

- ✓ The existing ADITYA operated over 2 decades with limiter configuration is being successfully upgraded into a tokamak with open divertor configuration.
- ✓ The main modifications to this existing tokamak are aimed at creating space for placing the extra poloidal field coils to obtain single and double null configuration in the upgraded tokamak.
- ✓ By keeping the major and minor radius same, the new vacuum vessel with circular cross-section is designed and fabricated with two semi-tori having electrical isolation joined together.
- ✓ The vacuum vessel has been tested for local leak rate  $<5x10^{-10}$  mbar.l/s and global leak rate  $<5x10^{-8}$  mbar.l/s, Ultra High Vacuum  $<10^{-9}$  mbar at  $>150^{\circ}$  C.
- ✓ The entire ADITYA upgradation task including dis-assembly, refurbishment of magnetic field coils and re-assembly work has been finished within 1 year time.
- ✓ A lot of effort has been made in meteorological studies of each component. All the major machine references like machine centre were properly mapped. Each and every component was strictly placed with a precision tolerances of  $\pm 1$  mm.
- ✓ At present, the installation of diagnostics systems for initial phase of plasma operation is under progress and the plasma discharges will be initiated soon.