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| Title: Electromechanical Engineer Central Engineering and Plant Support | | CEP 027 |
| Reports to Line Manager: Director of Electrical Power Supply Division | | |
| DIRECT EMPLOYMENT: NOT REQUIRED | | GRADE RANGE: P2 ~P4 |
| Date Written: | Date Revised: | Date Revised: |

Purpose:

Responsible for the design, procurement, construction, factory testing, installation, commissioning and final acceptance of the Switching Networks, Fast Discharge Units and DC instrumentation of the ITER Coil Power Supplies.

During the initial period of assignment, because of the limited staff working in the Electrical Supply Division, the successful candidate may be asked to take the responsibility of some components of the ITER Steady State Electrical Power Network.

Major Duties/Responsibilities:

- Draft and revision of technical documents and specifications required for the design, procurement, construction, installation and commissioning of components and systems.
- Monitor and follow up the activities carried out by the ITER Domestic Agencies.
- Carry out analyses, including computer simulations.
- Propose and implement actions required to resolve design, installation and operational issues.
- Develop the procedures for acceptance test and integrated commissioning.
- Revise regularly the Project Schedule associated to the fabrication, installation, testing and commissioning of the components and systems.
- Draft and revise interface and integration documents, specifically dedicated to the components and systems under his/her responsibility.

Qualifications Required:

- University degree in Electrical/Electromechanical Engineering, or equivalent.
- Work experience:
- At least 3 years working experience in managing design, installation and testing of high power, high current, switching components in industrial, or scientific environment, comparable to those of the ITER Coil Power Supply System, or projects of similar complexity.
- Skills: Good communications skills and ability to organize and monitor design, R&D and construction activities.
- Language knowledge: Good active and passive knowledge of written and spoken English.

The following optional qualifications will be considered an advantage:

- At least 5 year working experience in the construction installation and testing of components similar to those of ITER Coil Power Supply System.
- Good knowledge of the design and functions of the ITER Coil Power Supply System.

- Good experience in running computer codes for transient and steady state analysis of electrical circuits.
- Previous working experience in international/multicultural organizations.
- Considering that during the initial period of assignment, the successful candidate may be asked to take the responsibility of some components of the ITER Steady State Electrical Power Network, previous working experience in design and installation of Medium and Low voltage components for ac distribution system will also be considered an advantage.

Work Direction and Interfaces:

- Reports to the DDG. Interfaces with the relevant technical divisions to support excellent integration.
- Interfaces with the construction design team on building and site requirements.
- Supports design and R&D relevant to the construction of hardware on his/her specific deliverables.
- Implements and enforces ITER's QA program.

Authority/Approval Levels:

Has authority and approval levels defined by the Director for his/her scope of work.

Measures of Effectiveness:

- Successfully implement guidelines and direction received from the Director and the ITER top management.
- Successfully manages interface between ITER divisions and Domestic Agencies.
- Successfully provides engineering and installation support for the project.
- Successfully develops, in agreement with the ITER general project schedule, cost effective installation and testing plans.
- Successfully maintains effective communications with all parties delivering subsystems.