Job Title: Electrical Systems Installation Supervisor IO0965

Req ID **1380** - Posted **02/03/2020** - (France, 13067 St Paul Lez Durance Cedex) - **Construction and Installation** - **New Posting**

The ITER Organization brings together people from all over the world to be part of a thrilling human adventure in southern France—building the ITER Tokamak. We require the best people in every domain.

We offer challenging full-time assignments in a wide range of areas and encourage applications from candidates with all levels of experience, from recent graduates to experienced professionals. Applications from under-represented ITER Members and from female candidates are strongly encouraged as the ITER Organization supports diversity and gender equality in the workplace.

Our working environment is truly multi-cultural, with 29 different nationalities represented among staff. The ITER Organization Code of Conduct gives guidance in matters of professional ethics to all staff and serves as a reference for the public with regards to the standards of conduct that third parties are entitled to expect when dealing with the ITER Organization.

The south of France is blessed with a very privileged living environment and a mild and sunny climate. The ITER Project is based in Saint Paul-lez-Durance, located between the southern Alps and the Mediterranean Sea—an area offering every conceivable sporting, leisure, and cultural opportunity.

To see why ITER is a great place to work, please look at this video

Application deadline: 12/04/2020
Domain: Construction
Department: Plant Construction
Division: Field Engineering Installation
Section: Electrical Sys. Inst. Surveillance
Job Family: Project Engineering
Job Role: Engineer - 2
Job Grade: P3
Language requirements: Fluent in English (written & spoken)
Contract duration: Up to 5 years

Purpose

As Electrical Systems Installation Supervisor, you will be responsible for the in-field engineering activities necessary to oversee the installation activities in the Auxiliaries and Tokamak Buildings, including developing and monitoring the integrated assembly sequence and schedule.
You will produce the technical documentation and work schedule needed for the in-field engineering activities, installation, site testing and system commissioning of ITER's electrical equipment in full integration with Construction Management Agent (CMA).
You also will follow up and control the contribution from the ITER Domestic Agencies (DAs); including design activities, manufacturing, testing, installation and system commissioning of the components delivered by the DAs.

Background

In the frame of Plant Construction Department, the Electrical System Installation Supervisor has to assure quality in installation of Electrical Systems / Components inside the Electrical Buildings of the ITER Site. The Supervisor has to assure quality, time schedule and cost satisfaction according to signed contracts.

Major Duties/Roles & Responsibilities

- Supervises the development and follows-up the budget, resources, procurement, construction, testing and system commissioning plans related to the assigned activities;
- Promptly identifies issues and alerts management with corrective solutions as required;
- Implements guidelines and existing rules and requirements applicable to the electrical components and systems;
- As Technical Responsible Officer (TRO), manages and monitors contract(s) related to the Electrical Installation;
- Acts as the technical interface between the Construction Management Agent (CMA) and the IO Engineering Domain,
- Coordinates the review process of any Installation Procedures, Inspection and Test Plans and the Installation Testing issued by the Contractor;
- Assures consistency among the Electrical Systems during the installation phase and for the Engineering Work Packages issued by Engineering unit;
- Proposes solutions and follows the resolution of the field engineering Changes Requests and installation non-conformances;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;
- May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays.

Measures of Effectiveness

- Implements properly the guidelines and rules within the defined quality and time frame;
- Timely and accurately produces the documentation required for the installation, site testing and system commissioning of the ITER's electrical equipment;
- Manages, controls and pro-actively resolves issues associated with the design, installation, testing and commissioning of the ITER AC/DC power conversion system, including interfaces with other ITER systems;
- Manages and follows-up the execution of contracts for the defined scope of activities;
- Maintains effective communication with all parties delivering subsystems.

Experience & Profile

- *Professional Experience:*
  - At least 8 years' experience in supervising design, installation and testing of electrical systems, covering most of AC/DC power conversion, supply & distribution fields within an industrial or scientific environment.
- *Education:*
  - Master's degree or equivalent in Electrical Engineering;
  - The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains.
- *Language requirements:*
  - Fluent in English (written and spoken).
- *Technical Competencies in:*
  - Drafting and revising technical reports, documentation and project plans;
  - Design, construction, installation, commissioning and operation of Medium Voltage Bus-bar for conversion systems and the associated protection devices and systems required for the supply of large-size superconductive magnets will be an advantage;
  - Design, construction and operation of high power conversion plants for electrochemical plants, High Voltage Direct Current (HVDC) transmission links,

comparable to requirements for ITER or on projects of a similar complexity; is desirable;
    - Design details, technical requirements, protection systems, testing, installation and commissioning of large AC/DC power converters;
    - Experience in running computer codes for transient and steady state analysis of power converter and electrical circuit is beneficial.
- *Behavioral Competencies:*
    - Collaborate: Ability to dialogue with a wide variety of contributors and stakeholders;
    - Communicate Effectively: Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment;
    - Drive results: Ability to persist in the face of challenges to meet deadlines with high standards;
    - Manage Complexity: Ability to gather multiple and diverse sources of information to understand problems accurately before moving to proposals;
    - Instill trust: Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.

The following important information shall apply to all jobs at ITER Organization:

- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, ITER Values (Trust; Loyalty; Integrity; Excellence; Team mind set; Diversity and Inclusiveness) and Code of Conduct;
- ITER Core technical competencies of 1) Nuclear Safety, environment, **r**adioprotection and pressured equipment 2) Occupational Health, safety & security 3) Quality assurance processes. Knowledge of these competencies may be acquired through on-board training at basic understanding level for all ITER staff members;
- Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;
- May be requested to work on beryllium-containing components. In this case, you will be required to follow the established ITER Beryllium Management Program for working safely with beryllium. Training and support will be provided by the ITER Organization;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;
- Informs the IO Director-General, Domain Head, or Department/Office Head of any important and urgent issues that cannot be handled by lline management and that may jeopardize the achievement of the Project's objectives.