

# IO1071 Heating and Current Drive Division Head - CHD-010

## General information

Job category	Standard
Confidential	No
Status	Confirmed
Departments	CHD/Department for CODAC and IT, Heating and CD, Diagnostics
Divisions	CHD / Heating and Current Drive Division

## Job description

Main job	Executive Management - Executive Management
Title of the position	Heating and Current Drive Division Head - CHD-010
Type of contract	Fixed term contract
Duration of the contract	up to 5 years
Grade	D1
Direct employment	Required
Purpose	<p>ITER's Heating and Current Drive systems (HCD) provide the means to operate the plasma. They are a central part of the tokamak core and consist of various radio frequency (RF) systems as well as neutral beams and diagnostic neutral beam accelerators. Leading a group of engineers and technicians to procure the ITER's HCD components is essential in the coming years. In addition substantial design, research &amp; development related to the ITER HCD systems as well as the integration of the Heating system packages on ITER is required. Overall integration into the project schedules to complete the commissioning of the systems as per the integrated project schedule (IPS) is necessary to achieve ITER's operational performance. Heating and Current Drive systems in ITER include neutral beams for heating (HNB) and diagnostics (DNB), ion cyclotron heating &amp; current drive (ICH &amp; CD) system, electron cyclotron heating and current drive (ECH &amp; CD) system and lower hybrid current drive (LHCD) System.</p>
Main duties / Responsibilities	<p>Provides effective leadership for the Division, ensuring that team members are motivated and constantly developing their skills and experience;</p> <p>Manages the specification, procurement, assembly, and installation of the ITER HCD Systems;</p> <p>Manages the integration and the design of the interfaces with other tokamak systems;</p> <p>Effectively interfaces with the ITER Domestic Agencies responsible for procurement;</p> <p>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;</p>
Measures of effectiveness	<p>Ensures that the engineering design of the associated systems meets the requirements of the ITER machine;</p> <p>Supervises the scientists and engineers responsible for the design and timely procurement of all associated systems;</p> <p>Shows strong commitment to the ITER Quality Assurance and Safety Program and enforces it through individual behaviour and in his/her organization;</p> <p>Maintains a strong commitment to the implementation and perpetuation of ITER values and ethics.</p> <p>Successfully builds up the Division and manages it effectively;</p> <p>Successfully maintains effective communication within the Division, with all interfacing ITER organizations, and with the Domestic Agencies;</p> <p>Completes design and procurement of the ITER HCD Systems in a timely manner and within the defined cost;</p> <p>Successfully organizes R&amp;D at ITER Member parties.</p>

## Applicant criteria

Level of study	PhD or equivalent degree
Diploma	Physics or other relevant disciplines
Level of experience	15 to 19 years

Technical experience	At least 15 years of relevant experience in accordance with the position's responsibilities; Experience in the physics of plasma heating and current drive based on radio frequency ( ion cyclotron, electron cyclotron, &/or lower hybrid ) and beams; Experience in the design, installation and operation of HCD systems would be an advantage; Knowledge of the ITER HCD systems and their technical requirements would be an advantage; Ideally the successful candidate should have experience working on a large fusion device.
Project experience	10 to 15 years
People management experience	10 to 15 years
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team work
Specific skills	Skills consistent with managing a complex developmental project.
Languages	English (Fluent)
General skills	MS Office professional applications (Access, Project, Publisher, Visio ), MS Office standard applications (Word, Excel, Powerpoint, Outlook)

## Origin of the job

Entity	ITER ORGANIZATION
Recruitment reason	Replacement

## HR Follow-up

Email alerts	Every 10 applications
Main recruiter in charge	Hang Wang
Alert recipient(s)	Hang Wang
Publication default start date	2/1/2010
Publication default end date	2/28/2010
Automatic update	No