

ITER 국제기구 공모 직위 직무기술서 (제233차)

○ 3개 직위

구분	분야	소속	직위	Job No.	등급
①	사무총장실 (DG)	Director-General	Internal Auditor	IAS-001	P6
②	토카막 엔지니어링 (TED)	Tokamak Engineering Department Vessel Division	Vacuum Vessel Engineer	TED-136	P2
③	플랜트 엔지니어링 (PED)	Cooling Systems Engineering Division Cooling Water System Section	Cooling Water Operator	PED-139	G4

IO1945 Internal Auditor - IAS-001

General information

Job category	Standard
Status	Published
Department	DG / Director-General

Job description

Main job	Business Administration - Audit
Title of the position	Internal Auditor - IAS-001
Job family	Specific jobs
Grade	P6
Direct employment	Required
Purpose	<p>The Internal Auditor shall provide independent, objective assurance and consulting activity to add value and improve the ITER Organization's administration and operations. S/he shall help the ITER Organization accomplish its objectives by bringing a systematic, disciplined and global approach to evaluate and improve the effectiveness of organizational risk management, control and governance. The Internal Auditor shall assist the ITER Organization's Director-General in the effective discharge of her/his responsibilities by furnishing her/him with objective analyses, appraisals, recommendations, counsel, and information concerning the activities reviewed.</p>
Main duties / Responsibilities	<ul style="list-style-type: none">-Prepares at least annually a risk-based audit plan and resource estimate that are consistent with the Organization's goals, and have them submitted/approved by the Director-General and the Financial Audit Board;-Plans, organizes and executes approved assurance and consulting engagements to assess the adequacy & effectiveness of management systems for controlling, risk management, administration, budgetary and financial management and information technology governance, and to then report the results of the engagements;-Follows-up on the implementation of the audit recommendations with timely updates of the status and ensures that improvements are made to reduce the residual risks to appropriate levels;-Assesses the performance of organizational units to ascertain whether defined objectives have been achieved and whether those objectives were achieved efficiently;-Assists in the formulation of appropriate anti-fraud policy, code of ethics and their implementation;-Conducts special audit inspections and examinations at the request of the Director-General;-Develops and establishes professional Internal Audit practices within the ITER Organization which are consistent with The Institute of Internal Auditors International Professional Practices Framework;-Advises the Director-General and the Financial Audit Board on any matters relating to the Internal Audit, organizational risk management, controls and governance;-Provides an official written report to the Director-General after conclusion of the Audit, assurance and consulting engagements;-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.-Reports regularly to the Director-General and periodically to the Financial Audit Board as per the Audit Charter;-Interacts on a daily basis with ITER staff members.
Measures of effectiveness	<ul style="list-style-type: none">-Develops and manage the annual audit plan within the defined quality and schedule;-Provides efficient and high quality assurance and consulting services to the Director-General, the Financial Audit Board and to the management in general;-Monitors efficiently the follow-up of corrective actions;-Establishes a positive and constructive relationship with all ITER staff members.
	Project Construction Phase

Applicant criteria

Level of study	At least Master's Degree or equivalent
Level of experience	At least 15 years
Technical experience/knowledge	<ul style="list-style-type: none"> -At least Master's degree or equivalent in business, management, administrative, financial, or IT-related field; -A dual qualification (business administration/ with engineering/ technical would be an advantage) is desirable.
Social skills	<p>Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit</p> <ul style="list-style-type: none"> -Internationally recognized professional audit qualification, CIA, CISA is required; along with accounting qualifications such as CA, and CPA or equivalent is required.
General skills	<ul style="list-style-type: none"> -At least 15 years' experience in auditing; -Good experience in analyzing business/technical processes, to identify risks, and to develop and execute audit procedures; -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; -Ability to apply international accounting standards IPSAS and auditing standards such as those of IIA; -Experience in similar roles and responsibilities in International Organizations, or Multi-National Corporation is a plus.
Languages	English (Fluent)
Specific skills	<p>MS Office standard (Word, Excel, PowerPoint, Outlook), SAP</p> <ul style="list-style-type: none"> -Ability to promote transparency and high visibility of shared contributions to goals; -Ability to adjust communication content and style to deliver messages to diverse audiences; -Ability to analyze multiple and diverse sources of information to define problems accurately; -Ability to model high standards of diversity, trust, excellence, team mindset, integrity and loyalty.
Others	<ul style="list-style-type: none"> -Proficiency of in working with ERP systems, particularly SAP ; -Fluent in English (written and spoken). -Knowledge of French would be an advantage.

