

IO1178 Assembly & Installation Tooling Engineer CIE-TKM42

General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Central Integration & Engineering
Division	CIE / Assembly & Operations Division
Section	CIE / AOP / Machine Assembly & Installation Section

Job description

Main job	Engineering - Mechanics
Title of the position	Assembly & Installation Tooling Engineer CIE-TKM42
Job family	Project engineering
Grade	P4
Direct employment	Not required
Purpose	<p>To support the Machine Assembly & Installation Section Leader in matters related to the provision, operation and maintenance of the tools required to install and assemble ITER plant systems and mechanical components; with particular emphasis on core tokamak components.</p> <p>To participate in the development and elaboration of the strategies and solutions necessary to efficiently define and procure the tooling hardware;</p> <p>To prepare and implement resource-loaded plans for the work; including the co-ordination of the resources assigned to support the work.</p>
Main duties / Responsibilities	<p>Supports the Machine Assembly and Tooling Section Leader in all matters related to the provision, operation and maintenance of assembly, installation and maintenance tools; these include lifting, transporting, skidding, jacking, assembly jigs and fixtures, welding, machining, large volume metrology and standard tools.</p> <p>Working with assembly and installation engineers, identifies the necessary tools for installation and assembly tasks, ensuring necessary optimization and standardization;</p> <p>Develops and maintains lifecycle plans for each tool or class of tool;</p> <p>Develops, in close collaboration with Procurement and Contracts Division, the most appropriate and cost effective sourcing strategies: purchase, lease, or service contract;</p> <p>Develops designs and technical specifications; Documents and controls interfaces;</p> <p>Manages the engineering design processes and validates the designs developed by tooling suppliers, ensuring best value for money and compliance with technical requirements and schedule;</p> <p>Ensures compliance with the ITER Quality Assurance (QA) program, and safety requirements;</p> <p>Produces regular status reports;</p> <p>In the capacity of Responsible Officer, also manages the Procurement Arrangement for those assembly tools which are being supplied by the Korea DA;</p> <p>Performs other duties linked to the above purpose upon management request, as necessary;</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Breakdown Structure Schedule or Strategic Management Plan;</p> <p>Performs other duties linked to the above purpose upon management request, as necessary;</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 Machine Assembly and Installation Section Leader</p> <p>Interfaces directly with all Departments of the ITER Organization</p> <p>In response to requests from the Director-General and/or the Director for Central Integration and Engineering, or proactively, informs the DG/Director for Central Integration and Engineering 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>Successfully carries out all of the duties/responsibilities described above;</p> <p>Successfully generates and maintains coherent, comprehensive, and understandable documentation;</p> <p>Successfully maintains effective communications within the ITER Organization, and the</p>

Domestic Agency;
 Successfully complies with the ITER Quality Assurance (QA) program and safety requirements;
 Successfully completes the objectives set in agreement with the leader of the Machine Assembly and Installation Section.

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Mechanical Engineering
Level of experience	At least 10 years
Technical experience	<p>At least 10 years' field construction experience in the areas of installation and assembly of large heavy precise structures with emphasis on the design, provision, operation and maintenance of the associated tools, as indicated above;</p> <p>At least 5 years' experience in the alignment of large scale precision structures and plant systems utilizing large volume metrology techniques;</p> <p>Extensive knowledge of health and safety requirements for lifting and handling of heavy loads and in confined spaces;</p> <p>Extensive knowledge of QA systems, and their practical application;</p> <p>Experience in international procurement and tendering.</p>
Project experience	At least 10 years
General skills	<p>Proactive, with drive and initiative;</p> <p>Ability to work as a member of a multi-cultural team, but also to work independently when required;</p> <p>Ability to interface with team members at all levels and with members in the Domestic Agencies;</p> <p>Ability to write clear and concise reports;</p>
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)