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JOB DETAIL

Ref. IO1907 - 11/16/2017

Construction Preparation Engineer - CST-080

Main job Construction

Department CST / Construction Department

Division CST / Tokamak Complex Section/Division

Job Family Coordinating Engineer

**Application Deadline
(MM/DD/YYYY)** 12/31/2017

Grade P4

Direct employment Not required

Purpose To prepare, plan, coordinate and implement Technical Work Packages in support of the planning and installation execution of the ITER Organization in all plant systems fabrication, installation and handover for buildings of the ITER Site;
To develop and elaborate the strategies and solutions necessary to define, validate, execute and control the installation of the plant systems, including the preparation and implementation of resource-loaded plans for the work, and the coordination of the resources assigned to support the work; promoting compliance of the Tokamak Complex construction execution activities with the ITER Safety Requirements, the Quality Assurance (QA) Program, Configuration Management Requirements for Nuclear Facilities, Procurement Procedures and cost-containment objectives.

-Participates in the evaluation of the engineering designs of the components and plant systems located in Buildings of the ITER Site;
-Provides inputs on engineering work scope completion, installation methods & requirements and construction execution sequence / activities to the Construction Management as Agent (CMA), appropriate Plant Breakdown Structure (PBS) Technical Responsible Officer (TRO) and system designers/engineers;
-Monitors work progress in accordance with ITER procedures to establish effective Earned Value Measurement (EVM);

Main duties / Responsibilities -Reviews and develops concepts with the CMA and PBS TRO for installing, controlling and certifying the Tokamak Complex components design and systems installation constructability & sequence;
-Identifies potential safety, quality, or technical issues using the project Request for Information (RFI) & Tender Query (TQ) tools for design and construction activities and manages the resolution of each;
-Identifies the methods required to ensure the safe, successful and timely installation of Tokamak Complex systems, in collaboration with the CMA & PBS TROs;
-Identifies developments and documents the installation scope, Construction Process Description (CPD), and implements the most appropriate sourcing solution, in close collaboration with CMA, PBS TRO & Construction Management Division (CMG);
-Assists the Procurement & Contracts Division in the management of tender, contractor & installation contracts;
-Elaborates consistent approaches to installation and maintenance, in collaboration with the CMA & PBS system designers;
-May participate with Quality & PBS TRO in the monitoring of the manufacturing and acceptance of components and systems;
-Maintains close coordination and shares all resource information with the Construction Team for Tokamak Assembly (CTTA) and the Construction Team for Plant Installation (CTPI);
-May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays;
-Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;
-May be requested to be part of any of the project/construction teams and to perform other duties;
-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, QA Program, values and ethics.

Measures of effectiveness

-Reports to the Tokamak Complex Section/Division Head;

My space



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My job alert

- Interfaces directly with all Departments of the ITER Organization i.e.(IO, the CMA and associated Craft Personnel);
- In response to requests from the Director-General (DG) and/or the Director for Construction Department (CST), or proactively, informs the DG/Director for CST 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.

- Proposes and implements efficient strategy and method to define, validate, execute and control the installation of the plant systems within the defined cost, quality and schedule;
- Resolves timely identified potential safety, quality, or technical issues;
- Generates and maintains coherent, comprehensive, and understandable documentation;
- Maintains effective communications within the IO, CMA and Tokamak Complex Systems PBS TRO;
- Complies with the ITER QA program and safety requirements.

Project Construction Phase

Level of study	Master or equivalent degree
Diploma	Civil, Electrical / Mechanical Engineering field
Level of experience	At least 10 years
Technical experience/knowledge	<ul style="list-style-type: none"> -At least 10 years' recognized professional experience of installation and assembly of large scale industrial plants, a number of which to have high constructed values; -Professional experience in fusion or research projects is considered as an advantage; -Experience in procurement, tendering and contract administration(detailed knowledge of contract forms, their applications and administration would be a strong advantage); -Experience at all stages of projects from Tender to Handover; writing clear and concise reports; -Experience in international projects.
Social skills	<ul style="list-style-type: none"> Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
General skills	<ul style="list-style-type: none"> -Proactive, with drive and initiative; -Ability to facilitate dialogue with a wide variety of contributors and stakeholders; -Ability to adjust communication content and style to deliver messages; -Ability to persist in the face of challenges to meet deadlines with high standards; -Ability to model high standards of team mindset, trust, excellence, loyalty and integrity.
Others	<ul style="list-style-type: none"> -Proficient command of the Microsoft Office packages; -Knowledge of software types usually used within a multidiscipline project environment – computer aided design, scheduling software, estimating software, etc.
Languages	English (Fluent)

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