

IO1587 Neutral Beam Section Leader - TED-003

General information

Job category	Standard
Status	Published
Department	TED / Tokamak Engineering Department
Division	TED / Heating & Current Drive Division
Section	TED / HCD / Neutral Beam Section

Job description

Main job	Science - Physics
Title of the position	Neutral Beam Section Leader - TED-003
Job family	Section Leader
Grade	P5
Direct employment	Required
Purpose	<p>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;</p> <p>To ensure that Research & Development (R&D) necessary for the successful realization of the ITER NB injection system is carried out;</p> <p>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.</p> <p>To coordinate the planning, schedule and technical control, and direct and design the R&D activities for the ITER NB system;</p> <p>To prepare ITER task agreements, interface documentation and procurement arrangement documentation.</p>
Main duties / Responsibilities	<p>Supervises and directs the NB Section's activities;</p> <p>Provides effective leadership for the Section ensuring team members are motivated and constantly developing their skills and experience;</p> <p>Ensures the successful realization of the NBTF and NB system;</p> <p>Gains and sustains a thorough knowledge of the ITER NB system, all associated technology and interfaces;</p> <p>Promotes the implementation of the NB system and associated technologies in ITER;</p> <p>Promotes the development and upgrade of the NB systems;</p> <p>Maintains the interfaces with the NB systems;</p> <p>Manages the contracts and resources allocated to the NB Section;</p> <p>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);</p> <p>Keeps abreast of worldwide developments in NB injection relevant technology;</p> <p>Disperses the relevant information through publications and conference presentations;</p> <p>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;</p> <p>Assures that IO's goals are achieved in a timely and effective manner, which meets safety, quality, cost and schedule targets;</p> <p>Maximizes human capital and people's commitment to achieving the IO goals;</p> <p>Provides leadership in safety;</p> <p>Builds and maintains relationship with internal and external stakeholders;</p> <p>May be requested to be part of any of the project team dealing with the above activities and perform other duties upon management request;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>Reports to Heating & Current Drive Division Head,</p> <p>Acts as an interface between the Section and the ITER Line Management;</p> <p>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</p>

Measures of effectiveness	cannot be handled by the concerned line management and may jeopardize the achievement of the Project's objectives.
	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.
	SAP ID: 50000303
	Project Construction Phase

Applicant criteria

Technical experience/knowledge	Level of study	Master or higher degree
	Diploma	Physics or Engineering or a related discipline
	Level of experience	At least 10 years
		Master's degree or higher or equivalent in Physics or Engineering or a related discipline. A PhD would be considered an advantage Knowledge of NB injector physics and engineering; Knowledge of negative ion beam production;
		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.
		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.
	People management experience	At least 5 years
	Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
	General skills	Ability to negotiate with influence and convince internal and external stakeholders.
	Languages	English (Fluent)
	Others	Good working knowledge of word processing and spreadsheet software; Skills consistent with managing a complex development project.