

Outline of The Group Training Courses in Japan

(昭和63年度 集団コース コース概要)

1988 Japanese Fiscal (April, 1988 to March, 1989)

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

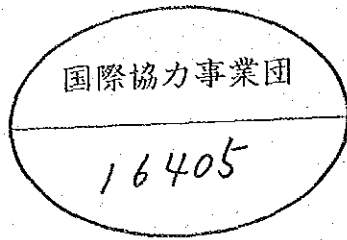
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INTRODUCTION

This brochure is prepared to introduce the summary of content of the working plans of group training courses for participants from developing countries, as part of Japan's technical cooperation programmes for the fiscal year of 1988

Copies of "INFORMATION" on the details of those group training courses are scheduled to be provided later, however, prior to the forwarding of copies of the said "INFORMATION", it is earnestly hoped that this brochure will be useful for your understanding the outlines of those group training courses.

Director,
Training Affairs Department,
Japan International Cooperation Agency (JICA)

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DEVELOPMENT PLAN

No. 1

ECONOMIC DEVELOPMENT (SEMINAR) (経済開発セミナー)

1. PERIOD

January 23, 1989 to March 12, 1989 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Sixteen (16)

3. QUALIFICATIONS

- 1) Government planners in economic development policy
- 2) Under 35 years of age
- 3) Be those who have an academic background in economics or those having a proper experience and knowledge regarding economic policy and planning
- 4) Occupational experience of more than 1 year
- 5) Have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Country Report presentation and discussion
- 2) Lectures and practical training
 - Factors of Japan's economic development
 - Japan's economic development and Economic policy (Agriculture, Industry, Infrastructure, Finance etc.)
 - Japan's international economic cooperation for development
- 3) Observation tours
- 4) Final Report presentation and discussion

5. FACILITIES AND INSTITUTIONS

International Development Centre of Japan (IDCJ)

6. REMARKS

No. 2-1

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

1. PERIOD

August 1, 1988 to January 30, 1989

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) University graduates or equivalent in economics
- 2) Qualified in their respective fields
- 3) Under 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Economic theory
 - Development economics
 - Introduction to formulation and evaluation of development projects
 - Macro development planning
 - Methods of project formulation and evaluation
 - Case studies in project formulation and evaluation
 - Economic development of Japan
 - Development strategy
(approaches to international, regional development)
 - Seminar on development economics
 - Special lectures
- 2) Observation tours
- 3) Report writing

5. FACILITIES AND INSTITUTIONS

The International Development Centre of Japan (IDCJ)

6. REMARKS

No. 2--2

DEVELOPMENT ECONOMICS (INDUSTRIAL PROJECT)

(開発エコノミスト〔工業〕)

1. PERIOD

June 16, 1988 to September 2, 1988 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Minimum 3 ~ 4 year's work experience in the field
- 2) Between 30 and 40 years of age
- 3) University degree and academic background in economics, finance or engineering
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lecture & Discussion
 - Japanese Economic Development
 - Planning and Analysis of Industrial Development Projects
- 2) Field workshop and Field study
- 3) Report Writing and Presentation

5. FACILITIES AND INSTITUTION

- 1) Hachioji International Training Centre, JICA
- 2) The International Development Center of Japan (IDCJ)

6. REMARKS

ADMINISTRATION

No. 3

CONTROL OF NARCOTIC OFFENCES (SEMINAR) (麻薬犯罪取締セミナー)

1. PERIOD

October 10, 1988 to October 27, 1988 (18 days)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eighteen (18)

3. QUALIFICATIONS

- 1) Officers in the rank of the Director of Division in charge of Drug Law Enforcement at the central government or Operational Heads of National Drug Law Enforcement Agency
- 2) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Drug control in Japan
- 2) General discussions
 - Countermeasures to eradicate drug offences
 - International cooperation against drug crimes
- 3) Presentation of country report by participants
- 4) Observation tours

5. FACILITIES AND INSTITUTIONS

National Police Agency

6. REMARKS

No. 4

CRIME PREVENTION (TREATMENT OF OFFENDERS) (犯罪防止(矯正保護))

1. PERIOD

April 11, 1988 to July 11, 1983 (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 correctional treatment of offenders, and, who have at least eight-year practical experience in their field or five-year practical experience, plus a university degree or its equivalent;
- 2) Have a sufficient command of spoken and written English;
- 3) Under fifty (50) years of age;
- 4) In good health, both physically and mentally. Pregnancy is regarded as a disqualifying condition for participation in the course;

4. DESCRIPTION OF TRAINING

- 1) Comparative Study on the Treatment of Offenders
- 2) Group Workshops on Topics Selected by the Participants
- 3) Lectures by Specialists
- 4) Visits to Several Relevant Institutions and Agencies

5. FACILITIES AND INSTITUTIONS

- 1) Tokyo International Center (TIC) of 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) (犯罪防止(上級))

1. PERIOD

January 30, 1989 to March 13, 1989 (1.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eighteen (18)

3. QUALIFICATIONS

Applicants are to:

- 1) Be 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 Justice, Ministry of Interior or the Supreme Court;
- 2) Have a good command of English both spoken and written;
- 3) Be aged between thirty-five and fifty-five years and likely to continue to work in this field for a minimum period of two years; and
- 4) Be 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) Self-Introduction and 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)
- 9) Reference Reading and Others
- 10) Evaluation Session
- 11) Individual Interview

5. FACILITIES AND INSTITUTIONS

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

6. REMARKS

No. 6.

CRIME PREVENTION (CRIMINAL JUSTICE ADMINISTRATION)

(犯罪防止 (刑事司法))

1. PERIOD

August 29, 1988 to November 28, 1988 (3.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

Applications are to:

- 1) Be persons who hold relatively senior positions in the police, public prosecutors offices, the judiciary, correctional services, probation offices and other sectors closely related to juvenile to justice administration, and who have at least eight-year practical experience in their field or five-year practical experience, plus a university degree or its equivalent;
- 2) Have a sufficient command of spoken and written English;
- 3) Be under fifty (50) years of age; and
- 4) Be 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

- 1) Comparative Study on the Main Theme
- 2) Group Workshops on the Topics Selected by the Participants
- 3) Lectures by Specialists
- 4) Visits to Several Relevant Institutions and Agencies

5. FACILITIES AND INSTITUTIONS

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

6. REMARKS

No. 7

LOCAL GOVERNMENT (地方行政)

1. PERIOD

May 9, 1988 to July 23, 1988 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalents
- 2) Civil service personnel holding responsible managerial or supervisory positions in the local or the central government
- 3) Occupational experience of more than 7 years
- 4) Between 30 and 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Local public administration
 - National public administration
 - 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) Observation tours
- 4) On-the-spot study in local governments

5. FACILITIES AND INSTITUTIONS

Local Autonomy College, Ministry of Home Affairs

6. REMARKS

No. 8

NATIONAL GOVERNMENT ADMINISTRATION (國家行政)

1. PERIOD

May 9, 1988 to June 24, 1988 (6 weeks)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent;
- 2) Qualified in their fields;
- 3) Have professional working experience of more than 5 years at least two years in national gover or an international organization.
- 4) Not less than 25 not more than 35 years of age and
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Comparative study on the central government of the participating countries
 - Modernization Problems
 - Public administration and civil service
 - Policies for the economic and social development
- 2) On-the-spot study
 - Attachment to relevant ministry offices
- 3) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute of Public Administration, National Personnel Authority

