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JOB DETAIL

Ref. IO1947 - 2/8/2018

Cooling Water Operator - PED-139

Main job Hydraulics**Department** PED / Plant Engineering Department**Division** PED / Cooling Systems Engineering Division**Section** PED / CSED / Cooling Water System Section**Job Family** Technician - 3**Application Deadline
(MM/DD/YYYY)** 03/25/2018**Grade** G4**Direct employment** Not required

Purpose 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);
To execute the planned testing and commissioning procedures for the Cooling water System;
To operate the ITER CWS by using the Process Control Systems.

Main duties / Responsibilities

- 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.

Measures of effectiveness

- 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.

-Support efficiently the commissioning of the systems

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implementing relevant procedures and acceptance tests according to the required safety and functional performances;
-Prepare efficiently a smooth integration among ancillary systems of the CWS during commissioning;
- Report effectively the CWS systems' performances during testing, commissioning and operations;
-To efficiently communicate with the ITER Construction and Operation Divisions engineers during the CWS Construction and the commissioning stages until the eventual operation phases.

Project Construction Phase

Level of study Bachelor or equivalent degree

Level of experience At least 5 years

Technical experience/knowledge -Bachelor's degree or equivalent in Industrial, Mechanical, Nuclear, Electrical, Chemical or Process Engineering.

-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;
-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;
-Experience in writing technical documents;
-Experience in operations of chillers, large pumps, heat exchangers, etc. is considered as an advantage;
-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.

Social skills Ability to work effectively in a multi-cultural environment
Ability to work in a team and to promote team spirit

Specific skills CATIA
ENOVIA
MS Office standard (Word, Excel, PowerPoint, Outlook)

General skills -Ability to listen and to dialogue with a wide variety of contributors and stakeholders;
-Ability to work in a team and to promote team work;
-Ability to persist in the face of challenges to meet deadlines with high standards;
-Ability to implement high standards of team mindset, trust, excellence, loyalty and integrity.

Others -Knowledge of CATIA (ENNOVIA) and SMART PLANT is preferable.

Languages English (Fluent)

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