

# IO1419 Coil Power Supply System Engineer CEP-156

## General information

Job category	Standard
Status	Published
Department	DIP/Department for ITER Project
Division	PSE / Electrical Engineering Division
Section	PSE/ EED/ Coil Power Supply Section

## Job description

Main job	Engineering - Electricity
Title of the position	Coil Power Supply System Engineer CEP-156
Job family	Engineer - 1
Grade	P2
Direct employment	Not required
Purpose	To perform the system engineering activities for components and equipment of the Coil Power Supply System, during manufacturing, factory tests, installation and on-site acceptance tests, for preparing commissioning and operation.
Main duties / Responsibilities	<p>Executes electrical engineering analyses for components and system; Governs the coil power supply system integration, enhancing the maturity of the interface with other ITER systems; Proposes and implements actions required to resolve design, construction and installation issues for the ITER coil power supply system; Develops the procedures for installation, acceptance test, integrated commissioning and the pre-operation for the component/system, ensuring the implementation; Manages and develops the construction drawings and models for the component/system; Performs the integrate commissioning and pre-operation of the coil power supply plants; Supports the application of Quality Assurance (QA) &amp; Quality Control (QC) requirements and standards for components and systems, in close relation with the QA Division; Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan; Performs other duties linked to the above purpose upon management request, as necessary; Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p>
Measures of effectiveness	<p>Reports to the Coil Power Supply Section Leader; Acts as an interface between all technical divisions, to support excellent integration of the electrical installation, the DAs and contractors; In response to requests from the Director-General and/or Director of Plant System Engineering (PSE) Directorate, or proactively, informs the DG/Director of PSE Directorate of any important and urgent issues that cannot be handled by the concerned line management and may jeopardize the achievement of the Project's objectives.</p> <p>Provides to the ITER Organization and the DAs accurate analyses and relevant action plan in respect to design, fabrication, installation and preparation of commissioning of the ITER coil power supply System, within the defined schedule; Establishes the integrated test procedure for the ITER coil power supply and preforms the pre-operation; Maintains effective communication with all the interfacing teams of the ITER and the DAs.</p> <p>Project Construction Phase</p>

## Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Electrical Engineering or other discipline

Level of experience	At least 5 years
Technical experience	At least 5 years' experience in design, construction of the electric system; Experience in installation, testing and operation of complex electrical systems; Experience in monitoring/following up contracts for design, construction, installation and testing of large electrical components/subsystems would be an advantage; Experience in the design and installation of complex electrical system for Tokamak and/or large superconducting magnets would be an advantage.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	Basic Project Management experience is required.
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	Required Knowledge: <ul style="list-style-type: none"><li>- Electrical Engineering, Power Conversion, Power Systems and the Electrical Circuit analysis;</li><li>- International electrical QA/QC standards;</li><li>- Design details, technical requirements of power conversion system;</li><li>- Running computer codes for transient and steady-state analysis of electrical system, including power converters, SVCs and power systems;</li><li>- Experience using software applications for development of 3D model and 2D schematics.</li></ul>