6. REMARKS

No. 9

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

1. PERIOD

October 12, 1988 to November 12, 1988 (4 weeks)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent;
- 2) Qualified in their respective fields;
- 3) Occupational experience of more than 10 years (at least five years of experience) in public administration
- 4) not less than 30 and not more than 45 years of age and
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Comparative study on the central government
 - Modernization Problems
 - Public administration and civil service
 - Policies for the economic and social development
- 2) On-the-spot study
 - Attachment to relevant ministry offices
- 3) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute of Public Administration, National Personnel Authority

6. REMARKS

No. 10

TRAFFIC POLICE ADMINISTRATION (SEMINAR) (交通警察行政セミナー)

1. PERIOD

October 3, 1988 to October 31, 1988 (3 weeks)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fourteen (14)

3. QUALIFICATIONS

Applicants should:

- 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, and
- 4) be in good health, both physically and mentally.

4. DESCRIPTION OF TRAINING

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

FIRE SERVICE ADMINISTRATION (消防行政)

1. PERIOD

May 23, 1988 to August 6, 1988 (2.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) Bachelors in law, politics or administration
- 2) Under 40 years
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Fire service administration, organization and fire personnel
 - Fire prevention
 - Defense system and activity
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Fire Defense College and Fire Defense Laboratory
- 2) Tokyo Fire Department
- 3) Fire Defense Agency, Ministry of Home Affairs

6. REMARKS

No. 12

FIRE FIGHTING TECHNIQUES (消火技術コース)

1. PERIOD

September 26, 1988 to December 14, 1988 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five

3. QUALIFICATIONS

- 1) be nominated by their governments in accordance with the occupational experience,
- 2) be university graduates or equivalent with occupational experience,
- 3) be presently engaged in fire service and expected to play key roles in this field,
- 4) be expected to become a leader in the field of fire service,
- 5) have a good command of English both spoken and written,
- 6) be in good health, both physically and mentally to undergo the training. Pregnancy is regarded as a disqualifying condition for participation in the course,
- 7) be able to extend their techniques systematically after returning to their countries,
- 8) not be serving as a military personnel presently.

4. DESCRIPTION OF TRAINING

- 1) Lecture
 - Basic theory
 - a. Fire service system in Japan, and the present situation
 - b. Fire pumps
 - c. Hydraulic engineering
 - d. Introduction to safety supervision (at the time of training and fire fighting)
 - e. Introduction to fire fighting
 - f. Building fire suppression engineering
 - h. Vehicles fire suppression engineering
 - i. Ships fire suppression engineering
 - j. Airplanes fire suppression engineering
 - k. Fireground commanding technique
- 2) Fire-fighting Practice
- 3) Quartering Study
- 4) Comprehensive Practice
- 5) Observation Visit
- 6) Study Trip
- 7) Others

5. FACILITIES AND INSTITUTIONS

Kitakyushu Fire Department, Fire Defense Agency

6. REMARKS

No. 13

RESCUE AND FIRST AID TECHNICS

(救急救助技術)

1. PERIOD

August 29, 1988 to November 28, 1988

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 35 years
- 4) Good working knowledge of English

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
 - Rescue service
- 2) Outline of rescue service
 - Rescue service activity
 - Theory of rescue instruction
 - Safety administration
 - Ambulance service
 - Rescue operation and rescue tools
- 3) Rescue practice
 - Basic activity
 - Entry skill
 - Rescue skill
 - Rescue command skill
 - Searching skill
 - Usage of rescue tools
 - First aid skill
 - Fire prevention skill
- 4) Quartering study
- 5) Observation visit
- 6) Study trip

5. FACILITIES AND INSTITUTIONS

- 1) Fire Defense College and Fire Defense Laboratory
- 2) Tokyo Metropolitan Fire Department
- 3) Fire Defense Agency, Ministry of Home Affairs

6. REMARKS

No. 14

CRIMINAL INVESTIGATION (SEMINAR) (国際捜査セミナー)

1. PERIOD

November 23, 1988 to December 14, 1988 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Senior police officers who are in charge of investigations of ordinary law crime and who belong to the central police organization
- 2) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Organization and operation of criminal police
 - Techniques of criminal investigation and identification
 - Observation of criminal police facilities and equipment
- 2) Observation tours
 - Study trip to Kansai District (West part of Japan)

5. FACILITIES AND INSTITUTIONS

National Police Agency

6. REMARKS

GOVERNMENT AUDITING (SEMINAR) (政府会計検査セミナー)

1. PERIOD

July 7, 1988 to August 17, 1988 (1.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) Senior officials of the Supreme Audit Institution with more than 10 years of audit experience
- 2) A heads of a division responsible for audit of public work
- 3) Not more than 45 years of age
- 4) 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
 - Accounting & Internal Control of Public Works
 - Audit of Public Works Project
- 2) Case studies
- 3) Observation Tour

5. FACILITIES AND INSTITUTION

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

6. REMARKS

No. 16

TAXATION (GENERAL TAX PROGRAMME) (SEMINAR) (一般租税セミナー)

1. PERIOD

August 25, 1988 to December 9, 1988 (4 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) Thesis Making

5. FACILITIES AND INSTITUTION

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

6. REMARKS

No. 17

TAXATION (SENIOR TAX PROGRAMME) (SEMINAR) (上級租税セミナー)

1. PERIOD

September 26, 1988 to October 15, 1988 (3 weeks)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Presently engaged in tax planning or administration
- 2) Ranked senior class officials
- 3) Sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures
- Introduction of Japanese tax system and tax administration
- 2) Discussions
- Comparative study on tax system and administration through presentation of country reports and round-table discussions
- 3) Field trips to tax offices and industry plants

5. FACILITIES AND INSTITUTIONS

National Tax Administration.

6. REMARKS

CUSTOMS TECHNIQUES (税関行政)

1. PERIOD

September 5, 1988 to November 3, 1988 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 35 years of age
- 4) Good working knowledge of 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
 - Other related lectures
 - Comparative study on related items
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

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

6. REMARKS

ODA LOAN PROCEDURES (SEMINAR) (ODAローンセミナー)

1. PERIOD

October 3, 1988 to November 3, 1988 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Senior officers in charge of matters directly relative to OECF loans
- 2) University graduates or equivalent
- 3) Good working knowledge of English
- 4) Preferably under 45 years of age

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - OECF's role in Japan's Economic Cooperation
 - OECF's activities
 - Loan Procedures
- 2) Observation tour

5. FACILITIES AND INSTITUTIONS

The Overseas Economic Cooperation Fund

6. REMARKS

ENVIRONMENTAL ADMINISTRATION (環境行政)

1. PERIOD

October 10, 1988 to December 2, 1988 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Senior technical or administrative officials for environmental administration, and in a position to participate in planning and deciding environmental policy in either central or local, in governmental organizations
- 2) Be preferably between thirty five (35) and forty-five (45) years of age
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Environmental issues in Japan
 - Historical background of Japan's environmental administration
 - Japanese policy for preservation of the environment
 - Environmental impact assessment in regional development plans
 - Pollution control measures taken by the private industry
 - Government organization for protection of the environment
 - Legislation for pollution control
 - Formulation of pollution control programmes
 - Environmental enforcement and quality standards
 - Surveillance and monitoring system
 - Research activities, in the field of environmental science and technology
 - Relief measures for the victims of pollution
 - Conservation of natural environment
 - Environmental information
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

