### Objective/Outcome

#### Program Objective

This program aims at Human resource development for "Water Distribution and Service", and applicable knowledge and techniques of this filed are shared among engineers.

#### Expected Outputs

1. Participants will be able to understand General Theory of Water Supply Utilities of Japan and explain to the others.
2. Participants will be able to acquire the knowledge and skills of development of distribution network and maintenance and explain to the others.
3. Participants will be able to acquire the knowledge and skills of maintenance and water quality management of Water Purification Plant and explain to the others.
4. Participants will be able to draw up an Action Plan aimed at tackle issues of the knowledge and technique by utilizing the outcomes acquired through the Core Phase Program in Japan.

### Target Organization / Group

#### Target Organization

Organization in charge of operation and maintenance in urban water supply system

#### Target Group

1. Engineers working in organizations in charge of "Water Distribution and Service" of urban water supply system, and responsible for the training of other engineers.
2. More than 5 years of experience in the above-mentioned field.

### Contents

#### Preliminary Phase

1. Participants will be able to summarize the present status, issues and problems concerning their respective countries in Country Reports.

#### Core Phase in Japan

1. Lecture and Issue Analysis Workshop: Disaster Management, Maintenance of pipelines and water supply, Management of intake and distribution facilities
2. Observation: Factory of water supply equipment, Water origin, Facilities of water intake, drainage, purification
3. Practical of training: Leakage Detection, Management of pipelines and water supply, technical trainers' training "Management of intake and distribution", trainers' training "Draft and present technical instruction plan".

#### Finalization Phase

1. Sharing and implementing of the Action Plan in the participant’s organization, Submission of the Progress Report during the Core Phase in Japan.

#### Remarks

- (A) 2016/07/06-2016/08/11 (English: Kansai)
- (B) 2016/06/27-2016/08/12 (English: Chugoku)
- (A) course is characterized by both theoretical lectures and practical training for contributing the development of mid-level technical personnel comprehensively.

### Implementing Partner

- (A) Waterworks Bureau, City of Osaka
- (B) Waterworks Bureau, City of Hiroshima

### Cooperation Period

2015～2017

*(B) course (JICA Chugoku) is characterized by both theoretical lectures and practical training for contributing the development of mid-level technical personnel comprehensively.