

Senior Cooling Water System Resp Officer CEP-003

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| Main job | Nuclear Power |
| Department | DIP/Directorate for Central Engineering & Plant |
| Division | CEP / Plant Engineering Division |
| Section | CEP / PED / Cooling Water System Section |
| Job Family | Project engineering |
| Application Deadline | 30/Nov/2011 |
| Grade | P4 |
| Direct employment | Not required |
| Purpose | <p>To be responsible for the integration, all design aspects, assembly, installation, commissioning and operation of the ITER Tokamak cooling water systems (TCWS);</p> <p>To collaborate with the internal "clients" (ITER Divisions/Sections who will use Tokamak cooling water systems) and also with designers in the Domestic Agencies to complete the TCWS procurement in accordance with the "client" requirements.</p> |
| Main duties / Responsibilities | <ul style="list-style-type: none">• Is responsible for designing the TCWS according to the relevant functional requirements;• Supports and reviews the TCWS Preliminary and Final Design performed by the US Domestic Agency;• Reviews and approves documents and drawings for the procurement and manufacturing of TCWS components;• Integrates and coordinates the TCWS design with the rest of the system/components in ITER;• Manages the schedule for the design, manufacturing, testing, delivery, installation and commissioning of TCWS;• Participates, to provide acceptance of components and sub-systems, on the factory testing of the TCWS;• Oversees, coordinates and supports the assembly and the installation of the TCWS to be performed by the Assembly Section;• Prepares and updates as required the Design Description (DD) of the TCWS;• Performs the on-site testing and commissioning of the TCWS;• Prepares the design documents for testing, integrated commissioning and pre-operational activities of TCWS;• Supports the licensing activities in close contact with the safety group; |

- Contributes to ensuring quality assurance and to managing interface issues;
- Maintains a strong commitment to the implementation and perpetuation of ITER values and ethics.

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| Measures of effectiveness | <ul style="list-style-type: none"> • Successfully communicates with the ITER machine components designers to optimize both component and remote maintenance equipment design and performance; • Successfully communicates with other Participant Teams/organizations within the ITER collaboration and the fusion community; • Successfully completes tasks assigned under "Main Duties / Responsibilities" above. |
| Level of study | Master or higher degree |
| Diploma | Mechanical, Nuclear or Chemical Engineering |
| Level of experience | At least 10 years |
| Technical experience | <ul style="list-style-type: none"> – At least 10 years' experience as a mechanical/plant system engineer working on fission power plant design; – Experience designing nuclear plant systems and components, and knowledge of water chemistry, layout and construction; – At least 5 years' experience managing a wide range of projects involving plant design/construction. |
| Project experience | 2 to 4 years |
| 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) |
| Free criteria | <ul style="list-style-type: none"> • Reports to the Plant Engineering Division Head, under the coordination of the Cooling Water System Section Leader; • Interfaces with other ITER Technical Directorates, as required; • Maintains communication with other organizations within the ITER collaboration and the fusion community; • Interacts with personnel throughout the ITER Organization and Domestic Agencies on cooling water matters. |
| Languages | English (Working) |