International Affairs Division, Environment Agency

6. REMARKS

No. 21

ENVIRONMENTAL ENGINEERING (WATER POLLUTION CONTROL)

(環境技術 (水質保全))

1. PERIOD

September 12, 1988 to November 4, 1988 (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
 - Institutional development
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Water Quality Bureau, Environmental Agency
Japan Society on Water Pollution Research

6. REMARKS

No. 22

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

1. PERIOD

January 26, 1989 to March 16, 1989 (2.0 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

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 INSTITUTION

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

6. REMARKS

No. 23

MARINE ENVIRONMENT PROTECTION (海洋保全)

1. PERIOD

August 18, 1988 to October 29, 1988 (2.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

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) Under forty (40) years of age,
- 4) A sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Organization and service of Maritime Safety Agency
- 2) Search and rescue operation and marine disaster prevention
- 3) Measures for oil clean-up
- 4) Laws relating to the Prevention of Marine Pollution and Maritime Disaster, etc.
- 5) Situation of marine pollution and preventive measures at sea around Japan
- 6) Control system of marine pollution and its operation
- 7) Investigation of violation of the laws
- 8) Measures for research on drifting, drifting ashore of oil balls and cause of their forming
- 9) Measures for research on distinction between oil balls and drifting, drifting ashore of oil
- 10) Measurement of oil content
- 11) Inspection of research on distinction of oil balls
- 12) Inspection of research on distinction of drifting, drifting ashore of oil
- 13) Training cruise 1 and 2
- 14) Training flight
- 15) Drills of spilled oil control

5. FACILITIES AND INSTITUTIONS

- 1) Maritime Safety Agency
- 2) The 11th Regional Maritime Safety Headquarters

6. REMARKS

INDUSTRIAL POLLUTION CONTROL PRACTICE (産業環境対策)

1. PERIOD

August 15, 1988 to November 21, 1988

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) University graduate or equivalent
- 2) Occupational experience of not less than three years in industrial pollution control or environmental administration in central or provincial government or public organization
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 1. Introduction (the History of Industrial Pollution Preventive Measures in Japan)
 2. Health Effects of Environmental Pollutant
 3. Environmental Engineering
 4. Atmospheric Preservation Administration
 5. Water Preservation Administration
 6. Industrial Waste Administration
 7. Environmental Pollutant Measuring Method
 8. Environmental Pollution Measures in Chemical Industry
 9. Environmental Pollution Measures in Electric Power Industry
 10. Environmental Pollution Measures in Steel Industry
 11. Environmental Pollution Measures in Cement Industry
 12. Environmental Pollution Measures in Small- and Medium-size Enterprises
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Kitakyushu International Training Association
- 2) Kitakyushu Municipal Government

6. REMARKS

INDUSTRIAL POLLUTION CONTROL TECHNOLOGY

(産業公害防止)

1. PERIOD

November 21, 1988 to March 20, 1989 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 0) Technical officials
- 1) University graduates
- 2) Three years experience in their respective fields
- 3) Under 40 years of age
- 4) Good working knowledge of English or Japanese

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - 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
 - Pysico-chemical treatment of waste water
 - Assessment technology for air and water pollution
- 2) Field excursion
 - to related institute, municipals and companies

5. FACILITIES AND INSTITUTIONS

- 1) National Research Institute for Pollution and Resources
- 2) Environmental Protection Guidance Division, MITI
- 3) Industrial Pollution Control Association Japan
- 4) Japan Machinery and Metals Inspection Institute
- 5) Tsukuba International Center, JICA

6. REMARKS

GENERAL STATISTICS (一般統計)

1. PERIOD

September 19, 1988 to March 28, 1989 (6.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirty (30)

3. QUALIFICATIONS

- 1) University graduates specialized in statistics, economics or sociology or those who have the equivalent knowledge and experience
- 2) Those who have a sufficient knowledge of basic mathematics
- 3) Between 25 and 35 years of age
- 4) Good working knowledge of English

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

6. REMARKS

AUTOMATIC DATA PROCESSING (ADP) (ADP (自動データ処理))

1. PERIOD

May 5, 1988 to August 11, 1988 (3.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or have the equivalent knowledge and experience
- 2) Upper and middle level statisticians of statistical offices whose present or intended work includes responsibility for statistical censuses, surveys or other statistical activities
- 3) Over 25 but under 35 years of age
- 4) Good working knowledge of English

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

6. REMARKS

No. 28

INFORMATION PROCESSING PERSONNEL (情報処理要員養成)
(SENIOR PROGRAMMER (A)) (シニア・プログラマー(A))

1. PERIOD

July 14, 1988 to November 7, 1988 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fourteen (14)

3. QUALIFICATIONS

- 1) University graduates with more than one (1) year's experience in programming or be person with more than three (3) years' experience in programming
- 2) Having experience in programming with COBOL, FORTRAN, PL/I or assembly languages
- 3) Under thirty-five (35) years of age
- 4) Having a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- | | |
|---|---|
| 1) System development outline | 13) Operating system introduction |
| 2) Hardware introduction | 14) Exercise on TSS usage |
| 3) Data communication system introduction | 15) Exercise on OS usage |
| 4) Advanced computer technology | 16) Exercise on COBOL programming |
| 5) Special lecture | 17) Exercise on system operation |
| 6) COBOL programming | 18) Exercise on database programming |
| 7) On-line database system introduction | 19) Exercise on data communication programming |
| 8) Database programming | 20) System development workshop (including presentation) |
| 9) Data communication programming | 21) Observation tour (computer manufacturers, computer system centres, research institutes, etc.) |
| 10) Program design methodology | |
| 11) TSS (Time Sharing System) usage | |
| 12) OS (Operating System) usage | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 29

INFORMATION PROCESSING PERSONNEL
(SENIOR PROGRAMMER (B))

(情報処理要員養成)
(シニア・プログラマー(B))

1. PERIOD

November 3, 1988 to March 6, 1989 (5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates with more than one (1) year's experience in programming or be person with more than (3) year's experience in programming
- 2) Having experience in programming with COBOL, FORTRAN, PL/I or assembly languages
- 3) Under thirty-five (35) years of age
- 4) Having a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- | | |
|---|--|
| 1) System development outline | 14) Exercise on TSS usage |
| 2) Hardware introduction | 15) Exercise on OS usage |
| 3) Data communication system introduction | 16) Exercise on COBOL programming |
| 4) Advanced computer technology | 17) Exercise on system operation |
| 5) Special lecture | 18) Exercise on database programming |
| 6) COBOL programming | 19) Exercise on data communication programming |
| 7) On-line database system introduction | 20) System development workshop (including presentation) |
| 8) Database programming | 21) Observation tour |
| 9) Data communication programming | |
| 10) Program design methodology | |
| 11) TSS (Time Sharing System) usage | |
| 12) OS (Operating System) usage | |
| 13) Operating system introduction | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 30

