



International Training Program on

Pump Technology for Water Supply



15 - 22 November 2023



**Ambassador Hotel
Bangkok, Thailand**

RATIONALE:

Along with regional development related to water resources, pumping works often play indispensable roles in various infrastructures ranging from farmland irrigation, municipal water supply, urban drainage to sewage disposal, etc.

For successful implementation of such pumping projects, it is indispensable to apply modern turbo pump technologies and to provide appropriate planning and design based on accurate engineering practices for optimum utilization of resources.

In the field of waterworks, various kinds of pump are utilized for pump facility, such as intake, transfer, and distribution pump station. It is beneficial to acquire the fundamental technology and applications of pump.



OBJECTIVES:

The seminar is intended to introduce fundamental approach to planning and design of pumping facilities.

In view of more useful knowledge in practical works, the applications of pumping equipment for intake and transfer pump station including operation methods and water hammer phenomena are lectured.

Site visit to water treatment station and pump facility is planned during the seminar.

TOPICS COVERED:

- ✓ Fundamental of Pumps
- ✓ Pump Characteristics & Typical Pump Type
- ✓ Pump requirement & Pump performance Curve
- ✓ Determination of Pump Operation Range
- ✓ Suction Sump and Discharge Tank
- ✓ Water Hammer
- ✓ Typical pump layout with valve and pipe
- ✓ Typical structure of various pump
- ✓ Motor
- ✓ Case study
- ✓ Site visit



Looking ahead,
going beyond expectations
Ahead > Beyond

TARGET PARTICIPANTS:

A total number of approximately 40 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, Indonesia, Lao PDR, Myanmar, Nepal, Philippines, Sri Lanka, Thailand, and Vietnam**. The International/Domestic travel to and from Bangkok and per diem shall be borne by each applicant.

Applicants who participate for the first time will take precedence if applicant exceeds capacity.

RESOURCE PERSONS:

Resource persons lecturers will be drawn from expert resources of EBARA Corporation, a representative engineering firm and manufacturer in Japan specializing in fluid machinery and environmental protection systems.

EBARA HATAKEYAMA MEMORIAL FUND (EHMF):

The EBARA Hatakeyama Memorial Fund was founded in 1989 by EBARA Corporation, Japan, in commemoration of the late president.

EBARA Corporation is a representative engineering firm and manufacturer in Japan specializing in fluid machinery. Its aim is to promote voluntary activities for international cooperation in Southeast Asian countries and other 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 assist development of appropriate technologies.

COURSE METHODOLOGY:

A series of presentations will be given in English. A set of text materials in English is available for each participant.

CONTACT US:

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LAST APPLICATION BY
8 October 2023

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