

TITLE: Engineer/Physicist :NB System CODAC&IT, H&CD and Diagnostics / Heating and Current Drive		CHD 013
REPORTS TO LINE MANAGER: Division Head, 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 candidate will work in the field of Neutral beam (NB) heating and Diagnostics and be responsible for the activities leading to the procurement of the NB heating and current drive injectors and diagnostic NB injector, including all interfaces with auxiliary systems such as tritium plant, cryogenic and vacuum systems.

Major Duties/Responsibilities:

- He/She will work in the Heating and Current Drive. and will be responsible of the activities leading to the procurement of the NB heating and current drive injectors and diagnostic NB injector, including all interfaces with auxiliary systems such as tritium plant, cryogenic and vacuum systems.
- He/she 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 NB systems and other STO of the heating and current drive systems and the other ITER groups/divisions in charge of the tritium, cryoplant, vacuum and building layout.

Qualifications Required:

- Candidate should be well-experienced, qualified engineer / physicist having an experience of at least 10 years on similar system.
- Candidates must be fluent in English (speaking and writing) and he/she must have experience either in fusion engineering project or be specialist in the technical field of the job described.
- Experience in the design, construction and operation of NB systems or components and knowledge of the ITER NB system and its technical requirements will be added advantage. It would be preferable if he/she has experience in the construction and operation of the NB system integrated with tokamak facilities.

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.