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

1. PERIOD

April 7, 1988 to September 17, 1988 (5.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates with more than one (1) year's experience in programming or be person with more than (3) years' experience in programming
- 2) Having experience in programming with COBOL, FORTRAN, PL/I or assembly languages
- 3) Under thirty-five (35) years of age
- 4) Having a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- | | |
|---|---|
| 1) System development outline | 13) OS (Operating System) usage |
| 2) Hardware introduction | 14) Operating system introduction |
| 3) Data communication system introduction | 15) System operation |
| 4) Advanced computer technology | 16) System development workshop (including presentation) |
| 5) Special lecture | 17) Instructor Training |
| 6) Database design | 18) Observation tour (Computer manufacturers, computer system centres, research institutes, etc.) |
| 7) COBOL programming | |
| 8) On-line database system introduction | |
| 9) Database programming | |
| 10) Data communication programming | |
| 11) Program design methodology | |
| 12) TSS (Time Sharing System) usage | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 31

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

1. PERIOD

May 5, 1988 to June 17, 1988 (1.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Sixteen (16)

3. QUALIFICATIONS

- 1) Persons presently engaged in management and have less than one (1) year of occupational experience as a DP manager
- 2) University graduates or have the equivalent academic background
- 3) Under forty-five (45) years of age
- 4) Having a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Software engineering introduction
- 2) System development outline
- 3) Special lecture
- 4) DP system planning
- 5) DP division management
- 6) Case study
- 7) Project management game
- 8) Observation tour (Computer manufacturers, computer system centres, research institutes, etc.)

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 32

INFORMATION PROCESSING PERSONNEL (情報処理要員養成)
(PERSONAL COMPUTER (A)) (パーソナル・コンピューター(A))

1. PERIOD

May 5, 1988 to July 21, 1988 (2.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or the person with knowledge of basic statistics such as mean, deviation and summation
- 2) Under thirty-five (35) years of age
- 3) Having a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Personal computer introduction
- 2) Special lecture
- 3) BASIC introduction (CBASIC)
- 4) BASIC advanced (CBASIC)
- 5) Business management tools (Super Calc 3, Word Star)
- 6) Database (dBASE II)
- 7) System design
- 8) Personal Computer Case Study
- 9) Observation tour (Computer manufacturers, computer system centres, research institutes, etc.)

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 33

INFORMATION PROCESSING PERSONNEL

(PERSONAL COMPUTER (B)) (情報処理要員養成(パーソナル・コンピューター(B)))

1. PERIOD

August 18, 1988 to November 6, 1988 (2.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or the person with knowledge of basic statistics such as mean, deviation and summation
- 2) Under thirty-five (35) years of age
- 3) Having a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Personal computer introduction
- 2) BASIC introduction (CBASIC)
- 3) BASIC advanced (CBASIC)
- 4) Special lecture
- 5) Business management tools
- 6) Database (d BASE II)
- 7) System design
- 8) Personal computer case study
- 9) Observation tour (Computer manufacturers, computer system centres, research institutes, etc.)

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

INFORMATION PROCESSING PERSONNEL (情報処理要員養成)
(SYSTEM ENGINEER (A)) (システム・エンジニア(A))

1. PERIOD

April 1, 1988 to September 30, 1988 (6 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
- 2) Having more than three (3) years' experience in programming with COBOL
- 3) Under thirty-five (35) years of age
- 4) Having a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- | | |
|--|---|
| 1) Operating system introduction | 13) Programme design methodology |
| 2) On-line database | 14) Test planning |
| 3) Computer architecture | 15) Project management |
| 4) Advanced computer technology | 16) DP division management |
| 5) Special lecture | 17) VSAM COBOL programming |
| 6) Case study | 18) Data communication programming |
| 7) System development outline | 19) TSS (TIME Sharing System) usage |
| 8) System analysis | 20) OS (Operating System) usage |
| 9) System estimation | 21) System operation |
| 10) System evaluation | 22) System generation |
| 11) Data communications network design | 23) System development workshop
(including presentation) |
| 12) Reliable system design | 24) Observation tour (Computer manufacture-
rs, Computer systems centres, research
institutes, etc) |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

INFORMATION PROCESSING PERSONNEL

(SYSTEM ENGINEER (B)) (情報処理要員養成(システム・エンジニア(B)))

1. PERIOD

September 22, 1988 to March 31, 1989 (6 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
- 2) Having experience more than three (3) years' experience in programming with COBOL
- 3) Under thirty-five (35) years of age
- 4) Having a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- | | |
|--|---|
| 1) Operating system fundamentals | 14) Test planning |
| 2) On-line database outline | 15) Project management |
| 3) Computer architecture | 16) DP division management |
| 4) Advanced computer technology | 17) VSAM COBOL programming |
| 5) Special lecture | 18) Data communication programming |
| 6) Case study | 19) TSS (TIME Sharing System) usage |
| 7) System development outline | 20) OS (Operating System) usage |
| 8) System analysis | 21) System operation |
| 9) System estimation | 22) System generation |
| 10) System evaluation | 23) System development workshop
(including presentation) |
| 11) Data communications network design | 24) Observation tour (Computer manufac-
turers, research institutes, etc.) |
| 12) Reliable system design | |
| 13) Programme design methodology | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

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

1. PERIOD

April 7, 1988 to July 24, 1988 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates with more than one (1) years' experience in programming or person with more than three (3) years' experience in programming
- 2) Having experience in programming with COBOL and in system design by using conventional files
- 3) Under thirty-five (35) years of age
- 4) Having a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- | | |
|---|---|
| 1) On-line database system introduction | 10) OS (Operating System) usage |
| 2) System development outline | 11) Database Programming |
| 3) Advanced computer technology | 12) System development working (including presentation) |
| 4) Database design | 13) Observation Tour (Computer manufacturers, Computer system centres, Research institutes, etc.) |
| 5) Database creation | |
| 6) Recovery Design | |
| 7) Project management | |
| 8) COBOL workshop | |
| 9) TSS (Time Sharing System) usage | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 37

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

1. PERIOD

November 17, 1988 to March 27, 1989 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates with more than one (1) year's experience in programming or person with more than three (3) years' experience in programming
- 2) Having experience in programming with COBOL and in system design of batch processing.
- 3) Under thirty-five (35) years of age
- 4) Having a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- | | |
|---|---|
| 1) Data communication system introduction | 11) COBOL workshop |
| 2) Online database system introduction | 12) TSS (Time Sharing System) usage |
| 3) System development outline | 13) OS (Operating System) usage |
| 4) Advanced computer technology | 14) OS (Operating System) fundamentals |
| 5) Online system design | 15) Case Study |
| 6) Data communication system creation | 16) Computer Architecture |
| 7) System estimation | 17) Data communication programming |
| 8) System simulation | 18) System development workshop (including presentation) |
| 9) Data communications network design | 19) Observation tour (Computer Manufacturers, Computer system Centres, Research Institutes, etc.) |
| 10) Project management | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre, (OIC) JICA

6. REMARKS

INFORMATION PROCESSING PERSONNEL
(APPLICATION PACKAGE) 情報処理要員養成
(汎用パッケージ利用)

1. PERIOD

January 5, 1989 to March 18, 1989 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eleven (11)

