



EDMS NO.
1768015

REV.
1.0

VALIDITY
VALID

REFERENCE : NOT REQUIRED

HL-LHC Resources request

Date: 2017-02-03

Project/Activity: WP17

Title Position/Task: Electrical engineer for design of HL-LHC power distribution

Description Project:

In the context of the HL-LHC project, the candidate will support the project manager in designing the low and high voltage distribution networks in LHC1 and LHC5.

Task:

In the context of the design of the power distribution network for the HL-LHC project you are expected to participate actively to:

- Identify needs and requirements from the users;
- Prepare feasibility studies for the electrical infrastructure;
- Participate in integration studies (definition of the layout, including 3d integration);
- Support the project manager in preparing technical documents, planning and cost analysis;
- Participate in site surveys;
- Prepare bills of material for electrical-related equipment;
- Develop functional specifications;
- Verify calculations notes for cables, equipment, earthing, lighting, etc.);
- Verify rack design and drawings;
- Prepare the requests for interfacing with the SCADA system;
- Prepare safety documents.

Profile: Electrical Engineer with knowledge of LV and HV distribution systems

Experience:

Principles of design of HV and LV distribution system

Specific details: Candidates will be expected to possess a good working knowledge of English or French

Requester: EN-EL

Starting date: Summer 2017