

IO1642 Cryogenic Commissioning Engineer - PED-035

General information

Job category	Standard
Status	Published
Department	PED / Plant Engineering Department
Division	PED / Cooling Systems Engineering Division
Section	PED / CSED / Cryogenic System Section

Job description

Main job	Engineering - Cryogenics
Title of the position	Cryogenic Commissioning Engineer - PED-035
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	<p>To prepare the pre-commissioning and commissioning of the ITER Cryogenic System.</p> <p>To contribute to the integrated commissioning of ITER coupling cryogenic system with Clients and Auxiliaries.</p> <p>In the frame of the four major Cryogenic Contracts and Purchase agreement (PA), it is required to perform the following:</p> <ul style="list-style-type: none">Reviews all Process related document (Process Flow Diagram (PFD), Project Integration Documents (PID), Process Note, Functional Analysis)Reviews all Clients (Magnets, Vacuum) Interface Document (Process, Process Control, Protection)
Main duties / Responsibilities	<p>Contributes to the System Overall Process description in preparation for the commissioning.</p> <p>Contributes to the development and tests of the Control System and Human Machine Interface.</p> <p>Contributes to the development of a dynamic simulator.</p> <p>Reviews, compiles and classifies documentation related to equipment start-up and operation.</p> <p>Elaborates strategy for spare parts and operating supplies procurement and storage.</p> <p>Prepares the pre-commissioning and commissioning procedures, sequences and planning.</p> <p>Contributes to coordination of installation, pre-commissioning and commissioning activities.</p> <p>Provides process/equipment expertise during pre-commissioning, start-up and tuning.</p> <p>Provides support to cryogenic System Users and Utilities during commissioning.</p> <p>Prepares tests reports for plant acceptance certificate.</p> <p>Contributes to plant operation and maintenance management;</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 be part of any of the project team dealing with the 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> <p>Under the supervision of the functional analysis and commissioning Responsible Officer, reports to the Cryogenics Section Leader;</p> <p>Works in collaboration with Industrial Contractors;</p> <p>Works in collaboration with Domestic Agencies (Indian Domestic Agency (INDA) and European Domestic Agency (F4E));</p> <p>Works in collaboration with Site Coordinator (ITER Organization, F4E, Site Coordinator, Health Safety & Environment);</p> <p>In response to requests from the Director-General and/or Plant Engineering Department (PED) Head, or proactively, informs the DG/ PED Head of any important and urgent issues to be properly managed not to jeopardize the achievement of the Project's objectives.</p> <ul style="list-style-type: none">- Assures that overall Process description is finalized in view of commissioning;- Manages Pre-commissioning and Commissioning planned activities;- Maintains Spare Parts and Operating supplies for pre-commissioning and commissioning ;- Coordinates of Pre-Commissioning and Commissioning Activities;

Measures of effectiveness	<ul style="list-style-type: none"> - Maintains a high level of expertise for the start-up of individual equipment and for the tuning of the system; - Maintains a high level of expertise for the operation of the system; - Performs organizational skills: implement efficient organization based on clear plans and procedures.
	Project Construction Phase

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Thermodynamics, Process & Control, Instrumentation
Level of experience	At least 8 years
Technical experience/knowledge	<p>Education in Thermodynamics, Process, Process Control, Instrumentation, Rotating Machinery;</p> <p>At least 8 years in process engineering and cryogenics.</p> <p>At least 3 years as commissioning engineer on Process Plants;</p> <p>Experience in the field of Rotating Machinery (Electrical Motors, Compressors);</p> <p>Experience in planning activities and resources related to commissioning;</p> <p>Experience in Site Installation and Commissioning implementation;</p> <p>Basic Project Management experience is required</p>
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
Languages	English (Fluent)
Others	<p>MS Office;</p> <p>Knowledge in Siemens Programmable Logic Control (PLC) Software will be a plus.</p>