

No.

Outline of The Group Training Courses in Japan

平成4年度 集団コース コース概要

1992 Japanese Fiscal (April, 1992 to March, 1993)

**Japan International Cooperation Agency (JICA)
Tokyo, Japan**

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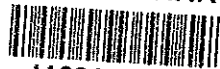
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**Japan International Cooperation Agency (JICA)
Tokyo, Japan**

国際協力事業団

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DEVELOPMENT PLAN

No. 1

DEVELOPMENT ECONOMICS (GENERAL) 開発エコノミスト(一般)

1. PERIOD

September 8, 1992 to March 14, 1993 (6 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent in economics, with an academic background of Economics
- 2) in charge of national development plan
- 3) Under 35 years of age
- 4) Good command of spoken and written English

4. DESCRIPTION OF TRAINING

1) Lectures

- a) Development Economics
 - Introduction to Project Planning
 - Theories and Methods of Project Planning
 - Project Formulation and Identification
 - Project Appraisal and Workshops
- b) Macro Development Planning
 - General Thesis of Development Planning
 - Regional Development Planning
 - National Development Planning
- c) Japanese Economic Development
- d) Statistical Analysis and National Accounts
- e) Seminar and Special Lectures

2) Observation tours

3) Report making

5. FACILITIES AND INSTITUTIONS

The International Development Center of Japan (IDCJ)

6. REMARKS

1. PERIOD
June 8, 1992 to August 23, 1992 (3 months)
2. NUMBER OF PARTICIPANTS TO BE RECEIVED
Ten (10)
3. QUALIFICATIONS
 - (1) a minimum of three years' work experience in the fields covered by the course i.e. industrial development planning and/or industrial project formulation, implementation or evaluation, together with a reasonable length of time in their present position
 - (2) between 30 and 40 years of age with a university degree and academic background in economics
 - (3) good working knowledge of English, desirably qualified for more than 500 points of TOEFL scores or its equivalent
 - (4) in good health, both physically and mentally, to undergo the training. Pregnancy is regarded as a disqualifying condition for the participants in the course
4. DESCRIPTION OF TRAINING
 - 1) Economic Development, Industrialization and Japanese Experiences
 - 2) Financial Analysis
 - 3) Economic Analysis and Social Economic Analysis
 - 4) Field Trip/Study Visit
 - 5) Work Shop, and Report Making and Presentation
5. FACILITIES AND INSTITUTIONS
 - 1) Hachioji International Training Centre, JICA
 - 2) The International Development Centre of Japan (IDCJ)
6. REMARKS

1. PERIOD

September 1, 1992 to October 25, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eighteen (18)

3. QUALIFICATIONS

- 1) be central government planners engaged in economic development planning and have at least five years' occupational experience in this field
- 2) be those who have an academic background in economics or those having a proper experience and knowledge on economic policy and planning
- 3) be between thirty and forty years of age
- 4) have sufficient command of spoken and written English (desirably qualified to more than 550 points of TOEFL scores or its equivalent)

4. DESCRIPTION OF TRAINING

- 1) Presentation of and Discussion on Country Report
- 2) Lectures on Japan's Economic Development and Economic Cooperation Policy
 - Japan's Economic Development
 - Economic Planning in Japan
 - Trade and Development
 - Linkage between Agricultural and Industrial Development
 - Infrastructure Investment and Economic Development
 - Role of Government for Economic Development
 - Industrial Policy of Japan
 - Technology Development of Japan
 - Human Resource Development in Japan
 - Financial Development
 - Social Aspect of Economic Development in Japan
 - Industrial Development in Japan (light industry, heavy industry, machine industry)
 - Japan's Development Cooperation Policy
- 3) Field trip
- 4) Discussion
- 5) Final Report Writing, Presentation, and Revision

5. FACILITIES AND INSTITUTIONS

The International Development Center of Japan (IDCJ)

6. REMARKS

No. 4

SEMINAR ON INTRODUCTION TO JAPAN'S INTERNATIONAL
COOPERATION ACTIVITIES 国際協力事業紹介セミナー

1. PERIOD

June 16, 1992 to July 7, 1992 (22 days)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Be officials in the rank of director of the division in charge of the International Cooperation Programme at the Central Government,
- 2) Have a sufficient command of spoken and written English, and
- 3) Be healthy enough to undergo the course of seminar. Pregnancy is regarded as a disqualifying condition for participation in the seminar.

4. DESCRIPTION OF TRAINING

Part I. General Introduction to Japan and the Japanese.

- (1) General Orientation:
- (2) Centre Orientation:

Part II. General Introduction to Japan's International Cooperation.

- (1) General introduction to Ministry of Foreign Affairs and Japan's policy on international cooperation:
- (2) General introduction to JICA and her role:
- (3) General introduction to Overseas Economic Cooperation Fund (OECF) and her role:
- (4) General introduction to some other agency/ies:
(not fixed yet)
- (5) Country-wise/Region-wise approach of JICA's cooperation activities and discussion with the officers from Regional Divisions, Planning Department of JICA:
- (6) Future of JICA'S international cooperation programmes with developing countries:

Part III. Introduction to JICA's Programmes and their procedures.

- (1) Introduction to JICA's Programmes and their procedures:
including:
Technical cooperation (Training of overseas participants, Assigning Japanese experts, Provision of technical equipments, Project-type technical cooperation, Development survey),
Grant aid,
Assigning Japan Overseas Cooperation Volunteers (JOCV),
Development cooperation,
Emigration services,
Recruiting and Training of qualified Japanese specialists, and Dispatching of Japan Disaster Relief Team (JDR)
- (2) Case Study on some Project-type Technical Cooperation Projects:
- (3) Introduction to the Logical Framework of Project Cycle Management utilized in JICA:
- (4) Observation of some of the affiliated organs of JICA: including, the JOCV secretariat and its Training Institute, and Institute for International Cooperation

Part IV. Observation Tour.

- (1) Observation of following cities:
Kyoto, ancient capital of Japan
Osaka, one of the most active commercial areas in Japan
Hiroshima, A-bomb memorial museum

Part V. Discussion for Better Cooperation Implementation.

- (1) Country Report Presentation:
- (2) Discussion for better cooperation implementation:

Part VI. Evaluation of the Seminar Programme.

- (1) Evaluation Meeting:

5. FACILITIES AND INSTITUTIONS

Institute for International Cooperation,
Japan International Cooperation Agency

6. REMARKS

ADMINISTRATION

1. PERIOD

October 12, 1992 to October 29, 1992 (18 days)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eighteen (18)

3. QUALIFICATIONS

- 1) Be officials in the rank of the Director of Division in charge of Drug Law Enforcement at the central government.
- 2) Have experience of more than three years in drug law enforcement
- 3) Have identification technics
- 4) Have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - The current trends and situation in drug offences and their counter measures in Japan
- 2) Comparative study
 - Major drug problems facing each society
 - Current situation of drug abuse in each country
 - Laws and regulations (confiscation of proceeds etc.)
 - Investigative methods/techniques
 - Deportation procedure
- 3) Discussion and problem solving
 - Major drug problems in each region
 - Ways to improve international investigative cooperation
- 4) Observation
 - Forensic Laboratories
 - Metropolitan Police Dept.
- 5) Observation tours

5. FACILITIES AND INSTITUTIONS

National Police Agency

6. REMARKS

1. PERIOD

April 6, 1992 to July 5, 1992 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Persons who hold relatively senior positions in a central bureau, department or field agency concerned with the treatment of offenders, and who have at least five years of practical experience in their field.
- 2) University graduates or equivalents
- 3) Proficient in spoken and written English. Experience has shown that many participants find themselves unable to make progress in their training because of inadequate knowledge of English.
- 4) Over twenty-six (26) and under fifty (50) years of age.
- 5) In good health, both physically and mentally, to undergo the training. Pregnancy is regarded as a disqualifying condition for the participants in the course.

4. DESCRIPTION OF TRAINING

Main Theme: Further Use and Effectual Development of Non-Custodial Measures for Offenders

- 1) Comparative Study on the Treatment of Offenders
- 2) Workshops on Topics Selected by the Participants
- 3) Lectures and Discussion
 - alternative to pre-trial detention such as release on bail or on recognizance and pre-trial diversion such as suspension of prosecution,
 - non-custodial sanctions in sentencing, such as suspended sentence, probation, community service order, compensation or restitution order etc., and
 - alternatives to imprisonment at post-sentencing stage such as parole, remission, work release, furlough, etc.
- 4) Visit to Relevant Institutions and Agencies

5. FACILITIES AND INSTITUTIONS

- 1) Hachioji International Training Centre, JICA
- 2) United Nations Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders (UNAFEI)

6. REMARKS

CRIME PREVENTION (SENIOR SEMINOR) II 犯罪防止(上級)II

1. PERIOD

January 25, 1993 to March 7, 1993 (1.5 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATIONS

- 1) High-ranking criminal justice administrators at the policy-making level whose duties are closely related to the main theme of the seminar, and should be ranked at director level or above in the division of the Ministry of St, Ministry of Interior or the Supreme Court
- 2) A good command of spoken and written English
- 3) Between thirty-five and fifty-five years of age and likely to continue to work in this field for a minimum period of two years
- 4) In good health, both physically and mentally, to undergo the course. Pregnancy is regarded as a disqualifying condition for participation in the seminar

4. DESCRIPTION OF TRAINING

- 1) Orientation for the seminar
- 2) Visiting Experts' Lectures
- 3) Faculty's Lectures
- 4) Ad Hoc Lectures
- 5) Individual Presentation on the main theme of the seminar
- 6) General Discussion and Report Back Sessions
- 7) Observation Visits
- 8) Kansai Trip (Visit to some institutions)

5. FACILITIES AND INSTITUTIONS

- 1) Hachioji International Training Centre, JICA
- 2) United Nations Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders (UNAFET)

6. REMARKS

1. PERIOD

August 31, 1992 to December 29, 1992 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Persons who hold relatively senior positions in a central bureau department or field agency concerned with investigation, prosecution, trial or prevention of transnational crimes or correctional treatment of offenders of such crimes, and who have at least eight years of practical experience in their field or five years of practical experience plus a university degree or its equivalent
- 2) A sufficient command of spoken and written English
- 3) Under fifty (50) years of age
- 4) In good health, both physically and mentally, to undergo the course. Pregnancy is regarded as a disqualifying condition for participation in the course

4. DESCRIPTION OF TRAINING

Main Theme: Quest for Effective Methods of Organized Crime Control

- 1) Comparative Study on the Criminal Justice Administration
- 2) Group Workshops on the Topics Selected by the Participants
- 3) Lectures and discussion
 - Present situation regarding organized;
 - Efficacy and appropriateness of existing practices of criminal justice systems;
 - The development of new schemes and measures to facilitate the investigation and prosecution of organized, including promotion of international co-operation;
 - Appropriate sentencing policies with regard to crime;
 - Review and examination of strategies and programmes for the treatment of members of criminal organization, and for the prevention of organized crime;
 - Possible ways and procedures to develop more effective and appropriate measures to deal with the crime.
- 4) Visit to Relevant Institutions and Agencies

5. FACILITIES AND INSTITUTIONS

- 1) Hachioji International Training Centre, JICA
- 2) United Nations Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders (UNAFEI)

6. REMARKS

1. PERIOD

May 7, 1992 to July 18, 1992 (2.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) be university or college graduates (or equivalent) with occupational experience of more than seven years in the civil service relating to local public administration,
- 2) be between thirty (30) and forty (40) years old,
- 3) be civil service personnel holding responsible government positions (managerial or supervisory) and be promising candidates for the post of top management in the local government or that of senior management in the central government in the future,
- 4) a persons of having a sufficient command of spoken and written English.

4. DESCRIPTION OF TRAINING

- 1) Lectures
Purpose: To understand the local government system and its function in Japan.
 - Local Public Administration
 - Local Public Finance
 - Regional Development
- 2) Seminars
 - Local government system in the participating countries
 - Local public personal system in the participating countries
 - Role of local government in regional development
- 3) Discussion with Japanese trainees at Local Autonomy College
- 4) Field Study in Local Governments
Purpose: To study intensively the actual activities and the functions of local governments through the field training in typical local government.
- 5) Observation trips

5. FACILITIES AND INSTITUTIONS

- 1) Local Autonomy College, Ministry of Home Affairs
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

1. PERIOD

May 19, 1992 to July 5, 1992 (6 weeks)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) be a government's officer promising to be a senior member of the staff in the national government offices, and be related with policy formation;
- 2) have university degree or equivalent, with occupational experience of more than five years in public administration (at least two years of experience in the government);
- 3) have a good command of spoken and written English;
- 4) be not less than thirty (30), and not more than forty (40) years of age; and
- 5) be in good health, both physically and mentally, to undergo the training. Pregnancy is regarded as a disqualifying condition for participation in the training.

4. DESCRIPTION OF TRAINING

Part I. Modernization Process (14 units)

- (1) The Japanese process of modernization
Lecture on "Process of modernization in Japan"
- (2) Observation of Japanese modernization period
Study Tours
Observation of governmental and public facilities relating to Japanese development etc.

