

IO1212 Cooling Water Piping Engineer CEP-030

General information

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

Job description

Main job	Engineering - Mechanics
Title of the position	Cooling Water Piping Engineer CEP-030
Job family	System Engineer - 2
Grade	P4
Direct employment	Not required
Purpose	To be responsible to oversee and coordinate the Cooling Water System (CWS) piping and pressure equipment design, procurement, installation and testing within the defined cost and schedule.
Main duties / Responsibilities	Oversees and coordinates the design, the layout and the procurement of the CWS piping systems made by industry according to the ASME B31.3.; Oversees and coordinates the design and the procurement of the CWS pressure vessels made by industry according to the ASME VIII div. 2; Oversees and coordinates the design of the CWS pressure equipment made by industry to be compliant to the ESP-ESPB French rules; Analyses and checks the stress analyses of the CWS piping systems made by industry and update the CWS load specification accordingly; Ensures the finalization of the design of the CWS Configuration and Detailed Model drawings and relevant interfaces in the Tokamak Complex, auxiliary buildings and the site; Ensures that the CWS piping and equipment design is properly integrated, installed and finally tested on the ITER site and with the interfacing clients; Review the documents, configuration models and drawings prepared by industry; Performs other duties in support of the project schedule as described in the Detailed Work Schedule and Strategic Management Plan; Performs other duties linked to the above purpose upon management request, as necessary; Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.
Measures of effectiveness	Reports to the Cooling Water System Section Leader; Acts as an interface between the CWS design coordinator, Designers, and Domestic Agencies' staff and suppliers to monitor and support development and update of CMs; Acts as an interface between the Cooling Water System section and the interfacing client and user systems; In response to requests from the Director-General (DG) and/or Director for Central Engineering and Plant (CEP) Directorate, or proactively, informs the DG/ Director for CEP Directorate 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. Oversees and coordinates the Cooling Water System (CWS) piping and pressure equipment design, procurement, installation and testing within the defined cost and schedule; Provides all inputs necessary to design, procure, construct and test the CWS according to the defined schedule; Communicates effectively with other stakeholders and peers within the framework of ITER collaboration and the fusion community.
	ID Number : 50000206 Project Construction Phase

Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Mechanical, process engineering or other relevant
Level of experience	At least 8 years
Technical experience	Technical experience in the design and procurement of complex and large piping systems and pressure vessels; Minimum of 5 years technical experience in the installation and testing of complex industrial systems. Relevant experience in design codes for pressure vessels and piping systems in the nuclear field (e.g. ASME, ESP-ESPB, etc.).
Project experience	2 to 4 years
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	Excellent knowledge of design, procurement, installation and testing of complex piping systems and pressure vessels.
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Free criteria	Good knowledge of running computer codes for stress analysis of piping and support structures; Good knowledge of software applications for development of 3D model and 2D schematics.