

IO1659 Cable Engineer - PED-038 & -039

General information

Job category	Standard
Status	Published
Department	PED / Plant Engineering Department
Division	PED / Electrical Engineering Division
Section	PED / EED / Cable Management Sub-Section

Job description

Main job	Engineering - Electricity
Title of the position	Cable Engineer - PED-038 & -039
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	<p>Two openings</p> <p>To support the Electrical Engineering Division in cable engineering and cable tray design in all ITER buildings and site tunnels/galleries. Follow up the procurement of the cables, connectors, cable trays and supports and the production of the in-field engineering activities in electrical related items.</p> <p>The entire scope of work, duties and responsibilities will be subdivided between the two best successful candidates according to the main areas in ITER facility:</p> <ul style="list-style-type: none">- Nuclear Buildings (PED-038);- Non-Nuclear Buildings and site tunnels/galleries (PED-039) <p>Manages Cable tray detailed design and cable routing in nuclear or non-nuclear buildings and areas;</p> <p>Implements the guidelines and rules established by the Electrical Engineering Division for routing and installation of power, instrumentation and control cables; in compliance with the Safety requirements related to cables and trays, mainly for the fire sectoring and gas leak confinement;</p> <p>Manages the layout allocation of electrical cabinets, and their internal design;</p> <p>Follows up the cable engineering work performed by the external contractor;</p> <p>Supervises the procurement of the cable trays and mechanical supports in nuclear common-nuclear buildings and areas;</p> <p>Provides in field engineering to produce Work Package and assistances in the construction site;</p> <p>Participates in the integrated commissioning with the Systems of the ITER facilities;</p> <p>Issues the technical documentation for procurement and installation of cables, cable tray, and cable termination assemblies, and the execution of on-site verifications and acceptance tests;</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>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>Under the supervision of the Cable Management Sub-Section Leader, reports to the Electrical Engineering Division Head;</p> <p>Acts as an interface between all members of the Electrical Engineering Division, ITER Design Office, Engineering Support Companies contracted by the ITER Organization and the ITER domestic Agencies;</p> <p>In response to requests from the Director-General and/or Director of Plant Engineering Department (PED) or proactively, informs the DG/Director of PED Department 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>Completes requested engineering design, procurement and installation activities of the Cable</p>
Main duties / Responsibilities	

Measures of effectiveness	engineering team in accordance with the defined schedule, with the support of the Cable Engineering contractor;
	Communicates efficiently with other sections and departments of the ITER Organization on related issues;
	Coordinates and direct efforts of the ITER Organization and the Domestic Agencies in respect to design, installation and commissioning of the cables.
Project Construction Phase	

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Electrical or Electro-mechanical engineering field
Level of experience	At least 5 years
Technical experience/knowledge	At least 5 years of relevant experience in cable engineering (cable diagram production, cable routing, cable tray design) in on site construction activities (coordination of cable pulling or cable tray installation);
	Experience in large procurement of cable, connectors or cable trays;
	Experience in technical integration/coordination for the construction of large (science or industry) projects would be an advantage;
	Experience in sealing of openings would be an advantage;
	Experience in electrical safety related items would be an advantage.
Social skills	Work experience in large scientific or industrial facilities is required;
	Basic 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
Languages	English (Fluent)
Others	MicroSoft Office suite
	Database knowledge would be an advantage
	CATIA V5, See System Design and/or AVEVA would be an advantage
	Stress Analysis tools (such as ANSYS) would be an advantage