

Sea Link Trans Harbor insights

The Mumbai Trans Harbour Link, also known as the Sewri Nhava Sheva Trans Harbour Link, is an under-construction 21.8 kilometers (13.5 mi), freeway grade road bridge connecting the Indian city of Mumbai with Navi Mumbai, and its satellite city. Post completion, it would be the longest sea bridge in India. The bridge will begin from Sewri, South Mumbai, cross Thane Creek north of Elephant Island, and will terminate at Chirle village, near Nhava Sheva. The road will be linked to the Mumbai Pune Expressway in the east and to the proposed Western Freeway in the west. The sea link will contain a 6-lane highway, which will be 27 meters in width along with two emergency exit lanes, an edge strip, and a crash barrier.

The project is estimated to cost ₹14,262 crores (US\$1.9 billion). MMRDA was awarded this contract in November 2017. The construction began in April 2018 and is scheduled to complete within four-and-a-half years. MMRDA estimates that 70,000 vehicles will use the bridge daily once the same is open to the general public.

The MTHL is a 6-lane freeway grade road bridge. It is 21.8 km long, including a 16.5 km sea bridge and 5.5 km of viaducts on land on either end of the bridge. MTHL will be constructed in three sections. About 4 km of the bridge length will be built with steel spans and the rest will use concrete. MMRDA chose to use steel spans in these sections to eliminate the need to construct pillars to support the bridge which could hinder the movement of ships in the area. This 4 km section includes a 180-meter-long steel span, which is the longest steel span in India. The shortest steel span on the MTHL is 110 meters long.

After Completion of Sea Link Harbour, no need to catch the existing Kharghar Vashi, Chembur Eastern Express to reach Sewri, Panvel to Sea Link Harbour – 40 mins max to reach Sewri.

Sr. No	Length	Details	Contractors	Cost
1	10.38 km	The bridge spanning across Thane Creek and Sewri Interchange.	Larsen and Toubro and IHI Corporation	₹7,637.3 crores (US\$1.0 billion)
2	7.807 km	Bridge portion across Thane Creek and the Shivaji Nagar interchange.	Tata Projects Limited and Daewoo E&C	₹5,612.61 crores (US\$750 million)
3	3.613 km	Viaducts and interchanges that connect MTHL with State Highways 52 and 54 and National Highway 4B at Chirle.	Larsen and Toubro	₹1,013.79 crores (US\$130 million)

Real-time analysis by **Gurwinder S Badasha**

