

TITLE: Head of Plant Engineering Division		CEP-058
REPORTS TO LINE MANAGER: DDG for Central Engineering and Plant Support; Department of Central Engineering and Plant Support		
DIRECT EMPLOYMENT: NOT REQUIRED		GRADE: D1
Date Written: July 2007	Date Revised:	Date Revised:

Purpose:

Responsible for the integration of all design aspects, construction planning and installation of Plant Support Systems as follows: Cooling Water System (WBS 2.6), Cryoplant and Cryodistribution System (WBS 3.4), Hot Cell and Radwaste Processing System (WBS 2.3) . Provides leadership for Plant Engineering Division members and works collaboratively with ITER management, users of plant support systems, and with multiple Participant Teams to complete the engineering design, installation, testing and commissioning of Plant Support Systems.

Major Duties/Responsibilities:

- To coordinate and collaborate with the Plant Engineering Division Section Leaders and section members to complete the Plant Support Systems on time and within budget
- To ensure that functional requirements for each Plant Support System are specified and documented as required by ITER-IT and that functional requirements meet user needs
- To anticipate, avert and/or resolve issues that arise regarding the quality and design each of the Plant Support Systems by collaborating ITER-IT and/or PT's
- To coordinate the collection and reporting of project management information including progress on design and fabrication activities performed by the PTs
- To ensure consistency regarding integration of the design with the rest of system/ components in ITER and that lessons learned from one WBS element are transferred to other WBS elements
- To coordinate completion of Procurement Arrangements for Plant Support Systems, including design description documents (DDD) and technical specifications
- To support the licensing activities in close contact to the Safety Control Section
- To support resolution of conflicts regarding the schedule/ cost for the Plant Support Systems construction

Qualifications Required:

- Masters or higher degree in Mechanical, Chemical or Nuclear Engineering
- Excellent English speaking, presentation and writing skills
- At least 10 years experience in engineering management, mechanical design, or systems engineering
- In-depth technical understanding of complex design and construction (e.g., nuclear plant systems and components)
- At least 5 years managerial experience on a wide range of project-related experience or plant design/ construction
- Collaborative and positive personality

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
- Knowledge of water chemistry, construction, waste processing, hot cell operations, and cryogenic system

Work Direction and Interfaces:

- Reports to DDG of Central Engineering and Plant Support Department.
- Interfaces with other ITER Project Divisions/Sections 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 assigned to the Process Engineering Section.

Measures of Effectiveness:

- Successfully communicates with the Plant Engineering Section Leaders to foster a collaborative and productive working environment
- Cost and schedule are maintained
- Results of the 2007 Design Review and incorporated into the design of Plant Support Systems.
- Successfully communicates and collaborates with other PTs/ organizations within the ITER organization
- Successful completion of the tasks assigned under “Main Duties / Responsibilities” above.