

TITLE: Civil Engineer – Nuclear Buildings		CCS-006
REPORTS TO LINE MANAGER: Head, Civil Construction and Site Support Office [HCCSSO]		
Direct Employment: Not Required		Grade: P4
DATE WRITTEN: 2006-Oct-24/ <i>Dec-08</i>	DATE REVISED:	DATE REVISED:

Purpose:

Support the HCCSSO in all matters related to civil engineering of the nuclear, seismically qualified buildings, including tokamak complex (tokamak (B11), tritium(B14) and diagnostics(B74)); hot cell (B21); radwaste (B23); and emergency power supply (B41). Assists in defining and documenting the interfaces between these buildings and the related technical systems contained inside.

Provides assistance and guidance to the Architect Engineer responsible for detailed design and layout of nuclear buildings. Provides technical support to the civil and mechanical construction contractor and manages cost effective implementation. Assists the HCCSSO to liaison with the European Legal entity in matters of civil engineering during construction.

Major Duties/Responsibilities:

- Supports HCCSSO in all matters related to civil engineering and construction activities for the nuclear buildings.
- Reports the work scope, schedule, cost information to the HCCSSO in support of project office reporting, on a monthly basis.
- Assists in coordinating the technical interface between the on-site construction and the technical subsystem responsible officers.
- Monitors the contractors QA and Safety program with the AE and subcontractors.
- Maintains interface documentation and keeps it up to date.
- Responsible for change control for the civil engineering of nuclear buildings.
- Compiles the relevant data for technical design changes, costs and schedules, and reports on any variances.
- Identifies risks and manages them.
- Manages the change control process for his/her scope of work and communicates changes to the project office. Guarantees integration with other technical interfaces.
- Shows strong commitment to the ITER safety program and enforces it through individual behaviour and in his/her organization.
- Maintains a strong commitment to the implementation and perpetuation of ITER values and ethics.

Qualifications Required:

At least 15 years experience in construction of large technical or science facilities, and in particular, in the successful licensing and completion of large nuclear facilities in Europe. Expertise in interface management with technically complex systems.

Knowledgeable of permitting procedures and legal environmental requirements in construction. Excellent safety record on previous construction jobs. Experience in project management and the use of modern management tools. Experience in effective QA management and implementation. Possibility of staying in the project for more than 5 years.

Work Direction and Interfaces:

Reports to the HCCSSO. Interfaces with all technical divisions to support excellent integration. Implements and enforces Tier's QA program. Interfaces with the construction design team on building requirements and with the construction manager on cost effective implementation. Handles labour relations with civil construction workforce. Interfaces with domestic authorities on permits and environmental impact. Implements ITER safety program on the construction site.

Authority/Approval Levels:

Has authority and approval levels defined by the HCCSSO for his/her scope of work.

Measures of Effectiveness:

Successfully manages interface between technical system leaders and the design team for civil engineering of the nuclear buildings. Develops and maintains interface documentation.

Successfully manages budgets for the civil construction of nuclear buildings.

Successfully manages interface with Architect Engineer and the European Legal Entity.