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JOB DETAIL

Ref. IO1814 - 2/13/2017

Neutral Beam Section Leader - TED-003

Main job Composite matters**Department** TED / Tokamak Engineering Department**Division** TED / Heating & Current Drive Division**Section** TED / HCD / Neutral Beam Section**Job Family** Section Leader**Application Deadline**
(MM/DD/YYYY) 03/28/2017**Grade** P5**Direct employment** Required

Purpose

- To lead the Neutral Beam (NB) Section and be responsible for all activities leading to the procurement of the NB heating and current drive injectors and the diagnostic NB injector;
- To ensure that Research & Development (R&D) necessary for the successful realization of the ITER NB injection system is carried out;
- To manage the Neutral Beam Test Facility (NBTF) design, manufacture and testing with the Das, which ensures that the NBTF allows comprehensive risk mitigation to the ITER NB systems.
- To coordinate the planning, schedule and technical control, and direct and design the R&D activities for the ITER NB system;
- To prepare ITER task agreements, interface documentation and procurement arrangement documentation.

Main duties / Responsibilities

- Supervises and directs the NB's activities, managing the contracts and resources allocated to the Section;
- Provides effective leadership for the Section ensuring team members are motivated and constantly developing their skills and experience;
- Ensures the successful realization of the NBTF and NB system;
- Gains and sustains a thorough knowledge of the ITER NB system, all associated technology and interfaces;
- Promotes the implementation of the NB system and associated technologies in ITER;
- Promotes the development and upgrade of the NB systems;
- Maintains the interfaces with the NB systems;
- Coordinates the R&D, in particular the NBTF activities carried out for the ITER NB systems both in the ITER Organization (IO), in Padua and in the Domestic Agencies (DAs);
- Keeps abreast of worldwide developments in NB injection relevant technology;
- Disperses the relevant information through publications and conference presentations;
- Supports the execution of the Strategic Management Plan and the Detailed Work Schedules defined by the Organization; executes and delivers work consistent with the budget of the Section and contributes to the staffing of the Section;
- Assures that IO's goals are achieved in a timely and effective manner, which meets safety, quality, cost and schedule targets;
- Maximizes human capital and people's commitment to achieving the IO goals;
- Provides leadership in safety;
- Builds and maintains relationship with internal and external stakeholders;
- May be requested to be part of any of the project/construction team and to perform other duties upon management request;
- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.

- Reports to Heating & Current Drive Division Head,
- Acts as an interface between the Section and the ITER Line Management;

Measures of effectiveness

- In response to requests from the Director-General and/or Tokamak Engineering Department (TED) Head, or proactively, informs the DG/ TED Head of any important and urgent issues that cannot be handled by the concerned line management and may jeopardize the achievement of the Project's objectives.

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- Ensures the NB systems design and implementation progresses at a satisfactory rate to meet the project requirements;
- Ensures the R&D or design work is carried out by the scientist or others under his supervision;
- Completes ITER tasks and contracts on time;
- Builds team spirit in the NB section and maintains good relations with the interfacing systems;
- Ensures good communication and collaboration with the procuring DAs;
- Ensures that the NB system meets the safety, quality and project requirements.

Project Construction Phase

Level of study	Master or higher degree
Diploma	Physics or Engineering or a related discipline
Level of experience	At least 10 years
Technical experience/knowledge	<ul style="list-style-type: none"> -At least 10 years' experience of project management with high power NB systems; -Experience in designing and operating high power neutral beam systems; -Extensive experience in advising NB experts, preferably in an international environment.
Social skills	<ul style="list-style-type: none"> -A PhD would be considered an advantage; -Knowledge of NB injector physics and engineering; -Knowledge of negative ion beam production. -Extensive experience in similar jobs (involving similar work responsibilities) and/or additional training certificates in relevant domains may be considered a reasonable substitute for the required educational degree.
Specific skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
Others	<p>MS Office standard (Word, Excel, PowerPoint, Outlook)</p> <ul style="list-style-type: none"> -At least 5 years' experience in supervising a team would be an advantage; -Ability to provide effective leadership; -Ability to motivate and develop the team members' skills and experience; -Demonstrated capability to lead a multi-disciplinary team and to interact with experts in different scientific disciplines. -Ability to negotiate with influence and convince internal and external stakeholders.
Languages	<ul style="list-style-type: none"> -Good working knowledge of word processing and spreadsheet software; -Skills consistent with managing a complex development project.
	English (Fluent)

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