

# IO1998 Tokamak Assembly Field Engineer CST-096

## General information

Job category	Standard
Status	Published
Department	CST / Construction Department
Division	CST / Tokamak Assembly Division
Section	CST/TAD/Sector Module Assembly Section

## Job description

Main job	Engineering - Mechanics
Title of the position	Tokamak Assembly Field Engineer CST-096
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	<p>To lead the preparation for the assembly and commissioning of the Toroidal Field (TF) Coils in the tokamak pit.</p> <p>To assist magnet Responsible Officer (RO) with the design and procurement of the Toroidal Field (TF) Coils.</p> <p>Develops Tokamak Assembly Engineering work packages related to the assembly and commissioning of the TF coils, including surveillance of construction work execution;</p> <p>Acts as the Magnet Responsible Officer (RO) with the design, qualification, and manufacture, of the TF magnets through on-site assembly and commissioning, when necessary;</p> <p>Defined and manages TF coil interfaces, alerting the RO or line management when necessary;</p> <p>Contributes to the design changes and analysis of the TF winding packs and TF coil cases;</p> <p>Monitors the schedule updates provided by the Domestic Agencies (DAs), and ensures the manufacture and delivery of TF coils proceed within the defined schedule;</p> <p>Writes specifications, estimates budget, manages the call for tender, and acts as RO on service contracts related to analyses, design, development, or qualification/test of systems and components in relation to TF coils and their interfaces;</p> <p>Monitors TF winding pack fabrication and ensures proper implementation of Quality Control (QC) standards. Ensures that the required quality documentation for the TF coils is supplied;</p> <p>Receives, evaluates, and determines final disposition of all Non-Conformity Reports (NCR) related to the TF Coils under TRO's responsibility;</p> <p>Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;</p> <p>Communicates and Collaborate with the Quality Assurance &amp; Assessment Division and Environmental Protection &amp; Nuclear Safety Division to ensure compliance with ITER QA program and safety requirements;</p>
Main duties / Responsibilities	<p>May be required to work outside normal working hours, including nights, weekends and public holidays;</p> <p>May be requested to be part of any of the project/construction teams and to perform other duties in support of the project schedule as described in the Construction Detailed Work Schedule upon management request;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>Reports to Sector Module Assembly Section Leader;</p> <p>In response to requests from the Director-General and/or Construction Department (CST) Head or proactively, informs the DG/ CST Department Head 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>Develops and monitors efficiently the plan ensuring a proper preparation for the assembly and commissioning of the Toroidal Field (TF) Coils;</p> <p>Ensures a proper procurement management on quality, schedule and cost for the defined scope and alerts line manager when necessary;</p>

Measures of effectiveness	<p>Ensures appropriate definition of interfaces between tools and components and their management;</p> <p>Provides an efficient assistance for design, qualification and manufacture;</p> <p>Ensures compliance with the ITER Quality Assurance (QA) program and safety requirements.</p>
	<p>Project Construction Phase</p> <p>SAP ID 50002404</p>

Applicant criteria

Level of study	Master or equivalent degree
Diploma	in Mechanical Engineering
Level of experience	At least 8 years
Technical experience/knowledge	<p>At least 8 years' experience in the design, manufacture or assembly of large super-conducting magnets or similar components;</p> <p>At least 3 years' experience of contract management;</p> <p>Good knowledge of manufacturing processes, including experience with stainless steels;</p> <p>Good knowledge of QA systems and their practical application in a manufacturing environment.</p> <p>Experience of the practical application of 3D large volume metrology systems would be an advantage;</p> <p>Experience of procurement and tendering, including writing technical specifications and other technical documentation for tenders and contracts would be an advantage.</p> <p>Extensive experience in similar jobs (involving similar work responsibilities) and/or additional training certificates in relevant domains may be considered a reasonable substitute for the required educational degree.</p>
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	<p>Ability to work autonomously and take initiative with a proactive attitude;</p> <p>Ability to facilitate dialogue with a wide variety of contributors and stakeholders;</p> <p>Ability to listen and adjust communication content and style to deliver messages;</p> <p>Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.</p>
Languages	English (Fluent)
Specific skills	CATIA, Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	<p>Computer literate and proficient in the use of the Microsoft Office software suite;</p> <p>Working knowledge of CAD, especially CATIA V5, and database management software would be an advantage.</p>