

Title: Technology Specialist – Heating systems CODAC&IT, H&CD and Diagnostics / Heating and Current Drive		CHD 014
REPORTS TO LINE MANAGER: Divisional Head (DH) for H & CD		
DIRECT EMPLOYMENT: NOT REQUIRED		GRADE RANGE: P2 - P4
DATE WRITTEN:	DATE REVISED:	DATE REVISED:

Purpose: The candidate will report to the Division Head (DH), Heating and Current Drive. Candidate will also work with the division head to support in the field of technology of power supplies for Heating and Current Drive systems with interlocks and safety devices. He / she would also help DH in other technological interfaces within the heating systems. He / she will also liaison between various DAs involved in the procurement activities of H & CD systems.

Major Duties/Responsibilities:

- The candidate will work in the area of Heating and Current Drive. Will be responsible for the activities leading to procurement of power supplies of the H&CD systems: NB systems and ICH, ECH and LH.
- Support DH in the technology of power supplies for Heating and Current Drive systems with interlocks and safety devices.
- Support DH in other technological interfaces within the heating systems.
- The successful candidate will also provide support in the licensing activities for safety design and assessment of the safety related function.
- He/she will work in close contact with the domestic agencies responsible for the procurement packages of H & CD systems and other Senior Technical Officers of the heating and current drive systems and the other ITER groups/divisions..

Qualifications Required:

- Candidate should be well-experienced, qualified engineer with high voltage engineering background and have experience in design, construction and operation of RHVPower Supplies for NB or RF systems.
- Candidate must have knowledge of the ITER H&CD systems and their technical requirements.
- Candidates must be fluent in English (speaking and writing).
- It would be preferable if he/she has experience in the construction and operation of heating systems integrated with tokamak facilities.
- Experience in the field of high power systems is required; direct work experience of high voltage systems and components will be beneficial.

Work Direction and Interfaces:

Reports to the DH of H & CD.

Authority/Approval Levels:

Has authority and approval levels defined by the DH for his scope of work.

Measures of Effectiveness:

- Successfully develops the design of H & CD systems.
- Successfully prepares the relevant procurement packages.
- Successfully manages the procurement of the H & CD Systems.
- Successfully develops cost effective installation and testing plans.
- Successfully maintains effective communications with all parties delivering subsystems for the H & CD systems.
- Successfully supports the H & CD need of the project.