

## **EBARA HATAKEYAMA MEMORIAL FUND**

The EBARA Hatakeyama Memorial Fund was founded in 1989 in commemoration of the late president by EBARA Corporation, a representative engineering firm and manufacturer in Japan specializing in fluid machinery, water and solid waste treatment and environmental protection systems. Its aim is to promote voluntary activities for international cooperation in Southeast Asian countries on non-commercial basis. The activities are formulated to meet with particular regional needs in ways that enhance capability of human resources through technology transfer and to assist development of appropriate technologies.

## **EBARA CORPORATION**

EBARA Corporation has long been known as a world leader in engineering and manufacture of fluid machinery and related systems incorporating these products. It is also at the forefront in the fields of environmental protection and resources recycling engineering as well as renewable energy applications, thereby its advanced technologies in water and air pollution prevention, wastewater treatment, solid waste management and new energy systems continue to find customers in need worldwide.

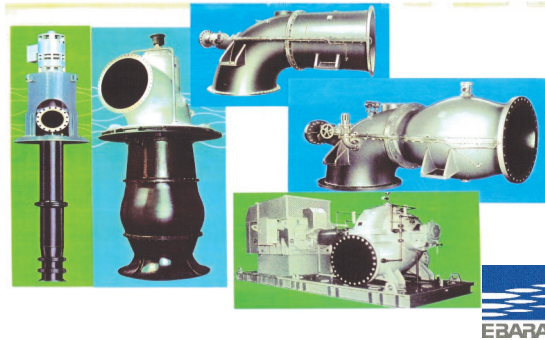
# **INTERNATIONAL TRAINING COURSE ON “PUMP TECHNOLOGY FOR FLOOD CONTROL”**

Organized by

**Asian Institute of Technology(AIT)**

Implemented by

**EBARA Hatakeyama Memorial Fund(EHMF)**



## **RATIONALE**

It is fresh in our memory that the great flood in Bangkok last year damaged to the life of the people and the economic activity.

And in Japan several number of typhoon strikes every year and some people lose their live and many houses are flooded.

Furthermore, localized heavy rain caused by unusual weather is observed in recent years.

Pumping stations play indispensable roles in the field of flood control such as low level inland water draining, farm land flooding water draining and urban storm-water draining.

## **OBJECTIVES**

The International Training Course is intended to enrich capability and skills of participants in practical engineering fields through making review on pump technology for flood control, studying essentials and applications of turbo type pumps including operation, control method and maintenance. Field trip to the draining pump station is planning during the training course. Also case study will be instructed.

## **TOPICS COVERED**

1. Total Flood Control Planning
2. Essential of Pump Technology
3. Applications in Drainage Pumping Station
4. Operating and Control method
5. Maintenance
6. Case study

## DATES AND VENUE

29 Nov - 4 Dec 2012  
at Ambassador Hotel  
Bangkok

## COURSE METHODOLOGY

The training course  
comprises of lectures on  
English

## RESOURCE PERSON

The lecturers are drawn  
from expert resources of  
EBARA Corporation, Japan,  
specializing in engineering  
and manufacture of fluid  
machinery and Faculty of the  
Asian Institute of  
Technology.

## CONTACT

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## PARTICIPANTS

A total number of 30 will be invited from government agencies and public sectors, consulting firms and institutions related to pump engineering.

To participate in this course, the applicant should take into account his/her academic qualifications, professional experience and likely benefit of the course to the applicant and affiliated organization. Proficiency in English language is essential.

Limited numbers of scholarships from the EBARA Hatakeyama Memorial Fund which covers tuition fee and accommodation for foreigners will be offered to qualified applicants from **Bangladesh, Cambodia, India, LaoPDR, Myanmar, Philippines, Sri Lanka, Nepali, Thailand and Vietnam.**

**The International / Domestic travel to and from Bangkok and per diem shall be born by each applicant.**

The scholarships will be awarded to nominated trainees selected by the Steering Committee consisting of implementing bodies. In the event that a nominee is accepted for the scholarship, he/she will be notified accordingly.

## PRELIMINARY PROGRAM

### DAY 1: 29 Nov 2012 (08:30 - 17:00)

- Registration
- Opening / Orientation *AIT & Ehmf*
- Presentation by Resident Experts *AIT*
- Total Flood Control Planning *Ehmf*
- Application in Drainage Pumping Station *Ehmf*

### DAY 2: 30 Nov 2012 (08:30 - 17:00)

- Study Visit *AIT & Ehmf*

### DAY 3: 01 December 2012 (08:30 - 17:00)

- Essentials of Pump Technology *Ehmf*
- Determination of Pump Requirement *Ehmf*
- Site Selection and Pump House Design *Ehmf*
- Introduction of Truck Pump *AIT & Ehmf*

### DAY 4: 02 Dec 2012 (08:30 - 17:00)

Holiday

### DAY 5: 03 Dec 2012 (08:30 - 17:00)

- Operation and Control Method *Ehmf*
- Maintenance Management and Sound Evaluation of drainage Pumping Station *Ehmf*
- Periodical Inspection of Drainage Pumping Station and Diagnostic *Ehmf*
- Up-to-date Pump Technology *Ehmf*

### DAY 6: 04 December 2012 (08:30 - 17:00)

- Case Study *Ehmf*
- General Discussion and Summing Up *AIT&Ehmf*
- Closing Ceremony & Awarding Certificate *AIT & Ehmf*