

**OUTLINE OF
THE TRAINING COURSES
SPECIALLY OFFERED IN FISCAL 1993
IN JAPAN**

COURSES STARTING BETWEEN APRIL 1993 AND MARCH 1994

(平成5年度 特設コース コース概要)



**JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)**

研 開

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NOTE

This catalog gives the outline (not all detailed explanation) of each of the training courses specially offered in fiscal 1993 in Japan by JICA.

It is intended to describe particular points of the respective courses in the limited space of this catalog, and thus some of the common facts and conditions such as follows are not mentioned under each course.

**-common points not mentioned on each page-
(applicable to all courses)**

- 1) **PURPOSE:** to contribute to promotion of mutual understanding
- 2) **CURRICULUM:** Briefing/orientation session, country report, observation/study visit, and wrap-up/evaluation session are basic elements of curriculum.
- 3) **QUALIFICATION OF APPLICANT:**
 - (a) to be nominated by his/her government in accordance with the relevant procedures
 - (b) to have sufficient command of English (as for some courses, French) language
 - (c) to be in good health, both physically and mentally, to undergo the training (Pregnancy is regarded as a disqualifying condition.)
 - (d) not to be serving in the military

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DEVELOPMENT PLAN

開発計画

SEMINAR ON ODA LOANS**1. PURPOSE**

This Seminar is designed:

- (1) to facilitate smooth and effective implementation of OECF loans, by enhancing participants' understanding of its system and procedures through lectures and discussions.
- (2) to exchange views on operation of OECF loans among participants and the officials of the OECF.

2. DURATION

From September 30, 1993 to October 31, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty-two (22) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

The curriculum is made up of the following two parts.

- 1) "International Symposium on Economic Cooperation on the occasion of International Cooperation Day"
- 2) seminar on the OECF loans
The following major subjects will be covered:
 - a. roles and activities of OECF in Japan's economic cooperation
 - b. types of OECF loans
 - c. OECF project cycle
 - d. loans to and equity investments in Japanese corporations
 - e. presentation and discussion of Country Report prepared by participants

5. QUALIFICATION OF APPLICANT

- 1) senior officer of a competent government office in charge of matters directly related to overall administration of OECF loans
- 2) have work experience of at least two years in the field of foreign aid receiving and development project
- 3) university graduate or equivalent
- 4) desirably between 30 and 45 years old of age

6. TRAINING INSTITUTIONS

- 1) Institute for International Cooperation (IFIC), JICA
- 2) Overseas Economic Cooperation Fund (OECF)

7. REMARKS

**SEMINAR ON INTRODUCTION TO JAPAN'S INTERNATIONAL
COOPERATION ACTIVITIES**

1. PURPOSE

This Seminar is designed:

- (1) to familiarize participants with the policy and programmes of Japan's international cooperation;
- (2) to familiarize participants with the concept, mechanism, and procedures of programmes of Japan International Cooperation Agency;
- (3) to exchange views on operation of international cooperation with Japan among participants and JICA staff members; and
- (4) to expose participants with Japan and the Japanese to develop friendship and mutual understandings.

2. DURATION

From January 27, 1994 to February 17, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

The following topics will be covered in the seminar,

- 1) general introduction to Japan and the Japanese.
- 2) general introduction to Japan's international cooperation.
 - (a) Ministry of Foreign Affairs and Japan's policy
 - (b) JICA and her role
 - (c) Overseas Economics Cooperation Fund (OECF) and her role
 - (d) other agencies
 - (e) country-wise/region-wise approach by JICA
 - (f) future of JICA's international cooperation programmes with developing countries
- 3) JICA's programmes and their procedures.
 - (a) introduction
 - (b) case study on some project-type technical cooperation projects
 - (c) logical framework of project cycle management
 - (d) observation of affiliated organs of JICA including JOCV secretariat and its Training Institute, and Institute for International Cooperation
- 4) discussion for better cooperation implementation

5. QUALIFICATION OF APPLICANT

- 1) official in the rank of director of the division in charge of the International Cooperation Programme at the Central Government

6. TRAINING INSTITUTIONS

- 1) Institute for International Cooperation (IFIC), JICA

7. REMARKS

**GENERAL MANAGEMENT SEMINAR FOR REGIONAL DEVELOPMENT
AND PLANNING**

1. PURPOSE

The training will be organized in an effective combination of case studies, lectures, field on-the-spot surveys aimed at acquisition of the control techniques including planning of national development in the developing countries, administrative affairs called for in carrying out the plans, as well as the planning and implementation procedures involved in the development of Hokkaido

2. DURATION

From September 28, 1993 to November 14, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course, the emphasis is put on lectures, case studies, field on-the-spot surveys.

