

IO1526 Electrical Engineer PSE-080

General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Plant System Engineering
Division	CEP/Electrical Engineering Division
Section	PSE/ EED/ Electrical Power Distribution Section

Job description

Main job	Engineering - Electricity
Title of the position	Electrical Engineer PSE-080
Job family	Coordinating Engineer
Grade	P4
Direct employment	Not required
Purpose	To monitor the design, procurement follow-up duty with DAs, manufacturing witness, factory testing, installation, commissioning, final acceptance of components for the ITER Steady State Electrical Network (SSEN), and routing of cables for power distribution, command and control.
Main duties / Responsibilities	<p>Is Technical Responsible Officer for procurements arrangements of electrical equipment;</p> <p>Is responsible for preparing and revision of technical specification and associated documents required for the design, procurement, construction, installation and commissioning of components and systems under her/his responsibility;</p> <p>Ensures design integration and layout of the SSEN components;</p> <p>Supervises the routing and installation of cables for power distribution, control and commands required for the ITER SSEN, as well as all other ITER systems;</p> <p>Supervises the contributions from the ITER Domestic Agencies, including design activities, manufacturing, testing and installation of the components delivered by the Domestic Agencies;</p> <p>Evaluates design issues and provides reports to the Section Leader;</p> <p>Revises regularly the Project Schedule associated with the fabrication, installation, testing and commissioning of the components and systems;</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;</p> <p>Performs other duties linked to the above purpose upon management request, as necessary;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>Reports to Electrical Power Distribution Section Leader;</p> <p>Acts as an interface between all technical divisions, members of the ITER Team and Domestic Agency Personnel as required to support the construction design team on building and site requirements;</p> <p>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>
Measures of effectiveness	<p>Produces deliverables in accordance with deadlines and quality defined by the Leader of Electrical Power Distribution Section and the Head of the Electrical Engineering Division;</p> <p>Follows up the activities of DAs and contractors are performed in order to get the procurement and installation of the SSEN components are completed in accordance with the ITER Strategic Management Plan (SMP);</p> <p>Manages interface between ITER divisions and Domestic Agencies and maintains effective communications with all parties delivering subsystems;</p> <p>Develops, in agreement with the ITER SMP, cost effective commissioning plans and later on effectively follows up the commissioning activities of time critical electrical components.</p> <p>ID SAP: 50001081</p> <p>Project Construction Phase</p>

Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Electrical Engineering
Level of experience	At least 10 years
Technical experience	<p>At least 10 years' work experience in managing design, installation and testing of large AC power distribution systems, comparable to those of the ITER SSEN (i.e. AC rated voltage in the range from Low to High Voltage, about 150 MVA connected loads, 120 MW to be distributed), or projects of similar complexity;</p> <p>Experience in manufacturing follow-up of large High voltage and Medium voltage electrical equipment.</p> <p>Good knowledge of the design details, technical requirements and installation of power transformers, switchgears, distribution transformers, distribution boards, comparable to those required for ITER;</p> <p>Knowledge of the design details and technical requirements of earthing systems;</p> <p>Good knowledge of standards and design criteria applicable to the design of High (400kV) and Medium voltage components and systems.</p>
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	Good knowledge of ETAP software application (www.etap.com) or equivalent applications for analysis of electrical circuits.