

**1. Project Name**

3.2.5 Survey for Possibilities of Small Water Projects in Southeast Asia, 2006

**2. Contents**

Within the South-east Asian countries with high increasing industrialization, the ensuring of safe drinking water has become an issue of urgent need due to the population concentration to large city areas. The ensuring of safe drinking water is especially requested in places such as small and medium-sized municipalities, medical facilities, elementary and middle school educational facilities.

On the other hand, in recent years, the Japanese technology of membrane treatment as water related technology has been advancing at a great speed, and the membrane treatment method has been replacing the conventional flocculation method, mainly within small purification plants. Also, within that type of flow, as a precaution against high water rates by local governmental organizations, there are movements by citizens within the country in which they privately install a membrane treatment device in order to use groundwater as a water resource for the obtainment of drinking water within medical facilities.

This investigation aims to research the possibilities of promoting the water facilities using the membrane treatment devices developed within Japan to small to medium size cities, tourist areas, hospitals, and schools within South-east Asian countries, from the technological and social perspectives.

This investigation conducted two visits, in addition to literature research targeting Vietnam with a large number of Japanese companies residing, and a high economic improvement rate in the recent years within South-east Asia.

As a result, it was made apparent that requests such as supply of good quality tap water, as well as the installation of private water facilities in Japanese corporations in order to obtain drinking water for the thousands of employees, were made.

From the above points, the importance of experimentation of this technology by a model plant was made clear due to the possibility of a branching water project, aiming to supply membrane treated groundwater as tap water.

**3. Reference**

Commission : Japan Society for the Promotion of Machine Industry (Foundation)