3. QUALIFICATIONS

- 1) University graduates or applicants with attainments equal to university graduates
- 2) Having experience in programming with more than one language as follows:
COBOL, FORTRAN, PL/I, BASIC, PASCAL and C
- 3) Under thirty-five (35) years of age
- 4) Having a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Application packages introduction methodology
- 2) Application package -PLANNER
- 3) Application package -ANALYST
- 4) Application package -MDS IV
- 5) Application package system workshop
- 6) TSS (Time Sharing System) usage
- 7) System analysis
- 8) Project management
- 9) Advanced computer technology
- 10) Performance measurement

5. FACILITIES AND INSTITUTION

Okinawa International Centre, (OIC) JICA

6. REMARKS

No. 39

INFORMATION PROCESSING PERSONNEL
(PROGRAMMER) (情報処理要員養成(プログラマー))

1. PERIOD

September 22, 1988 to December 24, 1988 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Persons who are university graduates and have less than one (1) year experience of data processing on mainframe computer
- 2) Less than thirty (30) years of age
- 3) Having a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Computer introduction
- 2) Software introduction
- 3) Programme design methodology
- 4) COBOL introduction
- 5) TSS (Time Sharing System) usage
- 6) COBOL advanced
- 7) File access
- 8) Programming workshop
- 9) Observation tour (Computer manufacturers, computer system centres, research institutes, etc.)

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

PUBLIC UTILITY WORKS

WATER WORKS ENGINEERING (上水道施設)

1. PERIOD

May 16, 1988 to August 12, 1988 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

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

6. REMARKS

SEWAGE WORKS ENGINEERING (下水道技術)

1. PERIOD

August 25, 1988 to November 28, 1988 (3.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Senior technical officers
- 4) Good working knowledge of English
- 5) Under 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 monitoring
 - Advanced wastewater treatment
- 2) *Observation tours*

5. FACILITIES AND INSTITUTIONS

- 1) City Bureau, Ministry of Construction
- 2) Japan Sewage Works Agency

6. REMARKS

No. 42

SOLID WASTE MANAGEMENT AND NIGHT SOIL TREATMENT (廃棄物処理)

1. PERIOD

May 23, 1988 to July 29, 1988 (2.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Three years or more experience in their respective fields
- 3) Technical officials in charge of solid waste management (domestic and industrial solid waste management including night soil treatment) in central or provincial government or in local bodies
- 4) A sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Introduction
 - Planning
 - Refuse collection and transportation
 - Solid waste disposal
 - Night soil treatment
 - Country report
 - Introduction of solid waste analysis
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Planning division, Water Supply and Environment Department, Environmental Health Bureau
- 2) Department of Sanitary Engineering, The Institute of Public Health
- 3) Japan Environmental Sanitation Centre

6. REMARKS

TRANSPORTATION AND TRAFFIC

AIDS TO MARINE NAVIGATION (航路標識)

1. PERIOD

August 25, 1988 to October 29, 1988 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

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

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Maritime Traffic in Japan
 - Aids to Navigation System in Japan
 - Visual Aids to Navigation
 - Outline of Buoys
 - Outline of Radio Aids to Navigation
 - Treatment of Lighthouse Monitoring Equipment
 - Automatic Control for Lighthouse
 - Treatment of Lighting Equipment
- 2) Observation tours
 - Maritime Safety Agency Research Centre
 - Maritime Safety School
 - Omega Data Analysis Centre
 - Tokyo Lighted Beacon
 - Decca Station
 - Loran Station
 - Tokyo Bay Traffic Advisory Service Centre
 - Vessel Traffic Information Station
 - Hesaki Lighthouse
 - Tidal Stream Signal Station
 - Omega Station
 - Aids to Navigation Research Vessel
 - Buoy Tender
 - Wave Activated Generator Factory
 - Buoy Factory
 - Air Cell Factory
 - Solar Battery Factory
 - Chain Factory

5. FACILITIES AND INSTITUTIONS

Maritime Safety Agency

6. REMARKS

No. 44.

AUTOMOBILE ENGINEERING ADMINISTRATION (自動車技術行政)

1. PERIOD

January 19, 1989 to March 1, 1989 (1.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in the field of motor vehicles' administration
- 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

- 1) Lecture
 - Outline of legal system of motor vehicle in Japan
 - Regulation of motor vehicle safety and pollution control measures
 - Motor vehicle maintenance and repair
 - Motor vehicle registration
 - Motor vehicle inspection
 - Motor vehicle transport
 - Controlling traffic operation and reporting traffic accidents
 - Motor vehicle insurance
 - Driver's licence
 - Motor vehicle safety and pollution control
 - Standard and production activities on motor vehicle
 - Road service, adequacy of drivers and traffic control
- 2) Observation and study tours

5. FACILITIES AND INSTITUTIONS

Automobile Inspection & Registration Association

6. REMARKS

RAILWAY ROLLING STOCK ENGINEERING (鉄道車両)

1. PERIOD

July 4, 1988 to September 26, 1988 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 7 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Railways and rolling stocks in Japan
 - Planning and administration of rolling stock
 - Design and specification of rolling stock
 - Procurement and inspection of rolling stock, administration and repair of rolling stock
 - Planning on maintenance and repair of rolling stock
 - Rolling stock maintenance and repair engineering
 - Rolling stock maintenance and repair programme control: railway workshop management
 - Rolling stock *manufacturing engineering*
 - Rolling stock manufacturing process control and factory management
 - Train utilization
 - Industries and facilities related to rolling stock
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Japanese Railways (JR)
- 2) Japan Rolling Stock Exporter's Association
- 3) Ministry of Transport
- 4) Japan Association of Rolling Stock Industries

6. REMARKS

RAILWAY SIGNAL ENGINEERING (鉄道信号)

1. PERIOD

January 12, 1989 to April 26, 1989 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Occupational experience of more than 7 years
- 3) Qualified in their respective fields
- 4) Under 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Types and functions of railway signal used in Japan
 - Control and administration of signal facilities
 - Communication for train operation
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Transport
- 2) Japanese Railways (JR)
- 3) Japan Association of Signal Industries (JASI)

6. REMARKS

MAINTENANCE AND IMPROVEMENT
ENGINEERING OF PERMANENT WAYS (鉄道線路保守改良)

1. PERIOD

May 16, 1988 to August 13, 1988 (3.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 5 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Outline of railway in Japan
 - *Construction of railway in Japan*
planning for construction work, stations designing of track, permanent way structure, etc.
 - Maintenance of track and structure
modern method and techniques of track maintenance for higher speed and low cost, reinforcement of structure, inspection of track, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Transport
- 2) Japanese Railways (JR)
- 3) Japan Railway Construction Public Corporation
- 4) Osaka International Training Centre, JICA

6. REMARKS

RAILWAY ELECTRIFICATION (鉄道電化)

1. PERIOD

October 13, 1988 to December 13, 1988 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 7 years
- 4) Under 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Planning of railway electrification
 - Economic effects by railway electrification
 - Facilities and equipments for railway electrification
 - Planning of train operation
 - Measures for train's speed-up and permanent way
 - Industries concerned and others
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Transport
- 2) Japanese Railways (JR)
- 3) Railway Electrification Association

