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JOB DETAIL

Ref. IO1746 - 8/4/2016

HVAC Process and Commissioning Engineer - PED 061

Main job	Nuclear Power
Department	PED / Plant Engineering Department
Division	PED / Cooling Systems Engineering Division
Section	PED / CSED / Cooling Water System Section
Job Family	Engineer - 2
Application Deadline (MM/DD/YYYY)	09/15/2016
Grade	P3
Direct employment	Not required
Purpose	-To be responsible for the preparation of the commissioning technical specifications and procedures for the ITER Heating, Ventilation and Air Conditioning (HVAC) system. -To execute HVAC functional analysis. -To coordinate HVAC commissioning making sure that defined requirements achievement is clearly demonstrated.
Main duties / Responsibilities	-Is responsible for the preparation of commissioning technical specifications, plan and procedures for ITER HVAC system in accordance with the defined requirements and makes sure that clear demonstration of the defined requirements can be achieved with the proposed commissioning procedures. Makes sure that the proposed commissioning plan is coherent with the overall ITER schedule; -Performs functional analysis for HVAC system to check that the design fulfils the requirements especially in terms of assuring the pressure cascade in the different ventilation zones; -Coordinates commissioning of HVAC and makes sure that clear demonstration of the defined requirements is achieved during commissioning, prepares commissioning reports, proposes corrective actions in case commissioning is not successful; -Collaborates with the European Domestic Agency (F4E) for HVAC system/components tests, reviews HVAC design and test procedures, reviews test reports; -Collaborates with F4E in the optimization of the HVAC, participates to the HVAC reviews, acts as interface between the HVAC and the different clients/suppliers to make sure that the overall system (HVAC, clients and suppliers) is well integrated; -Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan; -May be requested to be part of any of the project team and perform other duties upon management request; -Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.  -Reports to Cooling Water System Section Leader; -Interacts with F4E and suppliers; -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 that cannot be handled by the concerned line management and may jeopardize the achievement of the Project's objectives.
Measures of effectiveness	-Prepares technical specifications, plans and procedures for HVAC commissioning, coordinates HVAC commissioning within the defined cost & schedule; -Prepares commission tests reports, proposes corrective actions in case commissioning tests are not successful; -Performs accurate HVAC functional analysis; -Reviews effectively the HVAC design with particular attention to safety and performance requirements implementation; -Collaborates efficiently with F4E for the optimization of

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	HVAC and for testing of HVAC system/components, reviews test reports
	Project Construction Phase
Level of study	At least Master's Degree or equivalent
Diploma	Nuclear or Process Engineering field
Level of experience	At least 8 years
Technical experience/knowledge	<div>-Extensive experience in similar jobs (involving similar work responsibilities) and/or additional training certificates in relevant domains may be considered a reasonable substitute for the required educational degree.</div> <div>-At least 8 years' experience in test and commissioning of HVAC systems (development of test and commissioning procedures, test performance coordination, preparation and revue of test and commissioning reports, etc.) for nuclear installations;</div> <div>-Relevant experience in the design of HVAC systems (functional analysis, lines / in line components / equipment sizing, Piping nd Instrumentation Diagrams (P&amp;IDs) development, etc.) for nuclear installations;</div> <div>-Good Project Management experience is required.</div>
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
General skills	-Knowledge and experience in the use of computer software commonly used for design and verification of HVAC systems (e. g. Sylvia, THBAT, Flowmaster, etc.)
Languages	English (Fluent)
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