



## ***PRESS RELEASE***

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# **L&T lays final segment for Second Vivekananda Bridge over Hoogly**

**Mumbai, February 10, 2007:** Larsen & Toubro Limited (L&T), which is building the Second Vivekananda Bridge in Kolkata, achieved the critical milestone in construction on February 08, 2007 when the last closure pre-cast segment of the main bridge was put in place.

L&T's Construction Division, ECC, is the EPC contractor for this bridge. The scope of work includes detailed engineering survey, design and construction of the main bridge, viaducts, ramps and approach roads at both Howrah and Kolkata Metro side. The design partners for this project are Consulting Engineering Services Pvt. Ltd., India, and Parsons & Brinkerhoff, Bangkok. The project is at an advanced stage of completion.

The construction of the 880-m long main bridge across the river Hoogly, just 50 m downstream of the existing Bally Bridge is the most critical activity of the project. The foundation of the bridge is on 11 m dia. x 39 m (avg.) deep-well foundations with well cap located at bed level 15 m below the water level of the river at high tide.

The bridge is designed to carry six-lane traffic on both carriageways. The superstructure of the main bridge consists of 254 numbers of 29-m-wide single-box PSC girders weighing between 140 tonnes and 170 tonnes with inclined web and internal stiffening struts. A single plane of cables passing through 14 m high pylons provides the additional post-tensioning, and enhances the aesthetics of the bridge by elegant proportioning of the size of the segment.

By lifting and matching of the final 254<sup>th</sup> Segment of the main bridge, the critical milestone of bridge closure has been achieved within the time schedule of 34 months. Other works of the project like approach roads, drainage works, road furniture works are at an advanced stage and are likely to be completed with the next 45 days time.

The commissioning of this main bridge will serve as a new transportation link between the twin cities of Howrah and Kolkata Metro, and will connect two important National Highways, NH-2 and NH-6, with NH-34, thus giving direct access to the North-Eastern part of the country.

Mr. J. Ganguly, Executive Vice President, L&T-ECC, said, “This is one of the most prestigious projects that L&T has built. The complexity and tight time-frame have posed challenges in project execution, which we have overcome successfully. We are now working towards completing the remaining work in a matter of over a month and ensuring that this modern and aesthetically pleasing bridge gets dedicated to the nation and to the people of Kolkata.”

“The foundation for the bridge was laid on February 19, 2004 and L&T is proud to have lived up once again, to its time-commitment for project completion,” added Mr. Ganguly.



*The Second Vivekananda Bridge in Kolkata, where Larsen & Toubro Limited (L&T) achieved the critical milestone in construction when the last closure pre-cast segment of the main bridge was put in place. Mr. J. Ganguly, Executive Vice President, ECC Division, L&T, is in the foreground.*