

Annotation

The aim of the thesis is the design of the step-down substation «Talgar» with a voltage of 110/35/10 kV. The design process includes the selection of the electrical circuit diagram of the substation on the high, middle and low side, the calculation of the power consumption, as well as the selection of electrical equipment and its layout.

During the implementation of the substation design algorithm, certain technical solutions, fragments and objects were made. Therefore, in the course of the thesis, the most reliable and least economically expensive version of the PS project was considered.