

# IO1251 Cooling Water Process Specialist CEP-052

## 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 - Hydraulics
Title of the position	Cooling Water Process Specialist CEP-052
Job family	Experienced Technician - 2
Grade	G5
Direct employment	Required
Purpose	<p>-To provide technical support for the coordination and monitoring of design, manufacturing, installation and commissioning of the Cooling Water System (CWS) in close collaboration with the Indian (IN) and American (US) Domestic Agencies (DAs) as well as relevant technical divisions at ITER Organization (IO);</p> <p>-To provide technical support for the definition and update of process interfaces and the design, procurement, implementation and testing of the Instrumentation and Controls required by the Cooling Water System.</p> <p>Supports the CWS Technical Responsible Officers (TROs):</p> <p>-To ensure the coordination of design and manufacturing activities with the DAs and suppliers;</p> <p>-To ensure coordination of installation activities at the IO;</p> <p>-For the design of the CWS Plant Process Control Systems and the design of the relevant Instrumentation and Control (I&amp;C);</p> <p>-For the final approval of the Process and Flow Diagrams, Pipe and Instrumentation Diagrams, Logic and loop diagrams, Single line and Cabling diagrams, fault tree, interlock, sequence and block diagrams;</p> <p>-For the on-shop acceptance tests of the CWS plant control systems and relevant I&amp;Cs as specified in the relevant DAs' procurement arrangements;</p> <p>-For preparing the procedures for the on-site testing and commissioning the CWS plant control systems and relevant I&amp;Cs;</p> <p>-For preparing the procedures to operate CWS;</p> <p>-Provides support for the identification of the requirements and selection of the hardware for the I&amp;C;</p>
Main duties / Responsibilities	<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> <p>-Reports to the Cooling Water System Section Leader;</p> <p>Works in close co-operation with the IN and US Domestic Agencies and the Assembly and Operation, Controls and Data Acquisition, Nuclear Safety and clients technical teams;</p> <p>-In response to requests from the Director-General and/or the Director for Central Engineering and Plant, or proactively, informs the DG/Director for Central Engineering and Plant 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>-Communicates and collaborates with the ITER machine assembly and operation division;</p> <p>-Communicates, coordinates and monitors the IN and US DAs;</p> <p>-Supports the CWS TROs for the design, manufacturing, installation and commissioning of the Cooling Water System;</p>
Measures of effectiveness	<p>-Supports the CWS TROs for the design of the CWS Plant Process Control Systems and the design and testing of the relevant Instrumentation and Control.</p>

-ID SAP : 500001079.  
-Project Contruction Phase.

## Applicant criteria

Level of study	At least Bachelor's degree or equivalent
Diploma	Process Engineering
Level of experience	At least 8 years
Technical experience	-Experience in process engineering for complex cooling system preferably in the nuclear field; -At least 2 years' experience in testing, commissioning and operating complex installations, preferably in the nuclear field.
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)