

# Job Title: Head of Construction Domain IO0004

Requisition ID **4041** - Posted - (France, 13067 St Paul Lez Durance Cedex) - **Managerial** - **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:** 20/06/2021

**Domain:** Construction

**Job Family:** Line Management

**Job Role:** Head of Domain

**Job Grade:** D2

**Language requirements:** Fluent in English (written & spoken)

**Contract duration:** Up to 5 years

## **Purpose**

To lead and manage the Construction Domain (CNST), and to support the Director-General (DG) of the ITER Organization (IO) to achieve the ITER Project's objectives with the assembly and installation of all components and systems necessary to successfully achieve the critical milestone of First Plasma 2025 as approved by the ITER Council in the framework of the Revised Construction Schedule. To achieve this objective, CNST Head will work with the Heads of the Machine Construction and Plant Construction Departments, as well with the Construction Management Office to ensure the most efficient use of the allocated resources to achieve CNST mission. In compliance with IO regulations and rules, CNST Head is in charge of the comprehensive management of the associated contracts, budget management and planning, execution and completion of the erection activities on site, according to the agreed time schedule to achieve the required performance.

## **Background**

CNST is established as one of the four Domains within the IO, and is positioned as centre for the current phase of the ITER Project. CNST includes the staff who contribute to the design, manufacturing and delivery of these components, as well as the specialists for construction. Its responsibility includes Assembly and Installation of the ITER Machine, Tokamak Complex and Plant facilities, leveraging the contract of Construction Management as Agent (CMA), in close cooperation with Engineering (ENGN) and Science & Operations Domains (SCOP) and Domestic Agencies (DAs), and supported by Corporate Domain (CORP).

## **Major Duties/Roles & Responsibilities**

Manages CNST to fulfil its mission and responsibilities summarized in its terms of reference, including following major duties (Please copy/paste the following link in your web browser [https://static.iter.org/hr/domains/ToR\\_Construction\\_Domain.pdf](https://static.iter.org/hr/domains/ToR_Construction_Domain.pdf) to check the detailed Terms of Reference);

- Develops the strategy for Assembly and Installation, in close collaboration with Office of the DG in accordance with Project Strategy;
- Ensures that the general site layout and configuration are managed as per the ITER Configuration Management Plan and as-built designs are recorded and maintained, in collaboration with ENGN;
- Follows up DAs' in kind procurement activities necessary for First Plasma configuration, excluding systems under ENGN responsibility;
- Prepares and implements strategies, and updates in real time installation plan according to the in kind contribution delivery dates, the development of processes, procedures and tools for efficient construction management, as well as achieving real time in field engineering support, in conjunction with ENGN and DAs;
- Establishes and maintains a detailed construction baseline (scope, time schedule and cost as fixed through MAC approval) in accordance with CORP, assuring surveillance and management of the execution of works as well as control of the cost and quality, reporting systematically to DG and CORP in collaboration with Safety & Quality Department (SQD);
- Ensures timely and efficient preparation of the tenders, and manages contracts assuring the planned production at costs respecting the authorized MAC Contracts Values to execute the Machine Assembly and Plant Installation including additional transversal support services such as lifting, storage and transportation;
- Delivers Machine and Plant to Commissioning and Integrated Commissioning, under the responsibility of SCOP, following completion of leak tests, together with integrated dossier of installation completion supported by all in field engineering dossier certifying resolution of in field Non-Conformities, in field deviation request as well as in field design changes, duly signed by CNST Head;
- Ensures all the Plant Installation activities and the Machine Assembly are carried out in accordance with the ITER Nuclear Safety, the Environment Protection and the Occupational & Health Safety standards under the support from SQD;
- 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.

Note: 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.

## Measure of Effectiveness

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- Contribute efficiently to achieve the ITER Project's objectives, currently in first place First Plasma.
- Achieve the completion of construction activities and milestones for First Plasma within approved Baseline and revised Construction Strategy.
- Handover the ITER Machine, Tokamak Complex and Plant facilities to Science & Operations Domain for Commissioning and Integrated Commissioning successfully within the approved Baseline.
- Lead the CNST in a harmonized manner, and collaborate with Domestic Agencies and other IO Domains/Department/Office as one team.

## Experience & Profile

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- *Professional Experience:*
  - At least 20 years' experience in construction management and field of nuclear related construction project;
  - At least 5 years' experience in the role/job function of Executive Management and field of large nuclear related construction project under an international context;
  - Experience of construction (including assembly and installation) in fusion energy project (e.g. tokamak and/or superconducting technologies) is a plus.
- *Education:*
  - Masters' degree or equivalent in engineering field or other relevant discipline;
  - 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:*
  - Quality: Ability to lead and ensure all CNST activities are performed at a level of quality appropriate to achieving the safety, environmental security and performance objectives of the Project defined by IO.
  - Planning: Ability to define vision and goals for the Project to lead CNST and the rest of the organization. Ability to make decisions on scheduled cost and risks.
  - Contract Management: Ability to propose, gain approval for and implement contract strategy.
  - Construction oversight: Ability to define oversight strategy policy, ensure overall implementation of effective oversight, and allocate responsibilities to proper resources.
  - Project control and reporting: Ability to define reporting and control requirements and methodology, analyze and conclude on overall project status, define and decide actions for recovery with full transparency within the IO, and report to highest levels of stakeholders of the ITER Project.
- *Behavioural Competencies:*
  - Collaborate: Ability to facilitate and navigate dialogue with a wide variety of contributors and stakeholders in a diversified environment without compromising the discipline;
  - 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 commit and meet deadlines with high standards;
  - Manage Complexity: Ability to analyze multiple and diverse sources of information to define root cause accurately before moving to proposals/solutions;
  - Instill trust: Ability to demonstrate a role model of highest standards of team mindset, trust, excellence, loyalty and integrity.

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***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, radioprotection 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 line management and that may jeopardize the achievement of the Project's objectives.