

Thesis Title	Analysis of Factors which Impact on the Establishment of Factories Both Inside and Outside of the Industrial Estates in Phra Nakhon Si Ayutthaya Province
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ABSTRACT

The main purpose of this research were to compare and analyze the factors which impact on the establishment of factories both inside and outside of the industrial estates. This research used primary data from questionnaire and interview to dealers and secondary data from government sources between in 1995 to 1997 . The location of spatial framework is Phra Nakhon Si Ayutthaya province. The analysis of variance method (ANOVA) was applied to compare eight factors which were land costs , infrastructure , sources of labor , transportation , sources of raw material , the proximity to Bangkok , the proximity to factories and privileges from government. These factors which impact on the establishment of factories both inside and outside of the industrial estates were analyzed by conducting of factor analysis method.

The results of this research study shown the follows :

1. The land costs , sources of raw material and sources of labor are statistically distinct signification at 0.05 level.
2. The major significant factors which related to inside of the industrial estates are the privileges from government , land costs and labor skills. The less important

factors are infrastructure services such as water supply , electric supply and roads in the industrial estates , the proximity to Bangkok and the sources of labor.

3. The major significant factors which related to outside of the industrial estates are infrastructure services and the proximity to Bangkok . The less important factors are privileges from government and the proximity to factories.

In addition , it was found that 47 percent of entrepreneurs which are outside of the industrial estates are interested in investment inside of the industrial estates due to better infrastructure , better transportation systems , better central control systems of polluted water and more privileges from government . It was also found that 43 percent of entrepreneurs which are outside of the industrial estates are not interested in investment inside of the industrial estates. The reasons are expensive land costs , high cost of polluted water control systems , high cost of infrastructure maintenance , high cost of water supply and already owning land.

The results of this research shown that Phra Nakhon Si Ayutthaya province has sufficient factors to support the establishment of factories both inside and outside of the industrial estates. If the government plans to promote land use for the industry in Phra Nakhon Si Ayutthaya province , the government should consider the effects on farmland , the sources of water and important historic sites. Therefore , both the government and private sectors have to set up collaborative plans not only for industrial and agricultural development but also for environment and historic sites conservation.