

IO1594 Assembly Engineer CST-005

General information

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

Job description

Main job	Engineering - Construction
Title of the position	Assembly Engineer CST-005
Job family	Coordinating Engineer
Grade	P4
Direct employment	Not required
Purpose	<p>To plan and manage the Vacuum Vessel Assembly Welding (VVAW) contract to quality, schedule, and cost;</p> <p>To elaborate and implement the Assembly Plan and Procedures for the vacuum vessel, port structures, bellows and penetrations;</p> <p>To develop the assembly of the hardware focusing on integration, logistics, schedule and cost, for verifying system constructability through collaboration with the system design teams.</p>
Main duties / Responsibilities	<p>Supports the Section/Division Head in matters related to the assembly of the vacuum vessel, port structures and in-vessel components;</p> <p>Is responsible for the planning and management of the VVAW contract for site-assembling the Vacuum Vessel and Port Structures;</p> <p>Develops and elaborates concepts for assembling and aligning the vacuum vessel, port structures bellows and penetrations;</p> <p>Elaborates assembly procedures, schedules, and resource forecasts and cost estimates for engineering and other technical activities relating to the execution of the work;</p> <p>Identifies and conceptualizes related assembly tooling;</p> <p>Harmonizes interfaces between components, tooling and assembly sequence and procedures, and initiates necessary design changes;</p> <p>Participates in the Vacuum Vessel Project Team as required;</p> <p>Ensures compliance with the applicable Decrees, Directives, and Codes and Standards;</p> <p>Ensures the work is carried out in compliance with the requirements of the ITER quality system;</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;</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>
Measures of effectiveness	<p>Reports to the Tokamak Assembly Section/Division Head;</p> <p>Interfaces directly with all ITER Organization Departments and Offices ;</p> <p>Directly interfaces with project team at all levels;</p> <p>In response to requests from the Director-General and/or Construction DepartmentHead, or proactively, informs the DG/Construction 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>Elaborates, maintains and implements the Assembly Plan for the vacuum vessel and port structures;</p> <p>Manages the VVAW contract to quality, schedule and cost;</p> <p>Generates and maintains coherent, comprehensive and understandable documentation;</p> <p>Maintains effective communication within the ITER Organization and with partner organizations;</p> <p>Completes the objectives set in agreement with the Tokamak Assembly Section/Division Head on schedule and to cost.</p>

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Mechanical Eng. field or other relevant discipline
Level of experience	At least 10 years
Technical experience/knowledge	<p>Expert knowledge of high-quality welding processes, and knowledge of the associated NDE techniques, including vacuum leak testing; a formal qualification and affiliation to a recognized professional welding institution would be an advantage;</p> <p>Working knowledge of the French Quality Order and applicable EU Directives, including PED, ESPN, and Machinery Directive;</p> <p>Knowledge of Nuclear Construction Codes; knowledge of RCC-MR would be an advantage;</p> <p>At least 10 years' experience related to the, manufacture and site assembly of large, high quality mechanical systems;</p> <p>Minimum of 5 years' experience in a coordinating role;</p> <p>Minimum of 5 years' nuclear experience is required;</p> <p>Experience in the practical application of Quality Assurance systems ;</p> <p>Experience in the fusion related technologies, such as Ultra High Vacuum (UHV) would be desirable;</p> <p>Experience in managing major engineering contracts; knowledge of FIDIC forms of contract would be an advantage;</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>Experience of international procurement and tendering</p> <p>Experience in Project Management is required.</p> <p>Demonstrated ability to deliver quality results on tight timescales;</p>
Languages	English (Fluent)
Others	<p>Proficiency in the use of the Microsoft Office suite of software;</p> <p>Experience of CAD, structural analysis and PLM software would be an advantage.</p>