

ITER 국제기구 공모 직위 직무기술서 (제113차)

○ 2개 직위

구분	분야	소속	직위	Job No.	등급
①	플랜트엔지니어링 (PED)	Plant Engineering Department Building & Civil Works Section	Construction Coordinator	PED-008	P4
②	중앙통합 (CIO)	Central Integration Office Analysis Section	Structural Analysis Civil Engineer	CIO-010	P2

IO1541 Construction Coordinator PED-008

General information

Job category	Standard
Status	Published
Department	PED / Plant Engineering Department
Division	PED / Building & Civil Works Section/Division

Job description

Main job	Engineering - Construction
Title of the position	Construction Coordinator PED-008
Job family	Coordinating Engineer
Grade	P4
Direct employment	Not required
Purpose	<p>To play a key role in the Project Team (PT) within the Building & Civil Works (BCW) Section/ Division which is primarily to ensure the oversight of the design and construction of the buildings and site infrastructure associated with the ITER project such that the project objectives in terms of cost, schedule and performance are achieved. To prepare, co-ordinate and supervise activities for the acceptance of construction works executed by suppliers in the ITER role as Nuclear Operator as defined by French regulations.</p> <p>To ensure the implementation of the ITER construction supervision systems in particular those relating to oversight of contractors and suppliers.</p>
Main duties / Responsibilities	<p>Monitors the weekly coordination meeting with the contractors on site;</p> <p>Undertakes the day to day preparation, update and management of the supervision procedures in compliance with the ITER requirements for the Buildings and Site Infrastructure including power supplies.;</p> <p>Ensures the proper implementation of the surveillance rules in close cooperation with the relevant supporting contractors to adapt the level of surveillance to the needs and the criticality of the systems;</p> <p>Performs a coordination role in the integration of the suppliers' schedules for construction works and the ITER system schedules for equipment installation and assembly;</p> <p>Assesses Deviation Requests/ Non-conformities raised by the concerned PT, the Domestic Agencies (DAs) and subcontractors including the preparation and management of associated Project Change Requests;</p> <p>Assesses critically the Quality Plans, Control Plans, procedures and schedules prepared by the PT, DAs and their contractors in close relation with Quality Assurance & Assessment (QAA) Division and takes an active role as a technical expert in construction inspections relating to all aspects of the BIPS;</p> <p>Plans, sets up and manages PT inspections and audits of the construction activity documentation produced by the Engineer and the Contractors for formal acceptance in accordance with approved procedures and in close relation with QAA Division;</p> <p>Ensures the proper implementation of the ITER management policies, procedures and work instructions focusing on French regulatory requirements relating to Basic Nuclear Installations in particular the application of the ITER Quality Assurance Program (QAP);;</p> <p>Participates in the update of the long term and short term construction schedules and contributes to progress reports and meetings;</p> <p>Acts as Team Coordinator, Responsible Officer in case of absence and approved delegation, as requested;</p> <p>Writes technical documents, procedures and work instructions for the oversight activities and effectively and efficiently checks the written reports produced by others and creates, reviews and approves technical documents maintaining of the record ITER database;</p> <p>May be requested to belong to any project team dealing with above activities and perform other duties upon management request;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p>

Measures of effectiveness	<p>Direct Supervisor and Interfaces</p> <p>Under the supervision and guidance of PT Leader, reports to the Building & Civil Works (BCW) Section/ Division Leader;</p> <p>Interfaces with other PT staff, Building & Civil Works (BCW) Section/ Division Team Coordinators, Responsible Officers, IO line management, with all IO staff, with DAs' technical personnel; with IO contractor technical departments;</p> <p>In response to requests from the Director-General and/or the Plant Engineering Department (PED) Head, or proactively, informs the DG/ PED 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.</p>
	<p>Compliance of assigned tasks to the ITER schedule;</p> <p>Completion of technical responses within assigned timeframe;</p> <p>Number of technical documents drafted and reviewed successfully;</p> <p>Contribution to technical meetings and level of positive feedback from attendees;</p> <p>Coordination of the acceptance of construction works.</p> <p>Positive feed-back from interfacing Technical Responsible Officers.</p> <p>Project Construction Phase</p>

