

ITER 국제기구 공모 직위 직무기술서 (제192차)

○ 1개 직위

구분	분야	소속	직위	Job No.	등급
①	건설 (CST)	Construction Department Tokamak Assembly Section/Division	Assembly Engineer	CST-069	P2

IO1833 Assembly Engineer - CST-069

General information

Job category	Standard
Status	Published
Department	CST / Construction Department
Division	CST / Tokamak Assembly Section/Division

Job description

Main job	Engineering - Mechanics
Title of the position	Assembly Engineer - CST-069
Job family	Engineer - 1
Grade	P2
Direct employment	Not required
Purpose	<p>To contribute to the feeder special process assembly preparation and execution follow-up. To prepare the assembly documentation and develop/implement the quality control plan. To define and supervise the fabrication of the special tooling for feeder assembly. To organize and conduct training program of special assembly processes for on-site operators.</p> <p>-Contributes to the integration of Magnet Feeder specialty processes with related general construction tasks;</p> <p>-Composes and reviews/revises Feeder assembly and inspection procedures and work instructions;</p> <p>-Develops and conducts training programs for Feeder specialty on-site assembly operators emphasizing on the assembly of feeder busbar joint, the high voltage insulation and also for Feeder specialty on-site assembly operators during plant construction period ;</p> <p>-Develops/reviews the functional specifications and conceptual designs of the Feeder component mockups and assembly tooling;</p> <p>-Reviews manufacturing CAD models and drawings of the Feeder component mockups and assembly tooling;</p> <p>-Provides technical supports and proposes improvements to the manufacturing of Feeder mockups and assembly tooling, and supervises the qualifications and acceptance tests at supplier's site;</p> <p>-Improves the assembly procedures, the workflow of operators, and the tooling performance to expedite the feeder assembly;</p> <p>-Coordinates in collaboration with the Construction Manager as Agent (CMA) the Feeder on-site assembly activities to ensure the quality of assembly tasks, conducts the acceptance test in assembly procedure, and assists Feeder engineers to resolve technical issues;</p> <p>-Manages in collaboration with the CMA records of the Feeder assembly control points, the acceptance tests, the deviation requests, and the non-conformance;</p> <p>-May be required to work outside normal working hours, including nights, weekends and public holidays;</p> <p>-Performs other duties in support of the project schedule;</p> <p>-May be requested to be part of any of the project/construction teams and to perform other duties;</p> <p>-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>-Reports to the TAD section/division head</p> <p>-Interfaces with Special Process Project Manager, component/assembly ROs in Magnet Feeder and instrumentation teams;</p> <p>-In response to requests from the Director-General (DG) and/or Construction Department (CST) Head, or proactively, informs the DG/CST 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> <p>-Timely generates Feeders assembly and inspection plan and procedures, and technical</p>
Main duties / Responsibilities	

Measures of effectiveness	<ul style="list-style-type: none"> specifications for designs of assembly tooling and mockups; -Monitors efficiently the fabrication of assembly tooling and mockups within defined cost; -Coordinates and executes efficiently Feeders assembly activities; -Organizes successfully training program for on-site assembly operators; -Manages accurately and regularly the Feeder assembly database; -Maintains effective communication within the ITER Organization colleagues and stakeholders.
	Project Construction Phase

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Engineering
Level of experience	At least 5 years
Technical experience/knowledge	<ul style="list-style-type: none"> -Mechanical, material and electrical knowledge is a plus; -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. -At least 5 years' postgraduate experience in bolting/ welding assembly of large components with tight tolerance; -Experience in writing comprehensive assembly procedures and work instructions; -Hands-on experience in tooling application, design and fabrication for tight space assembly; -Familiarity with 3D CAD model and manufacturing drawings; -Familiarity with QC implementation for industrial production; -Experience with normal or superconducting magnet production and assembly, including high voltage insulation systems; -Good technical Project Management experience is required.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit, Ability to communicate effectively
General skills	<ul style="list-style-type: none"> -Ability to both work in a team and coordinate / supervise a group of professionals; -Ability to communicate clearly and write technical reports and specifications in English;
Languages	English (Fluent)
Specific skills	CATIA, ENOVIA, MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	<ul style="list-style-type: none"> -Good command of the Microsoft Office package; -Previous experience with the use of Catia V5 and ENOVIA management system or PDM (Product Data Management) software would be of benefit.