

## ITER 국제기구 공모 직위 직무기술서 (제199차)

### ○ 1개 직위

구분	분야	소속	직위	Job No.	등급
①	건설 (CST)	Facilities, Logistics & Materials Division	Civil/Structural Nuclear Engineer	CST-083	P4

# IO1845 Civil/Structural Nuclear Engineer CST-083

## General information

Job category	Standard
Status	Published
Department	CST / Construction Department
Division	CST / Facilities, Logistics & Materiels Division
Section	CST/ FLM/ Building & Civil Works Section

## Job description

Main job	Engineering - Civil engineering
Title of the position	Civil/Structural Nuclear Engineer CST-083
Job family	Coordinating Engineer
Grade	P4
Direct employment	Not required
Purpose	<p>To play a key and leading role within the Building &amp; Civil Works (BCW) Section which is primarily to ensure the oversight of the design and construction in particular for the buildings and infrastructure that have a nuclear safety function and site infrastructure associated with the ITER project such as the project objectives in terms of cost, schedule, nuclear safety compliance and performance are achieved.</p> <p>As part of the Building, Infrastructure and Power Supplies Project Team (BIPS PT), supervises the preparation, update and management of the design input data, and result of completed design outputs, including in particular those relating to building structures, Nuclear safety Requirements and other technical information necessary to fully define the ITER Organization (IO) requirements for the project including acceptance of the designs produced by Contractors.</p>
Main duties / Responsibilities	<ul style="list-style-type: none"><li>-Works closely with IO Safety Department &amp; BCW Civil/ Structural/ Architectural team coordinator, for the generation, issue, approval and propagation of Nuclear Safety Requirements in compliance with IO procedures;</li><li>-Acts as Responsible Officer for Nuclear Building(s) or parts of Building(s) taking a leading role to review of civil/ structural designs produced by Contractors;</li><li>-Makes recommendations for the formal acceptance of designs by the IO in their capacity of Nuclear Operator;</li><li>-May be required to work outside normal working hours, including nights, weekends and public holidays;</li><li>French law;</li><li>-Generates Acceptance Plans, conducts technical reviews and writes Acceptance Reports for the designs prepared by the Domestic Agencies and their contractors; Leads meetings relating to the design and construction of the IO buildings and ensures full traceability of activities &amp; recommends formal acceptance of designs in their capacity of Nuclear Operator;</li><li>-Acts as Technical Responsible Officer for selected contracts, both for engineering &amp; construction activity;</li><li>-Monitors &amp; implements the preparation, updates and manages the technical documentation of the IO requirements for the buildings and site infrastructure with a specific focus on the nuclear buildings; Undertakes on-site oversight activities and audits to ensure that construction activities are carried out in accordance with approved supervision plans;</li><li>-Reviews civil works contractor's control plans, making interventions, drafting supervision plans and leads on-site supervision of civil construction works developing &amp; reviewing associated records and reports;</li><li>-Analyses &amp; prepares technical impact assessments of Project Change Requests, Deviation Requests raised by Domestic Agencies (DAs) and conducts technical review of Non Conformance Reports raised by DAs and subcontractors;</li><li>-Ensures the proper implementation of the IO policies, procedures and work instructions in particular those relating to Quality Assurance and safety taking into account the specific requirements of the Nuclear French law;</li><li>-Acts as Section Leader in case of absence &amp; approved delegation;</li><li>-Performs other duties in support of the project schedule;</li></ul>

	<ul style="list-style-type: none"> <li>-May be requested to be part of any of the project/construction teams, task force, working group and to perform other duties;</li> <li>-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</li> </ul>
	<ul style="list-style-type: none"> <li>-Under the supervision and guidance of the BIPS PT Leader, reports to the Building &amp; Civil Works (BCW) Section Leader;</li> <li>-Interacts with other BIPS PT staff, Building &amp; Civil Works (BCW) Section Team Coordinators, Responsible Officers, IO line management, with all IO staff, with DAs' technical personnel; with IO contractor &amp; technical departments; Works closely with staff and contractors to ensure interfaces are coherent and managed in accordance with applicable configuration control procedures;</li> <li>-In response to requests from the Director-General and/ Construction (CST) Department Head, proactively informs the DG and/or CST Department Head 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.</li> </ul>
Measures of effectiveness	<ul style="list-style-type: none"> <li>Achievement of the proper performance (including safety and quality control), scope, costs and schedule of assigned tasks;</li> <li>Approval of Building Civil Designs via Acceptance Report Approvals and Hold Point Clearances;</li> <li>Completion of technical responses within assigned timeframe including responses to Requests for Information;</li> <li>Site and Buildings Nuclear Safety Defined Requirements documents are maintained up to date and approved;</li> <li>Technical documents drafted reviewed and approved successfully;</li> <li>High standard contribution to technical meetings and level of positive feedback from attendees including the drafting and issuing of accurate meeting records;</li> <li>Recognition by others of technical and managerial expertise.</li> </ul>

## Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Engineering
Level of experience	At least 10 years
Technical experience/knowledge	<ul style="list-style-type: none"> <li>-At least 10 years' experience in the field of civil engineering, with a strong level of competence in both design and construction oversight within a nuclear environment;</li> <li>Strong experience of design and construction within a nuclear environment and to specific internationally recognized standards applicable to the Nuclear Buildings Industry such as GS-R-3;</li> <li>-Experience of design and construction within the framework of the specific French Nuclear Safety regulations would be beneficial;</li> <li>-Experience of design and construction within the framework of Eurocodes would be beneficial;</li> <li>-Experience of implementation of rigorous Quality Assurance procedures and management of associated documentation would be beneficial</li> <li>-Experience of motivating and leading people to achieve outcomes and in managing technical meetings to achieve project goals would be beneficial;</li> <li>-Experience of project management concepts such as scheduling, earned value management, etc. would be beneficial.</li> </ul>
Social skills	<p>Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit, Ability to communicate effectively</p> <ul style="list-style-type: none"> <li>-Understanding of the ITER project and/or Fusion environment would be beneficial;</li> <li>-Extensive experience in similar jobs (involving similar work responsibilities) and/or additional training certificates in relevant domains may be considered a reasonable substitute for the above mentioned educational degree.</li> </ul>
General skills	<ul style="list-style-type: none"> <li>-Strong ability to effectively communicate, both verbally and in writing at all levels;</li> <li>-Ability to motivate others and be recognized as a motivating leader;</li> <li>-Ability to make decisions under stressful circumstances;</li> <li>-Ability to work successfully in a team environment as well as alone.</li> </ul>
Languages	English (Fluent)

Specific skills	Ansys, CATIA, Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	-Good working knowledge of MS Office suite of software. Knowledge of technical software such as CAD, CATIA, ROBOT and/ or ANSYS would be an advantage