Applicant criteria

Technical experience/knowledge	Level of study	Master or higher degree
	Diploma	Civil, Mechanical, Building Services, or other.
	Level of experience	At least 10 years
		Master's in Civil, Mechanical, Building Svc, Process, Construction, Nuclear Eng. or other appropriate.
		Project exp.: 10+ years in civil &/or structural eng. &/ or mechanical/ building svcs eng., with strong competency in construction mngmt/oversight; Exp. building construction within a regulated env. with strict QA procedures (e.g. pharmaceuticals, petrochemicals, food, life sciences etc.); Exp. in a nuclear env. and with internationally recognized standards appl. to Nuclear Buildings Industry such as GS-R-3 is an advantage; Exp. implementing QA procedures & managing assoc. doc.;
		Exp. motivating & leading people to achieve outcomes & managing technical meetings to achieve project goals;
		Exp. project mngmt tools such as scheduling, Earned Value Management, task mngmt, change control;
		Exp. problem solving in a multi-task env. to strict deadlines;
		Exp. making presentations, writing reports & effective verbal comm.;
		Knowledge of ITER project &/or Fusion env. is beneficial.
	Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit, Ability to communicate effectively, Ability to work under pressure, Proactive
		Social Skills: Strong ability to effectively communicate, both verbally and in writing with Officers at all levels distributed throughout the Organization
	General skills	Ability to anticipate issues and proactively manages them;
		Experience of working within an international environment would be beneficial
		Ability to motivate others and be recognized as a motivating leader.
		Ability to make decisions under stressful circumstances
	Languages	English (Fluent)
	Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)

IO1540 Structural Analysis Civil Engineer CIO-010

General information

Job category	Standard
Status	Published
Department	CIO/ Central Integration Office
Division	CIO / Analysis Section/Division

Job description

Main job	Engineering - Civil engineering
Title of the position	Structural Analysis Civil Engineer CIO-010
Job family	Engineer - 1
Grade	P2
Direct employment	Not required
Purpose	<p>To perform structural analyses and develop solution for the structural verification of civil structures and mechanical components following requirements and priorities defined by the Analysis Section / Division Head.</p> <p>The activity will include the creation of geometric and computational models derived from Computer Aided Design (CAD) models or drawings, to present the results, to demonstrate their accuracy and to write reports of the analyses to the standard required for structures and equipment in Nuclear Power Plants.</p> <p>The analyses will be in support of the demonstration of the structural reliability of civil constructions and components in normal and extreme conditions including beyond design basis events.</p>
Main duties / Responsibilities	<p>Prepares finite element (FE) or computational models;</p> <p>Performs structural analyses for the structural verification of ITER civil constructions and mechanical components following methodologies and procedures applied in Nuclear Installations;</p> <p>Proposes solutions for the demonstration of compliance of components with the design criteria for Nuclear Installations;</p> <p>Prepares detailed and summary analysis reports;</p> <p>Develops programs, macros and software routines to interface programs for common use across the project;</p> <p>Develops and improves the interface of FE programs with CAD system;</p> <p>Contributes to the update and record of the FE model developed inside the ITER Organization and by the DA's;</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan & upon management request;</p> <p>May be requested to belong to any project team dealing with above activities and perform other duties upon management request;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p>
Measures of effectiveness	<p>Reports to the Analysis Section / Division Head;</p> <p>Acts as an interface between with all other ITER Departments;</p> <p>In response to requests from the Director-General and/or Head of Central Integration Office (CIO), Head of CIO or proactively, informs the DG/ 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.</p> <p>Provides accurate calculations according to the defined schedule;</p> <p>Provides comprehensive reports and summaries of the performed and revised analyses;</p> <p>Contributes to cost saving and improvement of work efficiency;</p> <p>Generates and maintains trustworthy, up to date information related to the machine technical scope.</p> <p>Project Construction Phase</p>

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Civil Engineering or other related discipline
Level of experience	At least 5 years
Technical experience/knowledge	<ul style="list-style-type: none"> - At least 5 years of experience in structural mechanical calculations and related activities; - Experience in the preparation of stress test report for Nuclear Installations; - Experience in the use of finite elements analysis software; - Basic Project Management experience is required. <ul style="list-style-type: none"> - Knowledge of design criteria for nuclear and non-nuclear civil constructions and mechanical components; - Knowledge of analysis methodologies for normal and extreme events including those that are considered beyond design basis for Nuclear Installations.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
Languages	English (Fluent)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	Experience using computer usage (super computer, cluster machines, stand-alone work station); Experience in the use of finite element software; Experience working with Microsoft Office suite of programs.