The main themes are;

- 1) the way to plan and manage regional development policy through studying several projects in Hokkaido
- 2) the various methods of planning and promoting local-level projects
- 3) the basic knowledge of close relation between development planning and environment problems
- 4) the basic policy and systems for regional development in Hokkaido

5. QUALIFICATION OF APPLICANT

- 1) engaged in the planning or implementation of national or regional development projects and policy
- 2) university graduate or equivalent
- 3) over 25 and under 40 years of age

6. TRAINING INSTITUTIONS

- 1) Hokkaido Branch Office, JICA
- 2) Hokkaido Development Agency

7. REMARKS

ADMINISTRATION

行 政

ADVANCED COURSE FOR SENIOR POLICE ADMINISTRATORS**1. PURPOSE**

This course is not a technical course for specific knowledge or skill in police service, its purpose is rather to provide participants who are expected to be top leaders of respective countries' police authorities with opportunities for study of overall aspects on Japanese police service such as police organization and management, police activities and various investigative techniques, and for discussion of issues on respective countries' police affairs, thus to contribute to the further improvement of each country's police service and development of society.

2. DURATION

From April 20, 1993 to September 9, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Fourteen (14) (Two participants from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This course is designed to cover the following themes

- 1) Japanese police and current situation of participating countries' police activities
 - (i) organization, authority of police of Japan and presentation of papers prepared in advance by participant
- 2) overall aspects of police service
 - (i) community policing
 - (ii) criminal investigation, identification
 - (iii) administration of the police organization
 - (iv) crisis management
- 3) problems and cue for the solutions
 - (i) report making and presentation (participants are expected to select appropriate topic for the research paper individually)
- 4) international solidarity and cooperation
 - (i) field observation of prefectural police

5. QUALIFICATION OF APPLICANT

- 1) assistant director of division in the central police organization, or in a position which corresponds to this, who is expected to be one of top leaders in the central police organization in the future (approximately from Police Inspector to Superintendent at present)
- 2) aged between 27 and 40 years
- 3) have never been trained in Japan under the JICA technical cooperation scheme

6. TRAINING INSTITUTIONS

- 1) Tokyo International Centre (TIC), JICA
- 2) International Research and Training Institute for Criminal Investigation (IRTICI), National Police Academy
- 3) Education and Training Division, Police Administration Bureau, National Police Agency (NPA)

7. REMARKS

- 1) This course is organized for Asian Pacific regions and Oceanian countries.
- 2) A compulsory intensive Japanese language course will be conducted prior to the main training for two weeks.

LOCAL GOVERNMENT ADMINISTRATION AND PUBLIC SERVICES**1. PURPOSE**

To introduce the general framework of Japanese local governments and public services to civil workers of medium-scale local governments in developing countries, and to provide them with practical training in tax system, educational administration, public welfare, health, medical care, environmental sanitation, etc. as well as in techniques for local revitalization and programs for maintenance of local cities.

2. DURATION

From September 2, 1993 to December 12, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course, the following topics will be covered by lectures and study tours:

- systems of local civil services and administration
- environmental sanitation, water supply and sewage work, health and medical care, public welfare, education, agriculture and forestry, promotion of commerce and industry
- system of parliamentary election
- services for citizens (e. g. services at the window)

5. QUALIFICATION OF APPLICANT

- 1) college graduate or equivalent
- 2) three or more years of experience in leadership or management positions (i. e. chiefs or managers) at local government
- 3) 40 years old or older in age

6. TRAINING INSTITUTIONS

- 1) Osaka International Training Centre (OITC), JICA
- 2) Ibaraki City Hall

7. REMARKS

- 1) A compulsory intensive Japanese language course will be conducted prior to the technical training for one week (25 hours).

SEMINAR ON GOVERNMENT HUMAN RESOURCE MANAGEMENT**1. PURPOSE**

This seminar introduces participants to the current Japanese human resource management policy of the government, which supports national prosperity.

