

Diagnostics Division Head

CHD-016

Reports to Line Manager:	Deputy Director General (DDG) for CODAC & IT, Heating & Current Drive, and Diagnostics	Job Code:	CHD-016
Direct Employment:	Required	Grade:	D1

Purpose

To be in charge of the Diagnostics Division: lead a team of highly motivated scientists and engineers to procure the ITER machine's diagnostics systems; be responsible for the design, research & development, and integration of the diagnostics packages on ITER; and implement the project schedules to complete integration and commissioning of the systems as per the Integrated Project Schedule (IPS).

Major Duties/Responsibilities

china

eu

india

japan

korea

ruusia

usa

- Provides effective leadership for the Division, ensuring that team members are motivated and constantly developing their skills and experience;
- Manages the specification, procurement, assembly, and installation of the ITER Diagnostic System;
- Manages the integration and the design of the interfaces with other tokamak systems;
- Effectively interfaces with ITER Domestic Agencies responsible for procurement;
- Oversees and manages all technical aspects of these systems, develops detailed implementation plans for all work, and monitors and controls costs and schedules for all group activities;
- Ensures that the engineering design of the associated systems meets the requirements of the ITER machine;
- Supervises the scientists and engineers responsible for the design and timely procurement of all associated systems;
- Shows strong commitment to the ITER Safety Program and enforces it through individual behaviour and in his/her organization;
- Maintains a strong commitment to the implementation and perpetuation of ITER values and ethics.

Qualifications and Experience

- **Education:**
 - Advanced University degree (e.g. Ph. D.) or equivalent in Experimental Physics or other relevant discipline.

- ***Technical Experience:***
 - At least 15 years of relevant experience in Experimental Physics;
 - Experience in the design, installation and operation of diagnostics systems;
 - Knowledge of the ITER diagnostics systems and their technical requirements;
 - Ideally the successful candidate should have experience working on one of the world's large fusion devices.
- ***Project experience:***
 - Experience in managing a technical team on a complex developmental project.
- ***People Management experience:***
 - At least 10 years of people management experience;
 - Ability to effectively lead a group of professionals.
- ***Social Skills:***
 - Ability to work in a team and to promote team work;
 - Ability to work effectively in a multi-cultural environment.
- ***Language Requirements:***
 - Fluent in written and spoken English.
- ***Computer and IT skills:***
 - Skills consistent with managing a complex developmental project.

Direct Supervisor and Interfaces

- Reports to DDG for CODAC & IT, Heating & Current Drive, and Diagnostics;
- Interfaces with all other Departments within the ITER Organization as required.

Authority / Approval Levels

This position has authority and approval levels generally defined by the DDG for his/her scope of work.

Measures of Effectiveness

- Successfully builds up the Division and manages it effectively;
- Successfully maintains effective communications within the Division, with all interfacing ITER organizations, and with the Domestic Agencies;
- Completes design and procurement of the ITER Diagnostic System in a timely manner and within defined costs.