L&T Wins Prestigious Order for Manufacture of Cryostat for International Fusion Energy Project

Mumbai, September 12 , 2012: L&T Heavy Engineering has bagged a prestigious order for manufacture & installation of , 7 (5 &VU \ R V W D W I R U W K H Z R U O G · R ^ìé9 installation of the Cryostat. This large -value order will be executed over a period of 8 years.

In view of the very large dimensions involved, 54 modules of the Cryostat will be dispatched by L&T Heavy Engineering from its Hazira facility to France. Module pre -assembly will be done in a temporary workshop to be erected close to the site located in the France. The scope includes final assembly of the Cryosta t and installation at its final location in the Tokamak Reactor Hall.

Once completed, ITER will demonstrate the infinite potential of fusion technology to generate energy. The highlights of the fusion process used in the reactor are ² a) High Efficiency ² output power will be ten times the input, b) Clean Energy ² No release of carbon dioxide or radioactive wastes, and c) Abundant Fuel ² Hydrogen isotopes ² deuterium & tritium, which can be extracted from sea -water.

The Cryostat will be the largest vac uum vessel, a stainless steel structure surrounding the Tokamak & super conducting magnets of ITER. It constitutes the outermost boundary of the reactor, providing a super -cool, vacuum environment for the inner cryogenic systems and acts as a secondary corfinement barrier for the reactor. It is designed to bear the