

IO2047 Equipment Manufacturing Resp. Officer TCWS-041

General information

Job category	Standard
Status	Published
Department	PED / Plant Engineering Department
Division	PED / Tokamak Cooling Water System Division

Job description

Main job	Engineering - Manufacturing, welding
Title of the position	Equipment Manufacturing Resp. Officer TCWS-041
Job family	Coordinating Engineer
Grade	P4
Direct employment	Not required
Purpose	<p>To assure the IO Manufacturer supervision role during the Tokamak Cooling Water System (TCWS) mechanical equipment and piping procurement, fabrication and installation, within the defined cost, scope and schedule;</p> <p>To be part of the TCWS Project Team (PT) and to integrate on-site activities in close collaboration with the IO Construction Department and Construction Management as Agent (CMA).</p> <p>To be accountable for contract management for the ITER Organization (IO) manufacturing activities.</p>
Main duties / Responsibilities	<p>Is Technical Responsible Officer for the assigned contract(s) for manufacturing activities;</p> <p>Prepares technical specifications for the assigned equipment(s);</p> <p>Prepares the tendering documents needed for his/ her assigned contracts in collaboration with Procurement and Contracts Division;</p> <p>Collaborates with the supplier to define the best technical solutions during the detailed design / manufacturing of the components;</p> <p>Follows-up the manufacturing process by reviewing all supplier documentation/drawings, integrating updates from design/site construction, attending manufacturing hold points, coordinating between the Agreed Notified Body (ANB), the supplier and the ITER Nuclear-Non Nuclear Pressurized Equipment Network, etc.;</p> <p>Assesses Supplier Deviation Requests and Non-Conformities and proposes solutions by minimizing their impact on cost and schedule as well as on already designed, manufactured and installed components;</p> <p>As member of the TCWS PT, ensures technical interfaces between TCWS PT and all other stakeholders, both IO and industry, in his/ her area of responsibility;</p> <p>Prepares the Manufacturing Readiness Review and the Delivery Readiness Review and makes sure that all identified issues are timely solved;</p> <p>Issues inspection and observation reports for supervision activities during manufacturing;</p> <p>Assures consistency among the mechanical and piping systems in his/her area of responsibility in installation phase and the engineering work packages issued by Engineering Departments;</p> <p>Follows the resolution of non-conformances related to his/her area of responsibility;</p> <p>Assists during testing and commissioning of components that are installed under her/his responsibilities and alerts line management when necessary;</p> <p>Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;</p> <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;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, ITER Values (Trust; Loyalty; Integrity; Excellence; Team mind set; Diversity and Inclusiveness) and Code of Conduct.</p> <p>Under the coordination of the TCWS Project Team Leader, reports to the Division Head of TCWS;</p> <p>Acts as interface with other internal and external resources for the installation activities for all Plant Areas;</p>

Measures of effectiveness	In response to requests from the Director-General (DG) and/or Plant Engineering Department (PED) Head, or proactively, informs the DG/ PED 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>Timely issue or review / approval of technical specifications;</p> <p>Efficient contracts management for manufacturing Activities within the define cost and schedule;</p> <p>Assures timely delivery of components compliant with all the requirements;</p> <p>Timely and accurate reporting on the status of the fabrication and installation;</p> <p>Ensures the efficient execution of actions related to construction for his/her scope of activities, within the defined cost, scope and schedule;</p> <p>Manages effectively the interfaces associated with his/her scope of activities;</p> <p>Contributes efficiently to ensuring satisfaction of safety and functional requirements flow-down.</p>

Applicant criteria

Level of study	Master or equivalent degree
Level of experience	At least 10 years
Technical experience/knowledge	<p>At least 10 years of experience in manufacturing of nuclear components (heat exchangers, tanks, pressurizers) and contract management;</p> <p>Proven experience in the fabrication and installation supervision of large and complex systems for nuclear plants or oil and gas sectors;</p> <p>Master's Degree or equivalent in mechanical/nuclear engineering with competences in construction, installation and testing of mechanical components and piping systems;</p> <p>Very good knowledge of equipment (heat exchangers, tanks, pressurizers) fabrication processes and installation procedures as well as welding techniques, testing and non-destructive techniques;</p> <p>Good knowledge of structural supports systems, steel structures construction as well as fixation systems for nuclear plants;</p> <p>Knowledge of international Mechanical components and piping systems standards;</p> <p>Knowledge of the French ESP/ESPN regulations and practical application will be considered advantageous.</p>
General skills	<p>Experience in field installation supervision of plant static and rotating equipment;</p> <p>Demonstrated experience in installation, commissioning and operation of mechanical components and piping systems, including safety relevant components;</p> <p>Proven experience in follow-up of equipment subject to ESP/ESPN will be considered an advantage;</p> <p>Proven experience in managing a NB/ANB will be considered an advantage.</p>
Languages	<p>The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains;</p> <p>English (Fluent)</p>
Others	<p>Ability to work autonomously with minimal supervision;</p> <p>Collaborate: Ability to dialogue with a wide variety of contributors and stakeholders;</p> <p>Communicate Effectively: Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment;</p> <p>Drive results: Ability to persist in the face of challenges to meet deadlines with high standards;</p> <p>Manage Complexity: Ability to gather multiple and diverse sources of information to define problems accurately before moving to proposals;</p> <p>Instil trust: Ability to apply high standards of team mind-set, trust, excellence, loyalty and integrity.</p> <p>Knowledge of Microsoft Office standard (Word, Excel, PowerPoint, Outlook) is required;</p> <p>Knowledge of 2D-3D CAD software (AVEVA PDMS, Intergraph Smartplant or Catia) is appreciated.</p>

