

# L&T despatches cryostat lid for \$20 billion global fusion project

Vessel's function is to provide cooling to fusion reactor, keep very high temperatures under control

**SPECIAL CORRESPONDENT**

**MUMBAI**

Engineering and construction giant Larsen & Toubro (L&T) said it has achieved a major milestone under 'Make in India' initiative by building a cryostat for the \$20-billion global fusion project being built in France.

The final assembly, or top

lid sectors of the cryostat, a key part of the world's largest nuclear fusion reactor being built in France, were despatched on Tuesday from the company's Hazira manufacturing complex in Surat district of Gujarat.

In 2012, Larsen & Toubro (L&T) was chosen by ITER-India to manufacture and in-

stall cryostat – a vacuum pressure vessel made of 3,850 tonnes of stainless steel. L&T Group chairman A.M. Naik termed it a "moment of pride for India and L&T."

The firm had already delivered the base section, the lower cylinder and the upper cylinder for the cryostat.

The cryostat's function is to provide cooling to the fusion reactor and keep very high temperatures at its core under control.

## **Innovative techniques**

L&T CEO and MD S.N. Subrahmanyan said the company had used innovative and digital manufacturing tech-

niques to ensure uninterrupted supply of high-precision assemblies to ITER.

"This will further pave way for the installation of cryostat at the project site in France and eventually lead to the demonstration of large-scale feasibility of fusion power," he said.

*(With PTI inputs)*