

ITER-India Diagnostics;

India, as a partner in the ITER project would contribute 3.2% of plasma diagnostics equipment planned on the machine. In general the diagnostics components will be housed in Port Plugs. The Port Plug can be slid in to and out of machine ports, which allow access to plasma in the interior of the tokamak.

India's Diagnostics package is expected to comprise of hardware for **X-ray Crystal Spectroscopy**, **Electron Cyclotron Emission** and Diagnostic beam based **Beam Emission Spectroscopy**. India would also deliver an **Upper Port Plug** that would house the components of X-ray Crystal spectrometer

The pictures show the typical arrangement of the port, port plugs and the diagnostic components in relation to the tokamak plasma

