



Afcons-SAM's Agra Metro TBM Yamuna Records Breakthrough at Midshaft

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Afcons Infrastructure – SAM India Consortium this past weekend quitey celebrated TBM Yamuna's breakthrough at Shahjahan Gardens Midshaft of the 29.40 km Agra Metro Phase 1 project.

This Ø6.52m diameter and 95m long Earth Pressure Balance (EPB) Robbins machine (215-323) was the project's 1st TBM to be commissioned in February 2023 for constructing 14.25 km Line-1's 7.93 km Package AGCC-02 between RBS College Ramp – Taj Mahal Ramp.

It first built 239 rings (334m) from the crossover at Ramleela Maidan to Agra Fort Station in 77 days and recorded a breakthrough in April. It was then dragged across Agra Fort's station box and commissioned towards Taj Mahal Station in May for a distance of approximately 1.35 km.

The midshaft en route to Taj Mahal Station is located approximately 175 meters east of Agra Fort Station.



In Agra, TBM Yamuna along with another 2 refurbished machines – TBM Ganga and TBM Shivaji – will build roughly 3 kms of tunnels of the city's 6 km priority corridor (Jama Masjid – Taj East Gate) with an ambitious aim to become operational by April 2024.

Uttar Pradesh Metro Rail Corporation (UPMRC) had awarded Afcons – SAM Consortium with Package AGCC-02's Rs. 1819.79 crore civil construction contract in March 2022 with a 48 month deadline.

Their section from chainage 3630.000 to 11564.485 consists of twin tunnels connecting 7 stations at Taj Mahal, Agra Fort, Jama Masjid, SN Medical College, Agra College, Raja ki Mandi and RBS College.