6. REMARKS

PORTS AND HARBOURS (SEMINAR) (港湾セミナー)

1. PERIOD

September 29, 1988 to November 28, 1988 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
(Senior administrative work)
- 3) Occupational experience of more than 8 years
- 4) Between 35 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Administration and management of ports and harbours
 - Technical aspects of port development
 - Port planning in general
 - Port management and operation
 - Cargo handling operation
 - Discussion on the present situation and problems of ports and harbours in the participating countries
 - Discussion on the port administration, port operation and port planning
 - Intensive case study of a port
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Bureau of Ports and Harbours, Ministry of Transport

6. REMARKS

PORT AND HARBOUR ENGINEERING (港湾工学)

1. PERIOD

May 16, 1988 to September 24, 1988 (4.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seventeen (17)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 40 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 ports and harbour facilities
- 3) Intensive study on harbour works at Onahama Port
- 4) Discussions on technical problems in ports and harbours in participating countries
- 5) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Bureau of Ports and Harbours, Ministry of Transport
- 2) Port and Harbour Research Institute
- 3) District Port Construction Bureaus

6. REMARKS

No. 51

SHIPPING BUSINESS (海運経営実務)

1. PERIOD

May 26, 1988 to July 24, 1988 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eleven (11)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Engaged in shipping authorities or business
- 3) Occupational experience of more than 3 years
- 4) Under thirty five (35) years of age
- 5) Good working knowledges of English

4. DESCRIPTION OF TRAINING

- 1) Lecture
 - Shipping administration in Japan
 - International shipping
 - Shipping legislations
 - Liver business
 - Containerization
 - Tanker business
 - Marine Insurance
 - Ship building
 - Other related lectures
- 2) On-the-job-training
- 3) Observation and study tour

5. FACILITIES AND INSTITUTIONS

- 1) Shipping Bureau, Ministry of Transport
- 2) Maritime International Cooperation Centre

6. REMARKS

ADMINISTRATION FOR SEAMEN'S EDUCATION (船員教育行政)

1. PERIOD

October 20, 1988 to November 30, 1988 (1.5 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 25 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and observations
 - Seamen's education and training
 - Qualification for ships officer
 - Labor standards of seamen
 - Seamen's welfare
 - Employment system for seamen
 - Mariners' insurance system
 - Present situation and the future of shipping
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) *Maritime Technology and Safety Bureau, Ministry of Transport*
- 1) Maritime International Cooperation Centre

6. REMARKS

SHIPBUILDING MANAGEMENT (SEMINAR) (造船経営管理セミナー)

1. PERIOD

May 19, 1988 to July 21, 1988 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) More than 8 years occupational experience in the field of management in the governmental, public, or shipyards organization
- 3) Between 35 and 50 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) General Orientation on Japan
- 2) Lectures
 - Japanese shipbuilding industries
 - Planning, business and financial system of shipyards
 - Production management of shipyards
 - Problem of future strategy in shipbuilding industry
- 3) Discussion on the present situation of shipbuilding management
- 4) Observation tours to major shipyards

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Transport
- 2) Overseas Shipbuilding Co-operation Centre

6. REMARKS

No. 54-1

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

1. PERIOD

April 7, 1988 to December 5, 1988 (8 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) High school graduate with more than three years of seetime, or those who have the equivalent knowledge and experience, preferably including an experience as an officer and should not be in possession of a certificate of STCW III or higher.
- 2) Male, between twenty-two (22) and thirty-five (35) years of age
- 3) Have a sufficient command of spoken and written English
- 4) Good health, both physically and mentally

4. DESCRIPTION OF TRAINING

- | | |
|--|--|
| 1) General Orientation | 12) Cargo Handling and Stowage |
| 2) Japanese Language | 13) Fire Prevention and Fire Fighting Appliances |
| 3) Nautical Instrument | 14) Emergency Procedures |
| 4) Terrestrial and Celestial Navigation | 15) Medical Care and Aid |
| 5) Radar Navigation and Electronic Navigation Aids | 16) Life Saving |
| 6) Voyga Planning | 17) Search and Rescue |
| 7) Ship Construction, Stability and Damage Control | 18) Communication by Radio and Visual Signalling |
| 8) Watchkeeping | 19) Maritime Laws and Regulations |
| 9) Meteorology and Oceanography | 20) IMCO Standard Maritime Navigational Vocabulary |
| 10) Ship Manoeuvring and Handling | 21) Personal Computer |
| 11) Ship Power Plant | |

5. FACILITIES AND INSTITUTIONS

Okinawa Branch of Japan Educational Institute for Seamen (JEIS)

6. REMARKS

No. 54-2

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

1. PERIOD

April 7, 1988 to December 5, 1988 (8 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) High school graduate with more than three years of seetime, or those who have equivalent knowledge and experience, preferably including an experience as an engineer officer and should not be in possession of a certificate of STCW III or higher.
- 2) Male, between twenty-two (22) and thirty-five (35) years of age
- 3) Have a sufficient command of spoken and written English
- 4) Good health, both physically and mentally

4. DESCRIPTION OF TRAINING

- | | |
|---------------------------------------|---|
| 1) General orientation | 14) Basic Knowledge of Engineering |
| 2) Japanese Language | 15) Naval Architecture and Ship Construction |
| 3) Diesel Engines | 16) Jobs in Ship-yards and Watchkeeping |
| 4) Steam Turbines | 17) Procedures for Protection of Marine Environment |
| 5) Gas Turbines | 18) Fire Prevention and Fire Fighting Appliances |
| 6) Propeller and Propulsion Systems | 19) Prevention for Flood and Emergency Procedures |
| 7) Main and Auxiliary Boilers | 20) Medical Care and Aid |
| 8) Auxiliary Machineries | 21) Life Saving |
| 9) Refrigerator | 22) Prevention for Health Hazards |
| 10) Ships' Work-shop | 23) Maritime Laws and Regulations |
| 11) Automatic Control Systems | 24) Personal Computers |
| 12) Electric and Electronic Equipment | |
| 13) Fuels and Lubricants | |

5. FACILITIES AND INSTITUTIONS

Okinawa Branch of Japan Educational Institute for Seamen (JEIS)

6. REMARKS

DEVELOPMENT OF CONTAINER TERMINAL (コンテナ埠頭整備計画)

1. PERIOD

January 12, 1989 to March 7, 1989 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent with occupational experience in development and management of terminal
- 2) Engaged in the field of development and management of container terminal of the government or related public organization
- 3) Between 30 and 45 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Containerization and development of container terminals
 - Planning method of container terminal
 - Development of container terminal
- 2) Intensive study (Case study)
 - Management and maintenance of terminal (Kobe port)
- 3) Observation tours
 - Container terminal of Tokyo, Yokohama, Shimizu and Nagoya Port

5. FACILITIES AND INSTITUTIONS

Bureau of Ports and Harbours, Ministry of Transport

6. REMARKS

MARINE DISASTER PREVENTION AND RESCUE OPERATION (救難防災)

1. PERIOD

September 19, 1988 to December 15, 1988 (3.0 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) University graduates or equivalent with occupational experience of more than five (5) years in the field of marine disaster prevention 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