Although the actual framework of human resource management varies from country to country, understanding the dynamism of human resource management in Japan may be of great help in identifying crucial problems of human resource management in other countries.

The purpose of this seminar is thus to assist participants in forming policies of human resource management which are suitable for their own country's circumstances.

2. DURATION

From September 5, 1993 to September 24, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

The following topics will be covered in the seminar.

- 1) theory of human resource management
 - (a) introduction to civil service system in Japan
 - (b) role of human resource management in Japan
- 2) practice of human resource management
 - (a) actual practice (working incentives, career development, current problems, characteristics of bureaucracy in Japan)
 - (b) human resource management in private companies

5. QUALIFICATION OF APPLICANT

- 1) senior class official (division director or above) in charge of personnel policy formation in central personnel agencies
- 2) university graduate or equivalent, with occupational experience of more than ten years (at least two years of which in the government)

6. TRAINING INSTITUTIONS

- 1) Institute for International Cooperation (IFIC), JICA
- 2) National Personnel Authority

7. REMARKS

SEMINAR ON INDUSTRY AND TRADE POLICIES OF JAPAN**1. PURPOSE**

The purpose of the Seminar is to introduce to the participants (1) Japan's experience in economic development, and (2) Japan's industrial and trade-related policies and the roles they have played. It is hoped that the insights thus gained will help them in working out policies for their own countries.

2. DURATION

From May 11, 1993 to June 25, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirteen (13) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

The following major subjects will be covered in the Seminar.

1. lecture-cum-discussion
 - (1) overall review of Japan's experience
 - (2) strategies of industry and trade policies of Japan
 - (3) specific policy measures of Japan
 - e. g.
 - a. finance
 - b. taxation
 - c. R & D technology
 - d. industrial location
 - e. environmental issues
 - f. small-and medium-scale industries
2. study visits
3. field trip
4. presentation of and discussion on Country Report
5. Final Report writing, presentation and discussion

5. QUALIFICATION OF APPLICANT

- 1) government officials in charge of industrial policy or international trade policy
- 2) have more than eight-year experience in this field
- 3) have no previous experience in studying Japan in Japan
- 4) university graduate or equivalent
- 5) between 30 and 45 years of age

6. TRAINING INSTITUTIONS

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

7. REMARKS

Participants should write Final Reports, which will highlight the crucial policy issues in industrial development of their own countries.

FISCAL AND MONETARY POLICY**1. PURPOSE**

The purpose of the course is to provide the participants with the information and knowledge concerning policies and policy-making processing in fiscal and monetary affairs in Japan so that the participants would be able to make the best use of those knowledge and to play greater role in fiscal and monetary policy making in their respective countries.

2. DURATION

From August 31, 1993 to December 15, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

To enhance one's capabilities to recognize and solve difficult problems in fiscal and monetary affairs from the theoretical and systematic points of views, the following subjects are referred to;

- i) Japan's fiscal & monetary policy
- ii) history of fiscal and monetary policy
- iii) Japan's economy
- iv) economic policy
- v) financial markets and trade relations
- vi) public finance system
- vii) the revolution of the monetary system
- viii) fiscal and monetary policy in developing countries

5. QUALIFICATION OF APPLICANT

- 1) central government official in the authorities concerned with fiscal and monetary affairs, with approximately five years of professional experience in the said field
- 2) under 35 years of age
- 3) holder of bachelor degree in economics, or equivalent

6. TRAINING INSTITUTIONS

- 1) Tokyo International Centre (TIC), JICA
- 2) Institute of Fiscal and Monetary Policy, Ministry of Finance
- 3) Foundation for Advanced Information and Research (FAIR)

7. REMARKS

There will be approximately 20 fellows from Asia, East Europe and Pacific regions, E. C., U.S.A. and Japan joining this course, since it is designed as joint programme with the Japanese Ministry of Finance.

SEMINAR ON TRANSITION TO A MARKET ECONOMY

1. PURPOSE

- (1) to introduce Japan's experiences of economic development policies to the participants, and
- (2) to identify the appropriate models of economic transition for the respective countries through lectures, report-presentations, discussions and field trips.

2. DURATION

From November 9, 1993 to December 4, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This seminar is programmed for participants to increase knowledge on various patterns of economic development and policies in the transition processes.

Subjects of lectures are as follows.

