

IO1662 Process Engineer for Commissioning - PED-033

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 - Mechanics
Title of the position	Process Engineer for Commissioning - PED-033
Job family	Engineer - 1
Grade	P2
Direct employment	Not required
Purpose	<p>To issue procurement and process documents valid for the testing and commissioning of Cooling Water Systems (CWS).</p> <p>To participate in the design activity for the process engineering and the control logic of the Cooling Water Systems</p> <p>To participate in the testing of the CWS equipment after manufacturing and according to the relevant Factory Acceptance Tests (FAT).</p> <p>Develops and finalizes the process engineering for commissioning the CWS systems namely for the Tokamak Cooling Water Systems (TCWS) and for Component Cooling Water Systems (CCWS), Chilled Water System (CHWS) and Heat Rejection System (HRS);</p> <p>Develops strategies for testing the CWS systems mainly in stand-alone mode and with separated isolated clients aiming to reduce the time schedule for the eventual integrated commissioning with all the CWS clients.</p> <p>Supports the CWS Section for the preparation of the time schedule for the relevant testing, commissioning and operation in close collaboration with other ITER Organization Divisions/Departments;</p> <p>Supports the CWS for ensuring the proper integration of CWS for testing and commissioning all the other relevant clients aiming at identifying possible corrective actions to add flexibility and reduce time schedule during testing and commissioning phases;</p> <p>Participates to the finalization of the CWS functional analyses, considering the requirements during testing and commissioning of all the CWS systems;</p> <p>Collaborates with the Instrumentation & Control (I&C) Engineers in the CWS Section to develop the control logic design studies and their integration in the CWS systems;</p> <p>Verifies with the Nuclear Safety Engineer how to check and to assess during the commissioning the accidental scenarios involving CWS;</p> <p>Participates in the manufacturing of CWS equipment namely to attend to the Factory Acceptance Tests (FAT);</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;</p>
Main duties / Responsibilities	<p>May be requested to be part of any of the project team dealing with the above activities and performs other duties upon management request;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics;</p> <p>Capacity to work on beryllium-containing components, following the established ITER Beryllium Management Program for working safely with beryllium.</p> <p>Reports to the Cooling Water System Section Leader;</p> <p>Acts as an interface with other internal and external resources for the design of the Cooling Water System components;</p> <p>In response to requests from the Director-General and/or Plant Engineering Department (PED) Head, or proactively, informs the DG/ PED Head of any important and urgent issues that cannot be handled by the concerned line management and may jeopardize the achievement of the</p>

Measures of effectiveness	Project's objectives.
	Produces reports for testing and commissioning of the Cooling Water Systems in a timely manner;
	Produces and/or check the time schedules for both the stand alone and the integrated testing and commissioning of the Cooling Water Systems in a timely manner;
	Produces testing/commissioning reports on time and with a high quality standard;
	Ensures the satisfaction of safety and functional thermal hydraulic requirements during the testing/commissioning phases.
	Project Construction Phase

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Mechanical or Nuclear Engineering
Level of experience	At least 5 years
Technical experience/knowledge	At least 5 years' experience of testing and commissioning of cooling systems for Nuclear facilities;
	Basic experience in the System Engineering of complex Nuclear projects;
	Basic experience in the design or construction of cooling systems for Nuclear facilities;
	Basic Project Management experience is appreciated.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
Languages	English (Fluent)
Others	Knowledge of MS Office standard (Word, Excel, PowerPoint, Outlook) is required; Knowledge of 2D-3D CAD software (AVEVA PDMS or Catia and See-Visio) is appreciated.