Part II. Study of Individual Policy Areas (16 units)

- Lectures on the policy process of specified cases are followed by the observation of actual policy implementation.
Case study will come from the following subjects:
- "Education"
 - "Assistance for Private Industry"
 - "Infrastructure Building -- Communication --"
 - "Infrastructure Building -- Transportation --"

Part III. Framework Analysis of Public Policy (10 units)

- Lecture & discussion on "Policy Implementation"
- Lecture & discussion on "Human Resource Management"
- Lecture & discussion on "Financial Management"
- Lecture & discussion on "Role of Administration for Development"

Part IV. Modernization of Public Administration in Participating Countries (12 units)

- (1) Keynote address by lecturer
- (2) Discussion on some specific fields referring to the report submitted by participants
Presentation by each participant (within 20 minutes per one subject)
Discussion on following topics:
 - Modernization of Education System
 - Assistance for Private Industry (e.g. agriculture, small and medium size enterprises)
 - Improvement of Human Resource Management in the Public SectorChairpersons and reporters will be nominated by participants.
- (3) Summary Address by lecturer
- (4) Report writing

5. FACILITIES AND INSTITUTIONS

National Personnel Authority

6. REMARKS

SEMINAR ON NATIONAL GOVERNMENT ADMINISTRATION
(SENIOR CLASS OFFICIALS) 上級国家行政セミナー

1. PERIOD

September 21, 1992 to October 25, 1992 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) be ranked senior class officials (at least directors of division and who is participant in policy formation) in the national government offices;
- 2) have university degree or equivalent, with occupational experience of more than ten years (at least two years of experience in the government);
- 3) have a good command of spoken and written English;
- 4) be not less than thirty-five (35), and not more than forty-five (45) years of age; and
- 5) be in good health, both physically and mentally, to undergo the training. Pregnancy is regarded as a disqualifying condition for participation in the training.

4. DESCRIPTION

Part I. Modernization of Government Administration (23 units)

- Case Study

Following "Bird's eyes view" which give global situation of the case, the participants will observe the facilities of this case.

The cases of this year will come from "Public Facilities" and "Research & Development"

- Policy Formation

Lecture & discussion on "Intervention by the Government for Development"

Lecture & discussion on "Industrial Policy"

Lecture & discussion on "Research & Development"

Lecture & discussion on "Role of Administration for Development"

Part II. Economic and Social Development in the Participating Countries (8 units)

- Economic Development

Lecture & discussion on "Economic Development for Developing Countries"

- Group discussion on some specific fields referring to the report submitted by participants

Group discussion on following fields:

- Industrial Policy for development
- Intervention by the Government for development

5. FACILITIES AND INSTITUTIONS

National Personnel Authority

6. REMARKS

1. PERIOD

November 10, 1992 to December 15, 1992 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) be a director or a chief police superintendent who supervises or is dealing with traffic police affairs in the central police organization
- 2) be university graduates or their equivalent
- 3) have a sufficient command of spoken and written English
- 4) be in good health, both physically and mentally

4. DESCRIPTION OF TRAINING

- 1) General Subjects (Lecture) (3 sessions)
 - Japanese Police System
 - Role of Traffic Police
 - Application of computers by the Police
- 2) Specialized Subjects (Lecture) (14 sessions)
 - Traffic Planning Division related Subjects
 - Traffic Law Enforcement related Subjects
 - Traffic Control Division related Subjects
 - Expressway Administration Division related Subjects
 - Driver's Licence Division related Subjects
 - Other related Subjects
- 3) Technical Visit (11 sessions)
 - Activities of traffic police officers on streets
 - Traffic control & surveillance center and command room
 - Driver's licence examination center and safe driving school and others
- 4) Observation Tour

5. FACILITIES AND INSTITUTIONS

Traffic Planning Division, Traffic Bureau, National Police Agency (NPA)

6. REMARKS

The course is conducted every other year

1. PERIOD

May 5, 1992 to May 31, 1992 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Be a commanding police officer (superintendent, major, or higher) in charge of criminal investigation in the central police organization
- 2) Have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lecture (13 sessions)
 - Police system in Japan
 - Outline of criminal police
 - Outline of international criminal investigation
 - Criminal identification system
 - Safety police activities
 - Status of offense committed by members of organized crime groups and measures taken against such offenders
 - Fingerprint identification
 - Investigation of drug offences
- 2) Observation Visit (14 sessions)
 - Metropolitan Police Department (MPD)
 - Identification Material Center (NPA)
 - Criminal Investigation Laboratory
 - High Court
 - Fuchu' Prison
 - International Airport (Customs, Immigration, etc.)
 - Private company
- 3) Country Report Presentation and Discussion (6 sessions)
- 4) Study Trip (3 days)
Local district.

5. FACILITIES AND INSTITUTIONS

National Police Agency

6. REMARKS

1. PERIOD

August 25, 1992 to November 26, 1992 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Leader in the field of rescue service
- 3) Under 30 years in principle
- 4) Good working knowledge of English
- 5) Not serving as military personnel

4. DESCRIPTION OF TRAINING

- 1) Basic theory
 - Fire service system in Japan
 - Present situation of disaster and fire service activities
 - Policy to prevent hazardous materials disaster
 - Policy to prevent earthquake disaster
 - Standard on the fire service strength and educational training
 - Legal system of rescue service and rescue company standard
- 2) Outline of rescue service
 - Rescue service activity
 - Theory of rescue instruction
 - Safety administration
 - First aid
- 3) Rescue practice
 - Physical strength developing method
 - Rope knotting
 - Ascending, descending and traversing by rope
 - Usage of rescue tools
 - Entry technique
 - Rescue techniques
 - Searching technique
 - First aid
- 4) Case study
- 5) Comprehensive practice
- 6) Observation visit
- 7) Study trip

5. FACILITIES AND INSTITUTIONS

Fire Defense Agency, Ministry of Home Affairs

6. REMARKS

FIRE FIGHTING TECHNIQUES 消火技術

1. PERIOD

August 3, 1992 to November 20, 1992 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) be university graduates or equivalent
- 2) be presently engaged in fire service, have at least 5 years experience
- 3) be able to extend their techniques systematically after returning to their countries
- 4) be proficient in spoken and written English
- 5) be in good health, both physically and mentally to undergo the training. Pregnancy is regarded as a disqualifying condition
- 6) not be serving as a military personnel presently
- 7) be under forty (40) years of age

4. DESCRIPTION OF TRAINING

- 1) Lecture
 - Fire service system in Japan, and the present situation
 - Fire pumps
 - Hydraulic science
 - Introduction to safety control
 - Introduction to fire fighting
 - Building fire fighting techniques
 - Vehicles fire fighting techniques
 - Ships fire fighting techniques
 - Airplanes fire fighting techniques
 - Hazardous material fire fighting techniques
 - Commanding techniques at fireground
- 2) Practice
 - Basic training
 - Manner in training
 - Fire fighting equipment
 - Life saving technics in fire
 - Fire engine operation
 - Firefighting practice
 - Building fire
 - Hazardous material fire
 - Vehicles fire
 - Ships fire
 - Wildland fire
 - Basement fire
- 3) Quartering Study
- 4) Observation Visit
- 5) Study Trip
- 6) Others

5. FACILITIES AND INSTITUTIONS

- 1) Fire Defense Agency, Ministry of Home Affairs
- 2) Kitakyushu City Fire Department

6. REMARKS

1. PERIOD

September 15, 1992 to November 8, 1992 (1.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduate or equivalent with occupational experience
- 2) Under forty (40) years
- 3) Good working knowledge of English
- 4) Administrative officer or candidate for administrative officer, who are presently engaged in planning/drafting of Fire Service System

4. DESCRIPTION OF TRAINING

- 1) Lectures and Practice
 - a) Measures for Strengthen Administrative Functions
 - Effective Administrative System in Fire Service
 - Optimum Standard for Fire Equipment and Personnel
 - Effective Communication & Cooperation among Fire Authorities
 - b) Measures for Strengthen Fire Service Techniques
 - Improvement of Capabilities of Fire Personnel
 - Development and Improvement of Fire Protection Equipment
 - c) Measures for Dissemination of Fire Protection Awareness
 - Fire Education for School Children and Citizens
 - Current Status of Fire Insurance
 - d) Measures for Promotion of fire Prevention
 - Consent to & Control over Facilities and Its Management
 - Control of Hazardous Materials
 - e) Measures for Strengthen Volunteer Fire Protection Activities
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Fire Defence Agency, Ministry of Home Affairs
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

1. PERIOD

October 13, 1992 to December 6, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) be university graduates or equivalent with occupational experience,
- 2) be administrative officer or candidate for it, who are presently engaged in planning/drafting of Disaster Preventional System, or in administrative section for Disaster Prevention implementation,
- 3) have a sufficient command of spoken and written English,
- 4) be not more than 40 years of age in principle,
- 5) be in good health, both physically and mentally to undergo the course of training,
- 6) be able to extend their techniques systematically after returning to their countries.

4. DESCRIPTION OF TRAINING

Subjects

- Legislation governing disaster prevention
- Present status of disaster prevention systems
- Operation of disaster prevention systems
- Disaster information
- Role of fire service in disaster prevention
- Trend of recent disasters
- Improvement of disaster prevention system

5. FACILITIES AND INSTITUTIONS

Japan Fire Defence Agency, Ministry of Home Affairs

6. REMARKS

1. PERIOD

September 17, 1992 to November 28, 1992 (2.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) be university graduates or equivalent with occupational experience,
- 2) be administrative officer or candidate for it, who are presently engaged in planning/drafting of Fire Service System, or in administrative section for Fire Service implementation,
- 3) have a sufficient command of spoken and written English,
- 4) be not more than 40 years age in principle,
- 5) be in good health, both physically and mentally to undergo the course of training. Pregnancy is regarded as a disqualifying condition for the participation in the course,
- 6) be able to extend their techniques systematically after returning to their countries.

4. DESCRIPTION OF TRAINING

- 1) Lectures and Observation
 - Outline of fire service
 - Legislation on fire service
 - Fire service systems
 - Fire inspection
 - Regulation on dangerous objects
 - Investigation
 - Case study

5. FACILITIES AND INSTITUTIONS

- 1) Nagoya City Fire Department
- 2) Fire Stations in Nagoya City

6. REMARKS

No. 19

GOVERNMENT AUDITING SEMINAR (COMPUTER AUDITING)

政府会計検査セミナー(コンピュータ会計検査)

1. PERIOD

June 22, 1992 to July 29, 1992 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) Senior officials of the Supreme Audit Institution with Computer Auditing Experience
- 2) Not more than 45 years of age
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lecture and Discussion
 - Financial and Accounting System of the Government
 - Government Auditing System and the Board of Audit
 - EDP System in Japanese Government and Public Organization
 - Computer System of the Board of Audit
 - Audit Practice by Computer
- 2) Observation Tour

5. FACILITIES AND INSTITUTIONS

- 1) Hachioji International Training Centre, JICA
- 2) Board of Audit

6. REMARKS

1. PERIOD

January 11, 1993 to March 6, 1993 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Currently in charge of industrial policy or international trade policy, in government office
- 2) University or college graduates (preferably, majored Economics/Lsws)
- 3) Occupational experience of more than 5 years
- 4) Under 35 years of age
- 5) Good working knowledge of English
- 6) Physically and mentally fit to attend a training course

4. DESCRIPTION OF TRAINING

- 1) Lectures
Japan's Economic Development, Transition of Japan's Industrial Structure, Transition of Japan's International Trade Policy, System of Japan's Administration, Japan's Labor Relations, International Comparisons of Scientific and Technological Policies, etc.
- 2) Study visits
Industrial Estate, Small and Medium-sized Enterprise, Trade House, government agencies for trade and industrial development.

5. FACILITIES AND INSTITUTIONS

- 1) International Development Center of Japan (IDCJ)
- 2) Tokyo International Centre, JICA

6. REMARKS

No. 21

SEMINAR ON TAXATION (GENERAL TAX COURSE) 国際税務行政セミナー
(一般租税コース)

1. PERIOD

August 31, 1992 to December 10, 1992 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATIONS

- 1) Be engaged in tax administration with more than 5 years of occupational experience
- 2) University graduates or the equivalent academic background
- 3) Not more than 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lecture and Discussion
 - Japanese Economy, Public Finance, Tax Policy and Tax Law
 - Tax administration in Japan
- 2) Observation
 - Actual operation of tax administration
- 3) Country Report Presentation
- 4) Report Making

5. FACILITIES AND INSTITUTIONS

- 1) Hachioji International Training Centre, JICA
- 2) National Tax Administration

6. REMARKS

SEMINAR ON TAXATION (SENIOR TAX COURSE)

国際税務行政セミナー（上級租税コース）

1. PERIOD

September 13, 1992 to October 10, 1992 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) be ranked as senior-class officials of competent government departments in charge of tax administration (except customs),
- 2) be familiar with the following subjects:
 - the present situation and problems of organization of audit investigation function, and
 - personnel management for the improvement of tax auditors' competence.

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - (1) Lectures on Japanese public finance and tax system
Purpose: to get an outline knowledge of public finance and tax system
 - (2) Lectures on Japanese tax administration
Purpose: to get an outline knowledge of current situation of Japanese tax administration
 - (3) Lecture on international cooperation on taxation
Purpose: to get an outline knowledge of current situation of international cooperation on taxation
 - 2) Presentations of Country Reports and round table discussion
Purpose: to exchange information and views in the field of taxation through the presentations of country reports and round table discussions
Subject:
 1. System of assessment
 2. System of Collection
 - 3) Observation
 1. Regional taxation bureau
 2. Tax office
 - 4) Observation Tour
 1. Cultural places etc.
- Note: This curriculum may be subject to some changes.

