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Ref. IO1067 - 12/18/2009

Coil Power Supply/Distribution Sec. Leader CEP-025

Main job	Electricity
Type of contract	Fixed term contract
Grade	P5
Purpose	Electrical or Power Electronic engineer responsible for the design, procurement and integration of the ITER Coil Power Supplies and Pulsed Power Alternating Current (AC) Distribution, by leading the members of the Coil Power Supply Section, completing the system and component design, developing the technical specifications for the procurement arrangement and managing the activities related to manufacturing, testing, installation, commissioning and plant start up.
Main duties / Responsibilities	<ul style="list-style-type: none"> • Is the Responsible Officer for the Coil Power Supplies and Pulsed Power AC Distribution; • Provides effective leadership for the Section ensuring team members are motivated and constantly developing their skills and experience; • Ensures the preparation and revision of the Coil Power Supplies and Pulsed Power AC Distribution design and procurement documentation, including the technical specifications and associated support documents for the procurement arrangement of the components; • Is responsible for the integration and layout of the Coil Power Supplies and Pulsed Power AC Distribution; • Manages all interfaces within the components of the Coil Power Supplies and Pulsed Power AC Distribution and with the other ITER systems, particularly magnets, plasma control, interlocks, protection systems, buildings and site layout; • Ensures the consistency of procurement and construction planning; • Supervises the contributions from the ITER Domestic Agencies, including design activities, manufacturing, testing and installation of the components delivered by the Domestic Agencies; • Supports the licensing activities and safety assessment related functions in close collaboration with the safety group; • Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.
Direct employment	Not required
Measures of effectiveness	<p>Successfully supports ITER Coil Power Supplies and Pulsed Power AC Distribution design, including identification of design changes required and establishing priority levels and means for their implementation;</p> <p>Establishes a mechanism for Coil Power Supplies and Pulsed Power AC Distribution design integration and interface with other ITER systems;</p> <p>Successfully communicates with other Sections and Departments within the ITER Organization on Coil Power Supplies and Pulsed Power AC Distribution related issues;</p> <p>Successfully coordinates and supports the efforts of the ITER Organization and the Domestic Agencies in respect to design, fabrication, installation and commissioning of the ITER Coil Power Supplies and Pulsed Power AC Distribution;</p> <p>Successfully supports and motivates the work of the Coil Power Supply Section staff members.</p>
Level of study	Master, equivalent or higher degree
Diploma	Electrical Engineering or other relevant discipline
Level of experience	15 to 20 years
Technical experience	– At least 15 years' experience and competent expertise in the design, construction and operation of 400 kV

substations, large step down transformers, pulsed power distribution systems, AC/DC conversion plant above 200 MVA and Reactive Power Compensation systems above 200 Mvar;
– Good knowledge of the design details and technical requirements of Power Supply systems comparable to those required for ITER;
– Ability to draft and revise technical reports, documentation and project plans;
– Experience in the preparation of technical specifications for procurement contracts of large electrical components and subsystems;
– Basic Project Management experience is required;
– Experience working with Tokamak fusion devices, or large international scientific facilities would be considered an advantage.

Project experience	10 to 15 years
People management experience	10 to 15 years
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team work Collaborative Positive outlook
Languages	English (Fluent)
General skills	MS Office professional applications (Access, Project, Publisher, Visio) MS Office standard applications (Word, Excel, Powerpoint, Outlook)

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