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 planed 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

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.
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,
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.

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LAST APPLICATION BY
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