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JOB DETAIL

Ref. IO1684 - 4/15/2016

Cryogenic Commissioning Technician PED-034

Main job	Cryogenics
Department	PED / Plant Engineering Department
Division	PED / Cooling Systems Engineering Division
Section	PED / CSED / Cryogenic System Section
Job Family	Technician - 3
Application Deadline (MM/DD/YYYY)	05/15/2016
Grade	G4
Direct employment	Required
Purpose	<div>- To prepare the pre-commissioning and commissioning of the ITER Cryogenic System, in particular to support the major Cryogenic Contracts and Purchase agreement (PA).</div> <div>- To contribute to the integrated commissioning of ITER coupling cryogenic system with Clients and Auxiliaries.</div> <div>- Reviews Process related document (Process Flow Diagram (PFD), Process & instrumentation Diagram (PID), Process Note, Functional Analysis...);</div> <div>- Reviews Users (Magnets, Vacuum) Interface Document (Process, Process Control, Protection) related to the scope;</div>
Main duties / Responsibilities	<div>- Contributes to the System Overall Process description in preparation for the commissioning;</div> <div>- Contributes to the development and tests of the Control System and Human Machine Interface;</div> <div>- Ensures that all documentation required for pre-commissioning, commissioning is available;</div> <div>- Reviews, compiles the documentation related to equipment start-up and operation;</div> <div>- Evaluates the requirement in term of spare parts and operating supplies for Commissioning;</div> <div>- Elaborates strategy for spare parts and operating supplies procurement and storage;</div> <div>- Prepares the pre-commissioning and commissioning procedures, sequences and planning;</div> <div>- Contributes to coordination of installation, pre-commissioning and commissioning activities;</div> <div>- Provides process/equipment expertise during pre-commissioning, start-up and tuning;</div> <div>- Provides support to cryogenic System Users and Utilities during commissioning;</div> <div>- Contributes to the training, coordination and management of the Technical Engineers;</div> <div>- Prepares for system operation: operation file build during commissioning, operator training...;</div> <div>- Prepare tests reports for plant acceptance certificate;</div> <div>- Ensures efficient management of operating spare parts and operating supplies.</div> <div>- Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;</div> <div>- May be requested to be part of any of the project team and performs other duties upon management request;</div> <div>- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</div> <div>- Reports to Cryogenic System Section Leader</div> <div>- Functionally reports to Process/Commissioning Leader.</div> <div>- Works in collaboration with Industrial Contractors</div> <div>- Works in collaboration with Domestic Agencies (INDA and F4E)</div> <div>- Works in collaboration with Site Coordinator (IO, F4E, Site Coordinator, HSE...)</div>
Measures of effectiveness	<div>- Assures that overall Pre-Commissioning and Commissioning Procedures are established and organized;</div> <div>- Manages Pre-Commissioning Activities as per procedure and adequately documented;</div> <div>- Maintains high level capabilities in mechanical, electrical</div>

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and instrumentation work;
- Maintains high level capabilities in process operation;
- Performs organizational skills by implementing an efficient organization based on clear plans and procedures.

Project construction phase

Level of study	Bachelor or equivalent degree
Diploma	Engineering or other relevant discipline
Level of experience	At least 5 years
Technical experience/knowledge	<p>Knowledge in Process Control, Instrumentation, Rotating Machinery, Refrigeration, Cryogenics.</p> <p>- At least 5 years as commissioning engineer on Process Plants.</p> <p>- Electrical equipment: 24V to 400V.</p> <p>- Instrumentation and Control: Software: EPICS, SIEMENS.</p> <p>- Instrumentation and Control: PLC, I/O Cards, Sensors (P, T, F), positioners, valves...</p> <p>- Process Equipment: Motors, Pumps, Compressors</p>
Social skills	<p>Ability to work effectively in a multi-cultural environment</p> <p>Ability to work in a team and to promote team spirit</p>
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	<p>- MS Office</p> <p>- Knowledge in Siemens PLC Software will be a plus, even if not mandatory required</p>
Languages	English (Fluent)

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