

Annotation

In this graduation project we consider the modernization of the steam turbine PT-12-35/10 Baikonur CHP. The main purpose of this diploma project is to solve problems with the shortage of electricity.

During this work, a full thermal calculation, calculation of the turbine plant and boiler room.

In the section safety of life and activity the analysis of working conditions was considered and the calculation of the Venturi scrubber apparatus was made.

In the economic part, financial costs, calculations and an effective development plan were considered. As a result, the station fully provides urban and regional residents with electricity and heat.