

Mr. Bharat Doshi is a Mechanical Engineer with more than 20 years of Experience. He has started his carrier as a tool room engineer in Elecon engineering company Limited. He has also served in Hindustan Aeronautics Limited (Nasik Division) as an Aeronautical engineer in the design department (Mechanical systems) for MIG fighter Aircrafts. He has worked under the leader ship of First Indian Astronaut Mr. Rakesh Sharma.

Since 1989, He has been working at internationally recognized Fusion research Institute, the Institute for plasma research (An autonomous Institute under the department of Atomic Energy).He has worked for the two Indian Fusion Research TOKAMAK machine, ADITYA & Steady State Super-conducting tokamak (SST1). His contribution to SST1 project is from Concept to Commissioning.

His area of interest & involvement in research & development for major fusion reactor technology

- UHV & High Vacuum Technology
- Cryogenic technology at 4K & 77K
- Manufacturing of major systems of super conducting medium sized Tokamak
- Design & Finite Element Analysis for major systems of super conducting medium sized Tokamak
- Assembly, testing, alignment, and commissioning experience of medium sized super conducting Tokamak.

He has more than 35 national & International publications in the reputed journal in the Fusion research (Nuclear fusion, Review of Scientific Instruments, Proceedings of fusion conferences etc).

He has visited many internationally reputed laboratory & Fusion Research Organization and delivered a talk.

- (1) General Atomics, San Diego, USA.
- (2) Princeton Plasma Physics Laboratory (PPPL), Princeton, NJ, USA.
- (3) UCLA (University of California Los Angeles), LA, USA.

- (4) Japan Atomic Energy Research Institute, Japan.
- (5) NFRI (National Fusion Research Institute), South Korea.
- (6) IPP (Institute for Plasma Physics), Germany
- (7) EPFL, Switzerland, and many more.

He is regularly visiting ITER (International Thermo nuclear **E**xperimental **R**eactor) site CEA France for ITER related activities.

At present he is a **Project Manager** for the Indian contribution to **ITER** project and is responsible for design, fabrication, testing, delivery, site assembly and commissioning of ITER Cryostat & VVPSS system worth ~100 Million USD.

He is representing the ITER-India for Safety and Quality Assurance working group of ITER. He was also a member of ITER vacuum vessel design review working group. He is a life member of Plasma science society of India & a life member of Institution of Valuers.