

No.12040/18/2013-FTC (Trg.)
Government of India
Ministry of Personnel, Public Grievances & Pensions
Department of Personnel and Training
(Training Division)

Block-4, Old JNU Campus
New Mehrauli Road, New Delhi-67
Dated 22nd March, 2013

TRAINING CIRCULAR

Subject: **A Group Training Course on 'Comprehensive Engineering on Water Supply Systems' to be held from April to November, 2013 (Core Phase to be held in Japan from 2nd June to 3rd August, 2013).**

The undersigned is directed to state that the Japan International Cooperation Agency (JICA) under the Technical Cooperation of the Government of Japan has invited applications for the above programme to be held from April to November 2013, out of which Core Phase will be held in Japan from 2nd June to 3rd August, 2013.

2 The programme aims to draw basic plan drawings for a purification facility and pipeline network, and to formulate an action plan to solve problems that respective organizations have encountered.

3 The candidate should be presently an engineer who is currently or expected to be engaged in the formulation of waterworks plan; be a engineer with more than 3 years of experience in water supply system (experiences in the Electrical and Mechanical fields are not considered as experience); be university graduates from the faculty of engineering such as civil, sanitary, environmental, or have equivalent academic background; not be serving in the military; be between twenty five (25) and forty five (45) years of age (in principle); be proficient in written and spoken English; be in good health, both physically and mentally, to participate in the program in Japan.

4. In addition to the above, the following information in respect of the nominated officers may please be furnished while forwarding the nomination:

- a) Whether attended any foreign training programme in the past? If so, the duration/detail thereof;
- b) Whether clear from vigilance angle?
- c) Age;
- d) Whether working in North East State/J&K;
- e) A brief in 50-100 words justifying the nomination.

5. The course covers the cost of a round- trip air ticket between an international airport designated by JICA; travel insurance from the time of arrival in Japan to departure from Japan; allowances for (accommodation, living expenses, outfit and shipping); expenses for JICA study tours and free medical care for participants who may fall ill after reaching Japan (costs relating to pre-existing illness, pregnancy, or dental treatment are not included). The participants are not allowed to take any family member during the training course.

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6. It is requested that the nomination of the suitable candidates may please be forwarded to this Department in accordance with the eligibility criteria.

7. The nomination details should be submitted (**in duplicate**) in the JICA's prescribed proformas duly authenticated by the Department concerned along with the Job Report.

8. The applications should reach this Department through the Administrative Ministry/State Government not later than **10th April, 2013**. Nominations received after the prescribed date will not be considered. The details of the programme and the application form may be drawn from Ministry of Personnel, Public Grievances and Pensions website (**persmin.nic.in**), which is available in "What is New" under the Department of Personnel and Training.


(N.K. Wadhwa)

Under Secretary to the Government of India
Tele.No.011-26165682
E-mail-ID naresh.wadhwa@nic.in

Copy to:

1. The Secretary, Ministry of Urban Development, Nirman Bhavan, C - Wing, Dr. Maulana Azad Road, New Delhi,110011
2. The Secretary, Ministry of Water Resources, Shram Shakti Bhawan, Rafi Marg, New Delhi,110001
3. All State Governments/Union Territories.
(with the request to circulate it amongst the related organizations)
4. NIC with the request to post the circular along with the JICA's circular and the enclosed application Proforma on the Department's website.

500-1(R)

No.17/GT-CP/2013

February 25, 2013

Mr. N.K. Wadhwa
Under Secretary (Training)
Department of Personnel and Training
Training Division
Block No. 4
Old JNU Campus
New Mehrauli Road
New Delhi



Subject: Group Training Course on Comprehensive Engineering on Water Supply Systems

Dear Mr. N. K. Wadhwa,

We would like to inform you that the captioned Group Training Course will be held in Japan from June 02, 2013 to August 03, 2013 under the Technical Cooperation Programme of the Government of Japan.

We are forwarding herewith two copies of the General Information Booklet on the above offer. It is requested that the following documents of the selected candidate may please be submitted to this office by **April 17, 2013**:-

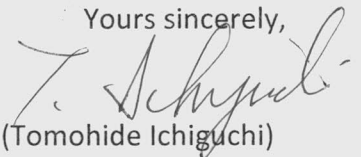
- (1) The Application Form together with the medical history questionnaire
- (2) The desired Country Report.

Further details are available in the General Information Booklet. It may be noted that completed Country Report is essential for screening of applications.

It is further informed that 12 slots are available globally for the above course and it would be much appreciated if you could take further necessary action and submit the nomination(s) of suitable candidate(s) to this office by the designated date.

With regards,

Yours sincerely,


(Tomohide Ichiguchi)
Senior Representative

Encl: As stated above.

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Sd/-
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TRAINING AND DIALOGUE PROGRAMS

GENERAL INFORMATION ON

COMPREHENSIVE ENGINEERING
ON WATER SUPPLY SYSTEMS

集團研修「上水道施設技術総合」

JFY 2013

<Type: Leaders Training / 中核人材育成型>

NO. J13-00798 / Project ID: 1380944

Phase in Japan : From June 2, 2013 to August 3, 2013

This information pertains to one of the Training and Dialogue Programs of the Japan International Cooperation Agency (JICA), which shall be implemented as part of the Official Development Assistance of the Government of Japan based on bilateral agreement between both Governments.

I. Concept

Background

The water supply is one of the most important basic human needs. However the needs are not satisfied in the most part of developing countries due to lack of water supply facilities and systems, which need to be improved in accordance with the natural and social environment in each country. Many developing countries have faced the challenge with lack of the human resources for management, operation and designing the water supply systems. In this context, this training program is designed to foster the practical engineers in water supply, mainly on designing.

