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JOB DETAIL


Ref. IO1588 - 10/8/2015

Mechanical Engineer - TED-023

Main job	Mechanics
Department	TED / Tokamak Engineering Department
Division	TED / Vessel Division
Section	TED / VV / VV/Ports & Thermal Shield Section
Job Family	Engineer - 2
Application Deadline (MM/DD/YYYY)	11/01/2015
Grade	P3
Direct employment	Not required
Purpose	<p>To be responsible for the implementation of the Thermal Shields (TS) procurement.</p> <p>To be responsible for design finalization of the TS components including the assessment of the cryogenic power requirements and the overall heat balance of the system.</p> <p>To be responsible for monitoring of manufacturing and assembly of the TS.</p>
Main duties / Responsibilities	<ul style="list-style-type: none"><li>• Ensures cooling design and assessment of the cryogenic power requirements;</li><li>• Manages thermal and structural analysis as required during manufacturing and assembly;</li><li>• Manages interface issues including clearance/gap control for all operation scenarios;</li><li>• Manages manufacturing and assembly of all components of TS including Additional Nuclear Shielding (ANS), Thermal Shields Manifolds (TSM), Thermal Shields Instrumentation (TSI) and electrical &amp; thermal insulations, etc;</li><li>• Inspects manufacturing activities and factory acceptance test of the TS;</li><li>• Manages non conformities during manufacturing and assembly of the TS;</li><li>• Manages manufacturing process (schedule) and planning;</li><li>• Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;</li><li>• May be requested to be part of any of the project team dealing with the above activities and perform other duties upon management request;</li><li>• Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</li></ul> <ul style="list-style-type: none"><li>• Reports to VV/ Ports &amp; Thermal Shield Section Leader;</li><li>• In response to requests from the Director-General and/or Tokamak Engineering Department Head, or proactively, informs the DG/Tokamak Engineering Department 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.</li></ul>
Measures of effectiveness	<ul style="list-style-type: none"><li>• Completes analysis activities of TS in a timely manner and within defined costs;</li><li>• Manages effectively the manufacturing and the assembly of all components of TS;</li><li>• Generates and maintains coherent, comprehensive and understandable design documentation;</li><li>• Maintains effective communications within the ITER Organization.</li></ul>

SAP ID: 50000170

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Project Construction Phase	
Level of study	At least Master's Degree or equivalent
Diploma	Mechanical engineering field or other
Level of experience	At least 8 years
Technical experience/knowledge	<div>– At least 8 years of experience as a mechanical engineer and thermal analyst;</div> <div>– Basic Project Management experience is required;</div> <div>– Ability to evaluate thermal analysis results using design codes.</div>
Social skills	<div>Ability to work effectively in a multi-cultural environment</div> <div>Ability to work in a team and to promote team spirit</div>
Specific skills	<div>Ansys</div> <div>MS Office professional (Access, Project, Publisher, Visio )</div>
Languages	English (Fluent)
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