5. FACILITIES AND INSTITUTIONS

National Tax Administration

6. REMARKS

1. PERIOD

September 1, 1992 to October 29, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Customs officer
- 3) Under 35 years of age
- 4) Good command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures and Discussions
 - Organizations and functions of customs administration in Japan
 - Customs and tariff policy
 - Export and import clearance
 - Customs valuation
 - Surveillance harmonized system
 - C.C.C.
 - Bond (Hozei) system
 - Postal clearance
 - Computerized air cargo clearance system
 - Comparative study on related items
- 2) Observation tours
 - Regional customs houses
 - Bonded area
 - Major manufacturing firms
 - General post office

5. FACILITIES AND INSTITUTIONS

- 1) Customs and Tariff Bureau, Ministry of Finance
- 2) Tokyo, Yokohama, Kobe, Osaka and Nagoya Custom House

6. REMARKS

ENVIRONMENTAL ADMINISTRATION (ADMINISTRATION OF
POLLUTION CONTROL)

環境行政

1. PERIOD

October 5, 1992 to November 28, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) be presently engaged directly in policy-drafting in environmental administration in the governmental or related public organization with experience of at least five (5) years,
- 2) be university graduates or possess the equivalent academic background in this field,
- 3) be preferably under forty-five (45) years of age

4. DESCRIPTION OF TRAINING

1) Lectures and discussions

Introduction

- Development of environmental administration
- Outline of pollution control administration
- Outline of nature conservation administration

Japanese Environmental Policies by Types of Pollution Problems

- Air pollution
- Traffic pollution
- Noise, vibration
- Offensive odor
- Water pollution
- Waste management
- Environmental impact assessment system
- Environmental information
- Environmental Education
- Pollution-related Health Hazards Compensation System
- Environmental research & development
- Activities of Japan Environment Public Corporation
- Environmental administration and role of NGOs

Environmental Administration at Local Level

- Air pollution
- Water pollution
- Waste management

Problem Solving Methodology

JICA's Activities in the Field of Pollution Control

2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) International Affairs Division, Environment Agency
- 2) Japan Environmental Sanitation Center (JESC)
- 3) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

No. 25

ENVIRONMENTAL ENGINEERING (WATER POLLUTION CONTROL)

環境技術 (水質保全)

1. PERIOD

September 7, 1992 to October 29, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Technical officials presently in charge of water pollution control including domestic and industrial waste water management in central or local governments
- 2) Three years or more experience in their respective fields
- 3) University graduates or equivalent
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Planning and implementation of water pollution control
 - Technologies of water management
 - Effects of water pollution on water use and its countermeasures
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Water Quality Bureau, Environment Agency
- 2) Japan Society on Water Environment
- 3) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

No. 26

ENVIRONMENTAL ENGINEERING (AIR POLLUTION CONTROL) 環境技術(大気保全)

1. PERIOD

January 25, 1993 to March 14, 1993 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Technical officials directly responsible for air pollution control administration with more than 3 years of experience.
- 2) University graduates or equivalent with technical qualifications in this field
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lecture and Practice
 - Environmental pollution issues in Japan
 - Air pollution control administration
 - Planning and countermeasures
 - Measurement and assessment
- 2) Country report presentation
- 3) Field observation

5. FACILITIES AND INSTITUTIONS

- 1) Hachioji International Training Centre, JICA
- 2) Environment Agency
- 3) Japan Environmental Sanitation Centre (JESC)

6. REMARKS

No. 27

ENVIRONMENTAL MONITORING (WATER QUALITY) 環境モニタリング(水質)

1. PERIOD

September 21, 1992 to November 14, 1992 (1.5 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Graduates of college or university majoring in chemistry, chemical engineering, hygiene engineering, environmental engineering, environmental science
- 2) Experienced for more than three (3) years in the field of water pollution control at the national or local government.
- 3) Under 35 years and above 25 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Contents
 - Introduction to water quality monitoring
 - Water quality monitoring planning
 - Water quality analytical measurement techniques
 - Utilization of analytical data on water quality
- 2) Methodology
 - Lecture
 - Discussion
 - Practice (demonstration and laboratory exercise)
 - Field trips

5. FACILITIES AND INSTITUTIONS

National Environmental Training Institute (NETI), Environment Agency, Japan

6. REMARKS

1. PERIOD

September 29, 1992 to October 29, 1992 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Technical officials presently in charge of nature conservation and/or management administration in central or local governments with five (5) or more years of experience in this field,
- 2) University graduates or possess equivalent technical qualifications in this field,
- 3) Sufficient command of spoken and written English,
- 4) Not more than 45 years of age

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Basic concepts of nature conservation and natural parks management.
 - Framework of Japanese nature conservation.
- 2) Practice
 - Preparation and presentation of a plan of contribution for nature conservation and management in their respective countries.
- 3) Field Study
 - Research work in nature to obtain scientific knowledge and to employ techniques.
 - Management of nature to learn the basic principles of the administration of natural parts and to employ techniques for coral protection.

5. FACILITIES AND INSTITUTIONS

- 1) Nature Conservation Bureau, Environment Agency
- 2) Japan Wildlife Research Center

6. REMARKS

1. PERIOD

January 7, 1993 to March 28, 1992 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Technical administrators who are in charge of water quality measurement laboratory (occupational experience of at least 5 years), and who are expected to assume a post of executive administration in the field of water quality control/management in the future
- 2) University graduates having majored in analytical chemistry or microbiology, or the equivalent
- 3) Under 35 years of age
- 4) Good working knowledge of English
- 5) Good health, both physically and mentally, to undergo the course of the training

4. DESCRIPTION OF TRAINING

- 1) Lectures and Practices
 - Fundamental concept of lake management
 - Monitoring of lake water quality
 - Practice of analysis of lake water
 - Maintenance of analytical instruments
 - How to effectively use data on water quality
 - Simulation of water quality
 - Laws concerning lakes
 - Policies and measures concerning lake water management
- 2) Observations and study tours
 - Lakes, research institutes, private companies (manufacturers of analytical instruments of water)

5. FACILITIES AND INSTITUTIONS

- 1) International Lake Environment Committee Foundation (ILEC)
- 2) Shiga Prefectural Government

6. REMARKS

SYSTEM OF ENVIRONMENT MANAGEMENT ON ENCLOSED COASTAL SEAS

閉鎖性海域の環境管理技術

1. PERIOD

September 21, 1992 to December 3, 1992 (2.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) be leading officers in administrative bodies presently engaged in environmental management of enclosed coastal seas and coastlines,
- 2) be university graduates and/or those who have equivalent practical experience of not less than three (3) years in the field of environment on enclosed coastal seas,
- 3) have a sufficient command of spoken and written English,
- 4) be not less than twenty-six (26), and not more than forty (40) years of age.

4. DESCRIPTION OF TRAINING

The following major subjects will be covered in the course.

- 1) Administrative topics
Outline of environmental administration in Japan, legislation on environmental pollution and environmental quality standards
- 2) Techniques for pollution management
Outline of environmental pollution, water pollution and waste water treatment
- 3) The mechanic of water pollution
Occurrence, influx, diffusion, sedimentation, decomposition, water bloom and eutrophication
- 4) Waste water treatment
Treatment planning
- 5) Measurement of water pollution
Standard methods of measurement, measuring instruments, monitoring system and data analysis
- 6) Environmental management
Ideas and methods of environmental management planning and practical methods of environmental assessment

5. FACILITIES AND INSTITUTIONS

- 1) Environmental Conservation Association of Seto Inland Sea
- 2) Hyogo International Centre (HIC), JICA
- 3) The Environmental Science Institute of Hyogo Prefecture

6. REMARKS

1. PERIOD

August 13, 1992 to November 13, 1992 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent, or have the occupational experience of more than five (5) years in the field of marine pollution prevention,
- 2) Presently engaged in the above-mentioned field,
- 3) Be under forty-one (41) years of age, and
- 4) Having sufficient command of both spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Outline and Services of Maritime Safety Agency
- 2) Laws on the Prevention of Marine Pollution
- 3) Current situation of Marine Pollution in Japan
- 4) Violation of Laws on Marine Pollution
- 5) Analysis of Noxious Substances
- 6) Control of Spilled Oil
- 7) Discrimination and Identification of Oil
- 8) Prevention of Marine Disasters
- 9) Off-shore Training
- 10) Air Training
- 11) Field Training
- 12) Oil Sample Analysis
- 13) Special Lecture
- 14) Presentation and Discussion on the Situation of Participants' Country
- 15) Observation Tour
- 16) Intensive Japanese Language

5. FACILITIES AND INSTITUTIONS

- 1) Maritime Safety Agency Headquarters
- 2) Maritime Safety Research Center of Maritime Safety Agency
- 3) The 11th Regional Headquarters of Maritime Safety Agency
- 4) Okinawa International Centre (OIC), JICA

6. REMARKS

AIR POLLUTION CONTROL 大気汚染対策

1. PERIOD

July 9, 1992 to October 31, 1992 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Technical administrators engaged in air pollution control measures in the central or local government, with at least 3 years of experience in the related field.
- 3) Between twenty-five (25) and thirty-five (35) years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lecture
 - Legislation concerning air pollution
 - Preventive measures
 - Measuring techniques
 - Estimation techniques
 - Environmental control techniques
- 2) Practice
 - Practices of preventive measures, measuring techniques, etc., in experimental plants and working plants
- 3) Observation
 - Treatment facilities
 - Wind-tunnel experimental facilities
 - Environmental control systems

5. FACILITIES AND INSTITUTIONS

- 1) Osaka International House Foundation
- 2) Osaka City Institute of Public Health and Environmental Sciences

6. REMARKS

1. PERIOD

September 7, 1992 to December 20, 1992 (3.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

Applicants should:

- 1) be university graduates or have equivalent academic backgrounds.
- 2) be technical engineers/administrators who have three years or more experience on air pollution monitoring practice and/or equivalent technical knowledge.
- 3) have a sufficient command of spoken and written English.*
- 4) be not more than 40 years of age, and
- 5) be in good health, both physically and mentally, to undergo the training. Pregnancy is regarded as a disqualifying condition.

* For an example, it is desirable to hold TOEFL (Test of English as a Foreign Language) score more than 500 points.

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Basic theory on combustion engineering
 - Administrative framework on air pollution control in Japan and Kitakyushu City
 - Practical training on ambient air quality monitoring
 - Practical training on exhaust gas analysis
 - Biological monitoring for air pollution
 - Practical training on air pollution source monitoring
 - Outline of environmental improvement and simulated operation training in coal-fired thermal power station
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Kitakyushu International Association
- 2) Kitakyushu City Government
- 3) Kyushu Institute of Technology
- 4) Kitakyushu University
- 5) Other related industries

6. REMARKS

No. 34

**MEASURES TO REDUCE THE USE OF THE OZONE
DEPLETING SUBSTANCES** オゾン層破壊物質削減技術

1. PERIOD

January 28, 1993 to February 28, 1993 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Government officers in charge of industry or environment, in relation to CFCs or other ozone depleting substances
- 3) Between 30 and 45 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Introduction on issues on protection of the Ozone Layer
 - State of Ozone Observations and Research
 - Outline of the Vienna Convention and the Montreal Protocol
 - Policy measures for the Protection of the Ozone Layer in Japan
 - Substitutes and Alternatives for Controlled Substances
 - Technologies to reduce consumption of ozone depleting substances
- 2) Observation tour
 - National research institutes concerning environmental protection
 - Related manufacturer

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of International Trade and Industry (MITI)
- 2) Japan Industrial Conference for Ozone Layer Protection (JICOP)

6. REMARKS

1. PERIOD

September 15, 1992 to October 25, 1992 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) Be college graduates or university graduates who have majored in science or technology, or those who have equivalent technical knowledge
- 2) Be working or going to work in organizations concerned with environmental radioactivity analysis and measurement
- 3) Have a sufficient command of spoken and written English, this item will be checked strictly
- 4) Be in good health, both physically and mentally, to undergo the course of training. Pregnancy is regarded as a disqualifying condition for the participation in the course

4. DESCRIPTION OF TRAINING

- 1) Basic Subjects: Environmental Radioactivity Analysis and Measurement.
- 2) Sampling and Pretreatment: Sampling and Pretreatment of Precipitation, Water, Fish, Vegetable, etc.
- 3) Analysis and Measurement for Tritium, Radioactive Strontium, Uranium and Plutonium in Environmental Samples.
- 4) Gamma Ray Spectrometry: Gamma Ray Spectrometry with Germanium Semiconductor Detector.
- 5) Environmental Gamma Ray Dose Measurement: Gamma Ray Dose Measurement with Thermoluminescence Dosimeter Systems.

5. FACILITIES AND INSTITUTIONS

Japan Chemical Analysis Center (JCAC)

6. REMARKS

1. PERIOD

January 11, 1993 to February 7, 1993 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) be technical administrators presently in charge of environmental assessment in central or local government
- 2) be university graduates or equivalent with technical qualifications in the field
- 3) good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lecture and practical training
 - Development and Environment
 - Assessment technology
 - Assessment information
 - Japan's case study
- 2) Country report presentation

5. FACILITIES AND INSTITUTIONS

Planning and Coordination Bureau, Environment Agency
Overseas Environmental Cooperation Center

6. REMARKS

1. PERIOD

June 15, 1992 to October 22, 1992 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) be university graduates (faculty of Engineering) or have the equivalent academic background
- 2) have 3 years' or more occupational experience in the field of Industrial Pollution Control*
- 3) be not more than 40 years old
- 4) have a sufficient command of spoken and written English**

* This course aims at providing a wide and basic knowledge and techniques. Therefore, the course is not beneficial for those who are engaged in specific fields; for example a chemical analyst in a laboratory, a scientific researcher in the university.

