

# MMRC gets 5 of 9 rakes needed for Aarey-BKC Metro services

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**Mumbai:** Mumbai Metro Railway Corporation (MMRC), which is executing the 33.5km-long underground corridor, has received 5 of the total 9 required rakes to run the Phase I operations between Aarey and Bandra-Kurla Complex. Phase I operations of the Metro-3 aqua line are expected to begin by December 2023.

MMRC has ordered 31 eight-coach rakes from Alstom, which is manufacturing them at its facility in Sri City, Andhra Pradesh.

The first rake arrived in July 2022 and its trial run was flagged off by chief minister Eknath Shinde and deputy chief minister Devendra Fadnavis on August 30, 2022.

An MMRC spokesperson said, "A total of four more rakes are under manufacturing for Phase I."

Each MMRC rake is equipped with an unattended train operation (UTO) system, which fully automates the start, stop, door opening, and handling of emergencies without any on-board staff. Train health is monitored from the control room.

Initially, these trains will



Each rake is equipped with an unattended train operation system; Phase 1 ops are expected to begin in Dec

be run with a pilot, but after a few months, MMRC plans to seek approval from the Commissioner of Metro Rail Safety (CMRS) to operate them in the driverless mode.

MMRC had placed an order for the rakes with Alstom in September 2018 at 315 million euro. The manufacture

started in 2019.

Trainsets for the Aqua line will be equipped with a regenerative braking system aiding significant reduction in carbon emissions. The 177.2-metre-long trainsets will be capable of ferrying around 3,000 passengers on one trip to accommodate a high passeng-

er flow.

The safety features will include CCTV cameras, smoke detectors, emergency intercoms, fire extinguishers and large detrainment doors to quickly evacuate passengers in an emergency. The design also ensures easy accessibility for the differently abled.