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## JOB DETAIL

Ref. IO2061 - 12/11/2018

### Construction Coordination Engineer CST-160

**Main job** Construction

**Department** CST / Construction Department

**Division** CST / Tokamak Complex Section/Division

**Job Family** Engineer - 2

**Application Deadline  
(MM/DD/YYYY)** 01/23/2019

**Grade** P3

**Direct employment** Not required

**Purpose** To prepare, plan, coordinate and implement technical work packages for the planning and installation of the ITER Organization contract systems for the Tokamak Complex Building Services Installation.  
To execute the fabrication, installation, testing, commissioning and handover for the Tokamak Complex Buildings of the ITER Site;  
To develop and elaborate the strategies and solutions necessary to define, validate, execute and control the installation, testing and commissioning of the plant systems related to aforementioned contract.

**Main duties / Responsibilities** Assists the Tokamak Complex Deputy in the management and coordination of the contract for the defined scope and schedule;  
Manages the interfaces between the Contractors, Construction Management as Agent (CMA);  
Participates in the evaluation of the engineering designs and qualification of the components and plant systems located in Buildings of the ITER Site, according to the manufacturing readiness review (MRR) schedule of the Tokamak Complex;  
Provides inputs on engineering work scope completion, installation methods, requirements and construction execution sequence;  
Monitors work progress in accordance with ITER procedures to establish effective Earned Value Measurement (EVM);  
Reviews and develops concepts for installing, controlling and certifying the Tokamak Complex component's design in addition to the systems installation constructability & sequence by reviewing the associated construction and installation work packages from the contractors and implements the most appropriate sourcing solution;  
Identifies potential safety, quality, or technical issues in compliance with the ITER Safety Requirements and the Quality Assurance (QA) Program;  
Identifies the methods required to ensure the safe, successful and timely installation and maintenance of Tokamak Complex systems;  
Participates in the monitoring of the manufacturing and acceptance of components and systems;  
May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays;  
Implements the surveillance and/ or 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 assigned duties;  
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.

**Measures of effectiveness** Under the supervision of the Tokamak Complex Deputy, reports to the Section/Division Head;  
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 strategies and methods to define, validate, execute and control the installation of the plant systems within the defined cost, quality and schedule;  
Resolves identified potential safety, quality, or technical issues in a timely manner;  
Generates and maintains coherent, comprehensive, and understandable documentation;  
Maintains effective communications within all the

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stakeholders;  
Complies with the ITER Quality Assurance (QA) program and safety requirements;  
Elaborates consistent approaches to installation and maintenance for the Systems for the defined scope.

<b>Level of study</b>	Master or equivalent degree
<b>Diploma</b>	Civil, Mechanical or Nuclear Engineering or other
<b>Level of experience</b>	At least 8 years
<b>Technical experience/knowledge</b>	At least 8 years' experience in the installation and assembly of large scale industrial plants; Experience in procurement, tendering and contract administration for international projects; Heating, Ventilation and Air Conditioning knowledge is considered as an advantage; A certificate/qualification in Project Management would be advantageous; Experience in fusion or research projects is considered as an advantage; Experience in writing in English clear and concise technical and contractual reports.
	The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains;
<b>General skills</b>	Proactive, with drive and initiative; 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 define problems accurately before moving to proposals; Instill trust: Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.
<b>Others</b>	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.
<b>Languages</b>	English (Fluent)

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