

Pumps Powering the Future



Kirloskar Brothers Limited (KBL) is the only supplier of cooling water pumps for the historic ITER project, the world's largest fusion experiment.

KBL is India's first and leading provider of a wide range of exclusive pumps for most of the major nuclear plants in the country.

KBL further strengthened its reputation by associating with the historic International Thermonuclear Experimental Reactor (ITER) project, the world's largest fusion experiment being executed in Southern France.

ITER, which means 'The Way' in Latin, is an international nuclear fusion research and engineering mega project. Touted as the world's largest magnetic confinement plasma physics experiment, it is one of the most

ambitious energy projects in the world today. The project involves a globe-spanning collaboration of 35 countries to build and operate the world's largest 'tokamak', the most complex machine ever designed to prove the feasibility of fusion as a large-scale and carbon-free source of energy based on the same principle that powers our Sun and stars. The experimental campaign that will be carried out at ITER is crucial for paving the path for fusion power plants of tomorrow.

In view of KBL's association with similar prestigious projects in the past, its technical prowess and capabilities, the company was chosen as one of the primary



Visit of the teams from ITER - India & International Office to the Kirloskarvadi factory

suppliers of fluid management products and systems for the project. In accordance with the project agreement, KBL was awarded a contract to provide a total of 39 cooling pumps. All these pumps would be broadly used for the secondary cooling cycle of the ITER. Of the 39 cooling pumps, 26 are horizontal split-case pumps while 13 are Vertical Turbine (VT) pumps. These pumps will form an integral part of the Closed Cooling Water System (CCWS), Chilled Water System (CHWS) and Heat Rejection System (HRS).

Apart from the development and supply of the cooling pumps, KBL has also been considered for the supervision of the installation and commissioning of these pumps. In addition to the company's association with the secondary cooling cycle of the project, KBL is also in talks with the ITER team currently for exploring further prospects for the provision of other fluid management products and solutions for other critical applications in the project in the near future.

KBL's selection for such a notable project clearly reflects the eminent reputation and the credibility that the company carries globally. It is also a testimony to the fact how KBL is playing a pivotal role in 'Powering the Power Industry Globally'.