



Afcons Completes Mumbai – Ahmedabad Bullet Train's ADIT Tunnel

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Afcons Infrastructure on Wednesday completed tunneling work for a 394 meter long Additionally Driven Intermediate Tunnel (ADIT) of the 508.17 km Mumbai – Ahmedabad High Speed Rail (MAHSR Bullet Train) project.

This ADIT tunnel with a 42m deep inclined shaft was built in 6 months on the eastern-side of 20.377 km underground Package C-2 (BKC – Shilphata). Its main-purpose to provide construction workers and vehicles access to a point from where excavation works for the main-line's tunnel can start by the New Austrian Tunneling Method (NATM).



The ADIT tunnel's portal is located at Ghansoli, Navi Mumbai (view on [Google Maps](#)). From its extreme-end, NATM tunneling will be done towards opposite sides – westward to Sawli's Shaft-3 for 1.6 kms and eastwards towards Shilphata's tunnel portal covering a distance of roughly 1.8 kms.

India's National High Speed Rail Corporation Ltd. (NHSRCL) had awarded Afcons Infrastructure with Package C-2's Rs. 6397.27 crore contract in June 2023 with a 1888 day (5.17 years) deadline.

Afcons will construct 3 shafts at BKC Station, Vikhroli, and Sawli at approximate depths of 36m, 56m and 39m respectively to launch and retrieve 3 Mega Tunnel Boring Machines (TBMs) with a diameter of roughly 13.1 meters to bore approximately 16 kms of tunnel.

Afcons will use that “infinity-shaped” shaft (see details) to launch 2 Herrenknecht tunnel boring machines (TBMs) – one towards Shaft-1 (BKC Station’s east-end) and another towards Shaft-3 in Sawli, Navi Mumbai.