- Outline of Organization and Service of Maritime Safety Agency (Japan)
- Operation of Patrol Vessel and Aircraft
- System and Service of Search and Rescue Operation
- Case Study of Rescue Operation and Casualty Examples
- Safety Navigation Measures (Measures for Marine Accident Prevention)
- System of Information Collection (Marine Disaster Message Communication, etc.)
- Situation of Marine Pollution and Preventive Measures at Sea around
- System of Marine Disaster Prevention
- Case Study of Marine Disaster Prevention and Casualty Examples
- Measures for Marine Pollution Prevention
- Marine Disaster Prevention Center
- Special Rescue Team, Aqualung-Equipped Vessel (Training System)
- Training Practice on Rescue and Disaster Prevention
- Boarding Patrol Vessel and Aircraft

5. FACILITIES AND INSTITUTIONS

- 1) Japan Maritime Safety Agency (JMSA)
- 2) Maritime Disaster Prevention Training Center

6. REMARKS

No. 57

AERODROME (SEMINAR) (空港セミナー)

1. PERIOD

August 18, 1988 to October 9, 1988 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

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

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Introduction to Civil Aviation in Japan
 - Airport development
 - Airport planning
 - Airport construction and maintenance
 - Management of operation of airport
- 2) Discussion on the subjects of country reports
- 3) Observation tours

5. FACILITIES AND INSTITUTIONS

Civil Aviation Bureau, Ministry of Transport

6. REMARKS

AIRPORT MANAGEMENT AND SECURITY (Seminar)

(空港管理・保安セミナー)

1. PERIOD

January 26, 1989 to March 6, 1989

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) University graduate, or equivalent with occupational experience of more than 5 years
- 2) Presently engaged in airport management and aviation security in Ministry of Transport and Airport Authority.
- 3) Under 45 years of age
- 4) Good working knowlege of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Present Situation of Civil Aviation in Japan
 - Airport Management
 - Aviation Security
- 2) Presentation of country report
- 3) Observation Tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Transport
- 2) Japan Transport Consultants Association

6. REMARKS

URBAN TRANSPORT (SEMINAR) (都市交通セミナー)

1. PERIOD

May 19, 1987 to July 11, 1988 (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) General orientation on Japan
- 2) Lectures
 - Outline of urban transport in Japan
 - Specific characteristics of each mode
 - Method of general urban transport planning
 - Case study of the actual railway project
- 3) Discussion on the subjects of country reports
- 4) Observations

5. FACILITIES AND INSTITUTIONS

Ministry of Transport
Japan Transport Consultants Association

6. REMARKS

No. 60

COMPREHENSIVE URBAN TRANSPORTATION PLANNING

(総合都市交通施設計画)

1. PERIOD

October 17, 1988 to December 14, 1988 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

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

4. DESCRIPTION OF TRAINING

- 1) Presentation of country reports and discussions
- 2) Lectures
 - Viewpoint of urban transportation planning
 - Socio-economic system and urban transportation planning
 - Urban transport survey system
 - Comprehensive urban transportation planning
 - Urban transport facilities planning
- 3) Observation tours
- 4) Practices
 - Urban transportation planning

5. FACILITIES AND INSTITUTIONS

Ministry of Construction

6. REMARKS

SEISMOLOGY AND EARTHQUAKE ENGINEERING (地震工学)

1. PERIOD

August 29, 1988 to July 30, 1989

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eighteen (18)

3. QUALIFICATIONS

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

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Both of 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 (IISEE), Building Research Institute, Ministry of Construction
- 2) Tsukuba International Centre, JICA

6. REMARKS

No. 62

SEISMOLOGY AND EARTHQUAKE ENGINEERING (地震工学セミナー)
(SEMINAR)

1. PERIOD

July 27, 1988 to August 26, 1988 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATIONS

- 1) Preferably ex-participants 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 years of age
- 4) Having a sufficient command of spoken and written English
- 5) Good health

4. DESCRIPTION OF TRAINING

- 1) Attend the 9th World Conference on Earthquake Engineering
- 2) Seminar on present conditions of structures which have suffered many earthquake damages in recent earthquakes and their main causes
- 3) Disaster-prevention countermeasures for structures which have suffered earthquake damages.

5. FACILITIES AND INSTITUTIONS

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

6. REMARKS

METEOROLOGY (気象学)

1. PERIOD

September 1, 1988 to December 22, 1988 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Be presently engaged in meteorological observation or forecasting, of the governmental or related public bodies
- 3) Occupational experience of more than 3 years
- 4) Under forty (40) years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
- Practical meteorology, meteorological observation, data processing, telecommunication systems, satellite data application, marine meteorological service, and aviation weather service.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Japan Meteorological Agency
- 2) Meteorological Research Institute of JMA
- 3) Meteorological Satellite Centre of JMA
- 4) Meteorological College of JMA

6. REMARKS

INFRASTRUCTURE

1. PERIOD

August 18, 1988 to November 4, 1988 (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 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Structural analysis of bridges
 - Bridge design theory
 - Design and construction of reinforced concrete bridge
 - Design and construction of prestressed concrete bridge
 - Design and construction of composite beams
 - Design and construction of foundation
 - Aerodynamic design
 - Maintenance of bridge
- 2) Observation

5. FACILITIES AND INSTITUTIONS

Ministry of Construction

6. REMARKS

No. 65

HIGHWAY CONSTRUCTION (SEMINAR) (ハイウェイセミナー)

1. PERIOD

September 22, 1988 to November 13, 1988 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Graduated from university or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 5 years
- 4) Under 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Road system planning
 - Maintenance and repairs
 - Pavement earth work
- 2) Observation tours
 - Road Traffic Information Centre
 - Kansai district

5. FACILITIES AND INSTITUTIONS

- 1) Road Bureau, Ministry of Construction

6. REMARKS

CONSTRUCTION ENGINEERING (CIVIL WORKS) (建設施工)

1. PERIOD

August 29, 1988 to December 15, 1988 (4 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) Occupational experience of more than 5 years in planning, design, execution and project control of civil works
- 3) Good working knowledge of English
- 4) Under 40 years of age

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - International Construction Project
 - Basic engineering
 - Construction Management
 - Construction Technology (Road and Others)
- 2) Observation
 - Visit and observation to construction site
 - Study tour

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Construction
- 2) Faculty of Engineering, Kyoto University
- 3) Osaka International Training Centre, JICA

6. REMARKS

No. 67

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

1. PERIOD

September 26, 1988 to December 12, 1988 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) University graduates in the related sciences or technologies, or those who have equivalent qualification in the field of disaster prevention administration
- 2) Should have experiences of more than seven (7) years in this field
- 3) Under 40 years of age
- 4) 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 an earthquake
 - Rainfall disaster and flood control
 - Prevention against slope failure and other geological hazards
- 2) Advanced study
- 3) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) National Research Center for Disaster Prevention
- 2) Tsukuba International Centre, JICA

6. REMARKS

No. 68

SOIL ENGINEERING AND FOUNDATION (土質及び基礎工学)

1. PERIOD

October 17, 1988 to December 14, 1988 (2.5 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 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
 - Outline of ground water
 - 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

Ministry of Construction

6. REMARKS

No. 69

REGIONAL DEVELOPMENT PLANNING (SEMINAR) (国土開発セミナー)