IO1946 Vacuum Vessel Engineer TED-136

General information

Job category	Standard
Status	Published
Department	TED / Tokamak Engineering Department
Division	TED / Vessel Division

Job description

Main job	Engineering - Vacuum technologies
Title of the position	Vacuum Vessel Engineer TED-136
Job family	Engineer - 1
Grade	P2
Direct employment	Not required
Purpose	<p>To contribute and oversee engineering, manufacturing, and assembly activities related to the procurement of the Vacuum Vessel (VV) components including sealing flanges, bellows, pipes, etc;</p> <p>To manage interfaces and integration of the VV components including in-kind procured components.</p>
Main duties / Responsibilities	<ul style="list-style-type: none">-Performs engineering, manufacturing, and assembly activities related to the procurement of the VV components including sealing flanges, bellows, pipes, etc;-Integrates these VV components internal as well as external of the VV;-Performs engineering activities in support of the fabrication of components under Domestic Agency (DAs) responsibility: checking of documentation, drawings, justification of non-conformance reports (NCRs);-Prepares the specifications and is responsible for the procurement oversight for VV components;-Performs factory acceptance tests for VV components;-Manages the metrology of the as built components, resolving NCRs and managing the reverse engineering;-Prepares specifications for the Assembly of the VV components;-Manages the issues related to the assembly of the as-built components, proposing and implementing the required measures;-May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays;-Implements the 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 other duties in support of the project schedule;-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics. <p>-Under the supervision of the Group Leader, reports to the Vacuum Vessel Division Head;</p> <p>-Effectively interfaces with ITER domestic agencies responsible for procurement;</p> <p>-In response to requests from the Director-General and/or Tokamak Engineering Department (TED) Head, or proactively, informs the DG/TED 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>
Measures of effectiveness	<ul style="list-style-type: none">-Successfully contributes to the delivery of the VV components on time;-Completes specifications for the VV components implementing IO quality standards within the defined deadline;-Prepares specifications for the Assembly of the VV implementing IO quality standards within the defined deadline;-Proposes and implements efficient solutions for the successful assembly and preparation of commissioning of the VV.
	Project Construcion Phase

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Engineering, mechanical, nuclear or other relevant
Level of experience	At least 5 years
Technical experience/knowledge	<ul style="list-style-type: none"> -At least 5 years' experience in design, preparation of specifications, procurement and oversight of fabrication for Ultra-High Vacuum (UHV) and/or pressure equipment's; -Experience in acceptance and commissioning of components required; -Experience in installation and assembly of components required; -Knowledge on French Nuclear regulation is considered as an advantage; -Project Management experience in addition to the procurement experience will be an advantage; -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.
Social skills	<p>Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit</p> <ul style="list-style-type: none"> -Ability to facilitate dialogue with a wide variety of contributors and stakeholders;
General skills	<ul style="list-style-type: none"> -Ability to adjust communication content and style to deliver messages; -Ability to persist in the face of challenges to meet deadlines with high standards; -Ability to model high standards of team mindset, trust, excellence, loyalty and integrity.
Languages	English (Fluent)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)

IO1947 Cooling Water Operator - PED-139

General information

Job category	Standard
Status	Published
Department	PED / Plant Engineering Department
Division	PED / Cooling Systems Engineering Division
Section	PED / CSED / Cooling Water System Section

