IO2068 Mechanical Engineer PED-163 & 166

General information

Job category	Standard
Status	Published
Department	PED / Plant Engineering Department
Division	PED / Field Engineering Installation Division

Job description

Main job	Engineering - Mechanics
Title of the position	Mechanical Engineer PED-163 & 166
Job family	Engineer - 1
Grade	P2
Direct employment	Not required
	Two openings
Purpose	To assure the Operator Supervision Role during Mechanical and Piping installation in defined Worksites within the defined cost, scope and schedule; To assure the supervision of co-activity and the integration of the activities between ITER Organization (IO) Contractors, Construction Management as Agent (CMA) and Domestic Agencies' (DA) contractors; To develop the strategy to optimize the installation sequences, taking into account the in-kind contributions availabilities and buildings availabilities; To prepare and monitors the commissioning of the systems which have been installed.
Main duties / Responsibilities	Coordinates technical interfaces between the Construction Management Agent (CMA) and the IO Engineering Departments, in his/her area of responsibilities; Leads the review process of any Installation Procedures, Inspection & Test Plans and the installation testing issued by the Contractor in his/ her area of responsibility; Participates and issues inspection and observation reports when and where required; 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; Follows the resolution of the field engineering changes and installation non-conformance related to his/her area of responsibility and manages their implementation; Controls testing and commissioning of components that are installed under her/his responsibilities and alerts line management when necessary; Is responsible in defining and implementing the installation sequences and schedule related to the installation of all ITER mechanical & piping system in his/her area of competencies; Is in charge of the commissioning of mechanical sub-systems and systems; Implements all procedures according to ITER organization rules to be operator of some mechanical systems following commissioning completion; May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays; May be requested to be part of any of the project/construction teams and to perform other duties in support of the project schedule; 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; Under the supervision of the Mechanical and Piping Installation Surveillance Group Leader, reports to the Field Engineering Installation Division Head.
Measures of effectiveness	Ensures a timely and accurate reporting on the status of the fabrication and installation; Assures the completion of the installation of mechanical components, including a proper implementation of safety requirements and QA/QC requirement; Manages the handover of Engineering Work Packages (EWP) to CMA; Ensures the efficient execution of actions related to construction for his/her scope of activities, within the defined cost, scope and schedule; Manages effectively the interfaces associated with his/her scope of activities.

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Mechanical Engineering
Level of experience	At least 5 years
Technical experience/knowledge	At least 5 years of experience in the construction, installation and testing of large and complex mechanical components and piping systems for oil and gas or nuclear plants; Experience in supervision roles for industrial plant installation. including knowledge of piping fabrication and installation procedures as well as welding techniques, testing and Non Destructive Techniques, Experience in piping supporting systems technologies, steel structures construction as well as fixation systems for oil and gas or nuclear plants; Experience in field installation supervision of plant static equipment, like pressure vessels and heat exchangers is considered as an advantage; Experience in field installation supervision of plant rotating equipment, like pumps and compressors; Knowledge in commissioning and operation of mechanical systems; Basic knowledge of large capacity Cooling Towers and open cooling circuits.
General skills	Good knowledge of Quality Assurance/Quality Control procedures for the installation, commissioning and operation of mechanical components and piping systems, including safety relevant components; Knowledge of Pressure Equipment Directive for piping systems and other pressure equipment applicable during installation and testing; Knowledge of international Mechanical components and piping systems standards. Knowledge of fusion related technologies and systems will be considered advantageous; The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains.
Languages	English (Fluent)
Others	Knowledge of 3D CAD plant software (AVEVA and Catia or Smartplant) is advantageous Knowledge of MS Office standard (Word, Excel, PowerPoint, Outlook) is required. Ability to write clear reports and dialogue with a wide variety of contributors and stakeholders; Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment; Ability to persist in the face of challenges to meet deadlines with high standards; Ability to gather multiple and diverse sources of information to define problems accurately before moving to proposals; Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.