** For an example, it is desirable to hold TOEFL (Test of English as a Foreign Language) score more than 500 points

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Introduction (the History of Industrial Pollution Preventive Measures in Japan) (1.5 days)
 - Health Effects of Environmental Pollutants (3.0 days)
 - Environmental Engineering (7.0 days)
 - Environmental Administration (11 days)
 - Environmental pollutants Measuring Method (5.0 days)
 - International Cooperation in the field of Environment (1.0 day)
 - Environmental Pollution Control Measures taken by Industries (22.0 days)
 - Measures for improving working environments (3.0 days)
 - Making of Action Plan (3.0 days)
 - Computer literacy (12 days)
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Kitakyushu International Training Association
- 2) Kyushu International Centre, JICA
- 3) Kitakyushu Municipal Government
- 4) Kyushu Institute of Technology
- 5) The University of Occupational and Environmental Health, Japan
- 6) Nippon Steel Corporation, Yawata Works
- 7) Mitsubishi Kasei Corporation, Kurosaki Plant
- 8) Mitsubishi Materials Corporation, Kurosaki Plant
- 9) Kyushu Electric Power Co., Inc.

6. REMARKS

INDUSTRIAL POLLUTION CONTROL RESEARCH 産業公害防止

1. PERIOD

November 16, 1992 to March 14, 1993 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) Technical officials or researchers
- 2) University graduates or equivalent
- 3) Three years experience in the field of pollution control technology
- 4) Under 40 years of age
- 5) Good working knowledge of English or Japanese

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Views of the environmental issues
 - Pollution control technologies
- 2) Individual studies
 - Measuring techniques of air quality
 - Measuring techniques of water quality
 - Air pollution prevention technology at source and automobile
 - Atmospheric Chemistry
 - Biological treatment of waste water
 - Physico-chemical treatment of waste water
 - Assessment technology for air and water pollution
- 3) Observation tours
 - To the related institutes, municipalities and companies

5. FACILITIES AND INSTITUTIONS

- 1) National Institute for Resources and Environment (NIRE), Ministry of International Trade and Industry (MITI)
- 2) Tsukuba International Centre, JICA

6. REMARKS

INDUSTRIAL WASTE WATER TREATMENT TECHNIQUE 産業廃水処理技術

1. PERIOD

August 3, 1992 to December 13, 1992 (4.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) be engineers in charge of wastewater treatment in the government/municipal officers or manufacturing industries with more than three years of occupational experience, including site managers for the government/municipal officers or companies who are scheduled to take charge of that field in the future.
- 2) be university graduates (majoring in chemical, mechanical, electrical or civil engineering) or those with equivalent academic backgrounds.
- 3) be not more than 40 years of old
- 4) have a sufficient command of spoken and written English*

* For an example, it is desirable to hold TOEFL (Test of English as a Foreign Language) score more than 500 points.

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Introduction to water pollution prevention (7 days)
 - Basic theory of wastewater treatment (3.5 days)
 - Wastewater analysis (5 days)
 - Computer literacy and automatic control (10 days)
 - Fundamental planning of wastewater facilities (15.5 days)
 - Design and construction total of wastewater treatment facilities (6.5 days)
 - Maintenance management of wastewater treatment facilities (4.5 days)
 - Wastewater control in enterprises (6.5 days)
 - Supplementary lectures (4 days)
 - Plant visit (11 days)
 - Summary and presentation (3.5 days)
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Kitakyushu International Training Association
- 2) Kyushu International Centre, JICA
- 3) Kyushu Institute of Technology (KIT)
- 4) Kitakyushu City Government
- 5) Kankyo Engineering Co., Ltd. (Kitakyushu Branch Office)
- 6) Nippon Steel Corporation, Yawata Works

6. REMARKS

1. PERIOD

August 31, 1992 to December 16, 1992 (3.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

Applicants should:

- 1) be university graduates or have equivalent academic background
- 2) be technical engineers/administrators who have three years or more experience on domestic waste-water treatment practice and/or equivalent technical knowledge
- 3) have sufficient command of spoken and written English*
- 4) be not more than 40 years of age
- 5) be in good health, both physically and mentally, to undergo the training. Pregnancy is regarded as a disqualifying condition.

* For an example, it is desirable to hold TOEFL (Test of English as a Foreign Language) score more than 500 points.

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Basic theory on water quality conservation (4.0 days)
 - Basic theory on Local Administration (1.0 day)
 - Administrative framework on water pollution control in Japan and Kitakyushu City (6.0 days)
 - Practical training on water quality analysis (3.0 days)
 - Technical training on night-soil treatment (7.0 days)
 - Technical training on sewage/drainage treatment (7.5 days)
 - Technical training on septic tank management (10.5 days)
 - Practical training on waste disposal (2.0 days)
 - Practical training on river/water-way management in urban area (1.0 day)
 - Practical training on water supply (3.0 days)
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Kitakyushu International Association
- 2) Kyushu International Centre, JICA
- 3) Kitakyushu City Government
- 4) Kyushu Institute of Technology
- 5) The University of Occupational and Environmental Health, Japan
- 6) Kitakyushu University
- 7) Japan Environmental Sanitation Centre, West Japan Branch Office

6. REMARKS

PRACTICAL STATISTICS II 統計実務 II

1. PERIOD

September 17, 1992 to March 21, 1993 (6 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirty-three (33)

3. QUALIFICATIONS

- 1) University graduates specialized in statistics, economics or sociology or those who have the equivalent knowledge and experience
- 2) be over twenty-five (25) but under thirty-five (35) years of age
- 3) have a sufficient command of spoken and written English
- 4) have a sufficient knowledge of basic mathematics

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Statistical methods
 - Sampling methods
 - Statistical operations, Computing
 - National accounting statistics
 - Demographic and social statistics
 - Economic statistics
 - Food and agricultural statistics
- 2) Observation of field operations of statistical surveys

5. FACILITIES AND INSTITUTIONS

- 1) Statistical Institute for Asia and the Pacific (SIAP)
- 2) Management and Coordination Agency
- 3) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

This course is organized mainly for ESCAP countries.

1. PERIOD

May 5, 1992 to July 14, 1992 (2.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATIONS

- 1) University graduates or have the equivalent knowledge and experience
- 2) Middle level statisticians with little or no experience in statistical computing
- 3) Under 35 years of age
- 4) Having a sufficient command of spoken and written English
- 5) Being as fully informed as possible about their countries' statistical systems and related data processing facilities

4. DESCRIPTION OF TRAINING

- 1) Systems analysis and equipment selection
- 2) Electronic data processing and PL/I programming language
- 3) Large-file statistical data processing
- 4) Computer methods in statistical analysis
- 5) Statistical operations
- 6) Computer laboratory

5. FACILITIES AND INSTITUTIONS

- 1) Statistical Institute for Asia and the Pacific
- 2) Management and Coordination Agency
- 3) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

This course is organized for ESCAP countries.

No. 43

ELECTRONIC DATA PROCESSING FOR GOVERNMENT
INFORMATION ACTIVITIES

行政情報システム

1. PERIOD

January 11, 1993 to March 10, 1993 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Officials who belong to
 - i) a government body responsible for overall management and coordination of GIS, being engaged in relevant works
 - ii) a government body planned to be responsible or considered to be suitable for the task mentioned above.
- 2) Have the knowledge and skills in data processing by computer, preferably with experiences of developing and/or managing computer systems
- 3) University graduates or have equivalent educational backgrounds
- 4) Good working knowledge of English
- 5) Under 40 years of age

4. DESCRIPTION OF TRAINING

- 1) Outline of Public Administration and Government Information System
- 2) Policy for Information Industries and Communications
- 3) Methodology of Management and Coordination of GIS
- 4) Computerization of Statistics
- 5) Technology of Database
- 6) Technology of Communication Network
- 7) Office Automation
- 8) Software Development
- 9) Application of Computer
- 10) Comparative Study
- 11) Presentation of Country Report
- 12) Individual or Small Group Study

5. FACILITIES AND INSTITUTIONS

Office of Government Information Systems Planning Division, Administrative Management Bureau, Management and Coordination Agency

6. REMARKS

1. PERIOD

May 14, 1992 to September 17, 1992 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fourteen (14)

3. QUALIFICATIONS

- 1) University graduates or have the equivalent knowledge in the field.
- 2) have one (1) to five (5) years experience in system development and maintenance, and have more than three (3) years programming experience in at least one of programming languages as COBOL, FORTRAN, PL/I,
- 3) Being able to make a programme in COBOL,
- 4) have experience in system design by using conventional files,
- 5) Under thirty-six (36) years of age, and
- 6) Having sufficient command of both spoken and written English

4. DESCRIPTION OF TRAINING

- | | |
|--|--|
| 1) Hardware Introduction | 12) Online Application System Design |
| 2) OS (Operating System) Introduction | 13) Data Communication Network Introduction |
| 3) Module Design | 14) System Development Outline |
| 4) Test Planning | 15) System Development Workshop |
| 5) Programme Structure Design | 16) Special Lecture |
| 6) Online Database System Introduction | 17) Introduction to Personal Computer |
| 7) Database Programming | 18) CASE (Computer Assisted Software Engineering) Introduction |
| 8) TSS (Time Sharing System) Usage | 19) Advanced Computer Technology |
| 9) JCL (Job Control Language) Usage | 20) Observation Tour |
| 10) Database Design | |
| 11) Online Programming | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 45

INFORMATION PROCESSING PERSONNEL 情報処理要員養成
(INSTRUCTOR) (インストラクター)

1. PERIOD

September 24, 1992 to March 14, 1993 (6 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eleven (11)

3. QUALIFICATIONS

- 1) University graduates with more than one (1) year experience in system development and maintenance or, be person with more than three (3) years experience in the field
- 2) Having more than three (3) years experience in programming in any one of programming languages: such as COBOL, FORTRAN, PL/I, etc., and being able to make a programme in COBOL
- 3) Person who will be a instructor of programmers
- 4) Under thirty-six (36) years of age
- 5) Having sufficient command of both spoken and written English

4. DESCRIPTION OF TRAINING

- | | |
|--|----------------------------------|
| 1) Hardware Introduction | 13) Test Planning |
| 2) OS (Operating System) Introduction | 14) System Development Workshop |
| 3) Data Communication Network Introduction | 15) Instructor Training I |
| 4) Module Design | 16) Instructor Training II |
| 5) System Development Outline | 17) Instructor Training III |
| 6) Personal Computer Introduction | 18) Instructor Training IV |
| 7) Online Database System Introduction | 19) Special Lecture |
| 8) Database Programming | 20) CASE Introduction |
| 9) TSS (Time Sharing System) Usage | 21) Advanced Computer Technology |
| 10) JCL (Job Control Language) Usage | 22) Observation Tour |
| 11) Database Design | |
| 12) Online Programming | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 46

INFORMATION PROCESSING PERSONNEL 情報処理要員養成
(MANAGEMENT) (マネージメント)

1. PERIOD

August 27, 1992 to October 23, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fourteen (14)

3. QUALIFICATIONS

- 1) University graduates with more than three (3) years experience in system development and maintenance or, have the equivalent background
- 2) Presently engaged in management and have less than one (1) year experience of data processing division management
- 3) Under forty-six (46) years of age
- 4) Having sufficient command of both spoken and written English

4. DESCRIPTION OF TRAINING

- 1) DP System Planning
- 2) Case Study
- 3) Project Management Game
- 4) DP Division Management
- 5) System Audit
- 6) Special Lecture
- 7) DSS (Decision Support System)
- 8) Word Processing
- 9) Observation Tour

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 47

INFORMATION PROCESSING PERSONNEL 情報処理要員養成
(PERSONAL COMPUTER PROGRAMMING (A)) (パーソナルコンピュータ・プログラミング(A))

1. PERIOD

April 23, 1992 to August 14, 1992 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates, or be person who has the equivalent knowledge in the field
- 2) Having a half year to two (2) years programming experience which includes programming in software packages, such as database, spreadsheet
- 3) Under thirty-one (31) years of age
- 4) Having sufficient command of both spoken and written English

4. DESCRIPTION OF TRAINING

- | | |
|-----------------------------------|----------------------------------|
| 1) Personal Computer Introduction | 8) System Development Workshop |
| 2) Wordprocessing (WORDPERFECT) | 9) Special Lecture |
| 3) Spreadsheet (Lotus 1-2-3) | 10) Case Study |
| 4) Database (dBASEIII Plus) | 11) Advanced Computer Technology |
| 5) BASIC Programming | 12) OSI and LAN Technology |
| 6) Test Planning Introduction | 13) Observation Tour |
| 7) System Design | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 48

INFORMATION PROCESSING PERSONNEL

情報処理要員養成

(PERSONAL COMPUTER PROGRAMMING (B))

(パーソナルコンピュータ・プログラミング(B))

1. PERIOD

August 6, 1992 to November 29, 1992 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirteen (13)

3. QUALIFICATIONS

- 1) University graduates, or be person who has the equivalent knowledge in the field,
- 2) Having a half (0.5) year to two (2) years programming experience which includes programming in software packages, such as database, spreadsheet
- 3) Be under thirty-one (31) years of age, and
- 4) Having sufficient command of both spoken and written English

4. DESCRIPTION OF TRAINING

- | | |
|-----------------------------------|----------------------------------|
| 1) Personal Computer Introduction | 8) System Development Workshop |
| 2) Wordprocessing (Word Perfect) | 9) Special Lecture |
| 3) Spreadsheet (Lotus 1-2-3) | 10) Case Study |
| 4) Database (dBASEIII PLUS) | 11) Advanced Computer Technology |
| 5) BASIC Programming | 12) OSI and LAN Technology |
| 6) Test Planning Introduction | 13) Observation Tour |
| 7) System Design | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 49

