EVALUATION OF THE ESTABLISHMENT OF ECONOMIC FOREST PLANTATIONS OF FOREST INDUSTRY ORGANIZATION

By

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A Dissertation Submitted in Partial Fulfillment of The Requirements for The Degree of Doctor of Philosophy (Development Administration)

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ABSTRACT

Title of Dissertation : Evaluation of the Establishment of Economic Forest Plantations of Forest Industry Organization

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This research had the objectives to study the relationships between inputs, process, outputs and outcomes of the establishment of economic forest plantations and their overall achievement. The study used data from both secondary and primary sources. The secondary data was that collected by FIO from 1968 to 2000. The primary data from sample surveys were collected from 86 executives, 88 operating personnel, 705 households of forest villages and 448 households of non-forest villages outside forest plantations.

The results of the study found that the trends of the number of forest plantations increased from the beginning and stabilized recently. The land of forest plantations had all been planted with forests. The forest plantation expenditure increased from the beginning and then fluctuated. The total personnel annually decreased. The equipment and tools seemed to be inadequate and obsolete, and there was no financial support from the government. FIO used 3 establishment projects at forest plantations in 3 different forest industry divisions. Different projects had different amounts of expenditure for the establishment. There were four levels of management for the establishment of economic forest plantations; central management, forest industry divisions, regional forest industry sections, and local forest plantations. The employment was for the members of forest villages and non-forest villages. The trend of planted forest area increased from the beginning and then decreased later and there was no recent planting of new forests. The trend of
cumulative planted forest area rapidly increased from the beginning and slowly increased later and then stabilized recently. The timber products and forest plantation revenue annually increased in a linear trend. The trend of the number of households and members of forest villages rapidly increased from the beginning and slowly increased later and then stabilized recently.

The land of forest plantations did not have a relationship with the planted forest area as with the forest plantation expenditure. But the forest plantation expenditure had a relationship with the cumulative planted forest area. The Establishment Project 1 and the Northern (and Central) Division produced the largest amount of planted forest area and cumulative planted forest area. The planted forest areas did not have a relationship but the cumulative planted forest area had a relationship with timber products, forest plantation revenue, and the forest villages. The achievement of the establishment of the outputs and the outcomes were at the moderate level.
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