

ITER 국제기구 공모 직위 직무기술서 (제104차)

○ 2개 직위

구분	분야	소속	직위	Job No.	등급
①	플랜트 시스템 엔지니어링 (PSE)	Plant Engineering Division Cooling Water System Section	Manufacturing Engineer	TCWS-022	P1
②			Scheduler	TCWS-020	G3

IO1447 Manufacturing Engineer TCWS-022

General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Plant System Engineering
Division	PSE/Plant Engineering Division
Section	PSE/ PED/ Cooling Water System Section

Job description

Main job	Engineering - Manufacturing, welding
Title of the position	Manufacturing Engineer TCWS-022
Job family	Engineer - EC
Grade	P1
Direct employment	Not required [Job offer for 3 year contract]
Purpose	<p>To participate in the analysis of the feasibility of the complex piping modules/skids in terms of weldability, inspectability and maintainability;</p> <p>To participate in the optimization of the Tokamak Cooling Water System (TCWS) piping subsystem construction process definition;</p> <p>To contribute to the successful construction of the TCWS piping subsystem;</p> <p>To participate in the testing of the TCWS piping subsystem.</p>
Main duties / Responsibilities	<p>Envisions the optimal configuration of sub-assemblies in order to facilitate the construction sequence of the TCWS coordinated with the rest of systems in the building;</p> <p>Defines the welding procedures to be used in the assigned systems;</p> <p>Defines the scope of Non-destructive testing (NDT) to be performed in the assigned systems;</p> <p>Participates in the design & conformity assessment of the Cooling Water System (CWS) according to the French regulations (ESP/ESPN) & following required design codes & standards as per Licensing Design Basis;</p> <p>Maintains full & fruitful involvement in the systems design, fabrication & modularization of CWS according to the prescriptions of the French Nuclear Regulator - Autorité de Sûreté Nucléaire (ASN) & also follows the indications of the concerned Agreed Notified Body (ANB);</p> <p>Participates in the manufacturing of CWS;</p> <p>Supports the Cooling Water System (CWS) Section for the design, procurement, assembly and/or installation & operation of the CWS components in close collaboration with Domestic Agencies & other ITER Directorates;</p> <p>Contributes to ensuring fruitful & continuous integration in CWS commissioning issuing & supporting issues of commissioning technical specifications & procedures.</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule & the Strategic Management Plan;</p> <p>Performs other duties linked to the above purpose upon management request, as necessary;</p> <p>Maintains a strong commitment to the implementation & perpetuation of the ITER Safety Program, values & ethics.</p>
Measures of effectiveness	<p>Reports to the Cooling Water System Section Leader;</p> <p>Acts as an interface with other internal & external resources for the design of the Cooling Water System components;</p> <p>In response to requests from the Director-General and/or Plant System Engineering (PSE) Directorate Director, or proactively, informs the DG/ PSE Directorate Director of any important & urgent issues that cannot be handled by the concerned line management & may jeopardize the achievement of the Project's objectives.</p> <p>Performs feasibility study of the Cooling Water System piping in a timely manner;</p> <p>Produces manufacturing/testing reports on time and with a high quality standard;</p> <p>Contributes to ensuring satisfaction of safety and functional requirements flowdown.</p>

Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Mechanical or Nuclear Engineering or equivalent
Level of experience	At least 2 years
Technical experience	At least 2 years' experience in the construction of large piping systems for Nuclear facilities; Basic knowledge of manufacturing techniques, welding procedures and related codes; Basic knowledge of NDT's techniques and testing procedures, as well as related standards; Basic experience in the System Engineering of complex Nuclear projects will be considered advantageous; Knowledge of the French ESP/ESPN regulations and practical application will be considered advantageous.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	Basic Project Management experience/knowledge is required.
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	Knowledge of 2D-3D CAD software (AVEVA PDMS, Intergraph Smartplant or Catia) is appreciated.

IO1444 Scheduler TCWS-020

General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Plant System Engineering
Division	PSE/Plant Engineering Division
Section	PSE/ PED/ Cooling Water System Section

Job description

Main job	Project Management - Scheduling
Title of the position	Scheduler TCWS-020
Job family	Technician - 2
Grade	G3
Direct employment	Required [Job offer for 3 year contract]
Purpose	<p>To support the Cooling Water System (CWS) Section project scheduling activities.</p>
Main duties / Responsibilities	<p>Supports the CWS Section in preparing the Detailed Work Schedule (DWS), the Annual Work Plan (AWP), the specific plans for the Final Design of Tokamak Cooling Water Systems (TCWS) and the Procurement and Preassembly of the TCWS piping;</p> <p>Prepares & updates the resources loading in TCWS as associated to the time schedule of the relevant activities.</p> <p>Prepares and updates the time schedule for the production of the documents with the associated resources for the TCWS activities.</p> <p>Prepares & updates the time schedule for the TCWS project plan.</p> <p>Prepares & updates time schedule for the construction sequence of TCWS selected the proper construction technology for TCWS;</p> <p>Supports the CWS Section for the preparation of the monthly schedule performance report associated with the Arrangements for the Final Design of TCWS & the Procurement & Preassembly of the TCWS piping;</p> <p>Supports the CWS Section for the preparation of the monthly schedule for the Project Performance Report (PPR);</p> <p>Contributes to the risk analysis & associated mitigation strategy for the TCWS design & procurement;</p> <p>Collaborates to monitor the time schedules prepared by the Domestic Agencies, contractors & suppliers to ensure conformance with Detailed Work Schedule (DWS) & Annual Work Plan (AWP) milestones;</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule (DWS) & the Strategic Management Plan (SMP);</p> <p>Performs other duties linked to the above purpose upon management request, as necessary;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values & ethics.</p> <p>Reports to the Cooling Water System Section Leader;</p> <p>Acts as an interface with other internal & external resources for the final design, the procurements, the pre-assembly & the installation of the TCWS;</p> <p>In response to requests from the Director-General and/or Plant System Engineering (PSE) Directorate Director, or proactively, informs the DG/PSE Directorate Director of any important & urgent issues that cannot be handled by the concerned line management & may jeopardize the achievement of the Project's objectives.</p> <p>Provides time scheduling and resource loading supports for the TCWS activities in an efficient and timely manner;</p>

Measures of effectiveness	Provides support to prepare the DWS and the AWP in timely manner; Provides monthly schedule performance reports in timely manner.
	Project Construction Phase

Applicant criteria

Level of study	At least Post-Secondary Degree or equivalent
Diploma	Management Engineering field or equivalent
Level of experience	At least 3 years
	3 years' experience in time scheduling of complex systems and projects;
	Experience for the preparation of complex work plan and resource lading;
Technical experience	Experience working with data base and or documents for system design, procurement and fabrication;
	Experience for the preparation of periodic schedule performance reports.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook), Primavera