**INFORMATION PROCESSING PERSONNEL (SYSTEM ENGINEER (A))
FOR SENIOR SYSTEM ANALYST/DESIGNER)**

情報処理要員養成
(システム・エンジニア(A))

1. PERIOD

May 7, 1992 to August 17, 1992 (3.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates with more than three (3) years experience in system development or, have the equivalent background,
- 2) Having three (3) to seven (7) years' experience in system development and programming experience in at least one of programming languages such as COBOL, FORTRAN, PL/I,
- 3) Be a person who will be in charge of system analysis, system design or system evaluation,
- 4) Be under thirty-six (36) years of age, and
- 5) Having sufficient command of both spoken and written English

4. DESCRIPTION OF TRAINING

- | | |
|--|---|
| 1) System Development Outline | 11) Project Management Simulation |
| 2) System Analysis | 12) System Audit |
| 3) Application Program Design | 13) Special Lecture |
| 4) Program Structure Design | 14) Case Study |
| 5) Test Planning | 15) CASE (Computer Aided Software Engineering) Introduction |
| 6) Database Design | 16) Advanced Computer Technology |
| 7) Data Communication Network Design | 17) Observation Tour |
| 8) Reliable System Design | |
| 9) System Estimation/Evaluation | |
| 10) System Performance Design Simulation | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 50

INFORMATION PROCESSING PERSONNEL (SYSTEM ENGINEER (B))
FOR SENIOR SYSTEM ANALYST/DESIGNER)

情報処理要員養成
(システム・エンジニア(B))

1. PERIOD

October 22, 1992 to February 15, 1993 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) University graduates with more than three (3) years experience in system development or, have the equivalent background,
- 2) Having three (3) to seven (7) years' experience in system development and programming experience in at least one of programming languages such as COBOL, FORTRAN, PL/I,
- 3) Be a person who will be in charge of system analysis, system design or system evaluation,
- 4) Be under thirty-six (36) years of age, and
- 5) Having sufficient command of both spoken and written English

4. DESCRIPTION OF TRAINING

- | | |
|--|---|
| 1) System Development Outline | 11) Project Management Simulation |
| 2) System Analysis | 12) System Audit |
| 3) Application Programme Design | 13) Special Lecture |
| 4) Programme Structure Design | 14) Case Study |
| 5) Test Planning | 15) CASE (Computer Aided Software Engineering) Introduction |
| 6) Database Design | 16) Advanced Computer Technology |
| 7) Data Communication Network Design | 17) Observation Tour |
| 8) Reliable System Design | |
| 9) System Estimation/Evaluation | |
| 10) System Performance Design Simulation | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 51

INFORMATION PROCESSING PERSONNEL 情報処理要員養成
(DATABASE SYSTEM DESIGN (A)) (データベース・システム設計(A))

1. PERIOD

May 14, 1992 to October 15, 1992 (5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates, or be person who has the equivalent knowledge in the field,
- 2) Having one (1) to five (5) years experience in system development and maintenance, and having more than three (3) years programming experience in at least one of programming languages such as COBOL, FORTRAN, PL/I,
- 3) Being able to make a programme in COBOL,
- 4) Having experience in system design by using conventional files,
- 5) Be under thirty-six (36) years of age, and
- 6) Having sufficient command of both spoken and written English to take classes in English.

4. DESCRIPTION OF TRAINING

- | | |
|--|--|
| 1) File System Design | 12) Online Application System Design |
| 2) Module Design | 13) Database Recovery Design |
| 3) Online Database System Introduction | 14) Project Management |
| 4) TSS (Time Sharing System) Usage | 15) System Development Workshop |
| 5) JCL (Job Control Language) Usage | 16) Special Lecture |
| 6) Programme Structure Design | 17) Case Study |
| 7) Database Programming (NDB, RDB) | 18) Introduction to Personal Computer |
| 8) Database Design (NDB, RDB) | 19) CASE (Computer Assisted Software Engineering) Introduction |
| 9) Database Creation | 20) Advanced Computer Technology |
| 10) Test Planning | 21) Observation Tour |
| 11) Online Programming | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 52

INFORMATION PROCESSING PERSONNEL 情報処理要員養成
(DATABASE SYSTEM DESIGN (B)) (データベース・システム設計(B))

1. PERIOD

October 15, 1992 to March 28, 1993 (5.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirteen (13)

3. QUALIFICATIONS

- 1) University graduates, or be person who has the equivalent knowledge in the field,
- 2) Having one (1) to five (5) years experience in system development and maintenance, and having more than three (3) years programming experience in at least one of programming languages such as COBOL, FORTRAN, PL/I,
- 3) Being able to make a programme in COBOL,
- 4) Having experience in system design by using conventional files,
- 5) Be under thirty-six (36) years of age, and
- 6) Having sufficient command of both spoken and written English.

4. DESCRIPTION OF TRAINING

- | | |
|--|--|
| 1) File System Design | 12) Online Application System Design |
| 2) Module Design | 13) Database Recovery Design |
| 3) Online Database System Introduction | 14) Project Management |
| 4) TSS (Time Sharing System) Usage | 15) System Development Workshop |
| 5) JCL (Job Control Language) Usage | 16) Special Lecture |
| 6) Programme Structure Design | 17) Case Study |
| 7) Database Programming (NDB, RDB) | 18) Introduction to Personal Computer |
| 8) Database Design (NDB, RDB) | 19) CASE (Computer Assisted Software Engineering) Introduction |
| 9) Database Creation | 20) Advanced Computer Technology |
| 10) Test Planning | 21) Observation Tour |
| 11) Online Programming | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 53

INFORMATION PROCESSING PERSONNEL 情報処理要員養成
(ONLINE SYSTEM DESIGN (A)) (オンライン・システム設計(A))

1. PERIOD

May 7, 1992 to October 10, 1992 (5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent knowledge in the field
- 2) Having one (1) to five (5) years, experience in system development and maintenance, and having more than three (3) years, programming experience in at least one of the programming languages such as COBOL, FORTRAN, PL/I,
- 3) Being able to make a programme in COBOL,
- 4) Having experience in system design in batch processing system,
- 5) Not be over thirty-five (35) years of age
- 6) Proficient in spoken and written English.

4. DESCRIPTION OF TRAINING

- | | |
|--|---|
| 1) Module Design | 13) Reliable System Design |
| 2) Programme Structure Design | 14) Data Communication Network Design |
| 3) Online Database System Introduction | 15) System Configuration Design Workshop |
| 4) Database Programming | 16) Project Management |
| 5) TSS (Time Sharing System) Usage | 17) System Development Workshop |
| 6) JCL (Job Control Language) Usage | 18) Special Lecture |
| 7) Database Design | 19) Introduction to Personal Computer |
| 8) Online Programming | 20) Case Study |
| 9) Test Planning | 21) CASE (Computer Aided Software Engineering) Introduction |
| 10) Online Application System Design | 22) Advanced Computer Technology |
| 11) Online System Definition | 23) Observation Tour |
| 12) System Estimation/Evaluation | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

1. PERIOD

October 8, 1992 to March 25, 1993 (5.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent,
- 2) Having one (1) to five (5) years experience in system development and maintenance, and having more than three (3) years programming experience in at least one of programming languages such as COBOL, FORTRAN, PL/I,
- 3) Being able to make a programme in COBOL,
- 4) Having experience in system design in batch processing system,
- 5) Not be over thirty-five (35) years of age, and
- 6) Proficient in spoken and written English.

4. DESCRIPTION OF TRAINING

- | | |
|--|--|
| 1) Module Design | 13) Reliable System Design |
| 2) Programme Structure Design | 14) Data Communication Network Design |
| 3) Online Database System Introduction | 15) System Configuration Design Workshop |
| 4) Database Programming | 16) Project Management |
| 5) TSS (Time Sharing System) Usage | 17) System Development Workshop |
| 6) JCL (Job Control Language) Usage | 18) Special Lecture |
| 7) Database Design | 19) Case Study |
| 8) Online Programming | 20) Introduction to Personal Computer |
| 9) Online Application System Design | 21) CASE (Computer Aided Software Engingeing) Introduction |
| 10) Online System Definition | 22) Advanced Computer Technology |
| 11) Test Planning | 23) Observation Tour |
| 12) System Estimation/Evaluation | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

INFORMATION PROCESSING PERSONNEL
(PERSONAL COMPUTER NETWORK)

情報処理要員養成
(パーソナル・コンピュータ・ネットワーク)

1. PERIOD

November 19, 1992 to March 28, 1993 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) be university graduates or have the equivalent knowledge in the field,
- 2) have one (1) to five (5) years experience in system development and maintenance, and have more than three (3) years programming experience in at least one of programming languages such as BASIC, COBOL, FORTRAN, etc.
- 3) Under thirty-six (36) years of age
- 4) have sufficient command of both spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Personal computer introduction
- 2) Wordprocessing
- 3) Spreadsheet
- 4) Database
- 5) Language C
- 6) PC LAN System Design
- 7) Micro-Mainframe Connection Design
- 8) Test Planning
- 9) UNIX System Usage
- 10) PC Network System Design
- 11) System Development Workshop
- 12) CASE
- 13) Special Lecture
- 14) Observation Tour

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

1. PERIOD

November 26, 1992 to March 6, 1993 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

Applicants should:

- 1) be design or development engineers who have experienced more than 3 years of developing and designing software or hardware for personal computer or microprocessor.
- 2) be under 35 years of age.
- 3) be university or college graduate who has majored in electricity, electronics and information processing, and have studied within the past 10 years.
- 4) be able to operate DOS (Disc Operating System) and Text Editor of personal computers.
- 5) have experience in developing programs by using C-language or assembly language.
- 6) have experience in designing and developing digital circuits or print circuited board.
- 7) have a sufficient command both of spoken and written English.
 - i) be able to understand fully lectures, practices and experiments, and take part in discussions.
 - ii) have enough ability to express fully yourself in writing, and understand high-level materials.
- 8) be in good health, both physically and mentally, to pursue the study. Pregnancy is regarded as disqualified.

4. DESCRIPTION OF TRAINING

- 1) Lectures:
 - Microcomputer I (Application for 8 bit microcomputer)
 - Microcomputer II (High-end microprocessor)
 - Interface techniques
 - Data structure and software techniques
 - Assembly language and C-language
- 2) Exercises and Experiments
 - Assembling microcomputers
 - Operating microcomputers and debugging
 - Practical technologies of interfaces
 - Controlling peripherals
 - C-language
 - Operations of host computers
 - Computer networks
 - Logic simulation
 - Designing PLD
- 3) Practical training will be put into practice for one or two weeks in the related agencies and institutions
- 4) Observations

5. FACILITIES AND INSTITUTIONS

Sapporo Electronics Center

6. REMARKS

1. PERIOD

August 13, 1992 to November 8, 1992 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) University graduates from department of engineering or the equivalent, and majored in information engineering, system engineering or electronics,
- 2) Those who have experience of at least 3 years in the related field, and are presently engaged in office automation operation,
- 3) Under 30 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Information intensive society and business management
 - Business administration and office automation (Introduction and propagation of automatically controlled office work)
 - Theory of office automation
 - Designing office automation by computers
 - Practical training of system design
 - Integrated office automation and information technology
 - Concept of integrated OA, On-line network, Data-base management
 - Integrated office automation and human interface
 - System approach to support intellectual creativity
 - Development of consumer-oriented system
 - System approach and utilization of 4th generation language
 - System supervision and security
 - Human resources development for office automation
 - Development of future office automation (DSS, SIS, EIS)
- 2) Observations and study tours
 - OA in design, OA in manufacture, OA in distribution
 - Case study will include observation of examples of office automation in various fields

5. FACILITIES AND INSTITUTIONS

Kansai Institute of Information Systems

6. REMARKS

PUBLIC UTILITY WORKS

WATER SUPPLY ENGINEERING II 上水道施設 II

1. PERIOD

May 11, 1992 to August 7, 1992 (3 months) Twelve (12)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 26 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Water supply planning
 - Water works management
 - Water purification and quality
 - Pipeline
 - Mechanical and electrical installation
 - Personal programme
 - Financial cooperation
 - Technical cooperation
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Health and Welfare
- 2) Japan Water Works Association
- 3) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

SEWAGE WORKS ENGINEERING 下水道技術

1. PERIOD

August 18, 1992 to November 18, 1992 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) More than three years of practical experience
- 4) Good working knowledge of English
- 5) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Basic concept of sewage works
 - Collection system
 - Wastewater treatment
 - Sludge handling
 - Case study
 - Water quality analysis
 - Industrial wastewater and its management
 - Practice on Master Plan making
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) City Bureau, Ministry of Construction
- 2) Japan Sewage Works Agency
- 3) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

SOLID WASTE MANAGEMENT AND NIGHT SOIL TREATMENT II 廃棄物処理 II

1. PERIOD

May 19, 1992 to July 23, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) be technical officials presently in charge of solid waste management (domestic and industrial solid waste management and night soil treatment excluding sewerage system) in central or provincial governments or in local bodies, with three (3) or more years of experience in this field,
- 2) be university graduates or possess equivalent technical qualifications in this field,
- 3) have a sufficient command of spoken and written English,

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Introduction
 - Planning of solid waste management
 - Solid waste collection and transportation
 - Solid waste disposal and treatment
 - Night soil treatment
 - Industrial waste management
 - JICA's activities in the solid waste management field
- 2) Observation tours
- 3) Country report

5. FACILITIES AND INSTITUTIONS

- 1) Environmental Health Bureau, Ministry of Health and Welfare
- 2) Japan Environmental Sanitation Centre

