



Agra Metro Update: TBM Shivaji Records First Breakthrough at Taj Mahal Ramp

Agra Metro recorded the first breakthrough of Shivaji TBM, 3rd Tunnel Boring Machine, at the Taj Mahal Ramp.



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LUCKNOW (Metro Rail News): A major development unfolded itself on Sunday, with the third [Tunnel Boring Machine](#) Shivaji (S-718C) of the Afcons Infrastructure-SAM JV recording its first breakthrough at the Taj Mahal Ramp.

The 06.63 m diameter machine Herrenknecht Earth Pressure Balance Machine was commissioned in Early August 2023 to build twin underground tunnels on 7.93 Km long [Package AGCC-02](#) from RBS College Ramp to Taj Mahal Ramp.

Shivaji has bored a roughly 228-m long tunnel for the up-line from the Taj Mahal Stations' launch shaft towards the Cut & cover ramp on Fatehbad road. This will be connecting the tunnel with the [AGCC-01](#) Package for which trials are underway.

Speaking on the same, MD [UPMRC](#) Shri Sushil Kumar said, "This is an important milestone as the majority of the tunnel section for three stations has been completed. We are striving to commence metro operations 6 months ahead of schedule, i.e. March 2024, instead of the actual deadline of August 2024. The three Elevated stations & train depot are ready. The testing of metro trains is being conducted successfully on the mainline."

The TBM, after its breakthrough, will be relaunched from the same cut and cover ramp area and will go on to construct the tunnel in the reverse direction. The other two TBM(s), Yamuna and Ganga, are already operating and efficiently carrying out the construction of tunnel work of the Underground section of the 6 km Priority stretch of the [Agra Metro Project](#).

The Rs 1819.79 Crore Civil construction contract was awarded to Afcons Infrastructure-SAM JV by UPMRC in March 2022 with a 48-month deadline. Agra metro is a Rapid Transit Metro Project in Agra consisting of 2 metro lines with a total length of 29.65 Kilometers. The Agra Metro has 2 corridors:

Corridor 01

The length of the Sikandra to Taj East Gate corridor is 14.00 km, which is partly elevated and partly underground and comprises 13 stations (6 elevated and 7 underground).

Corridor 02

The length of the Agra Cantt to Kalindi Vihar corridor is 15.40 km comprising 14 stations, all elevated.