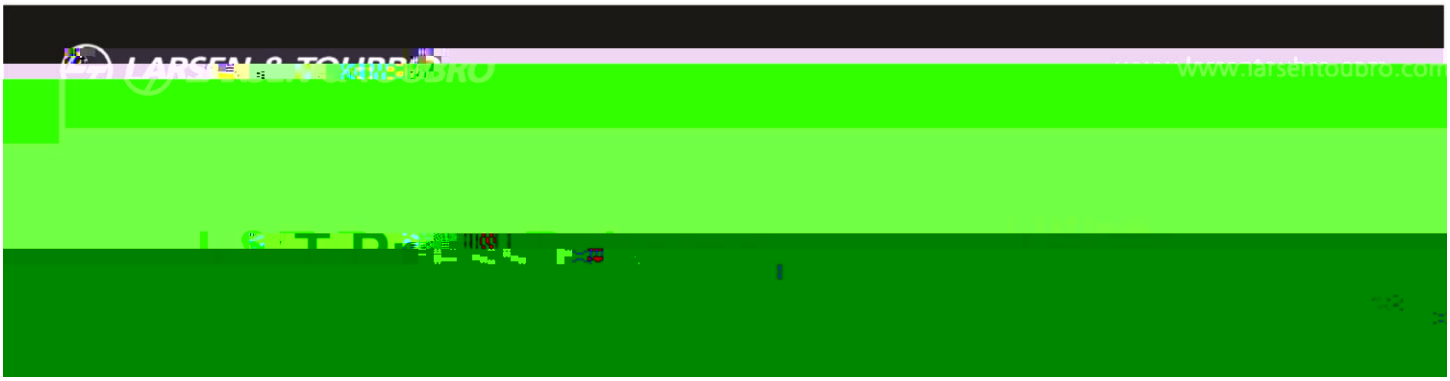

: The heavy engineering arm of Larsen & Toubro, a leading Indian multinational engaged in EPC Projects, Hi-Tech Manufacturing and Services, has completed the Top Lid, the most complex and final assembly of Cryostat for Global Fusion Project at ITER, France.

The 30-meter diameter Cryostat is the largest stainless-steel high-vacuum pressure chamber in the world, intended to keep very high temperatures in the ITER fusion reactor core under control by providing cooling. The completion of this final assembly is an important milestone in the nuclear fusion arena as well as a moment of pride for India.

With this milestone, L&T Heavy Engineering has completed the entire manufacturing work planned at the site workshop assisted by its sub-contractors, ahead of schedule. The last stage to assemble the Top Lid inside the Tokamak Reactor Building will be performed in 2025.

The special celebration for the completion of ITER Cryostat Top Lid took place in the presence of Dr. Eisuke Tada- Acting Director General, ITER organisation and virtual presence of Shri Ravi Bhushan Grover- Member, India Atomic Energy Commission, India, Mr. U.K. Baruah, Project ‘

Successful March’ since the ITER Organization and ITER India signed the Cryostat Procurement Arrangement in 2012 and since the first components for the 3,800-tonne heavy-assembly took shape at the Larsen & Toubro factory in Hazira, India. The march was certainly not without pushbacks and challenges. But here we are today. The Cryostat is successfully completed, the base and the lower cylinder have already made their final voyage into the reactor vault, the upper cylinder and the top lid are waiting for their turn. This is an impressive achievement – both in terms of technical feasibility, complexity and intercultural collaboration.”