

IO1165 Deputy Magnet Division Head - TKM-014

General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Tokamak
Division	TKM / Magnet Division

Job description

Main job	Engineering - Mechanics
Title of the position	Deputy Magnet Division Head - TKM-014
Job family	Project engineering
Grade	P5
Direct employment	Required
Purpose	<p>To represent or act as deputy for the Magnet Division Head when needed.</p> <p>To assist the Magnet Division Head to manage the Division and the overall mechanical-electrical integration design aspects of the ITER coils, providing expert input for the design integration of: feeders, Coil Terminal Boxes (CTB), Toroidal Field (TF) Coils Central Solenoid (CS), Poloidal Field (PF) and Correction Coils, and Instrumentation;</p> <p>To assist in developing and maintaining interfaces with external systems such as Power Supplies and Cryogenics;</p> <p>To ensure quality standards are duly applied to magnet documentation and procedures;</p> <p>To assist in monitoring magnet Procurement Activities.</p>
Main duties / Responsibilities	<p>Provides mechanical-electrical integration expertise to the Magnet Division;</p> <p>Contributes to the definition of mechanical and electrical design criteria for the magnets;</p> <p>Contributes to defining qualification and quality control tests for the coils and components;</p> <p>Provides assistance to the magnet sections, in the area of quality control, developing and following procedures related to technical documentation, ensures consistency within the Magnet Division Sections for interface control and documentation;</p> <p>Leads the development and maintenance of resource-loaded schedules;</p> <p>Contributes to the preparation of design and procurement specifications relating to mechanical and electrical design and testing/inspection;</p> <p>Participates in the monitoring of magnet procurement, especially in organizing and maintaining procurement documents;</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 the Magnet Division Head;</p> <p>In response to requests from the Director-General and/or Tokamak Director , or proactively, informs the DG / Tokamak 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> <p>Overall organization of magnet documentation;</p> <p>Completeness of magnet interface definitions;</p> <p>Overall organization (and maintenance) of magnet procurement documentation.</p>

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Engineering
Level of experience	<p>At least 20 years</p> <p>At least 20 years' post graduate experience in high voltage coils and in the problems associated with cryogenics and vacuum systems;</p>

Technical experience	<ul style="list-style-type: none"> -At least 20 years' post graduate experience in coil manufacturing and testing; -Familiarity with magnetic field coil design and superconductivity; -Some knowledge of superconducting coil instrumentation; -General knowledge of fusion magnet systems and their structural and voltage design issues; -Experienced in organizing and chairing multicultural meetings.
Project experience	10 years
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit, Ability to effectively multi-task
General skills	<ul style="list-style-type: none"> -Experience in the technical aspects of project management and organization, including the administration of technical documents. -Ability to communicate clearly and write technical reports and specifications in multi-disciplinary projects.
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Free criteria	General familiarity with computer based office programs, numerical analysis packages for structural and thermal assessment, and computer aided design.