

# IO1585 Antennae Project Manager - TED-026

## General information

Job category	Standard
Status	Published
Department	TED / Tokamak Engineering Department
Division	TED / Heating & Current Drive Division

## Job description

Main job	Engineering - Design
Title of the position	Antennae Project Manager - TED-026
Job family	Coordinating Engineer
Grade	P4
Direct employment	Not required
Purpose	<p>To be responsible for the management of the design, the Research &amp; Development (R&amp;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	<p>Is responsible for the R&amp;D, design, and procurement activities of IC antennae;</p> <p>Works with European Domestic Agency (F4E) on the qualification strategy of the Safety Important Components in the antenna design.</p> <p>Assures that the antenna design is completed to meet the safety requirements, and quality requirements as classified by the project</p> <p>Manages the contracts and resources allocated to the antenna design package</p> <p>Assists in the design and interfaces to other IC system packages;</p> <p>Manages the interfaces to the antenna in order to ensure compliance in the system in particular with the other ITER Plant Breakdown Structure (PBS).</p> <p>Works in close contact with the F4E, responsible for the procurement packages of IC antennae, leading the design team.</p> <p>Works in close contact with other Technical Responsible Officers of the IC system, and heating current drive systems and other ITER PBSs;</p> <p>Manages the activities of antennae in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;</p> <p>May be requested to be part of any of the project team dealing with the above activities and perform other duties upon management request;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p>
Measures of effectiveness	<p>Reports to Heating and Current Drive Division Head;</p> <p>Interacts regularly with the Technical Responsible Officer (RO) of the transmission lines and RO of the IC system;</p> <p>Acts as the primary point of contact for the antennae, interface between Domestic Agency's staff, Scientists and Technicians;</p> <p>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.</p> <p>Manages the completion of the IC antenna design and the Procurement Arrangement preparation meeting the Realistic lifecycle schedule baseline, on schedule and cost;</p> <p>Follows the procurement of the IC antennae to ensure that the technical scope is satisfied, that the required documentation is produced and that all the deliverables are provided on time;</p> <p>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;</p> <p>Completes the design, R&amp;D, qualification and procurement activities within the lifecycle cost estimates for the IC antennae;</p> <p>Manages efficiently the technical interfaces between the IC antennae and other Plant Breakdown Structures, such as buildings, cooling services and remote handling.</p>

## Applicant criteria

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