

TITLE: Electrical Installation Senior Technician		Post: CEP 042
REPORTS TO LINE MANAGER: Leader of the Steady State Electrical Power Network section		
GRADE RANGE: G4-G5		
Date Written: 10 December 2007	Date Revised:	Date Revised:

Purpose:

Senior technician or technical engineer to support the engineering design activities of the Steady State Electrical Power Network section in all matters related to the site electrical systems and equipment required for ITER Cadarache Site, including site and buildings grounding, site electrical power distribution, electrical power distribution within buildings and other facilities, emergency power distribution.

Major Duties/Responsibilities:

- Support the Steady State Electrical Power Network section in monitoring and following up design and construction activities related to electrical installations, integration of all electrical networks within the ITER Cadarache site, including checking of drawings, development of circuit diagrams, compilation and updating of list of electrical consumers and bill of materials.
- Monitor and follow up the interfaces and planning of temporary power supply distribution during construction phase
- Monitor and follow up the fabrication, factory acceptance test, on site installation and commissioning of definitive power supply components for building infrastructures, including loads centers, and sub-distribution boards and interfaces with electrical consumers.

Qualifications Required:

Engineering apprenticeship, or high school diploma in electrical installations, or equivalent.

At least 7 years experience in design, monitoring and follow up of electrical installations during construction of large technical or science facilities.

Experience in the use of design software tool for low voltage electrical installations, databases for electrical design and 2D electrical drawing tool.

Experience in electrical systems installations, testing and commissioning of systems and equipment.

Excellent safety record on previous construction jobs.

Experience in electrical systems installations, testing and commissioning of systems and equipment.

Capability to produce reports using MS office application including Excel

Possibility of staying in the project for at least 5 years.

The following optional qualifications will be considered an advantage:

Good knowledge of ETAP software application (www.etap.com) or equivalent applications for analysis of electrical circuits.

Good knowledge of European or International electrical standards for electrical installations, medium voltage load centers and low voltage installation rules.

Good knowledge of nuclear standards for electrical installations

Work Direction and Interfaces:

Report to the Section Leader, Steady State Electrical Power Network.

Interface with all technical divisions to support excellent integration of the electrical installations.

Measures of Effectiveness:

Successfully support the design and construction activities of the Steady State Electrical Power Network section, including electrical activities related to building and site electrical installations.

Successfully manage interfaces between site electrical construction facilities and the design teams of the building, site layout and electrical consumers, including those temporary facilities required during construction and installation.