For what?

To draw basic plan drawings for a purification facility and pipeline network, and to formulate an action plan to solve problems that respective organizations have encountered

For whom?

Departments responsible for water supply planning or designing in a water supply utility, national or local government

II. Description

1. Title (J13-00798): Comprehensive Engineering on Water Supply Systems

2. Period of program

Duration of whole program:	April 2013 to November 2013
Preliminary Phase in each country	April 2013 to June 2013
Core Phase in Japan:	June 2 nd 2013 to August 3 rd 2013
Finalization Phase in each country	August 2013 to November 2013

3. Target Regions or Countries:

Afghanistan, Bhutan, Cambodia, Democratic Republic of the Congo, Ethiopia, India, Indonesia, Malawi, Myanmar, Nepal, Nigeria, Rwanda, Timor-Leste

4. Eligible / Target Organization :

Departments responsible for water supply planning or designing in a water supply utility, national or local government

5. Total Number of Participants : 12

6. Language to be used in this program: English

7. Program Objective:

To draw basic plan drawings for a purification facility and pipeline network, and to formulate an action plan to solve problems that respective organizations have encountered

8. Expected Module Output and Contents:

This program consists of the following components.

(1) Preliminary Phase in a participant's home country (April 2013 to June 2013) <i>Participating organizations make required preparation for the Program in the respective countries.</i>	
Module	Activity
For All applicants	
Country Report	Formulation and submission of the Country Report with Application Form by April 17th, 2013 (See ANNEX I)
Only for accepted participants	
Country Report Presentation Action Plan (1 st draft)	Formulation and submission of the electric file (Power Point) by May 28th, 2013 (See ANNEX II) to tictree@jica.go.jp

(2) Core Phase in Japan(2nd June 2013 to 3rd August 2013)*Participants dispatched by the organizations attend the Program in Japan.*

Expected Module Outputs	Activity	Method
1. To sort out the necessary technology for improvement of their water supply systems.	<ul style="list-style-type: none">➤ Conservation of Water Quality of Water Resources and Monitoring of Water Quality➤ Water Pollution in Water Resources➤ Water Quality Control in Japan➤ Automatic Water Quality Monitoring System➤ Water Safety Plan➤ Observation of Dam site➤ Requirements for Water Intake Facilities of Surface Water➤ Planning and Design of Water Intake Facilities➤ Groundwater Technology➤ Iron and Manganese Removal of Groundwater by Biological Filtration Method➤ Intake technology of underground water · river-bed➤ Utilization Measures of Rain Water➤ Rainwater Treatment / Reuse Facilities➤ Water Purification Technology and Water Quality Control of Tap Water➤ Water Purification Process➤ Operation and Maintenance of WTP➤ Basic Theory of Pumping Equipment➤ Coagulation and Flocculation process➤ Practice of Jar Test➤ Removal of Pollutants by Chemical Coagulation➤ Advanced Water Purification Technology and Membrane Process Technology➤ Design, Operation and Maintenance of Membrane Filtration Plant➤ Slow sand filtration WTP➤ Operation and Maintenance of Water Construction of Water Supply and Water Distribution Facilities➤ Pipe Laying Method➤ Mapping System and Water Distribution Management➤ Pipeline Mapping System➤ Countermeasures and Practice of Water Leakage Prevention➤ Water Leak Detection and Prevention➤ Water Leak Detection Demonstration / Practice➤ Water Leakage Reduction Countermeasures➤ Observation of Manufacturing Factory (Pump, Valve, Joint, Ductile Cast Iron Pipe)➤ Anti-seismic Method of Water Supply Facilities	Lecture / Exercise / Field visit

<p>2. To sort out the necessary functions and roles of related entities for improvement of their water supply management.</p>	<ul style="list-style-type: none"> ➤ Waterworks Management and Tariff System in Japan ➤ Customer Service ➤ Water Supply in Japan / Water Works Law ➤ Administrative Improvement by Performance Indicators ➤ Sanitation Research Organization 	<p>Lecture / Field Visit</p>
<p>3. To master the skill of basic planning and design for pipeline network and water purification systems.</p>	<ul style="list-style-type: none"> ➤ Pipeline Network Analysis ➤ Water Demand Forecasting ➤ Hydraulics on Pipelines ➤ Basic Planning and Design for Pipeline Network ➤ Basic Planning and Design for Water Supply Systems ➤ Basic Planning and Design for Water Supply Facilities 	<p>Lecture / Field Visit</p>
<p>4. Through information and skill from this training, to formulate an "action plan draft" that solves problems their organizations have encountered, and to share the plan in respective organizations.</p>	<ul style="list-style-type: none"> ➤ Country Report Presentation (See Annex I) ➤ Action Plan Presentation (See Annex II) 	<p>Presenta tion / Discussi on</p>

<p>(3)Finalization Phase in a participant's home country (August 2013 to November 2013) <i>Participating organizations produce final outputs by making use of results brought back by participants. This phase marks the end of the Program.</i></p>		
<p>Expected Module Outputs</p>	<p>Activity</p>	<p>Method</p>
<p>Through information and skill from this training, to formulate an "action plan draft" that solves problems their organizations have encountered, and to share the plan in respective organizations.</p>	<ul style="list-style-type: none"> ➤ Sharing Information in respective organizations and reporting of the result to the JICA Tokyo 3 months after the training 	<p>Presentation / Discussion etc.</p>