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JOB DETAIL

Ref. IO1585 - 10/12/2015

Antennae Project Manager - TED-026

Main job	Design
Department	TED / Tokamak Engineering Department
Division	TED / Heating & Current Drive Division
Job Family	Coordinating Engineer
Application Deadline (MM/DD/YYYY)	11/03/2015
Grade	P4
Direct employment	Not required
Purpose	<p>To be responsible for the management of the design, the Research & Development (R&D) and procurement activities of Ion Cyclotron (IC) antennae and the budget for these activities.</p> <p>To assist in the design of other IC system packages.</p>
Main duties / Responsibilities	<ul style="list-style-type: none">• Is responsible for the R&D, design, and procurement activities of IC antennae;• Works with European Domestic Agency (F4E) on the qualification strategy of the Safety Important Components in the antenna design.• Assures that the antenna design is completed to meet the safety requirements, and quality requirements as classified by the project• Manages the contracts and resources allocated to the antenna design package• Assists in the design and interfaces to other IC system packages;• Manages the interfaces to the antenna in order to ensure compliance in the system in particular with the other ITER Plant Breakdown Structure (PBS).• Works in close contact with the F4E, responsible for the procurement packages of IC antennae, leading the design team.• Works in close contact with other Technical Responsible Officers of the IC system, and heating current drive systems and other ITER PBSs;• Manages the activities of antennae in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;• May be requested to be part of any of the project team dealing with the above activities and perform other duties upon management request;• Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics. <ul style="list-style-type: none">• Reports to Heating and Current Drive Division Head;• Interacts regularly with the Technical Responsible Officer (RO) of the transmission lines and RO of the IC system;• Acts as the primary point of contact for the antennae, interface between Domestic Agencies staff, Scientists and Technicians;• In response to requests from the Director-General and/or Tokamak Engineering Department (TED) Director, or proactively, informs the DG/TED Director 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.
Measures of effectiveness	<ul style="list-style-type: none">• Manages the completion of the IC antenna design and the Procurement Arrangement preparation meeting the Realistic lifecycle schedule baseline, on schedule and cost;• Follows the procurement of the IC antennae to ensure that the technical scope is satisfied, that the required

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documentation is produced and that all the deliverables are provided on time;

- Ensures that the IC antennae and the transmission lines perform accordingly to the Project requirements by working closely with the Responsible of the Transmission line procurement;
- Completes the design, R&D, qualification and procurement activities within the lifecycle cost estimates for the IC antennae;
- Manages efficiently the technical interfaces between the IC antennae and other Plant Breakdown Structures, such as buildings, cooling services and remote handling.

SAP ID: 50000305

Project Construction Phase

Level of study	At least Master's Degree or equivalent
Diploma	Physics fieldor electrical engineering or other
Level of experience	At least 10 years
Technical experience/knowledge	<div><div><div>– Knowledge of the ITER Ion Cyclotron Heating & Current Drive ICH&CD system and its technical requirements;</div><div>– Knowledge of High Frequency 3-D electromagnetic code to model complex RF structures.</div></div><div><div>– At least 10 years of relevant technical experience with high power IC systems is required;</div><div>– Experience in project management of large scale equipment;</div><div>– Experienced Physicist / Engineer and well-experienced in the design, manufacture and operation of IC additional heating systems, extensive experience with design, fabrication, matching, and operation of multi-megawatt IC antennae for fusion applications;</div></div><div><div>– Previous experience of the technical management of the procurement of comparable equipment would be highly desirable;</div><div>– Project Management experience is required</div></div></div>
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	<div><div>– Proficiency in the use of Microsoft Office products - particularly Word, Power Point and Excel;</div><div>– Ability to perform technical calculations using appropriate software tools (eg Matlab), as and when necessary.</div></div>
Languages	English (Fluent)

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