1. PERIOD

October 13, 1988 to November 26, 1988 (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) 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

National Land Agency

6. REMARKS

RIVER and DAM ENGINEERING (河川及びダム工学)

1. PERIOD

July 14, 1988 to November 17, 1988 (4.5 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 3 years in the field of river administration or water resources development
- 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 (Statistical procedure of hydrological data and the run-off analysis)
- 3) River Planning (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) SABO (Erosion and sediment control) works
- 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 will learn the techniques for dam project

No. 71

CITY PLANNING (都市計画)

1. PERIOD

August 4, 1988 to October 15, 1988 (2.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eleven (11)

3. QUALIFICATIONS

- 1) University graduates or equivalent with occupational experience of more than 3 years
- 2) Present engagement in city planning
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Urban problems in Japan
 - Regional planning system in Japan
 - City planning system in Japan
 - Land-use planning and building regulations
 - Planning and development of transportation facilities
 - Planning and development of Parks and Greens
 - Planning and development of sewage system and water supply
 - Urban development project
 - Development of new resident cities
 - Housing plan
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Ministry of Construction

6. REMARKS

URBAN DEVELOPMENT (都市整備)

1. PERIOD

May 9, 1988 to June 23, 1988 (1.6 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) University graduates or equivalent with occupational experience of more than 3 years
- 2) Presently engaged in planning and/or implementation of urban development and redevelopment
- 3) Under forty (40) years of age
- 4) A sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures and observations 15 days
 - Present situation of Japanese cities
 - Japanese policy for urban areas
 - Japanese administrative system and budget for urban development
 - Outline of city planning
 - Outline of Urban Development and Urban Facility Improvement
 - KUKAKU-SEIRI (Land Readjustment Project)
 - Urban Area Renewal Project
 - New Town Development Project
- 2) Presentation and Discussion of Country Report 4 days
- 3) Free Discussion 1 day
Evaluation of various development and redevelopment measures and discussion on the applicability of each measures.
- 4) Observation tours 9 days

5. FACILITIES AND INSTITUTIONS

Ministry of Construction

6. REMARKS

HOUSING (住宅建設)

1. PERIOD

October 20, 1988 to December 12, 1988 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eleven (11)

3. QUALIFICATIONS

- 1) Mid-career officers in charge of housing policy
- 2) University graduates or equivalent
- 3) Between 30 and 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Housing conditions and policies in Japan
 - *Public housing supply*
 - Housing finance
 - Urban planning system
 - Development of residential area
 - Modernization of housing production
 - Planning and development of new town
 - Housing problem and housing policy in developing countries
- 2) Group study
- 3) Presentation of country reports
- 4) Observation tours

5. FACILITIES AND INSTITUTIONS

Ministry of Construction

6. REMARKS

No. 74

IMPROVEMENT OF HOUSING AND LIVING
ENVIRONMENT (SEMINAR) (住宅・住環境改善セミナー)

1. PERIOD

February 2, 1989 to March 5, 1989 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalents,
- 2) Be experienced officials in charge of executing various developmental projects on housing and living environment at the central of local government or at the related governmental organization,
- 3) Be between thirty (30) and forth-five (45) years of age,
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Housing problems and countermeasures in Japan
 - Improvement projects on housing and living environment
 - History of the housing policy and technological development in Japan
 - Rural development in housing and living environment
 - Housing problems and countermeasures in the third world countries
- 2) Special Discussion based on Country Report
- 3) Group Study
- 4) Study Tour

5. FACILITIES AND INSTITUTIONS

Ministry of Construction

6. REMARKS

No. 75

BUILDING ENGINEERING (建築技術)

1. PERIOD

April 14, 1988 to June 15, 1988 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirteen (13)

3. QUALIFICATIONS

- 1) University graduates or equivalents with occupational experience of more than five years
- 2) Be officials of the government or the related government organization
- 3) Under 45 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

1) Lectures

- Introduction
- Building standard law
- Public building activities
- Private building activities
- Research and educational activities
- Building planning technique
- Standards, standardization and experiment
- Building construction technique

2) Observation tours

3) Country report

4) Group study

5. FACILITIES AND INSTITUTIONS

6. REMARKS

SURVEYING AND MAPPING (PHOTOGRAMMETRY) (測量技術)

1. PERIOD

July 25, 1988 to February 10, 1989

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) Be junior engineers engaged in photogrammetry at present or in the near future, and have the knowledge of mathematics and chemistry of senior high school finished level or equivalent with occupational experience of more than 2 years in the field of photogrammetric works.
- 2) Good working knowledge of English.
- 3) Under thirty-five (35) years age.

4. DESCRIPTION OF TRAINING

- 1) Introduction (Current activities for surveying and mapping in Japan and the activities for geodetic surveying of GSI).
- 2) Mathematics for photogrammetry
- 3) Theory of photogrammetry
- 4) Aerial photogrammetry
- 5) Applied photogrammetry
- 6) Photo map
- 7) Management
- 8) Technical report

5. FACILITIES AND INSTITUTIONS

- 1) Geographical Survey Institute (GSI), Ministry of Construction
- 2) Tsukuba International Centre, JICA

6. REMARKS

HYDROGRAPHIC SURVEY (水路測量)

1. PERIOD

April 18, 1988 to November 6, 1988 (6.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalents with some occupational experience in hydrographic services
- 2) Present employment at national hydrographic office or other related organization
- 3) Under forty (40) years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- | | |
|--|---|
| <ol style="list-style-type: none">1) Lectures<ul style="list-style-type: none">ComputingPhysics: TheoryApplied PhysicsHydrography: Control
(Geodesy, Projections, Horizontal Control,
Vertical Control, Astronomy, etc.)Hydrography: Practice
(Positioning at Sea, Track Control, Measure-
ment of Tide, Determination of Depth, etc.)Environmental
(Meteorology, Oceanography, Tides, etc.)Nautical Science
(Navigation, Seamanship, etc.)Legal AspectsNautical Charting Surveys
(Sweeping, Tides and Tidal Streams, Photo-
grammetry, Data Processing, Law of the Sea,
etc.)Port and Harbour Surveys
(Control Surveys, Determination of Position,
Special Purpose Survey and Operations,
Sedimentology, etc.) | <ol style="list-style-type: none">2) Practice<ul style="list-style-type: none">Data Processing of Harbour and Coastal SurveysComputer ProgrammingControl SurveysAstronomyCartography3) Field Training<ul style="list-style-type: none">Field Training of Harbour and Coastal SurveysField Training of Navigation, Seamanship,
Submarine Geology, etc. on board Survey
Vessel SHOYO, 1,900 tons4) Observation and Study Tours |
|--|---|

5. FACILITIES AND INSTITUTIONS

Hydrographic Department, Maritime Safety Agency

6. REMARKS

No. 78

PHYSICAL OCEANOGRAPHIC SURVEY (海洋物理探査)

1. PERIOD

October 31, 1988 to March 15, 1989 (5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) College graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) College graduates or equivalent
 - Dynamics of ocean current
 - Tide and tidal current
 - Field training of oceanographic observation
 - Data processing of oceanographic observation
 - Field training of tide and tidal current observation
 - Data processing of tidal current observation
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Hydrographic Department, Maritime Safety Agency

6. REMARKS

