

# Technical Specification

## Call for Expertise No IO/11/5565/CFE “MAI Expert Planning Resources”

### Positions to be filled:

<i>Position</i>	<i>Primary Team Assignment</i>
Planning and Scheduling	Machine Assembly and Plant Installation

### **Planning and Scheduling for Machine Assembly and Plant Installation**

Planning and Scheduling is a major activity in the areas of Machine Assembly and Plant Installation. Full time planning and scheduling experts are required to support the Machine Assembly and Plant Installation planning and scheduling activities commencing in July 2011. This call is for two experts.

The tasks will be performed under the direct supervision of the Leader of the Machine Assembly and Installation (MAI) Section, Assembly and Installation Engineers. Support for the execution of the task will be provided by the Assembly and Operations (AOP) Division, Senior Planning Officer.

The ideal candidates for these tasks will have a background and proven experience in planning for the installation and maintenance of systems similar to those that are applied on ITER.

The primary planning and scheduling tasks currently foreseen for 2011/2012 are:

1. Development of detailed, resource loaded schedule for In-Vessel activities. This schedule shall accurately reflect new Blanket design and phased assembly approach including the incorporation of Leak Testing, separate First Wall, Vertical Stability (VS) Coils, Diagnostics, and Elm Coils if required;
2. Update of the detailed, resource loaded In-Cryostat Assembly schedule to include all known and emerging design changes;
3. Development and integration of the detailed, resource loaded plant installation schedules for Tokamak Complex;
4. Development and integration of the detailed, resource loaded plant installation schedules for Non-Nuclear Buildings;
5. Support for the daily planning and coordination of MAI section activities including but not limited to, the near and long term workplans, procurement contracts and Procurement Arrangement support;

For Machine Assembly and Plant Installation sub-tasks include but are not limited to:

- Development and iteration of time phased, resource loaded detailed schedules;
- Integration of detailed schedules within the Assembly Primavera database;
- Evaluation of schedule issues, risks and opportunities;
- Analysis of interfaces and critical dependencies;
- Preparation of summary reports;
- Analysis of design changes affecting machine assembly and plant installation activities;
- Recommendation of schedule optimisations;
- Preparation of materials and participation in reviews of assembly and installation schedules;
- Support in the areas of Primavera administration and development of database applications;