

# IO1364 Mechanical Engineer TKM-020

## General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Tokamak
Division	TKM / Vessel Division
Section	TKM/ VD/ VV / Ports Section

## Job description

Main job	Engineering - Mechanics
Title of the position	Mechanical Engineer TKM-020
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	<p>To be responsible for design, analysis, assembly and activities for the procurement of In-Wall Shielding (IWS).</p> <p>To be responsible for manufacturing management of IWS.</p>
Main duties / Responsibilities	<p>Collaborates with Indian (IN), Korean, European Domestic Agency (DAs) and ITER Organization (IO) other divisions to finalize In Wall Shielding (IWS) assembly sequence and design of assembly tools;</p> <p>Manages overall IWS design and manufacturing activities;</p> <p>Works in close collaboration with the Vacuum Vessel (VV) Technical Responsible Officer;</p> <p>Reviews thermal, hydraulic and structural analysis as required to verify the design;</p> <p>Solves issues related to interface between IWS and VV;</p> <p>Completes IWS design considering VV Project Change Request (PCR)/Design Review (DR), IWS assembly etc;</p> <p>Monitors progress of IWS Procurement Arrangement (PA) in collaboration with IN DAs, and collaborate with IN DAs/tender and IO to solve issues related to IWS PA;</p> <p>Supervises and reviews IWS manufacturing drawings;</p> <p>Coordinates IO/ Academy of Sciences, Institute for Plasma Physics/IN DAs for IWS design schedule, also coordinating IWS PA schedule with IO and IN DAs;</p> <p>Manages IWS manufacturing and integration by DAs;</p> <p>Finalizes the design and prepares for the procurement specification for the NB liner when it is required;</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;</p> <p>Performs other duties linked to the above purpose upon management request, as necessary;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p>
Measures of effectiveness	<p>Finalizes the engineering drawings for the IWS;</p> <p>Completes the IWS manufacturing design by IN DAs;</p> <p>Manages IWS manufacturing and integrations;</p> <p>Delivers in timely manner the IWS blocks within defined schedule;</p> <p>Generates and maintains coherent, comprehensive and understandable design documentation;</p> <p>Maintains effective communications within the IO and with DAs;</p> <p>Completes documents for Neutral Beam liner procurement in a timely manner when they are required.</p>
	<p>Reports to VV/Ports Section Leader;</p> <p>Interfaces with all other departments within the ITER Organization and the DAs;</p> <p>In response to requests from the Director-General and/or Director of Tokamak (TKM) Directorate, or proactively, informs the DG/Director of TKM Directorate 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>

## Applicant criteria

Level of study	At least Bachelor's degree or equivalent
Diploma	Engineering or other relevant discipline
Level of experience	At least 10 years
Technical experience	At least 10 years experience in Design and manufacture of components for UHV and/or nuclear devices; Experience in fabrication (forming and welding) of large stainless steel structures; Experience working with nuclear and conventional vessel codes.
Project experience	2 to 4 years
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)