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JOB DETAIL

Ref. IO1587 - 10/12/2015

Neutral Beam Section Leader - TED-003

Main job	Physics
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)	11/03/2015
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> <ul style="list-style-type: none"> • Supervises and directs the NB Section's activities; • 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;
Main duties / Responsibilities	<ul style="list-style-type: none"> • 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; • Manages the contracts and resources allocated to the NB Section; • 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

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	<p>external stakeholders;</p> <ul style="list-style-type: none">• May be requested to be part of any of the project team dealing with the above activities and perform other duties upon management request;• Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics. <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 cannot be handled by the concerned line management and may jeopardize the achievement of the Project's objectives.</p>
Measures of effectiveness	<ul style="list-style-type: none">• 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. <p>SAP ID: 50000303</p> <p>Project Construction Phase</p>
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">– 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; <p>– At least 10 years' experience of project management with high power NB systems;</p> <p>– Experience in designing and operating high power neutral beam systems;</p> <p>– Extensive experience in advising NB experts, preferably in an international environment.</p> <p>– At least 5 years' experience in supervising a team would be an advantage;</p> <p>– Ability to provide effective leadership;</p> <p>– Ability to motivate and develop the team members' skills and experience;</p> <p>– Demonstrated capability to lead a multi-disciplinary team and to interact with experts in different scientific disciplines.</p>
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.
Others	<ul style="list-style-type: none">– Good working knowledge of word processing and spreadsheet software;– Skills consistent with managing a complex development project.
Languages	English (Fluent)

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