

<b>Title: Leader of Cooling Water System group Central Engineering and Plant Support</b>		<b>CEP 002</b>
<b>Reports to Line Manager: Director of Plant Engineering Group</b>		
<b>DIRECT EMPLOYMENT: NOT REQUIRED</b>		<b>GRADE RANGE: P3 ~P5</b>
<b>Date Written:</b>	<b>Date Revised:</b>	<b>Date Revised:</b>

**Purpose:**

Responsible for the integration and all design aspects of the whole ITER cooling water systems (CWS) by leading the CWS group members and to work collaboratively with the ITER group/divisions in charge of the clients for the cooling water systems and designers in the multi PTs to complete the CWS design.

**Major Duties/Responsibilities:**

- To coordinate and collaborate with the CWS group members to complete the CWS [i.e. Tokamak Cooling Water Systems (TCWS), Components cooling Water systems (CCWS), Chilled Water System (CHWS) and Heat Rejection System (HRS)] design
- To be responsible for clarification of the functional requirements of the whole CWS
- To be responsible to design the system and components for the CWS including the layout
- To coordinate design activities in the PTs for CWS design and R&D
- To integrate the CWS design with the rest of system/ components in ITER
- To complete design description document (DDD) of the CWS and technical specification
- To support the licensing activities in close contact to the safety group
- To monitor the schedule/ cost for the CWS construction

**Qualifications Required:**

- More than university degree in Engineering
- Excellent for English speaking and writing as well as the engineering
- Mechanical/ plant system engineer with enough experience (maybe more than 10 years) on fission power plants design.
- Technical ability to design of nuclear plant systems and components, and recommended a knowledge for water chemistry, layout and construction
- Managerial experience (maybe more than 5 years) on wide range (project wise) experience on plant design/ construction
- Collaborative and positive personnel

**The following optional qualifications will be considered an advantage:**

- Good communication skills
- Able to develop and maintain effective international contacts in plant system engineering discipline
- Knowledge of the design of tokamak fusion machine systems

**Work Direction and Interfaces:**

- Reports to DDG of Central Engineering and Plant Support.
- Interfaces with other ITER Project Divisions/Group as required.
- Maintains communications with other organizations within the ITER collaboration and the fusion community.

**Authority/Approval Levels:**

Has authority and approval levels defined by the DDG of Central Engineering and Plant Support for the scope of work (CWS).

**Measures of Effectiveness:**

- Successfully communicates with the ITER machine components designers to optimize both component and remote maintenance equipment design and performance
- Successfully communicates with other PTs/ organizations within the ITER collaboration and the fusion community.
- Successfully supports the CWS group colleagues.
- Successful completion of the tasks assigned under “Main Duties / Responsibilities” above.