

## ITER 국제기구 공모 직위 직무기술서 (제213차)

### ○ 1개 직위

구분	분야	소속	직위	Job No.	등급
①	플랜트엔지니어링 (PED)	Fuel Cycle Engineering Division Tritium Plant Section	Radiological Monitoring Officer	PED-221	P4

# IO1893 Radiological Monitoring Officer - PED-221

## General information

Job category	Standard
Status	Published
Department	PED / Plant Engineering Department
Division	PED / Fuel Cycle Engineering Division
Section	PED / FCED / Tritium Plant Section

## Job description

Main job	Engineering - Nuclear Power
Title of the position	Radiological Monitoring Officer - PED-221
Job family	Coordinating Engineer
Grade	P4
Direct employment	Required
Purpose	<p>To manage all design aspects, procurement and contract management of the ITER Radiological and Environmental Monitoring System (REMS) package. This task covers not only specific design work associated with radiological aspects (neutrons, activated material, tritium, X-rays, etc.) but shall also account for other industrial hazards encountered in ITER such as beryllium.</p> <p>-Implements the requirements of the French regulatory authorities for radiological instrumentation standards, environmental monitoring and occupational safety hazards in conjunction with the ITER Safety Department;</p> <p>-Develops and documents the radiological and environmental monitoring program requirements for all ITER facilities in liaison with the Safety Department;</p> <p>-Responsible for updates and revisions of the ITER Design Description Document and SRD-64 - REMS, following value engineering methods and in light of the construction schedule;</p> <p>-Reviews the ITER building designs to revise the requirements for REMS instrumentation as needed;</p> <p>-Produces interface documents with other ITER groups involved in the implementation of the ITER REMS, including data acquisition, alarm handling, power supplies, buildings, ventilation, and other services;</p> <p>-Produces assembly and installation plans of the REMS instruments and equipment in collaboration with other ITER groups;</p>
Main duties / Responsibilities	<p>-Produces specifications for the ITER REMS laboratory and associated equipment in conjunction with the ITER Safety Department;</p> <p>-Oversees the procurement of all REMS required by ITER;</p> <p>-Manages R&amp;D related to REMS;</p> <p>-Supervises assembly, installation and commissioning of REMS equipment;</p> <p>-Performs other duties in support of the project schedule;</p> <p>-May be requested to be part of any of the project/construction teams and to perform other duties;</p> <p>-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>-Special notice: 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.</p> <p>-Reports to the Tritium Plant Section Leader;</p> <p>-Interfaces with groups involved in confinement systems, data acquisition, alarm handling, power supplies, buildings, ventilation and other services;</p> <p>-In response to requests from the Director-General and/or Head of Plant Engineering Department (PED), 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>-Work Products: Completes assignments as specified, on time and within budget    particular attention will be given to progress on REMS value engineering, including definition and</p>

Measures of effectiveness	<p>harmonization of functions and requirements, on REMS interface descriptions and on operational plans; progress will include collection of written and verbal information, coordination, analysis, synthesis, clash resolution, and communication of results;</p> <p>-Team Contributions: Provides and receives contributions from fellow team members, contributes to an overall productive work environment, and liaises successfully with the Safety Department;</p> <p>-Safety and Security: Performs work, generates designs and oversees the work of others with proper attention to safety and security; ensures integration of REMS related activities into the licensing process.</p> <p>Project Construction Phase ID SAP: 50001157</p>
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## Applicant criteria

Level of study	Master or equivalent degree
Diploma	Nuclear engineering or relevant disciplines
Level of experience	At least 10 years
Technical experience/knowledge	<p>-At least 10 years' experience in the design and implementation of radiological instrumentation and environmental monitoring systems in a large nuclear or radioactive isotope handling facility;</p> <p>-Experience with procurement contracts, including the negotiation and agreement of the equipment's technical development;</p> <p>-Demonstrated experience in negotiations with nuclear regulators would be advantageous.</p> <p>-A demonstrated capability to lead a multidisciplinary projects and to interact with experts in many scientific disciplines.</p> <p>-Specific experience or vocational education in radiological instrumentation design is required;</p> <p>-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 required educational degree.</p>
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	-Working knowledge in French for interacting with French Nuclear Regulator is advantageous.
Languages	English (Fluent)
Specific skills	Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	<p>-Experience with data acquisition and control would be advantageous;</p> <p>-Capability to use CAD software (i.e. AVEVA tools) would be advantageous.</p>