JOB DETAIL

Ref. IO2063 - 12/20/2018

Electrical Surveillance Engineer PED185 & 186

Main job	Electricity
Department	PED / Plant Engineering Department
Division	PED / Field Engineering Installation Division
Job Family	Engineer - 1
Application Deadline (MM/DD/YYYY)	02/03/2019
Grade	P2
Direct employment	Not required
Purpose	Two openings To perform the Operator surveillance role during the installation of the electrical systems in the ITER buildings. To ensure the integration of activities between various contractors who work in the same buildings, ensuring that the on-site activities will be performed in full integration with the Construction Management Agent (CMA); To be the Operator of the electrical system under the scope of this position. To perform structural evaluations on trays, supports, conduits as generated by -in field changes during construction.
Main duties / Responsibilities	Is responsible for the management of the technical interfaces between the CMA, contractors and the IO's engineering departments; Leads the review process of any installation procedures, inspection and test plans and for the installation testing as issued by the contractor; Ensures consistency amongst the electrical systems during the installation phase and for the engineering work packages issued by IO's engineering departments; Follows the resolution of in field engineering changes and installation non-conformances; Issues inspection and observation reports when and where required; Is responsible for the installation sequence and schedules related to all of ITER's electrical systems within the scope of this position; Performs and reviews structural evaluation of in-field changes generated during installation of electrical systems or cables trays and related supports; Operates these electrical systems after commissioning; Checks the testing and commissioning of components that are installed under her/his responsibilities and alerts line management when necessary; May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays; Implements the surveillance and/or technical control of the Protection Important Activities, as well as their propagation to the entire supply chain; May be requested to be part of any of the project/construction teams and to perform other duties in support of the project; Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, ITER Values (Trust; Loyalty; Integrity; Excellence; Team mind set; Diversity and Inclusiveness) and Code of Conduct.
Measures of effectiveness	Under the supervision of the Team Leader, reports to the Field Engineering Installation Division Head, 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; Ensures the efficient execution of installation of the electrical systems in the ITER buildings within the defined cost, scope and schedule; Effectively manages the interfaces between IO engineering departments, the CMA and contractors; Completes the installation of the electrical components, ensuring proper implementation of safety and QA/QC requirements, Accurately reports on the status of the installation works in a timely manner.
Level of study	Master or equivalent degree
Diploma	Electrical Engineering

Level of experience	At least 5 years
Technical experience/knowledge	At least 5 years' experience in construction, installation, testing and operation of electrical components and systems in Nuclear Power Plants; Experience of installing and testing process instrumentation; Good knowledge of Quality Assurance/Quality Control procedures for the installation, commissioning and operation of electrical components, including safety relevant components, Experience in the installation and testing of large power converters and transformers and general design criteria for safety relevant components would be an advantage; Experience of international electro-technical commission standards for DC busbar and cable installations would be an advantage; Knowledge of structural discipline for sizing trays, supports , piping against static and dynamic loads would be advantageous;
General skills	The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains. Additional experience in industrial disciplines or general engineering physics (cooling system, gas, vapor and liquid processing) is considered as an advantage; Knowledge of French electrical standards in Basic Nuclear Installation is an advantage; Some knowledge of French would be advantageous. Ability to dialogue with a wide variety of contributors and stakeholders; Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment; Ability to persist in the face of challenges to meet deadlines with high standards; Ability to gather multiple and diverse sources of information to define problems accurately before moving to proposals; Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.
Others	MS Office standard (Word, Excel, PowerPoint, Outlook, CAD Tools – CATIA-AVEVA)
Languages	English (Fluent) French (Basic)