

IO1552 Mechanical Engineer TED-013

General information

Job category	Standard
Status	Published
Department	TED / Tokamak Engineering Department
Division	TED / Vessel Division
Section	TED / VV / Cryostat & VVPSS Section

Job description

Main job	Engineering - Mechanics
Title of the position	Mechanical Engineer TED-013
Job family	Coordinating Engineer
Grade	P4
Direct employment	Not required
Purpose	<p>To be responsible for completing the design, and all technical interface aspects of the Vacuum Vessel Pressure Suppression System (VVPSS).</p> <p>To be responsible for overseeing the construction assembly & testing of the VVPSS. Also responsible for coordination of VVPSS interfaces with other ITER components and building, including penetrations and supports.</p>
Main duties / Responsibilities	<p>Is responsible for design, construction and assembly of the VVPSS including all processes such as material, structural design, factory manufacturing, on-site installation and assembly, inspection and transportation;</p> <p>Completes the design of the VVPSS, and design support to fabrication, assembly, and commissioning support for the VVPSS;</p> <p>Reviews the structural analysis reports in the context of mechanical engineering Codes and Standards. (ASME etc.);</p> <p>Coordinates and manages all interfaces with other ITER components and buildings, including penetrations and supports;</p> <p>Develops and establishes the Procurement Arrangement (PA) and technical specifications with Domestic Agencies (DAs) in close relation with Procurement & Contracts Division;</p> <p>Provides support in the licensing activities for safety design and assessment including technical requirements such as codes and standards in close relation with Safety Department;</p> <p>Is responsible for the consistency of the VVPSS construction planning in relation to the ITER construction, commissioning and operation plan; Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan & upon management request;</p> <p>May be requested to belong to any project team dealing with 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> <p>Reports to Cryostat & VVPSS Section Leader;</p> <p>Works in close contact with DAs and the ITER sections/divisions in charge of the ITER components and buildings interfaced with the VVPSS and design integration for on-site installation and assembly;</p> <p>In response to requests from the Director-General and/or Head of Tokamak Engineering Department (TED) , or proactively, informs the DG/ Head of TED 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>Completes procurement activities of the VVPSS in a timely manner and within defined costs;</p> <p>Generates and maintains coherent, comprehensive and understandable design documentation;</p> <p>Maintains effective communications within the Iter Organization;</p> <p>Manages VVPSS interfaces design with other Tokamak Engineering Department systems;</p> <p>Manages the oversight of the VVPSS fabrication and coordination and communication with the DAs;</p> <p>Completes procurement activities of the VVPSS in a timely manner and within defined cost.</p>

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Engineering field or other relevant discipline
Level of experience	At least 10 years
Technical experience/knowledge	At least 10 years' experience in construction, assembly and installation of large pressure vessels;
	Experience in fabrication technology (forming, welding, and Non-Destructive Testing (NDT) of large vessel structures and experience with using the conventional pressure vessel codes such as ASME;
	Experience in the area of structural design, manufacturing of mechanical components, codes & standards and quality assurance;
	Experience in the design and technical requirements of the ITER mechanical components and Tokamak assembly.
	Basic 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
General skills	Ability to communicate clearly and write technical reports and specifications in English.
Languages	English (Fluent)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)