TITLE: Head of Electrical Power Supply Division		CEP-060
<b>REPORTS TO LINE MANAGER: DDG for Central Engineering and Plant Support</b>		
DIRECT EMPLOYMENT: NOT REQUIRED		GRADE: D1
Date Written: July 2007	Date Revised:	Date Revised:

## **Purpose:**

Manage the ITER Electrical Power Supply Division: design and procurement of associated systems, including work organisation, interfaces to ITER Domestic Agencies responsible for procurement and their industries. The candidate is responsible for overseeing and managing all technical aspects of the division, developing detailed implementation plans for all work, and monitoring and controlling costs and schedules for all group activities.

## Major Duties / Responsibilities:

- Provide effective leadership for the division, ensuring that team members are motivated and constantly developing their skills and experience.
- Manage the design, specification, procurement, assembly, and installation of associated systems (Coil Power Supplies and Steady State Electrical Power Network).
- Effectively interface with ITER Domestic Agencies responsible for procurement.
- Responsible for overseeing and managing all technical aspects of the components and systems under the responsibility of the division, developing details implementation plans for all work, and monitoring and controlling costs and schedules for all group activities.
- Ensuring that the engineering design of the Coil Power Supplies and Steady State Electrical Power Network meet the requirements of the ITER magnets and plant.
- Supervision of the engineers responsible for the design and timely procurement of all associated system.
- Leading the supporting analysis activities.
- Responsible for defining and coordinating the interfaces with other systems.
- Shows strong commitment to the ITER safety program and enforces it through individual behaviour and in his/her organization.
- Maintains a strong commitment to the implementation and perpetuation of ITER values and ethics.

#### **Qualifications required:**

• University degree in Electrical Engineering, or equivalent.

- Work experience: At least 15 years professional experience in managing design, of power supply systems including; interface with the 400 kV grid, HV/MV/LV electrical distribution systems, large power converters, reactive power compensation systems and components for the interruption of high DC currents. Previous experience in the preparation of technical specifications, construction, installation and testing of components similar to those of the ITER Coil Power Supplies and Steady State Electrical Power Network.
- Good communications skills and excellent ability to organize and monitor design, R&D and construction activities.
- Ability to both work in a team and lead a group of professionals.
- Ability to work effectively in a multi-cultural environment.
- Collaborative and positive personality.
- Very good command of English, both spoken and written.

# The following optional qualifications will be considered an advantage:

- Excellent knowledge of the design and functions of the ITER Steady State Electrical Power Network and Coil Power Supply System.
- Ideally the successful candidate will have experience working on one of the world's large fusion devices.

### Work Direction and Interfaces:

Reports to the DDG for Central Engineering and Plant Support. Interfaces with all other departments within the ITER Organization as required.

# Authority/Approval Levels:

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

#### Measures of Effectiveness:

Successfully builds up the division and manages it effectively. Successfully maintains effective communications within the division and with all interfacing organizations.

Completes design and procurement of Coil Power Supplies and Steady State Electrical Power Network systems in a timely manner and within defined costs. Successfully maintains effective communications with all parties delivering components and subsystems.