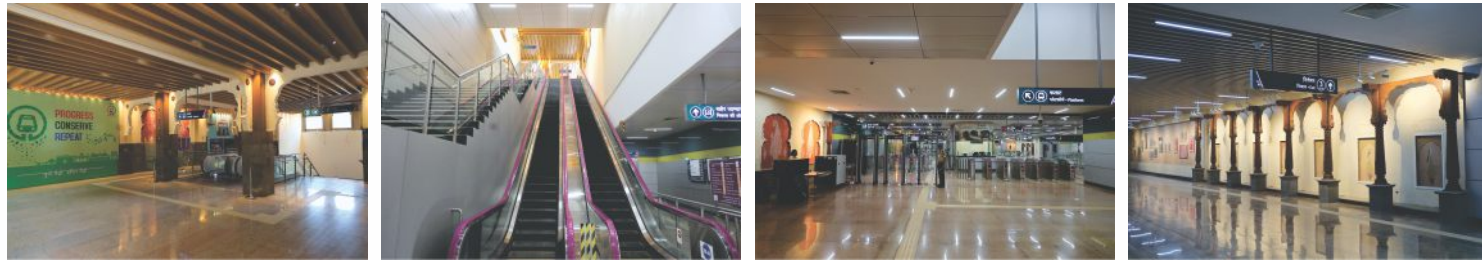


## SHIVAJI NAGAR STATION



Blending Heritage with Modern Infrastructure

- First Underground Metro Station of Pune (North–South Corridor)
- Inspired by Maratha architecture – Deepmal, arches, frescoes, jali walls
- 300 m open art gallery reflecting Puneri culture
- Basalt stone cladding, stucco finish, heritage detailing
- Multi-Modal Integration: Hinjawadi Line 3 + Railway + PMPML + MSRTC
- Located beneath road linking Sakhar Sankul to Akashwani Bhavan (AIR)
- 2 pedestrian subways: to Akashwani & Railway Station
- 5 lifts | 14 escalators (12 installed)
- Area roads & junctions redesigned with modern urban aesthetics



### Nearby Landmarks:

Shivajinagar Railway Station (350 m) | Bank of Maharashtra (350 m) | Akashwani (180 m) | Sancheti Hospital (600 m) | Agriculture College (1.1 km)

## DISTRICT COURT INTERCHANGE STATION



Major Multimodal Hub | Purple ↔ Aqua Line Interchange Station

- Strategically located near District Court and the banks of River Mutha.
- Seamlessly connects PCMC–Swargate (Purple) and Vanaz–Ramwadi (Aqua) metro corridors.
- Planned integration with upcoming PMRDA metro and regional transit corridors.
- Constructed using advanced Cut & Cover and NATM (New Austrian Tunnelling Method)
- crossover engineering methods.
- Designed to handle over 50,000 approximately daily passenger interchanges efficiently.
- Equipped with subways, lifts, escalators, and foot overbridges for convenience.
- Features a wide concourse, bilingual signage, and organized pickup-drop areas.
- A major interchange driving Pune's connected and sustainable metro network.



