

Annotation

The diploma project includes an automated electric drive of a concrete plant. The main department provides the selection and calculation of electrical installations of the concrete plant drive, calculates static and dynamic characteristics. As the main element of the concrete plant, an automated conveyor belt drive is considered, which carries the components necessary for the production of concrete.. Calculations of the drive elements are performed.

In the department of life safety, precautions are provided for the operation of the electric drive in the factory area and on the conveyor belt, labor protection conditions are provided before starting work, the calculation of the lighting system in the working room, the automatic fire extinguishing system.

The economic part provides for the planned cost-effective operation of the concrete plant and the costs of design repair work of the plant. The expenses for employees' salaries and electricity consumption are fully provided for.