

## **1. Project Name**

3.2.7 Investigation to Support Domestic Machinery Industry to Advance into Public Projects in China and Southeast Asia 2003

## **2. Contents**

Within China and Southeast Asian countries, infrastructural equipment is currently an issue in the field of sewage and groundwater with the rising awareness in hygiene and advancement in industrialization. Also, due to financial funds for infrastructural equipment being limited at the governmental level, facility construction using PFI methods utilizing private funds from overseas has been popular.

This investigation has the objective of promoting international advancement in business to the Japanese machine industries by advising the industry using information gathered through investigations of possible issues when Japanese water related firms advance into the Chinese and other Southeastern countries.

This investigation was done in Pakistan, China, Malaysia and Thailand, as this project is conducted mainly through site visits. As a result, we have reached the following conclusions.

### **(1) China**

- ① Water use rationalization and new water sources are of urgent need due to pondage water decreasing every year at the Miyun Dam in Beijing City.
- ② The “South area water transfer to north area” Plan has been progressing towards the Beijing Olympics in 2008.
- ③ Due to the lack of funds, private water has been progressing into the center of the city by the BOT method.

### **(2) Pakistan**

- ① There are many problems with the water supply due to the aged water pipes and the low quality operational management of the water purification plant.
- ② The two possible methods are to supply safe drinking water by installing membrane treatment devices within water usage areas or to renew the water pipes and/or operational management of the water facilities.
- ③ The method of installing membrane treatment devices to supply safe drinking water is required in places with urgent need, such as hospitals and schools.

### **(3) Malaysia**

- ① Although there are many plans for the renewal and reform of water supplies and sewages, many are not able to progress due to the lack of funds.
- ② There is a need to build close relations with Malaysian companies in the case of progressing a project as a PFI due to the policy not allowing companies other than domestic firms conduct public projects.

### **(4) Thailand**

- ① Although the use of groundwater is being prohibited as a precaution to ground subsidence, there are still unsure aspects in regards to safety in water quality and amount.
- ② Under the jurisdiction of PWA(local water company), 9 out of 227 of the water facilities are being managed by private water supplies.
- ③ Currently the PWA is advancing towards becoming a public corporation. There are no other new private water supply plans as of now, within the management of PWA.

## **3. Reference**

Aided by : Association for the Promotion of Machine Industry