

# IO1404 Mechanical & Piping Installation Eng. CIE-214

## General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Project Control & Assembly
Division	PCA / Assembly & Operations Division
Section	PCA / AOP / Machine Assembly & Installation Section

## Job description

Main job	Engineering - Mechanics
Title of the position	Mechanical & Piping Installation Eng. CIE-214
Job family	Coordinating Engineer
Grade	P4
Direct employment	Not required
Purpose	<p>To manage and co-ordinate the construction of the site-wide mechanical and piping systems, including the cooling water and vacuum pumping systems;</p> <p>To be responsible for developing an overall strategy for completing the installation of the hardware, focusing on integration, logistics, schedule and cost, for ensuring system constructability through collaboration with the system designers;</p> <p>To be responsible for the elaboration of the processes required to construct the system hardware, the preparation, maintenance and integration of the installation schedule and the associated resource and cost estimates, and the identification of the required tooling.</p> <p>Supports the Section in all matters related to the installation of the site-wide mechanical and piping systems;</p> <p>Develops installation processes, ensuring consistency of approach and conformity with the Construction schedule;</p> <p>Ensures that interfaces are clearly defined;</p> <p>Participates in the evaluation of the engineering designs, provides expert guidance on design, installation and maintenance aspects;</p> <p>Establishes the Constructability of the systems;</p> <p>Ensures compliance with the applicable Decrees, Directives, and Codes and Standards;</p> <p>Coordinates the preparation of schedules, resource requirements and cost estimates;</p> <p>Prepares the technical specifications for the associated, principal site works contracts;</p> <p>Supervises the work of construction for plant systems in the worksite;</p> <p>Participates in acceptance of components, including preparation of test and acceptance criteria where appropriate;</p>
Main duties / Responsibilities	<p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the 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> <p>Reports to the Machine Assembly &amp; Installation Section Leader;</p> <p>Interfaces directly with all ITER Organization Departments and Directorates;</p> <p>Directly interfaces with project team at all levels;</p> <p>In response to requests from the Director-General and/or Project Control &amp; Assembly (PCA) Directorate Director, or proactively, informs the DG/PCA Directorate Director 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>Elaborates, maintains and implements the Assembly Plan for the machine diagnostic systems;</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>Communicates with the designers of the ITER machine components to formulate and validate the Assembly Plan and Procedures;</p> <p>Completes the objectives set in agreement with the leader of the Machine Assembly &amp; Installation Section Leader on schedule and to cost.</p>

## Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Nuclear Mechanical Engineering
Level of experience	At least 10 years
Technical experience	<p>At least 10 years' experience in the site construction of large, complex, Nuclear grade pipework systems;</p> <p>Knowledge in design codes and directives for pressure vessels and piping systems in the nuclear field (e.g. ANSI B31.3, ASME, ESP-ESPN, etc.);</p> <p>Knowledge of Ultra-High Vacuum installations and radiation shielding is required;</p> <p>5 years' experience in a coordination role;</p> <p>Substantial expertise in the field of welding technologies, weld design, qualification and Quality Control in particular, non-destructive examination;</p> <p>Conversant with lifting and handling and occupational safety regulations;</p> <p>Extensive knowledge of Quality Assurance systems and their practical application;</p> <p>Demonstrated ability to deliver quality results on tight timescales;</p> <p>Experience of international procurement and tendering.</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	Substantial experience in Project and Construction Management is required.
Languages	English (Working)
Specific skills	Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	<p>Proficiency in the use of the Microsoft Office suite of software;</p> <p>Experience of CAD and PLM software would be an advantage.</p>