IO1418 Electrical Power Distribution System Eng. CEP-155

General information

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

Job description

Main job	Engineering - Electricity
Title of the position	Electrical Power Distribution System Eng. CEP-155
Job family	Engineer - 1
Grade	P2
Direct employment	Required
Purpose	To perform the system engineering activities for components and equipment of the Electrical Power Distribution System, during manufacturing, factory tests, installation and on-site acceptance tests, for preparing commissioning and operation.
Main duties / Responsibilities	Executes electrical engineering analyses for components and system; Governs the Electrical Power Distribution 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 Electrical Distribution sub-systems; Supports the application of Quality Assurance (QA) & 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. Reports to the Electrical Power Distribution 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.
Measures of effectiveness	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 Electrical Distribution System, within the defined schedule; Proposes and manages cost optimizations during manufacturing, installation, commissioning and pre-operation phases of the Electrical Power Distribution system; Maintains effective communication with all the interfacing teams of the ITER and the DAs. Project Construction Phase

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 High and Medium Voltage electric system; Experience in installation, testing and operation of complex electrical systems; Basic 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: - Electrical Engineering, Electrical control & monitoring and the Electrical Circuit analysis; - International electrical standards; - Design details, technical requirements of instrumentation & control associated to electrical Distribution systems; - Running computer codes for transient and steady-state analysis of electrical distribution system; - Experience using software applications for development 2D electrical and I&C diagrams, and 3D models; - Experience using software tools for engineering analysis of electrical distribution systems.