6. REMARKS

1. PERIOD

January 11, 1993 to April 25, 1993 (3.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) be university graduates or equivalent academic backgrounds
- 2) be technical engineers/administrators who have three or more years of experience in solid waste management and/or equivalent technical knowledge
- 3) be not more than 40 years of age
- 4) have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- | | |
|---|---|
| <ol style="list-style-type: none"> 1) Technical Training on Household Refuse Treatment <ul style="list-style-type: none"> - Outline of Solid Waste Management (SWM) in Japan and Kitakyushu - Administrative framework of the SWM system - Practical training on household refuse treatment - Practical training on waste analysis - Time and motion study of waste collection process 2) Strategies for Public Awareness Building on SWM <ul style="list-style-type: none"> - Countermeasures to prevent scattering of solid wastes - NGO's activities for beautification of the city 3) Technical Training on Night-Soil Treatment <ul style="list-style-type: none"> - Outline of night-soil treatment in Kitakyushu - Outline of the septic tank method for wastewater treatment - Practical training on night-soil treatment and septic tank techniques 4) Administrative Framework of Industrial SWM <ul style="list-style-type: none"> - Historical overview and legislative framework of industrial SWM in Japan/Kitakyushu - State of the art of industrial SWM in Kitakyushu - Long-term problems/issues in industrial SWM 5) Technical Training on Industrial Waste Processing <ul style="list-style-type: none"> - Outline of industrial waste processing methods | <ul style="list-style-type: none"> - Practical training on processing techniques for various industrial wastes <ol style="list-style-type: none"> 6) Practical Training on SWM Produces in Local Governmental Enterprises <ul style="list-style-type: none"> - SWM at water-supply plants - SWM at sewage works 7) Lectures and Training on Hazardous Wastes Management <ul style="list-style-type: none"> - Health effects of hazardous wastes - Toxicities and characteristics of chemical substances including heavy metals, organic compounds, asbestos, and other related substances 8) Technical Training on Landfilling of Solid Wastes <ul style="list-style-type: none"> - Basic theory of landfill techniques for solid wastes - Practical training on landfill site management - Construction technology of waste reclamation sites - Environmental impact assessment before the construction of waste reclamation sites 9) Lecture and Training on Ocean Dumping of Wastes <ul style="list-style-type: none"> - Outline of administrative framework on anti-maritime pollution control in Japan - Practical training on ocean dumping of nutrient-bearing wastes |
|---|---|

5. FACILITIES AND INSTITUTIONS

- 1) Kitakyushu City Government
- 2) The University of Occupational and Environmental Health, Japan
- 3) Kitakyushu University
- 4) Fukuoka University, etc.

6. REMARKS

TRANSPORTATION AND TRAFFIC

1. PERIOD

January 21, 1993 to March 3, 1993 (1.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Engaged in the field of motor vehicles' administration for safety and pollution control of vehicle construction
- 3) Occupy a responsible position at present in the governmental or public organization
- 4) Good working knowledge of English
- 5) Under 50 years of age

4. DESCRIPTION OF TRAINING

- | | |
|---|--|
| <ol style="list-style-type: none"> 1) System of Automobile Engineering Administration in Japan <ol style="list-style-type: none"> a. Outline of legal system of motor vehicle in Japan b. Motor vehicle safety and pollution control regulations c. System of motor vehicle maintenance and repair <ul style="list-style-type: none"> Motor vehicle periodical checking. Motor vehicle maintenance and repair business, Certification system for motor vehicle maintenance and repair mechanics etc. Training school for motor vehicle maintenance and repair mechanics d. System of motor vehicle registration <ul style="list-style-type: none"> System of motor vehicle registration centre Practical business of registration e. System of motor vehicle inspection <ul style="list-style-type: none"> System of inspection Equipments for inspection Practical business of inspection f. Regulations for road transport business g. System of transport operations management and reporting serious traffic accidents h. System of motor vehicle liability insurance i. System of driver's licence | <ol style="list-style-type: none"> 2) Study on motor vehicle safety and pollution control techniques <ol style="list-style-type: none"> a. Present situation of motor vehicle safety and pollution control <ul style="list-style-type: none"> The Traffic Safety and Nuisance Research Institute Japan Automobile Research Institute 3) Standards and production activities on motor vehicles <ol style="list-style-type: none"> a. Standards of motor vehicles b. Present situation of productive activities at the motor vehicle manufacturers 4) Road Service, Aptitude diagnosis for motor transport companies' drivers and traffic control <ol style="list-style-type: none"> a. Road service, Japan Automobile Federation b. Adequacy of drivers, National Organization for Automotive Safety and Victims' Aid (OSA) c. Traffic control, Traffic Control Centre 5) Country report <ol style="list-style-type: none"> a. Presentation and discussion 6) Study Tours – Outside Tokyo (4 days) |
|---|--|

5. FACILITIES AND INSTITUTIONS

- 1) Automobile Inspection & Registration Association (AIRA)
- 2) Regional Transport Bureau, Ministry of Transport
- 3) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

No. 63

MODERNIZATION OF PHYSICAL DISTRIBUTION (Cargo Transport) 物流近代化

1. PERIOD

April 16, 1992 to June 21, 1992 (2.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) be currently engaged in the field of physical distribution (cargo transport, especially land transport) at governmental or public organizations, with three (3) years or more of experience in this field,
- 2) be university graduates or equivalent,
- 3) not be engaged in the field of road construction and management, traffic survey and control and passenger transport,
- 4) be proficient in spoken and written English, Experience has shown that many participants find themselves unable to make progress in their training because of inadequate knowledge of English.

4. DESCRIPTION OF TRAINING

- 1) Lectures and Observation
 - Major Subjects
 - Transport Policy
 - Cargo Transport
 - Railway
 - Truck
 - Air
 - Ship
 - Related Subjects
 - Air Cargo Terminal
 - Truck Terminal
 - Storing (Warehouse)
 - Storing Facility
 - Packaging
 - Packaging Machine
 - Port Facility / Warf
 - Department Store
 - Vehicle Inspection System

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Transport
- 2) Universities and public institutes
- 3) Related industries

6. REMARKS

1. PERIOD

September 17, 1992 to November 8, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Engaged in highway construction or maintenance
- 3) Occupational experience of more than 2 years
- 4) Under 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Roads and road legislation in Japan
 - Road planning
 - Administration and maintenance of roads
 - Pavement work
 - Structure of bridges
 - Construction machinery
 - Traffic safety
 - Road traffic pollution and protection of the road environment
- 2) Observation tours
 - Road Traffic Information Centre
 - Metropolitan Expressway Public Corporation
 - Public Works Research Institute
 - Construction Sites
 - Kansai district
- 3) Presentation of country reports and discussions

5. FACILITIES AND INSTITUTIONS

- 1) Road Bureau, Ministry of Construction
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

1. PERIOD

October 1, 1992 to November 28, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduate or equivalent
- 2) Experience in the field of Urban Road Maintenance more than three years
- 3) presently engaged in the fields of urban planning and urban management
- 4) under forty (40) years of age

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Planning, maintenance of urban terminal facilities
 - Design method of urban terminal facilities
 - Integral management of urban terminal facilities
- 2) Observation tours
- 3) Practical training

5. FACILITIES AND INSTITUTIONS

- 1) City Bureau, Ministry of Construction
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

1. PERIOD

July 14, 1992 to October 4, 1992 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) Persons who have been engaging in rolling stock engineering for more than 2 years with more than 7 years of practical experience in the field of railway engineering
- 2) Graduate of university, college, or a technical school of equal standing,
- 3) be under forty (40) years of age,
- 4) have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Outline of Japanese rail transport
- 2) Outline of rolling stock
- 3) Management of rolling stock
- 4) Maintenance of rolling stock
- 5) Materials
- 6) Operation and safety systems
- 7) Safety management (accident and prevention)
- 8) New transport systems
- 9) Development of rolling stock
- 10) Manufacturing of rolling stock and components
- 11) Manufacturing of electrical equipment components
- 12) Manufacturing of rolling stock components

5. FACILITIES AND INSTITUTIONS

- 1) Railway Bureau, Ministry of Transport
- 2) Japan Railways Group (JR Group)
- 3) Japan Rolling Stock Exporters' Association (JARSEA)
- 4) Japan Association of Rolling Stock Industries
- 5) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

1. PERIOD

October 13, 1992 to December 20, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) Be presently engaged, or expected to be engaged in the near future, in planning and management work in railway electrification
- 2) Be university graduates or equivalent who majored in electrical engineering
- 3) Have more than five (5) years of practical experience
- 4) Be under 40 years of age
- 5) Have good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lecture
 - Planning of railway electrification
 - Effects and economy by electrification
 - Equipments for electric traction and maintenance of them
 - Performance and maintenance of electric rolling stocks
 - Improvement of railway tracks
 - Planning of railway operation
- 2) Field study (observation)
 - Electrification project site
 - Replacement work of electric equipments
 - Power sources facilities and substations
 - Comprehensive inspection car
 - Traction facilities of private railways
 - Manufacturing plants of electric equipments

5. FACILITIES AND INSTITUTIONS

- 1) Railway Bureau Ministry of Transport
- 2) Japan Railways Group (JR Group)
- 3) Railway Electrical Engineering Association of Japan
- 4) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

1. PERIOD

February 2, 1993 to March 7, 1993 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) University graduate or equivalent
- 2) Chief or director level being engaged in planning or administrative division in the field of railway management
- 3) More than 5 years of practical experience in this field
- 4) Under 40 years old
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Outline of Railway in Japan
- 2) Outline of JR Group
- 3) Outline of Private Railways
- 4) The Fare System
- 5) The Facility Investment Project
- 6) Activation and Modernization of Railway
- 7) The Financial Affairs of the Railways

5. FACILITIES AND INSTITUTIONS

- 1) Railway Bureau Ministry of Transport
- 2) Japan Railways (JR) Group

6. REMARKS

No. 69

RAILWAY SIGNAL, TELECOMMUNICATION AND INFORMATION
SYSTEM ENGINEERING 鉄道情報システム

1. PERIOD
January 11, 1993 to April 2, 1993 (3 months)
2. NUMBER OF PARTICIPANTS TO BE RECEIVED
Seven (7)
3. QUALIFICATIONS
 - 1) be railway signal engineering officials with more than five (5) years of practical experience,
 - 2) be presently engaged or expected to be engaged in the near future, in planning and administration work in the field of Signal Engineering,
 - 3) be university or college graduates or have the equivalent educational backgrounds,
 - 4) have a sufficient command of spoken and written English,
 - 5) be not more than forty (40) years of age
4. DESCRIPTION OF TRAINING
 - 1) Management
 - Signal Engineering in General
 - Railway Telecommunication in General
 - Planning of Development
 - Maintenance
 - 2) Basic Signal System
 - Fundamental
 - Switch Point
 - Track circuit
 - Blocking System
 - Interlocking
 - 3) Safety System and Others
 - Relay Interlocking and Electronic Interlocking
 - Automatic Train Stop System (ATS) and Automatic Train Control System (ATC)
 - Centralized Traffic Control System
 - Electronic Block System
 - Railway Traffic Control System
 - Dispatcher Information System
 - Railway Telecommunication
5. FACILITIES AND INSTITUTIONS
 - 1) Railway bureau, Ministry of Transport
 - 2) Japan Railway Group (JR Group)
 - 3) Japan Association of Signal Industries
 - 4) Signal Manufacturers
 - 5) Tokyo International Centre (Hatagaya), JICA
6. REMARKS

1. PERIOD

November 5, 1992 to December 16, 1992 (1.5 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Governmental or other public officials who are in managerial or leading positions in administrative organization and/or training institution for seafarers
- 3) Between 25 and 45 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Labour Management of Seafarers
 - Standards of Labour Management
 - Actual Labour Control in Occangoing Vessels
 - Seafarer Salaries and Unions
- 2) Administration of and Certification System for Seafarers
 - Administration System
 - Certification System
 - National Examination System for Ship's Officers
- 3) Educational System for Seafarers
 - Educational System I
 - Educational System II
 - Study Tours to Institutions, Training Ship for Seafarer Education and Training Center owned by Oceangoing Shipping Company, etc.
- 4) Circumstances of Japanese Shipping
 - Modernization of the Labour Control System
 - Current State and issues of the Mixed-Manning System

5. FACILITIES AND INSTITUTIONS

- 1) Maritime Technology and Safety Bureau, Ministry of Transport
- 2) Maritime International Cooperation Centre of Japan
- 3) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

MARINE TECHNIQUE (NAVIGATOR) 航海技術(航海士)

1. PERIOD

June 25, 1992 to December 11, 1992 (5.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) in possession of the certificate of Third or higher Grade Maritime Officer (Officer) with more than one year of seetime, or those who have the equivalent knowledge and experience engaged in official affairs or education for maritime with more than one year.
- 2) male, between twenty five (25) and thirty five (35) years of age,
- 3) proficient in spoken and written English. Experience has shown that many participants find themselves unable to make progress in their training because of inadequate knowledge of English.
- 4) in good health both physically and mentally to undergo the course of training, and
- 5) presumed to contribute to fostering mercantile officials or instructors who will play a leading role in this field in their respective countries.