### Nearby Landmarks:

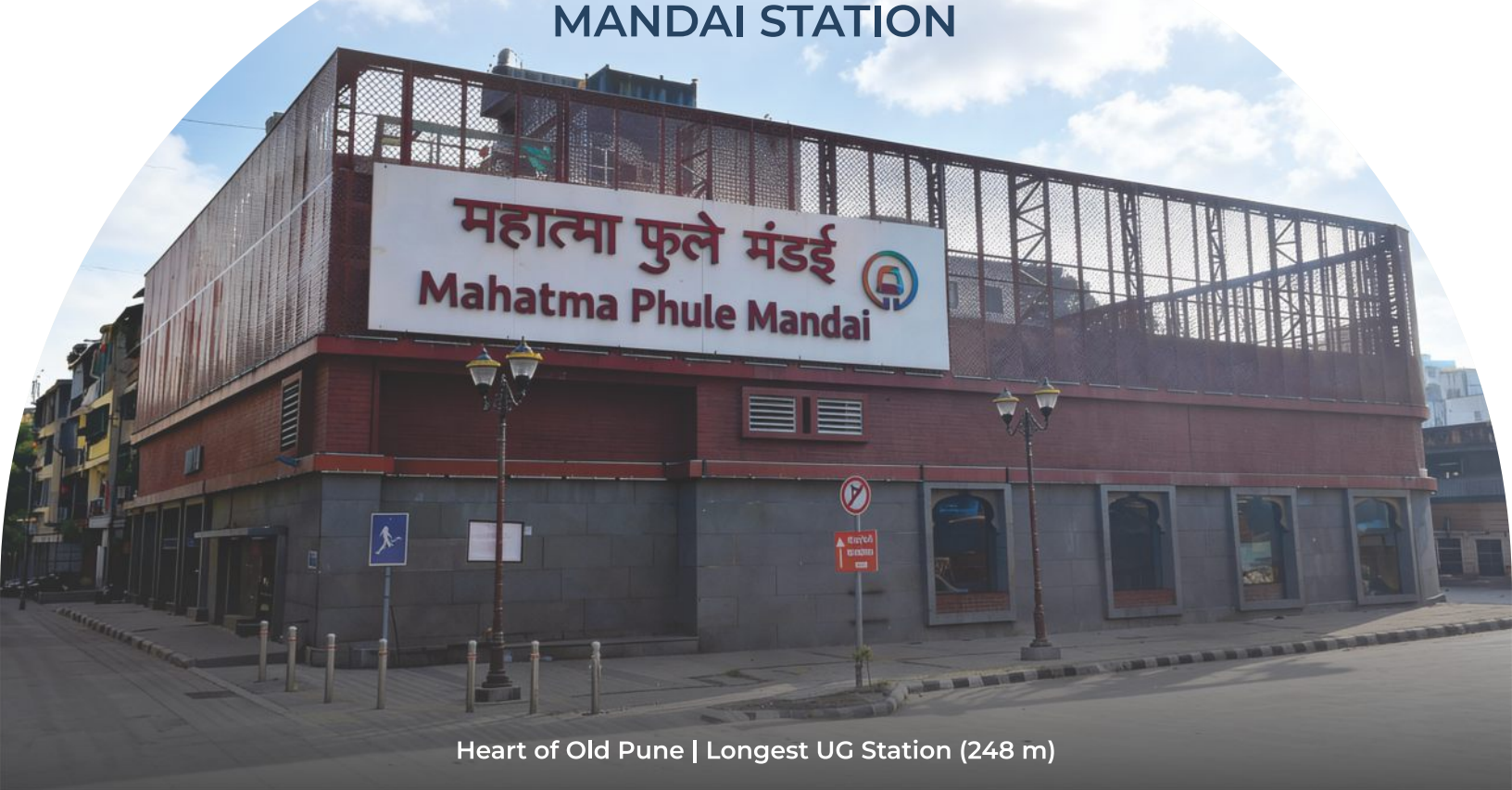
District Court (450 m) | Family Court (450 m) | COEP Hostel (800 m) | Shivaji Maharaj Statue (600 m)

## KASBA PETH STATION



Located at The Cultural Epicenter of Pune

## MAHATMA PHULE MANDAI STATION



Heart of Old Pune | Longest UG Station (248 m)

- Inaugurated on 29th September 2024, marking UG Phase I completion milestone.
- Constructed using advanced Cut & Cover and NATM tunneling techniques.

### NATM (New Austrian Tunnelling Method)

The smart station design in the Mandai and Kasba Peth area has been executed using the New Austrian Tunnelling Method (NATM).

- Specially designed for densely populated areas with narrow streets
- NATM technology adopted due to severe surface-level space constraints
- Ensures minimal surface disruption compared to conventional underground construction methods
- A 140-meter-long underground platform constructed using the NATM technique



### Nearby Landmarks:

Kasba Ganpati (450 m) | Kamla Nehru Hospital (500 m) | Trishund Ganpati (500 m) | Shaniwarwada (500 m)

- Mahatma Phule Mandai Station is the longest among other pune metro stations spanning 248 m long.
- Located beneath Mahatma Phule Mandai in the bustling Shukrawar Peth area.
- Built using advanced NATM (New Austrian Tunnelling Method) tunneling method to minimize market disturbances.

