

IO1421 Cryogenic Distribution System Engineer CEP-146

General information

Job category	Standard
Status	Published
Department	DIP/Department for ITER Project
Division	PSE/Plant Engineering Division
Section	PSE/ PED/ Cryogenic System Section

Job description

Main job	Engineering - Cryogenics
Title of the position	Cryogenic Distribution System Engineer CEP-146
Job family	Engineer - 1
Grade	G6
Direct employment	Required
Purpose	<p>To oversee and review the ITER Cryodistribution design, manufacturing, installation, commissioning and operation.</p> <p>To identify and execute technical studies, establish and review baseline documentation, design, procurement, implementation, commissioning, operation and maintenance of all functions required for the correct and safe running of the ITER cryodistribution system.</p> <p>Oversees and review the Cryodistribution design, manufacturing, installation, and commissioning activities;</p> <p>Prepares and reviews the technical specifications of Cryodistribution components;</p> <p>Prepares and reviews the functional analysis and process control of Cryodistribution in accordance with interfacing system;</p> <p>Prepares and reviews the Cryodistribution process control logic and execute its implementation;</p> <p>Plans and executes the required testing, commissioning and operation program for the cryo-distribution and cryogenic system;</p> <p>Monitors and review the detailed design developed by the Domestic Agencies (DAs);</p> <p>Trains the operators of the cryogenic 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>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>
Main duties / Responsibilities	<p>Reports to the Cryogenic System Section Leader;</p> <p>Acts as an interface between the Cryogenic System Section and Domestic Agencies and Subcontractors;</p> <p>In response to requests from the Director-General (DG) and/or Director of Plant System Engineering, or proactively, informs the DG/ Director of PSE Directorate 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>Oversees the design, manufacturing, installation and commissioning of the cryodistribution system;</p> <p>Implements the cryodistribution system control logic and testing</p> <p>Tests performance to prepare commissioning of the Cryogenic system;</p> <p>Maintains effective and cooperative communications with all parties involved in the cryodistribution system.</p>
Measures of effectiveness	<p>Project Construction Phase</p>

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Cryogenics, mechanical, nuclear or other relevant

Level of experience	At least 5 years
Technical experience	At least 5 years' experience in the manufacturing, installation and testing of large cryogenic systems; Experience in cryogenics instrumentation and components.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
Languages	English (Working)
Specific skills	Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	Required Knowledge: - Cryogenics and nuclear design code and standards; - Factory acceptance tests and commissioning of large scale cryogenic system; - 2D-3D CAD software is considered as an advantage.