

# IO1372 Project Manager TCWS-002

## General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Central Engineering & Plant

## Job description

Main job	Project Management - Generalist
Title of the position	Project Manager TCWS-002
Job family	Coordinating Engineer
Grade	P4
Direct employment	Not required
	[Job offer for 3-year contract]
Purpose	<p>To manage and coordinate the Organization Centralized Procurement and Preassembly of Piping Systems for ITER. The major ITER piping systems is the Cooling Water System (CWS) but other systems are also considered.</p> <p>The ITER Tokamak Cooling Water System (TCWS) has 3 separate primary heat transport systems supported by three additional systems, with a requirement to remove approximately 1,000 MWT of heat. The systems perform a safety function for confinement of radioactive material, confinement of high energy liquid, and decay heat removal which is generally lower in magnitude (less radioactive material, pressure, and decay heat) but of similar function to commercial fission reactors. The systems have 33 km of nuclear-grade piping, which is a comparable size to a commercial fission reactor water system. The TCWS system is complex due to specialized features such as draining and baking functions that use heaters and pressurized gas.</p>
Main duties / Responsibilities	<p>Leads and manages the TCWS Centralized Procurement and Preassembly of Piping Systems for ITER;</p> <p>Is responsible for the preparation of the technical specifications and contractual documentation for the call for tender of the Centralized Piping for the ITER machine;</p> <p>Performs the required analysis and contractual negotiation for the adjudication of the procurement;</p> <p>Develops project and risk plans according to recognized best practice;</p> <p>Maintains project plans, milestones, change control and risk plans;</p> <p>Carries out regular project reviews;</p> <p>Ensures flow-down of requirements, implementation of nuclear safety guidelines and quality assurance standards in all the activities performed;</p> <p>Is responsible for configuration management for the piping system;</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule and 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 and perpetuation of the ITER Safety Program, values and ethics.</p>
Measures of effectiveness	<p>Reports to the Director of the Central Engineering and Plant Directorate;</p> <p>Acts as an interface with internal and external resources to coordinate the procurement and installation of the ITER piping systems under his responsibility.</p> <p>In response to requests from the Director-General, 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>Manages the procurement of the centralized piping system;</p> <p>Coordinates the design activities of the centralized piping system;</p> <p>Implement project management techniques for the monitoring of the centralized piping system;</p> <p>Maintains project plans, milestones, change control and risk plans.</p>
	Project Construction Phase

Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Engineering or equivalent
Level of experience	At least 10 years
Technical experience	At least 10 year's experience in the Project Management of complex piping systems in the nuclear field; Project Management experience in managing global schedule, cost and risk of a project is required; At least 5 years' experience in negotiating and managing large procurement contracts; Successful experience in coordinating activities performed by technical staff.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	Project Management Certification will be considered as a distinct advantage; Technical ability to procure and manufacture nuclear plant piping systems and components; Knowledge of design codes and standards; Proficiency in industrial cooling water components and processes.
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)