4. DESCRIPTION OF TRAINING

Common Subjects

- | | |
|---|---|
| 1. Terrestrial and Celestial Navigation | 12. Ship Engineering |
| 2. Nautical Instruments | 13. Computer Mathematics |
| 3. Ship Maintenance | 14. Computer and Information Science |
| 4. Ship Maneuvering and Marine Accident | 15. Computer Practice |
| 5. Ship Cargo Handling | 16. Fundamentals of Physical Science |
| 6. Safety Management | 17. Fundamentals of Chemical Science |
| 7. Watch Keeping | 18. Fundamentals of Maritime Management |
| 8. Naval Architecture | 19. Bridge Simulator Training |
| 9. Marine Meteorology | 20. Radar Simulator Training |
| 10. Navigational Regulations | 21. Practice on Board |
| 11. Maritime Law | 22. Visiting Factories |

Seminar at Laboratory
(Special Lecture, Professional Subjects)

One will belong to the laboratory in charge of the subjects which one takes interest in or wants to study more deeply, including how to teach. The first and the second preference can be acceptable for selecting the subject. Subjects available are following:

Please write down your choice in the Country Report you submit.

- Simulator Training
- Nautical Instruments
- Marine Meteorology
- Navigational Regulations
- Loading Calculation
- Maritime Law and Forms of Carriage of Goods

5. FACILITIES AND INSTITUTIONS

Marine Technical College

6. REMARKS

MARINE TECHNIQUE (ENGINEER) 航海技術 (機関士)

1. PERIOD

June 25, 1992 to December 11, 1992 (5.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) in possession of the certificate of Third or higher Grade Maritime Officer (Engineer) with more than one year of seetime, or those who have the equivalent knowledge and experience engaged in official affairs or education for maritime with more than one year.
- 2) male, between twenty five (25) and thirty five (35) years of age,
- 3) proficient in spoken and written English. Experience has shown that many participants find themselves unable to make progress in their training because of inadequate knowledge of English.
- 4) in good health both physically and mentally to undergo the course of training, and
- 5) presumed to contribute to fostering mercantile officials or instructors who will play a leading role in this field in their respective countries.

4. DESCRIPTION OF TRAINING

Common Subjects

- | | |
|--|---|
| 1. Boiler | 11. Computer |
| 2. Steam Turbine Engine | 12. Marine Propulsion System based on Energy Flow |
| 3. Diesel Engine (Gas Turbine) | 13. Engine Room Simulator Training |
| 4. Propeller and Shafting | 14. Maritime Laws and International Conventions |
| 5. Auxiliary Machinery | 15. Ship's Survey Inspection |
| 6. Electrical Engineering | 16. Safety Management |
| 7. Automatic Control | 17. Practice on Board |
| 8. Instrumentation | 18. Visiting Factories |
| 9. Fuel Oil and Lubricant | |
| 10. Thermodynamics, Hydrodynamics, Mechanics and Materials | |

Seminar at Laboratory
(Special Lecture, Professional Subjects)

One will belong to the laboratory in charge of the subjects which one takes interest in or wants to study more deeply, including how to teach. The first and the second preference can be acceptable for selecting the subject. Subjects available are following:

Please write down your choice in the Country Report you submit.

Steam Plant	Instrumentation
Internal Combustion Engine	Information Engineering
Electrical Engineering	Engine Room Simulator
Auxiliary Machineries	Propulsion
Automatic Control	

5. FACILITIES AND INSTITUTIONS

Marine Technical College

6. REMARKS

AIDS TO MARINE NAVIGATION II 航路標識 II

1. PERIOD

August 20, 1993 to October 24, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) High school graduates or the equivalent with a sufficient knowledge of physics
- 2) Middle-class officers in the maintenance and management of aids to marine navigation
- 3) Under 45 years of age
- 4) Have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - a) Administration of Aids to Marine Navigation and Related Activities
 - (1) Marine Traffic in Japan
 - (2) Maritime Safety Activities in Japan
 - (3) Outline of Administration in Aids to Navigation Service
 - (4) Training System of the Officers engaged in Aids to Marine Navigation Services
 - (5) Related Issues in International Organizations
 - b) Systems of Aids to Marine Navigation
 - (1) Planning and Design of Visual Aids System
 - (2) Planning and Design of Radio Aids System
 - (3) Outline of Vessel Traffic Service (VTS)
 - (4) Outline of Satellite Navigation System
 - c) Theories and System Engineering of Aids to Marine Navigation
 - (1) Theories of Visual Aids to Navigation
 - (2) Natural Energy as Power Sources for Aids to Navigation
 - (3) Engineering for Floating Aids
 - (4) Engineering for Construction
 - (5) Engineering for Micro Wave Equipment
 - (6) Monitoring and Control for Aids to Marine Navigation
- 2) Observations
 - a) Maritime Transportation in Tokyo Bay
 - b) Vessel Traffic Service Center
 - c) Buoy Base
 - d) Maritime Safety School
 - e) Research Center of Maritime Safety Agency
- 3) Practices
 - a) Equipment of Visual Aids
 - b) Power Source
 - c) Aids to Navigation Office
- 4) Discussion
 - a) Country Report Presentation
 - b) Question and Answer Session

5. FACILITIES AND INSTITUTIONS

- 1) Aids to Navigation Department, Marine Safety Agency, Japan
- 2) Japan Association for Aids to Navigation (JANA)
- 3) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

MARINE DISASTER PREVENTION AND RESCUE OPERATION

救難防災

1. PERIOD

September 8, 1992 to December 11, 1992 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) University graduates or equivalent with occupational experience of more than five (5) years in the field of marine disaster prevention and, search and rescue operation
- 2) Those who are presently engaged in the above-mentioned field
- 3) Under forty (40) years of age
- 4) A sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - organization and function of JMSA,
 - International maritime search and rescue activities under the International Convention on Maritime Search and Rescue, 1979,
 - maritime search and rescue systems in Japan,
 - maritime search and rescue operations,
 - case studies of maritime search and rescue operations,
 - Method on rescue of capsized and grounded ships
 - Global Maritime Distress and Safety System (GMDSS),
 - information collection system of JMSA,
 - prevention of marine pollution system,
 - JMSA' activities on Marine Disaster Prevention,
- 2) Practice
 - experimental sail on a JMSA's fire fighting vessel or craft,
 - work on marine disaster prevention,
 - experimental sail on a JMSA's patrol vessel,
 - experimental fly in a JMSA's aircraft (observation of Special Rescue Station),
 - rescue training including special rescue,
- 3) Observation and Study Tour
 - training of Special Rescue Team and patrol vessels with improved rescue capability of JMSA
- 4) Discussion

5. FACILITIES AND INSTITUTIONS

- 1) Japan Maritime Safety Agency (JMSA)
- 2) The 5th Regional Maritime Headquarters
- 3) Maritime Safety Academy
- 4) Disaster Prevention Training Centre

6. REMARKS

1. PERIOD

May 12, 1992 to June 26, 1992 (1.5 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) be university graduates or have the equivalent academic background,
- 2) have occupational experience of more than 3 years in shipping business, and be asked to acquire basic knowledge of the liner shipping business,
- 3) be presently engaged in shipping authorities or business,
- 4) be under thirty-five (35) years of age,
- 5) have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Presentation and Discussion of Country Report
- 2) Lectures
 - a) Governmental Administration for Shipping
 - Shipping Policy of Japan
 - Present Condition of Container Terminals in Japan
 - Shipping Management
 - b) Maritime Law
 - Ocean Carrier's Liability
 - Charter Party and Maritime Arbitration
 - Cargo Claim
 - c) Ship's Operation Business
 - Liner Shipping Service of the World
 - Liner Ship's Operation Business and Shipping Conference
 - Activities of Japan Shippers' Council
 - Containerization in the Shipping Field
 - Container Management
 - Purchasing and Leasing of Container
 - Container Terminal Operation
 - International Combined Transportation
 - Profitability Calculation in Building New Vessel
 - d) Others
 - Marine Insurance (Hull and Liability)
 - Innovation of Container Vessel
- 3) Practical Study
- 4) Observation and Study Tour
- 5) Study Report

5. FACILITIES AND INSTITUTIONS

- 1) The Maritime International Cooperation Center of Japan (MICC)
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

1. PERIOD

September 29, 1992 to November 28, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seventeen (17)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Be presently engaged or will be engaged in the administrative work and/or management
- 3) Occupational experience of more than 8 years in the field of ports and harbours
- 4) Between 30 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Introduction to Ports and Harbours in Japan
 - Planning Development Policy of Ports and Harbours
 - International Cooperation in Ports and Harbours
 - Management and Operation of Ports and Harbours
- 2) Case Study
- 3) Presentation of Country Report
- 4) Observation Trips

5. FACILITIES AND INSTITUTIONS

- 1) Bureau of Ports and Harbours, Ministry of Transport
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

1. PERIOD

May 12, 1992 to September 20, 1992 (4.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) be presently engaged in civil engineering
- 3) Occupational experience of more than 3 years
- 4) Under 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Outline of ports and harbours in Japan
 - Planning techniques of ports and harbours
 - Design techniques of port and harbour facilities
 - Execution techniques of port and harbour works
 - Basic theory of port and harbour engineering
- 2) Exercise
 - Design of port and harbour facilities
 - Planning of ports and harbours
- 3) Intensive study of harbour works at Onahama Port
- 4) Presentation of country reports and discussion
- 5) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ports and Harbours Bureau, Ministry of Transport
- 2) Ports and Harbours Research Institute
- 3) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

1. PERIOD

January 19, 1993 to March 14, 1993 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent with more than 8 years of occupational experience in the field of ports and harbours
- 2) Engaged in the field of development and/or management of container terminal
- 3) Between 30 and 45 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING**(A) Containerization and development of container terminals. (lecture)**

1. Outline of ports in Japan
2. Present situation and future plan of container terminals in Japan
3. Maintenance and Management of Container Terminal
4. International Maritime Container Transport System
5. Future prospect of containerization in development countries
6. Shipnets System
7. Container ship, container handling equipment
8. Selecting ports of calls viewed from standpoint of ship owners
9. Future Trends of the Automatic Operation in Terminal
10. Outline of International Cooperation in the field of Ports and Harbours

(B) Method of planning container terminals. (lecture and exercise)

1. Stochastic method of demand for containerization
2. Deale assessment method of container facilities
3. Layout and design condition of container terminals
4. Exercises of container terminal planning

(C) Intensive study on the management and maintenance of container terminals --- at Kobe Port.

1. History of containerization and Management of container terminal
2. Outline of container terminal
3. Operation of container yard
4. Container movement in Kinki District
5. Management of public berth
6. Maintenance of container terminal I
7. Maintenance of container terminal II
8. Outline of custom service
9. Observation of quarry
10. Maintenance of container ships
11. Maintenance of cargo handling equipment
12. Container terminals computerization
13. Business activities relating to import and export using container
14. Education for port labourers

(D) Country Report Presentation**(E) Orientation**

1. Ministry of Transport
2. Kobe city

(F) Observation of major container terminals --- Terminal operation, container terminal computer system, public berth, hinterland of container terminal, container cargo, inland depot

Tokyo, Yokohama, Shimizu, Nagoya, Osaka, Kobe, Naha

5. FACILITIES AND INSTITUTIONS

- 1) Ports and Harbours Bureau, Ministry of Transport
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

1. PERIOD

August 25, 1992 to October 5, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) university graduates or having an equivalent academic background in civil engineering
- 2) currently employed by their government or by public authorities for civil aviation as airport civil engineers or newly-appointed personnel who will manage airport civil engineering matters
- 3) having more than 3 years of occupational experience in the field of airport civil engineering such as in airport planning, airport construction, or maintenance
- 4) under 40 years of age

4. DESCRIPTION OF TRAINING

I. Lectures

(1) General

Civil aviation in general

Japanese transportation and transportation administration systems
Actual situation of air transport industry in Japan
Function of Japanese aviation administration and its present condition
Aviation demand in Japan
International Cooperation in civil aviation
Aviation weather services today

Airports in general

Airport administration and operation systems
Administration and operation of terminal buildings
Security measures at airports
Improvement measures for airport environment

(2) Airport technology

Airport Planning

System of airport improvement and demand forecast
Basic plan of airports (location, scale and basic facilities)
Airport planning from the standpoints of users
Airport plan (basic plan for terminal area)
Airport plan (planning for passenger terminal)
Airport plan (planning for airport security facilities)

Design and construction of airports

Design and construction of airport civil engineering facilities
Design and construction of airport lighting systems

Orientation Lectures about observations

Tokyo International Airport
New Tokyo International Airport
Ports and Harbour Research Institute

II. Observations

Tokyo Air Traffic Control Division
New Tokyo International Airport
Tokyo International Airport
Osaka Airport
Port and Harbour Research Institute
Kansai International Airport
Local Airports and others

III. Country Report Presentation

Presentation and Discussion of Country Reports submitted by participants

5. FACILITIES AND INSTITUTIONS

- 1) Civil Aviation Bureau, Ministry of Transport
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

1. PERIOD

January 28, 1993 to March 3, 1993 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fourteen (14)

3. QUALIFICATIONS

- 1) University graduates, or equivalent with occupational experience of more than 5 years in the field of civil aviation such as airport management and aviation security
- 2) Presently engaged in airport management and aviation security in the government organization or the public authorities
- 3) Under 45 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

1) Lectures

a) Civil Aviation in Japan

b) International Measures for Aviation Security

- Outline of Unlawful Acts Against Civil Aviation in the World
- International Treatment to Prevent Acts of Unlawful Interference Against Civil Aviation
- International Measures to Prevent Acts of Unlawful Interference Against Civil Aviation

c) Countermeasures for Aviation Security in Japan

- Organization for the Prevention of Unlawful Acts Against Civil Aviation in Japan
- Countermeasures to Prevent Acts of Unlawful Interference Against Civil Aviation in Japan
- Management of Response to Acts of Unlawful Interference in Japan

d) Security Control Systems

- Preventive Measures by Air Carriers Against Acts of Unlawful Interference
- Manuals for Security Control
- Training of Aviation Security Personnel
- Outline of Equipment and Its Development

2) Country Report

3) Observation

5. FACILITIES AND INSTITUTIONS

- 1) Civil Aviation Bureau, Ministry of Transport
- 2) Japan Transport Consultants Association
- 3) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

SEMINAR ON AIR TRAFFIC CONTROL 航空管制セミナー

1. PERIOD

June 2, 1991 to July 17, 1992 (1.5 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) be university graduates or have an equivalent academic background,
- 2) be currently employed by their government or by public authorities (Military personnel in service excluded.)
- 3) be engaged in managerial activities of Air Traffic Control and have occupational experience of not less than 3 years in the field of Air Traffic Control, or be engaged in administrative work in the field of Air Traffic Services together with previous occupational experience in Air Traffic Services.
- 4) have a sufficient command of spoken and written English.
- 5) be under forty-five (45) years of age.

