

TITLE: Physicist/Engineer ICH CODAC&IT, H&CD and Diagnostics / Heating and Current Drive		CHD 015
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 . The H&CD systems of ITER are designed to deliver 20 MW of power in the Ion Cyclotron Frequency. Candidate will work in the Heating and Current Drive division and will be responsible for the R&D activities of ICH antennae and transmission lines, design, and procurement of other ICH system packages.

Major Duties/Responsibilities:

- Candidate will be responsible for the R&D activities of ICH antennae and transmission lines, design, and procurement of other ICH system packages.
- 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 ICH & CD systems and other STOs of the heating and current drive systems and other ITER groups/divisions.

Qualifications Required:

- Candidate should be qualified Physicist / Engineer and well-experienced in the design, construction and operation of ICH additional heating systems, extensive experience with design, fabrication, matching, and operation of multi-megawatt ICRF antennae for fusion applications, knowledge of the ITER ICH&CD system and its technical requirements.
- Candidates must be fluent in English (speaking and writing), he/she must have sufficient experience either in the project itself or be a specialist in the technical field of the job described.
- Proficient with Microwave 3-D electromagnetic code to model complex RF networks using coupled transmission lines.

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.