

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.