4. DESCRIPTION OF TRAINING

- 1) Lectures:
 - Civil Aviation and Transportation (Policy of Transportation, Administrative System, and Present Situation Aviation Statistics and Chronological Budget Flow)
 - Air Traffic Services at present and in the Future (Air Navigation Aids, Operation & Flight Inspection Services, ATS planning, Flight Inspection, etc.)
 - Air Traffic Control Services in Japan (Organization & History of ATC in Japan, Regulation of ATC, Structure of Controlled Airspace, etc.)
- 2) Study-tours:
 - Study-tours to Airports, Area Control Center and Aeronautical Safety College, etc.
- 3) Presentation and Discussion on Country Reports submitted by Participants

5. FACILITIES AND INSTITUTIONS

- 1) Civil Aviation Bureau, Ministry of Transport

6. REMARKS

This course is initiated in 1989.

1. PERIOD

May 14, 1992 to July 4, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Occupational experience of more than three (3) years
- 3) Presently engaged in urban transport administration preferably in the field of railway
- 4) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

- 1) Introduction
 - a. Urban Transport Policies in Japan
 - b. Integrated Transport Policies
 - c. Urban Transport Problems in Big Cities
 - d. Government Policies for Subsidies towards Urban Transport Enterprises
- 2) Specific Characteristics of Each Mode
 - a. Japan Railways Group (JR)
 - b. Municipal (Public) Railways
 - c. Private Railways
 - d. Automated Guideway Transit System
 - e. Road Transportation
- 3) Discussion on the subjects of country reports
- 4) Observations

5. FACILITIES AND INSTITUTIONS

- 1) Transportation Administration Bureau, Ministry of Transport
- 2) Japan Transport Consultants Association
- 3) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

No. 82

COMPREHENSIVE URBAN TRANSPORTATION PLANNING

総合都市交通施設計画

1. PERIOD

September 29, 1992 to December 02, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent with occupational experience of more than three (3) years
- 2) Presently engaged in urban transport administration
- 3) Under thirtyfive (35) years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Presentation of country reports and discussions
- 2) Lectures
 - Outline
 - Present situation and problems of urban transportation in Japan
 - Comprehensive urban transportation planning
 - Individual transportation facility planning
 - Urban Transportation Planning
- 3) Observation tours
- 4) International conference

5. FACILITIES AND INSTITUTIONS

- 1) City Bureau, Ministry of Construction
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

No. 83

SEISMOLOGY AND EARTHQUAKE ENGINEERING II 地震工学 II

1. PERIOD

September 7, 1992 to July 31, 1993 (11 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATIONS

- 1) University graduates or equivalent with professional experience of more than 5 years
- 2) Well versed in basic mathematics (Differential and integral calculus, etc.)
- 3) Over 25 and under 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Both courses: General seismology, basic programming of computer, etc.
 - Seismology course: Seismological application computer, elasticity, etc.
 - Earthquake engineering course: Earthquake resistant design of building structure, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) International Institute of Seismology and Earthquake Engineering (ISEE), Building Research Institute. Ministry of Construction
- 2) Tsukuba International Centre, JICA

6. REMARKS

No. 84

SEMINAR ON SEISMOLOGY AND EARTHQUAKE ENGINEERING

地震工学セミナー

1. PERIOD

November 30, 1992 to December 20, 1992

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) Preferably exparticipants in Group Training Course in Seismology and Earthquake Engineering or their equivalent
- 2) Engaged in the field of Earthquake Engineering more than 10 years
- 3) More than 35 and under 55 years of age
- 4) Having a sufficient command of spoken and written English
- 5) Good health

4. DESCRIPTION OF TRAINING

- 1) obtained up-to-date knowledge and techniques in the general field of seismology and earthquake engineering.
- 2) attained a higher level of knowledge and skills in a few special subjects in the concerned fields.
- 3) contribute to the mitigation and prevention of earthquake disasters according to the conditions peculiar to their respective countries, as well as to global situation, by applying the knowledge and techniques presented in this course.

5. FACILITIES AND INSTITUTIONS

- 1) International Institute of Seismology and Earthquake Engineering, Ministry of Construction
- 2) Tsukuba International Centre, JICA

6. REMARKS

1. PERIOD

August 13, 1992 to December 17, 1992 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) University graduates or equivalent (WMO Class I and II)
- 2) Be presently engaged in meteorological observation or forecasting, of the governmental or related public bodies
- 3) Occupational experience of more than 3 years in the field of operational/practical meteorological services
- 4) Under forty (40) years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Classroom lectures and exercises
 - Theoretical basics for operational meteorology
 - Meteorological observation system and instrumentation including automated observation station network and advanced radar system
 - Marine meteorological services
 - Personal computer utilization for meteorological services
 - Meteorological satellite system and satellite data application including nephanalysis
 - Aviation weather service
 - Selected topics from research activities of JMA
 - Climatology and application of climatological statistics
 - Meteorological analysis and forecasting including introduction to operational numerical weather prediction models of JMA
- 2) Study tours and visits
 - Study tours to District Meteorological Observatories and Local Meteorological Observatories
 - Technical visits to airline company, meteorological instrument factories, satellite data receiving stations, etc.

5. FACILITIES AND INSTITUTIONS

- 1) Japan Meteorological Agency (JMA)
- 2) Meteorological Research Institute of JMA
- 3) Meteorological Satellite Centre of JMA
- 4) Meteorological College of JMA
- 5) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

No. 86

TECHNOLOGY FOR DISASTER PREVENTION SEMINAR 防災技術セミナー

1. PERIOD

September 7, 1992 to December 6, 1992 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) Scientists or technicians in the related field to disaster prevention
- 2) University graduates in the related sciences and technologies to disaster prevention or those who have equivalent qualification
- 3) Should have experiences of more than seven (7) years in the related field to disaster prevention
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Seismology and earthquake damage mitigation
 - Prevention against tsunami and fire induced by earthquake
 - Rainfall disaster and flood control
 - Prevention against slope failure and other geological hazards
 - Application of remote sensing technology to disaster prevention
(Specially arranged for International Space Year)
- 2) Advanced study
- 3) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) National Research Institute for Earth Science and Disaster Prevention (NIED)
- 2) Tsukuba International Centre, JICA

6. REMARKS

VOLCANOLOGY AND VOLCANIC SABO ENGINEERING

火山学、火山砂防工学

1. PERIOD

March 23, 1993 to September 19, 1993

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University or college graduated or equivalent
- 2) Occupational experience of more than 3 years
- 3) Qualified in their respective fields
- 4) Under thirtyfive (35) years of age
- 5) Good working Knowledge of English

4. DESCRIPTION OF TRAINING

Participants shall be introduced basic and modern concepts of volcanology and mitigation of volcanic disasters through lectures, exercises and field studies.

The course is divided into three categories of Common Course, Volcanology and Volcanic Sabo Engineering Course.

- 1) Common course:
 - To obtain comprehensive and general knowledge of volcanology and volcanic disaster prevention engineering.
- 2) Volcanology course:
 - Earth's structure, origin and nature of magmas, and how volcanoes work,
 - Basic theory of seismology, geodesy, geomagnetism geothermy and geochemistry with the aid of exercise,
 - Volcanic hazards and available methods for hazard reduction including forecasting volcanic behavior,
 - Method of volcano monitoring, interpretation and analysis of data.
- 3) Volcanic Sabo Engineering course:
 - Basic theories necessary for study and planning of erosion and sediment control engineering,
 - Mechanism and structure of debris mud flows,
 - Technology of administrative volcanic disaster countermeasure.

Participants can select either Volcanology or Volcanic Sabo Engineering Course at the time of application.

5. FACILITIES AND INSTITUTIONS

- 1) Department of Erosion and Sediment Control, Ministry of Construction
- 2) Japan SABO Association
- 3) Tokyo International Centre (Hatagaya), JICA
- 4) Tukuba International Centre, JICA
- 5) Volcanology Observatories and Research Institutes concerned

6. REMARKS

INFRASTRUCTURE

BRIDGE ENGINEERING II 橋梁工学 II

1. PERIOD

August 13, 1992 to October 29, 1992 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent with occupational experience of more than 3 years
- 2) Qualified in their respective fields
- 3) Presently engaged in highway construction
- 4) Under forty (40) years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and field study
 - Roads and Bridges in Japan
 - Design and construction of substructures
 - Design and construction of concrete bridges
 - Fundamental bridge design theory
 - Design and construction of bridges in Japan
 - Maintenance and Repair of bridges
- 2) Presentation and discussion on country reports
- 3) Observation

5. FACILITIES AND INSTITUTIONS

- 1) Road Bureau, Ministry of Construction
- 2) Japan Association of Steel Bridge Construction
- 3) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

CONSTRUCTION ENGINEERING II 建設施工 II

1. PERIOD

August 6, 1992 to November 19, 1992 (3.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University or college graduates who specialized in civil engineering, or equivalent
- 2) Professional experience of more than 5 years in planning, design, execution and project control of civil works
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - International construction projects
 - Basic engineering
 - Construction management
 - Construction technology (road and others)
- 2) Observations
 - Visits and observations to construction sites
 - Study tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Construction
- 2) Faculty of Engineering, Kyoto University

6. REMARKS

No. 90

CONSTRUCTION PROJECT MANAGER 建設施工管理者

1. PERIOD

October 1, 1992 to December 16, 1992 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or those who have undergone higher education in the field of civil engineering or equivalent
- 2) At least 5 years of experience as construction managers
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Important elements related to construction work (lectures)
- 2) Work execution plans (lectures, case studies, site observations)
- 3) Process control (lectures, case studies, site observations)
- 4) Group study (site observations, presentation, discussion, evaluation)

5. FACILITIES AND INSTITUTIONS

Japan Construction Training Center (Foundation)

6. REMARKS

SOIL MECHANICS AND FOUNDATION ENGINEERING 土質及び基礎工学

1. PERIOD

October 15, 1992 to December 11, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) University graduates or equivalent (soil engineering)
- 2) More than 8 years practical experience in central or local governments
- 3) Under fortyfive (45) years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Outline of earth structures
 - Outline of foundation of structures
 - Site exploration and laboratory soil test
 - Improvement of soil engineering properties
 - Evaluation of soil foundation design-case study
 - Others
- 2) Discussions with the guidance of Japanese lecturers
 - Soil improvement planning, foundation design, project feasibility, etc.
- 3) Practice
 - Soil survey method
 - Soil test method
 - Foundation design
- 4) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Construction
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

1. PERIOD

October 5, 1992 to November 18, 1992 (1.5 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) Presently engaged in the planning or implementation of national or regional development projects and policy
- 2) Under forty (40) years of age
- 3) Be university graduates or the equivalent
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - History of regional development policy in Japan
 - Population problems and regional development planning
 - Urban and rural area development planning
 - Land use plan, water resources development plan, transportation plan and housing plan
 - Disaster countermeasure in Japan
 - Theory and method of regional development planning
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) National Land Agency
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

All participants are requested to submit a Country Report.

No. 93

SEMINAR ON ADMINISTRATION FOR DISASTER PREVENTION

防災行政管理者セミナー

1. PERIOD

May 19, 1992 to June 14, 1992 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Presently engaged in governmental agencies responsible for disaster prevention
- 2) Under forty-five (45) years of age
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Outline of Disaster Prevention Administration
 - Specific Study for Disaster Prevention Administration
 - International Cooperation for Disaster Prevention and Reduction
- 2) Discussions
- 3) Observation tours

Center, JICA

5. FACILITIES AND INSTITUTIONS

- 1) National Land Agency
- 2) Tokyo International Center Hatagaya (TICH), JICA

6. REMARKS

All participants are requested to submit a Country Report and a questionnaire.

RIVER AND DAM ENGINEERING 河川及びダム工学

1. PERIOD

August 31, 1992 to December 6, 1992 (3.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eleven (11)

3. QUALIFICATIONS

- 1) University graduates specialized in civil engineering or equivalent
- 2) Occupational experience of more than 5 years in the field of construction project management of flood control works or water resources development projects
- 3) Under 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Introduction (Characteristics of river and the outline of river works in Japan)
- 2) Hydrology and related aspects
- 3) River engineering (only for River group) (techniques for river planning and design of river facilities)
- 4) Dam engineering (only for Dam group) (techniques for planning, design, construction, operation and maintenance of dam)
- 5) Construction/Management
- 6) Individual training
- 7) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Construction
- 2) Tsukuba International Centre, JICA

6. REMARKS

Participants will be separated into two groups, namely River Group and Dam Group. River Group will learn the river improvement, and Dam Group the techniques for dam project.