the estimate of industrial electricity consumption (case study: Rasht industrial township)

Elham Shahsavari*,

The electricity industry is one of the basic and most important elements in society's economic development and the consumption amount in production fields, especially in country's economic growth indicator. In order to economic growth and increasing demands of utilizing electricity and regarding the fact that production and distribution of electricity depends on the amount of demands, the electricity industry is currently trying to pursue and apply some structural amendments and adjustment and analyzing politics. One of the main needs to reach this aim is estimation of electricity consumption demands function. The relationships between machinery investment, increased value growth rate, the number of industries more than 50 employees and the amount of consumed electricity, are important subjects in economical literature. The aim of this research is the study of the effects if the three variables: machinery investment, increased value growth rate, the number of industries with more than 50employees with the amount of consumed electricity in Rasht industrial township. This research is explanatory in which we want to explain the relationship between variables (dependent and independent) utilizing statistical tests. aim's aspect, it is an operational studying this research, noticing the nature of data, time series style is used by eviews software. After studying classical theories, the related model is estimated, and according to that, there is a meaningful relationship between machinery investment and the number of industries with more than 50 employees and the amount of consumed electricity. About increased value growth rate and the amount of consumed electricity, no meaningful relationship can be seen.

Keywords : machinery investment. increased value growth rate, the number of industries with more than 50 employees. the amount of consumed electricity.