

TRANSPORT LEAP WITH INDIA'S FIRST BULLET TRAIN PROJECT

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AHMEDABAD

In a remarkable leap forward for transportation connectivity, Ahmedabad is set to witness a transformative change with the introduction of India's first Bullet Train Project. Spanning a colossal 508 kilometres, the Mumbai-Ahmedabad High-Speed Rail corridor promises high-speed travel between two financial powerhouses – Mumbai and Ahmedabad. The ambitious project, with a speed capacity of 320 km/h, will pass through 12 stations, eight in Gujarat and four in Maharashtra.

Integral role in MAHSR project
As a key part of the MAHSR corridor, Ahmedabad district is set to undergo a substantial infrastructural makeover to accommodate the revolutionary high-speed rail system. Covering a total alignment of 26km, the district will host two elevated bullet train stations: Sabarmati and Ahmedabad. Additionally, noteworthy features include a bridge over the Sabarmati River, the Sabarmati Rolling Stock Depot, and a High-Speed Rail Multimodal Hub at Sabarmati.

Ahmedabad HSR station
The Ahmedabad High-Speed Rail station embodies the cul-



tural and historical essence of the city. Spanning an area of approximately 38,000 sq. m, the station draws inspiration from Ahmedabad's vibrant kite-flying culture and the intricate lattice work of Syed Siddique's Jaali. With two platforms and a height of 33.73 metres, the station is a testament to both architectural innovation and cultural identity.

The station's connectivity plan emphasizes seamless integration with other modes of transport. An integrated building for passenger transit on the east side of the existing railway station ensures easy switching between modes using escalators and elevators. Furthermore, the HSR station will facilitate convenient access to Ahmedabad airport and the nearby Geeta Mandir Central Bus Stand.

Sabarmati HSR station
As the terminal station of the

MAHSR Corridor, Sabarmati HSR Station draws inspiration from Mahatma Gandhi's charkha at Sabarmati Ashram. Encompassing an area of about 45,094 sq. m, the station boasts four platforms and a height of 44 metres. With plans for Station Area Development, Sabarmati HSR Station aims to enhance accessibility and convenience for commuters. Integrated with existing transport modes, including railway stations, a multimodal transport hub, and a metro station, Sabarmati HSR Station is strategically located for seamless connectivity.

Bridge on Sabarmati river
The MAHSR alignment includes a bridge over the Sabarmati River, a critical aspect of the project. With a length of 480 metres and circular piers of 6 to 6.5 metres in diameter, the bridge is strate-

gically positioned between Sabarmati and Ahmedabad HSR stations.

Sabarmati Rolling Stock Depot
The Sabarmati Rolling Stock Depot, spanning 83 hectares, is poised to be the largest depot in the region. Equipped with cutting-edge facilities for light and heavy maintenance of train-sets, the depot includes inspection bays, a washing plant, workshops, sheds, and stabling lines. Emphasising water resource management and sustainable practices, the depot plans to meet its water requirements through rooftop rainwater harvesting and bore wells.

High-speed rail multimodal hub
The Sabarmati Multimodal Transport Hub is a state-of-the-art facility designed for seamless connectivity. An iconic structure integral to the MAHSR Corridor, the hub features a stainless steel mural depicting the Dandi March movement, adding historical significance to the region. The building includes amenities such as waiting lounges, retail options, restaurants, and office spaces. Committed to sustainability, the hub incorporates green building features like solar panels, extensive landscapes, and energy-efficient fixtures.