Job description

Main job	Engineering - Hydraulics
Title of the position	Cooling Water Operator - PED-139
Job family	Technician - 3
Grade	G4
Direct employment	Not required
Purpose	<p>To contribute to the preparation of the testing, commissioning and pre-operation of the Cooling Water System (CWS) in support to the Cooling Water System Technical Responsible Officer (CWS TRO);</p> <p>To execute the planned testing and commissioning procedures for the Cooling water System;</p> <p>To operate the ITER CWS by using the Process Control Systems.</p>
Main duties / Responsibilities	<ul style="list-style-type: none">-Applies the procedure, prepared by the Indian Domestic Agency (IN DA) and their sub-tier vendors, for operating the CWS main components and subsystems (e.g. cooling towers, pumps, heat exchangers, chillers etc.);-Participates to the testing and final acceptances of CWS components and sub-systems organized by Domestic Agencies (DAs) and relevant manufacturers;-Prepares punch lists and relevant templates for testing, commissioning and pre-operation of the CWS;-Attends and reviews commissioning, testing, operation procedures;-Attends to the on-site testing, commissioning, pre-operation and maintenance of the CWS applying the required operative manuals;-Applies operative procedures for the Process Control Systems of the CWS and for the relevant Instrumentation & Control (I&C);-Controls the respect of the schedule for testing, and commissioning and pre-operation of the CWS;-Provides support as requested for the on-site installation activities of the CWS;-Provides technical support for the operation and maintenance of the CWS during the pre-operational phase;-Provides technical support for the management of the CWS auxiliary systems (e.g. electrical power, compressed air etc.) for performing testing and pre-commissioning;-Contributes to ensure quality assurance for the defined scope of work and to manages interface issues;-May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays;-May be requested to be part of any of the project/construction teams and to perform other duties in support of the project schedule;-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.-Reports to the Cooling Water System Section Leader;-Interfaces with other ITER Technical Departments as required; Maintains communication with other organizations within the ITER collaboration and the fusion community;-In response to requests from the Director-General and/or Head of the Plant Engineering Department (PED), or proactively, informs the DG/Head of PED 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.
Measures of effectiveness	-Support efficiently the commissioning of the systems implementing relevant procedures and

	<p>acceptance tests according to the required safety and functional performances;</p> <p>-Prepare efficiently a smooth integration among ancillary systems of the CWS during commissioning;</p> <p>- Report effectively the CWS systems' performances during testing, commissioning and operations;</p> <p>-To efficiently communicate with the ITER Construction and Operation Divisions engineers during the CWS Construction and the commissioning stages until the eventual operation phases.</p>
	Project Construction Phase

Applicant criteria

Level of study	Bachelor or equivalent degree
Level of experience	At least 5 years
Technical experience/knowledge	<p>-Bachelor's degree or equivalent in Industrial, Mechanical, Nuclear, Electrical, Chemical or Process Engineering.</p> <p>-At least 5 years' experience in the testing, commissioning and/or operation of complex installations, preferably in the Oil&Gas or Nuclear fields related to cooling water system;</p> <p>-Good experience in the process engineering for large installations, preferably in the Oil&Gas or Nuclear fields would be highly desirable with knowledge of pre-commissioning and startups;</p> <p>-Experience in writing technical documents;</p> <p>-Experience in operations of chillers, large pumps, heat exchangers, etc. is considered as an advantage;</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	<p>-Ability to listen and to dialogue with a wide variety of contributors and stakeholders;</p> <p>-Ability to work in a team and to promote team work;</p> <p>-Ability to persist in the face of challenges to meet deadlines with high standards;</p> <p>-Ability to implement high standards of team mindset, trust, excellence, loyalty and integrity.</p>
Languages	English (Fluent)
Specific skills	CATIA, ENOVIA, MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	-Knowledge of CATIA (ENNOVIA) and SMART PLANT is preferable.