

Title: Cooling Water Layout Engineer Central Engineering and Plant Support / Plant Engineering Division		CEP 030
Reports to Line Manager: Leader of Cooling Water System Group		
DIRECT EMPLOYMENT: NOT REQUIRED		GRADE RANGE: P2 ~P4
Date Written:	Date Revised:	Date Revised:

Purpose:

He/She would be a mechanical/layout engineer with experience for fission power plants, and he/she will work in close contact with the ITER group/divisions in charge of the configuration control and designers in the cost-share-PTs to complete the mechanical design and layout for the all cooling water systems.

During the initial period of assignment, because of the limited staff working in the ITER Organization, the successful candidate may be asked to take the responsibility of layout and piping related-works of cryogenic system.

Major Duties/Responsibilities:

He/she will be responsible for mechanical design and layout for all cooling water systems.

Qualifications Required:

- Educational
 - He /she must be excellent for English speaking and writing as well as the engineering.
- Work experience
 - He/she would be mechanical/ plant system engineer with enough experience (maybe more than 10 years) on fission power plants design.
- Skills
 - He/she would have following personality.
 - Technical; Mechanical analysis for piping and components and layout
 - Personal; Collaborative and positive personnel
 - Managerial; wide range (project wise) experience on plant design

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 would be an advantage

- Language skills: French an asset; German and/or Japanese would be an advantage.
- Ability to effectively perform tasks in multicultural environment, covering international energy projects is essential
- Aptitude for team working essential
- Good problem-solving skills and judgment
- Able to perform duties autonomously, with speed and accuracy, according to agreed budgets and schedules.
- Able to respond effectively under pressure

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 division head for the scope of work.

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 completes tasks assigned under “Main Duties / Responsibilities” above.