

About Mumbai Metro Rail Corporation Limited: Mumbai Metro Rail Corporation Limited (MMRC) is the nodal agency responsible for the implementation of Metro Line III project. Metro Line III will be the first underground mass rapid transport system for the city of Mumbai, aimed at Connecting the Unconnected, by linking 27 stations. The 33.5 km long Colaba-Bandra-SEEPZ corridor will connect six business districts, 30 educational institutes, 30 recreational facilities, the domestic as well as international airport terminals.

Need for alternative transport: Mumbai’s suburban trains are overcrowded, carrying 5000 passengers against design capacity of 1750, leading to loss of lives every day. There is an urgent need for an alternative transport system to support the city’s infrastructure and its commuters. With the commissioning of Metro Line III, the burden on the suburban rail system is expected to reduce 15%, as Metro Line III is expected to carry around 17 lakh commuters per day.

Quick Facts:

- Total project cost of Rs. 23,136 crore which is partially funded by JICA (Japan International Cooperation Agency) through a soft loan of Rs. 13,235 crore. Rest of the funding is provided by Government of India and Government of Maharashtra
- Metro Line III will provide reliable, sustainable and energy efficient rail network, along with safety and comfortability for commuters and will also lead to 50% reduction in travel time from Cuffe Parade to International Airport Terminal 2

Environmental Benefits:

- Project is expected to reduce emission of 9,907 tonnes of CO2 and Green house gases per year
- Expected to reduce 4.5 lakhs vehicles on road per day, thereby saving approx. 2.5 lakhs litres of fuel per day i.e. about Rs. 550 crore per year

Status of the Project:

- Approximately 18% of the works is completed
 - 1,8222 number or 60% of total of secant piles have been completed
 - 6,32,716 cubic metres of earth work excavation has been done
- Larsen & Toubro Limited has been awarded the work of Power supply system and Consortium of Alstom Transport India Ltd & Alstom Transport S.A’ has been awarded the works of 25 kV AC Traction system
- Project operations- passenger services are scheduled to be opened in two phases:
 - Phase I: Car Depot to Chhatrapati Shivaji International Airport expected to be completed by March 2021
 - Phase II: Chhatrapati Shivaji International Airport to Cuff Parade expected to be completed by December 2021

Technology:

- Tunnel Boring Machine (TBM):

Status of TBM’s	Number of Machines
Completed FAT	14
Arrived	11
Lowered	8
Initial Drive Completed	6
Main Drive Initiated	3
Total Numbers of Machines	17

- Name of TBM's

○ Package	Names of the TBM
○ Package 1	Surya
○ Package 2	Vaitarna
○ Package 3	Tansa
○ Package 4	Krishna
○ Package 5	Godavari
○ Package 6	Tapi
○ Package 7	Wainganga

- **Stations:**
 - Lifts, escalators and all our machineries will have predictive maintenance
- **Trains:**
 - Communication Based Train Controlling (CBTC) system will ensure trains run on time
 - Regenerating braking system to save 30% of energy saving
- **Safety features:**
 - Platform screen doors proposed to ensure passenger safety and efficient operations
- **Track Work:**
 - Ballastless track in tunnel section and ballasted track in depot and maintenance site
- **Automatic Fare collection system**
 - Contactless cards will facilitate seamless travel experience between Suburban Railways, Metro and Monorail (After all systems implemented)