

## Summary

The draft document presented in this document provides an energy-saving technical solution for the conversion of the heating system at Ekibastuz GRES-2. It is recommended to install a turbine with back pressure P-4-13 / 4 instead of the installed ROU-13/3 to generate additional power for the station's own needs. The calculation of the thermal scheme of the power plant for the input device is given, the description of the main and auxiliary equipment is given.

In the section on life safety, the work of the personnel was analyzed, and the calculation of the necessary electrical safety measures was given.

The economic component of the project involves the calculations of the main technical and economic indicators of the station, subject to the implementation of the proposed measures.

A special part of the project is devoted to the problem of using the turbine upstream to drive the feed pump.