

### Annotation

In this diploma project, the modernization of boilers BKZ-160-100 and increase steam capacity up to 190 t/h, the installation of a peak hot water boiler and the replacement of the turbine unit №1 type PR-25-90/10/3 to a more modern turbine unit type PR-25/30-90/10/3M Ural turbine plant in order to improve electrical and thermal power and improve efficiency.

In section safety of life and activity the zone of sanitary protection is calculated and in economic part the calculation of economic efficiency of investments in this work is made.