

IO1312 Electrical Technician CEP-071

General information

Job category	Standard
Confidential	No
Status	Draft
Department	DIP/Directorate for Central Engineering & Plant
Division	CEP / Electrical Engineering Division
Section	CEP/ EED/ Electrical Power Distribution Secion

Job description

Main job	Engineering - Electricity
Title of the position	Electrical Technician CEP-071
Job family	Technician - 3
Duration of the contract	5 years
Grade	G4
Direct employment	Required
Supervised by:	Section Leader
Purpose	<p>To support the engineering activities for low voltage distribution of the ITER Steady State Electrical Power Network (SSEN) system, including the following up of the consumers' needs according to the project stages.</p> <p>To manage the interface & control documents (ICD), the interface sheets (IS) between SSEN and various plant systems.</p> <p>The key facts and figures of this system are:</p> <ul style="list-style-type: none">14 22kV/400V load centres;More than 50MVA installed power;Several hundreds of connection points;Emergency Power generators (total installed power about 18 MW), UPS (total installed power about 5 MW) and associated distribution system; <p>Computes the low voltage cable size using CANECO BT software and optimizes the installed power according the different rules defined for the electrical power distribution;</p> <p>Prepares and updates interface control documents and technical specifications for low voltage electrical installations inside the buildings;</p> <p>Prepares Computer Aided Design (CAD) work orders and follows up the CAD activities for the production of 3D layout models and 2D drawings for the components/system and systems under her/his responsibility;</p> <p>Proposes and implements actions required to resolve design integration issues;</p> <p>Follows up design and construction activities for components and systems under her/his responsibility and those carried out by the Domestic Agencies (DAs) and their contractors.</p>
Main duties / Responsibilities	<p>Ensures the implementation of Quality Assurance/Quality Control procedures for manufacturing and testing. Manage the non-conformances and deviation requests proposed by the DAs;</p> <p>Updates when required the Project Schedule associated with the fabrication, installation, testing and commissioning of the components and systems under her/his responsibility;</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Breakdown Structure Schedule or 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> <p>Reports to the Electrical Power Distribution (EPD) Section Leader;</p> <p>Acts as an interface between all technical divisions, to support excellent integration of the electrical installation, the DAs and contractors;</p> <p>In response to requests from the Director-General and/or Director of Central Engineering &</p>

Measures of effectiveness	Plant (CEP) Directorate, or proactively, informs the DG/ Director of CEP 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.
	Project Construction Phase
	Completes requested design, follow-up procurement and installation activities of the EPD Section in accordance with the defined schedule and cost;
	Communicates efficiently with other sections and Directorates of the ITER Organization on EPD related issues; Coordinates and directs efforts of the ITER Organization and the Domestic Agencies in respect to design, manufacturing, installation and commissioning of the ITER EPD.

Applicant criteria

Level of study	Bachelor or higher degree
Diploma	in the Electrical Engineering field or other
Level of experience	At least 5 years
Technical experience	Experience in low voltage distribution, components and systems, comparable with those of the ITER SSEN systems;
	Experience in large science or industrial facility is required; preferably in an international environment;
	Good knowledge of French electrical standards for low voltage distribution.
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)
Others	Good knowledge of electrical design software according French NF C15-100 standard is highly desirable.

Origin of the job

Entity	ITER ORGANIZATION
Recruitment reason	Replacement

HR Follow-up

Email alerts	Every 10 applications
Main recruiter in charge	Mélanie Picarel
Followed by	CHOE Hyunejune
Alert recipient(s)	Mélanie Picarel
Publication default start date	4/29/2013
Publication default end date	5/29/2013
Automatic update	No