- industrial policy
- monetary policy
- human resource development
- industrial relations and labour practices in Japan, etc.

5. QUALIFICATION OF APPLICANT

- 1) those who have an academic background in economics or those having a proper experiences in and knowledge on economic policy and planning
- 2) between 30 and 40 years of age

6. TRAINING INSTITUTIONS

- 1) Institute for International Cooperation (IFIC), JICA
- 2) Economic Planning Agency

7. REMARKS

Countries allocated to this seminar are limited.

**INDUSTRIAL ENERGY USE AND
EXHAUST GAS TREATMENT TECHNOLOGY**

1. PURPOSE

- (1) teach current theories, and introduce information and technologies concerning industrial exhaust gas treatment and industrial energy utilization,
- (2) enhance abilities to plan, execute and evaluate projects concerned,
- (3) acquire methods for solving the problems of control and treatment of industrial exhaust gas, and
- (4) provide participants with opportunities to exchange information about how to deal with problems concerning industrial energy use and exhaust gas treatment technologies.

2. DURATION

From April 12, 1993 to May 26, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This course will be conducted in the form of lecture/discussion, practice and observations of the organizations concerned.

The main themes are:

- 1) general knowledge of historical background and present status of Yokkaichi city
- 2) history of environmental pollution in Yokkaichi and measures taken by government and industries
- 3) present status of environmental assessment and cooperation between administration and industry
- 4) information on the current trend in basic and advanced techniques and case study in operation control and exhaust gas treatment, and energy and resource saving and industrial waste treatment
- 5) exercise for measuring and monitoring of environmental pollution

5. QUALIFICATION OF APPLICANT

- 1) university graduate or equivalent with more than three years of occupational experience in this field
- 2) presently engaged in this field at industries, research institutes or vocational institutes
- 3) between 26 and 40 years of age

6. TRAINING INSTITUTIONS

- 1) Nagoya International Training Centre (NITC), JICA
- 2) International Center for Environmental Technology Transfer (ICETT)

7. REMARKS

SAVING AND RE-USING INDUSTRIAL WATER**1. PURPOSE**

Along with the economic development, especially in the industrial sector, the emphasis should be placed upon saving water resources and prevention of water pollution. Thereby, the course aims at introducing the participants the effective countermeasures and new technology useful for the waste water management.

2. DURATION

From September 7, 1993 to October 31, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

The course covers following subjects;

- 1) outline of Japan's waste water management
- 2) laws and regulations concerning environmental protection
- 3) technology on water treatment and Re-use, desalination, purification, building drainage sewage treatment
- 4) visits to research laboratories related plants and facilities for water treatment

5. QUALIFICATION OF APPLICANT

- 1) university graduate majoring engineering, or equivalent
- 2) have more than five year practical experience in the waste water management
- 3) engaged in government office or public corporation
- 4) between 30 and 50 years of age

6. TRAINING INSTITUTIONS

- 1) Tokyo International Centre (TIC), JICA
- 2) Water Re-Use Promotion Center
- 3) Ministry of International Trade and Industry

7. REMARKS

SEMINAR ON PROMOTION OF OZONE LAYER PROTECTION
IN ASIAN COUNTRIES

1. PURPOSE

The purposes of this Seminar are to assist Asian developing countries in:

- 1) participating in the "Montreal Protocol on Substances that deplete the Ozone Layer"; and
- 2) complying with the Protocol by providing the latest information on ozone layer depletion, the Montreal Protocol (including amendments), and Japanese legislative and institutional arrangements.

2. DURATION

From November 29, 1993 to December 11, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

The curriculum consists of the following three parts.

- 1) lectures
 - (a) overview of ozone layer science
 - (b) environmental impact of increased UV-B radiation
 - (c) outline of the Vienna Convention and the Montreal Protocol, and legislative and institutional arrangements in Japan
 - (d) overview of technologies to reduce ozone layer depleting substances
 - (e) state of development on alternative technologies to reduce consumption of ozone layer depleting substances
 - (f) monitoring of ozone layer
- 2) field visit
- 3) presentation and discussions
 - (a) presentation of Country Reports
 - (b) group discussions on the promotion of ozone layer protection in the participating countries

5. QUALIFICATION OF APPLICANT

- 1) senior staff members who are presently engaged in a government administrative organization and are in charge of ozone layer protection
- 2) university graduate or equivalent
- 3) from 35 to 50 years of age

