

IO1322 Heating and Current Drive Division Head CHD-010

General information

Job category	Standard
Status	Published
Department	DIP/Directorate for CODAC, Heating & Diagnostics
Division	CHD / Heating and Current Drive Division

Job description

Main job	Science - Physics
Title of the position	Heating and Current Drive Division Head CHD-010
Job family	Head of Division
Grade	D1
Direct employment	Required
Purpose	<p>To manage the three Sections that are responsible for the design, procurement, assembly, installation and commissioning of ITER's three baseline Heating and Current Drive systems; Electron Cyclotron, Ion Cyclotron and Neutral Beam respectively.</p> <p>To assure the enablement of all of the upgrades foreseen in the Baseline, including Lower Hybrid Current Drive.</p>
Main duties / Responsibilities	<ul style="list-style-type: none">- Manages the specification, procurement, assembly, installation and commissioning of the ITER H&CD Systems;- Manages the integration and the design of the interfaces with other tokamak systems;- Effectively interfaces with the 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; Provides effective leadership for the Division by: planning and allocating work assignments, offering coaching and mentoring, ensuring team members are motivated and constantly developing their skills and experience;- Executes and delivers the Detailed Work Schedule in support of the Strategic Management Plan for scope budget and schedule of the systems in the Division and contributes to the staffing of the Division;- Assures that IO's goals are achieved in a timely and effective manner, which meets safety, quality, cost and schedule targets;- Maximizes human capital and people's commitment to achieve the IO goals;- Provides leadership in safety;- Builds and maintains relationship with internal and external stakeholders;- Performs other duties linked to the above purpose upon management request, as necessary;- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics. <p>Reports to Director for the CODAC Heating & Diagnostics Directorate;</p> <p>Interfaces with all other Departments within the ITER Organization as required;</p> <p>In response to requests from the Director-General and/or Director of Department of ITER Project, or proactively, informs the Director-General/Director of Department for ITER Project of any important and urgent issues that cannot be handled by the concerned line management and may jeopardize the achievement of the Project's objectives.</p>
Measures of effectiveness	<p>Successfully ensure that the Division is adequately staffed with experienced personnel 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&D at ITER Member parties</p>

	<p>Responsible for Division deliverables that meet safety standards, quality schedule and cost requirements;</p> <p>Responsible for implementation of safety nuclear regulation and other safety standards of the Division's work;</p> <p>Responsible for adherence to technical standards.</p> <p>Project Construction Phase</p> <p>SAP ID: 50000308</p>
--	---

Applicant criteria

Level of study	Master or higher degree
Diploma	Physics or other relevant disciplines
Level of experience	At least 15 years
Technical experience	<ul style="list-style-type: none"> - 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 neutral 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 and knowledge of high temperature plasma physics.
People management experience	At least 10 years
Social skills	<p>Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit, Ability to communicate effectively, Good negotiation skills</p> <p>Experience managing a technical team on a complex developmental project;</p> <p>Ability to provide effective leadership;</p>
General skills	<p>Ability to motivate and develop the team members' skills and experience.</p> <p>Computer and IT Skills consistent with managing a complex developmental project.</p>
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)