TITLE: Technical Engineer – Assembly Procurement		**TKM-065**
REPORTS TO LINE MANAGER: Machine Assembly & Tooling Section Leader, Department for Tokamak		
DIRECT EMPLOYMENT: REQUIRED		**GRADE RANGE:** G5-G6
DATE WRITTEN: MAY , 2008	**DATE REVISED:**	**DATE REVISED:**

Purpose:

To support the staff of the Machine Assembly and Tooling Section in matters related to the definition, placing and follow-up of the contracts associated with the procurement activities of the Section. The scope of the work will include, but shall not necessarily be limited to assisting in the preparation of design concepts, drafting technical specifications, preparation of drawings, assisting in the tender cycle, and follow-up of the contract. The candidate will also participate in the development of the technologies required to complete the assembly operations, and ensure compliance with the ITER Quality Assurance (QA) program, safety requirements and procurement procedures. The successful candidate will be required to travel extensively.

Main Duties/Responsibilities:

- Supports the staff of the Machine Assembly and Tooling Section in all matters related to the assembly procurement activities.
- Assists in the design and development of the tooling required to assemble the Tokamak systems, and associated plant.
- Participates in the drafting of technical specifications, and supervise the preparation of tender drawings.
- Assists in the issue of calls for tender, and the technical evaluation of the returns.
- Participates in the monitoring of manufacturing and R&D activities, and acceptance of the supply.
- Shows a strong commitment to the ITER safety program and enforce it through individual behavior and work organization.
- Maintains a strong commitment to the implementation and perpetuation of ITER safety program, values and ethics.

Qualifications Required:

- Mechanical technical engineer, with a recognized qualification (degree, diploma or similar) in mechanical engineering, or a related discipline.
- Minimum of 10 years experience in the manufacture and assembly of large, complex, engineering systems.

- Detailed knowledge of manufacturing processes, including experience with nickel alloys and stainless steels.
- Knowledge of the specific requirements related to the manufacture of Ultra High Vacuum (UHV) systems would be a strong advantage.
- Substantial knowledge of project and contract management.
- Extensive knowledge of QA systems and their practical application in a manufacturing environment.
- Experience of international procurement and tendering.
- Proactive, with drive and initiative.
- Ability to work as a member of a multi-cultural team, but also to work independently when required.
- Ability to interface with team members at all levels.
- Good communication skills in written and spoken English.
- Ability to write clear and concise reports.

Work Direction and Interfaces:

- Reports to the leader of the Machine Assembly and Tooling Section.
- Supports the members of the Machine Assembly and Tooling Section.

Authority/Approval Levels

- Has authority and approval levels generally defined by the Deputy Director-General for his/her scope of work.

Measures of Effectiveness

- Successfully supports the Section in the preparation and follow-up of procurement and R&D contracts.
- Ensures quality, maintains delivery schedules and cost.
- Generates and maintains coherent, comprehensive and understandable documentation, and effectively reports progress.
- Maintains good communication with collaborators within the ITER Organization.
- Successfully completes the objectives set in agreement with the leader of the Machine Assembly and Tooling Section.