

Maintenance and Repair Electrician
at Extreme Light Infrastructure – Nuclear Physics (ELI-NP) Research Facility

Job Description and Candidate's Profile

Scope of Work

The ELI-NP electricians will provide technical support for the equipment both in the implementation and the operational phase of ELI-NP.

Main responsibilities:

- gaining the necessary knowledge and enough experience to monitor the operation of installations and equipment;
- providing technical support for the scientific and engineering activities;
- providing assistance and technical support during the operational phase to maintain the best performances of the ELI-NP systems.

Main tasks:

General:

- getting permanently informed and learning the parameters and the technical norms in order to carry out the maintenance and repair works, the types and the functional parameters of the electrical tools and installations, the types of works, the raw materials and the basic materials used;
- constantly monitoring the quality parameters required in the specific work procedures or engineering instructions;
- communicating information on tasks, possibilities and different events by written or oral reports;
- carrying out work under safety conditions, in accordance with the institute's policy the labor safety legislation and norms specific to the workplace.

Specific:

➤ regarding control, diagnosis of electrical installations:

- correctly selecting and using the devices for measuring current, voltage and electrical resistance;
- correctly interpreting circuit diagrams, symbols and basic electrical laws;
- determining parallel and series circuits;
- switching off the electrical equipment according to the technical norms on labor safety and fire protection and extinguishment;
- performing visual, auditory checks on electrical installations or by means of measuring devices, by proper procedures, in order to comply with the norms on fire protection and extinguishment.
- identifying faulty equipment and components, in order to remedy them;
- choosing the tools, materials and measurement devices according to the work diagram;

➤ regarding the maintenance of electrical installations:

- performing periodic inspections and technical inspections on electrical installations;
- lubricating, greasing electrical installations;
- identifying and checking the quality of materials and cleaning the accessible parts of the electrical installation;
- establishing the need for repairs, depending on the technical condition of the electrical installation

➤ regarding the use of the toolkit:

- choosing tools/devices in accordance with the provisions of the technological documentation and the tasks to fulfil;
- identifying and marking for sending to repairs the tools which are faulty or unsafety for use;
- performing the current maintenance in order to keep devices and apparatus under proper operating conditions, in accordance with the procedures or regulations in force;

- storing and safekeeping the toolkit according to the recommendations specific to the workplace.

Competencies and experience:

- Secondary education and electrician qualification course, authorized by ANRE degree III B;
- Fluency in Romanian and English;
- Proven teamwork experience and efficient communication and collaboration skills.

Conditions of employment:

- Full-time position based in Bucharest–Magurele, Romania, for a period of 2 years, extendable (including for indefinite period);
- Motivating salary depending on qualifications and experience.

Applications:

- Applications must be accompanied by the documents requested in the Rules of Selection for this position.
- Applications shall be sent to the Human Resources Department at human.resources@eli-np.ro.