

**Annotation**  
**Course work**  
**on discipline "Heat engineering of casting production"**  
**Student of group ФЛ- 32**  
**Koniev Yehor**

**On a theme: " Electric furnace of Resistance is Vestibule with Sliding under"**

Electric furnace of resistance was expected in a term paper. Term paper expounded on 30 pages of the printed text and one draft of format of A1.

An explanation message consists of introduction, eight heads, list of references and contains two picture. Essence of work of crucible induction melting furnace is exposed in introduction.

In the first division of explanation message determined времени heating of metal.

To the second division the calculation of sizes of working space of stove is driven.

To the third division the choice of refractories is driven for the lining-up of stove.

To the fourth division the calculation of sizes of stove is driven.

To the fifth division the calculation of framework of stove is driven

In a sixth division thermal balance was expected and the articles of expense of heat are certain.

The calculation of heater device was conducted in a seventh division

In the eighth section provides a mechanism for calculation of lifting doors

**Keywords:** ELECTRIC RESISTANCE FURNACE, CALCULATION,  
COURSE WORK