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Ref. IO1129 - 6/1/2011

Cooling Water System Section Leader CEP-002

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| Main job | Mechanics |
| 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 | 03/Jul/2011 |
| Grade | P5 |
| Direct employment | Not required |
| Purpose | <p>To be responsible for the design, integration, assembly, installation and commissioning of the ITER cooling water systems (CWS);</p> <p>To coordinate the CWS Section activities and ensure the team works collaboratively with the ITER Responsible Officers (RO) in charge of the cooling water clients, the concerned Domestic Agencies (DAs) and the Assembly Section.</p> |
| Main duties / Responsibilities | <p>Coordinates the CWS Section activities to complete the CWS [i.e. Tokamak Cooling Water Systems (TCWS), Components Cooling Water systems (CCWS), Chilled Water System (CHWS) and Heat Rejection System (HRS)] design;</p> <p>Is responsible for designing the CWS system and components, including the layout;</p> <p>Is responsible for overseeing the assembly and installation activities;</p> <p>Is responsible for the commissioning and preparation of operation activities;</p> <p>Coordinates the design activities in the DAs for CWS design and Research & Development (R&D);</p> <p>Integrates the CWS design with the rest of the system/components in ITER;</p> <p>Completes and updates the required baseline documentation;</p> <p>Supports the licensing activities in close contact with the Department for Quality and Security;</p> <p>Monitors the schedule/cost for the CWS construction, assembly, installation and commissioning;</p> <p>Provides effective leadership for the Section ensuring team members are motivated and constantly developing their skills and experience;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> |
| Measures of effectiveness | <p>Successfully coordinates the Cooling Water System Section;</p> <p>Successfully manages interfaces between the Cooling Water System with users and suppliers;</p> <p>Successfully manages plans for procurement, manufacturing, installation, testing and commissioning;</p> <p>Successfully maintains effective communication with all parties delivering subsystems.</p> |
| Level of study | Bachelor or Master/Engineer Degree |
| Diploma | Mechanical or Process Engineering |

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| Level of experience | At least 10 years |
| Technical experience | <p>At least 10 years' experience as a mechanical/plant system engineer specialized in cooling systems for fusion and/or fission power plant designs;</p> <p>Technical ability to design, construct and commission nuclear plant cooling systems and components, and knowledge of water chemistry;</p> <p>Good knowledge of and experience with design codes and standards;</p> <p>Proficiency in industrial cooling water components and processes;</p> <p>Knowledge of the design of tokamak fusion machine systems.</p> |
| Project experience | 6 to 10 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> <p>Ability to communicate effectively</p> |
| General skills | MS Office standard (Word, Excel, PowerPoint, Outlook) |
| Specific skills | <p>People Coordination experience: At least 5 years' supervising experience on a wide range project in the area of plant design/ construction.</p> <p>Social skills:</p> <p>Collaborative and positive personality;</p> <p>Able to develop and maintain effective international professional contacts;</p> |
| Languages | English (Working) |

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