- Provides direct connectivity to Tulshibaug, Dagdusheth Temple, and Shaniwar Wada.
- Features two underground levels with an island platform and double tracks.
- Serves thousands of commuters and visitors from Pune's vibrant market core.



### Nearby Landmarks:

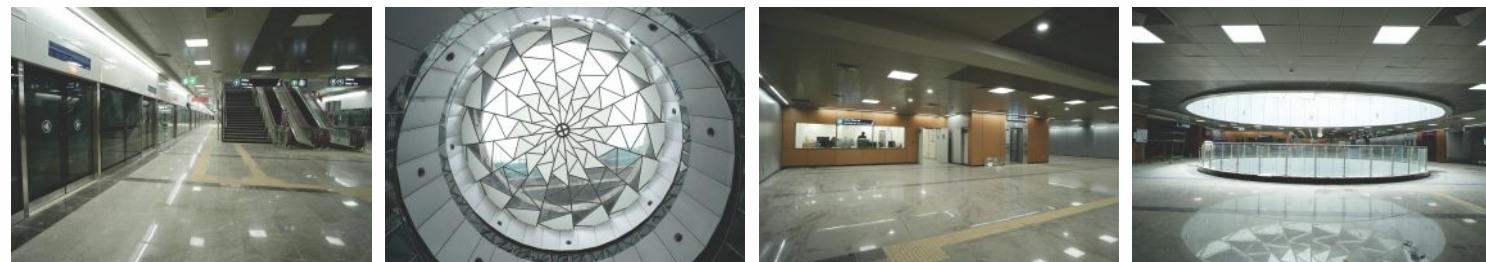
Mandai (400 m) | Tulshibaug (450 m) | Dagdusheth Ganpati (500 m) | Vishrambaug Wada (550 m)

# SWARGATE TERMINAL STATION



Southern Hub | True Multimodal Gateway

- Terminal station of the Purple Line along the North–South Corridor.
- A key station serving passengers from South Pune.
- Seamlessly integrated with PMPML, and MSRTC bus depots nearby.
- Planned future subway connection to Ganesh Kala Krida Manch for convenience.
- Constructed by Cut & Cover with three levels.
- Station measures 183.5 × 22 meters with robust retaining walls.
- Currently has one active entry with five more planned ahead.
- Offers complete barrier-free movement with pedestrian and cycling-friendly zones.
- Designed as a vital future connector towards the Katraj metro extension.



**Nearby Landmarks:**  
 Bus Stand (300 m) | Sarasbaug (500 m) | Ganesh Kala Krida (400 m) | Nehru Stadium (500 m) |  
 Tilak Vidyapeeth (1.6 km)

# Swargate–Katraj Underground Extension

Approved by the Union Cabinet on 4th September 2024,  
 the Swargate–Katraj Underground Extension will extend the existing PCMC–Swargate Metro Line by 5.46 km. This new corridor will feature five underground stations at Market Yard, Bibwewadi, Padmavati, Balaji Nagar and Katraj connecting to Katraj suburbs.

The project, estimated at ₹2,954.53 crore, will be jointly funded by the Government of India, Government of Maharashtra, and bilateral agencies, and is targeted for completion by September 2028.

## Seamless Connectivity & Sustainable Mobility

The extension will integrate with the Swargate Multimodal Hub, connecting the Metro, MSRTC, and PMPML bus services, enhancing last-mile connectivity across Pune. It will also link key landmarks such as Rajiv Gandhi Zoological Park, Taljai Hill, educational institutions, and residential areas.

With projected ridership reaching 1.97 lakh passengers by 2027, this corridor will reduce congestion, pollution, and travel time, offering a safe, fast, and eco-friendly transit option for students, professionals, and daily commuters.

## Driving Pune's Growth

Executed by Maha Metro, the Swargate–Katraj Line will act as a catalyst for urban growth, economic activity, and sustainable development, strengthening Pune's position as a modern, well-connected metropolitan city.