6. TRAINING INSTITUTIONS

- 1) Institute for International Cooperation (IFIC), JICA
- 2) Environmental Agency

7. REMARKS

SEMINAR TO COPE WITH GLOBAL WARMING IN ASIA PACIFIC REGION**1. PURPOSE**

The purpose of this seminar is to assist Developing Countries in Asia and the Pacific in:

- (1) participating in the "Framework Convention on Climate Change" and,
- (2) preparing for the implementation of the Framework Convention by providing the latest information on global warming, the Framework Convention of Climate Change, and Japanese legislative and institutional arrangements.

2. DURATION

From December 2, 1993 to December 15, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

The curriculum consists of the following three parts.

- 1) Lectures
 - (a) overview of scientific information on global warming including its mechanism and impacts
 - (b) outline of the Framework Convention on Climate Change
 - (c) methodologies to develop inventories of GHG sources and sinks
 - (d) outline of legislative and institutional system to comply with the Convention, with the example of Japanese case
 - (e) overview of technologies and countermeasures to limit GHG emissions
 - (f) forest conservation as countermeasures to protect and enhance GHG sinks
- 2) field trip and study visit
- 3) presentation and discussions
 - (a) presentation of Country Reports
 - (b) group discussions on the promotion of countermeasures against global warming in the participating countries

5. QUALIFICATION OF APPLICANT

- 1) senior officers who are presently working in a government administrative organization and are in charge of global warming issue
- 2) university graduate or equivalent
- 3) more than 35 years of age

6. TRAINING INSTITUTIONS

- 1) Institute for International Cooperation (IFIC), JICA
- 2) Environment Agency

7. REMARKS

MANAGEMENT OF INDUSTRIAL EFFLUENT AND WASTE**1. PURPOSE**

The course is designed to contribute to upgrade knowledge and techniques of the participants in the field of the management of industrial effluent and waste through lectures and observations, so as to enable them to contribute to the promotion of the most effective & appropriate measures for the environmental protection.

2. DURATION

From January 25, 1994 to March 10, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM**5. QUALIFICATION OF APPLICANT****6. TRAINING INSTITUTIONS**

- 1) Nagoya International Training Centre (NITC), JICA
- 2) International Center for Environmental Technology Transfer

7. REMARKS

ANALYSIS AND INTERPRETATION OF STATISTICS**1. PURPOSE**

This course is designed for experienced statisticians who are engaged in data production, particularly those who analyze, interpret and prepare statistical reports for policy makers, planners and other decision makers.

The purpose of the course is to assist the participating countries in strengthening their statistical capabilities; specifically in analysis and interpretation of statistics and report writing.

2. DURATION

From July 20, 1993 to September 26, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

Curriculum consists of the following subjects:

- 1) introduction to statistical analysis
- 2) methods of statistical analysis
- 3) 1 economic statistics and national accounts
2 demographic and social statistics
- 4) workshops/seminars
- 5) statistical computing
- 6) project work

5. QUALIFICATION OF APPLICANT

- 1) have a basic knowledge of statistics
- 2) have a university degree in either statistics, mathematics, economics, sociology or have passed the six months General or Practical Statistics Course of SIAP or have similar training from another recognized institution
- 3) have at least five years experience in survey/census related work or in the construction/analysis of statistical indicators
- 4) over 30 years and not more than 45 years of age
- 5) have sufficient knowledge of statistical computing (in particular, applicants should have basic knowledge of DOS, and have some experience with at least one word processing package, and preferably one tabulation and/or graphics package)

6. TRAINING INSTITUTIONS

- 1) Tokyo International Centre (TIC), JICA
- 2) Statistical Institute for Asia and the Pacific (SIAP)

7. REMARKS

This course is conducted according to the agreement between the Government of Japan and the United Nations Development Programme, and organized mainly for ESCAP countries.

FABRICATION AND APPLICATION OF INTERFACE CIRCUITS
FOR THE MICROPROCESSOR

1. PURPOSE

The purpose of the course is to provide a training on design, fabrication and application of interfaces for teaching personnel (professors, instructors) engaged in technological education with the aim of enabling the participants to establish instruction methods for designing and troubleshooting of equipment controlled by microprocessors.

2. DURATION

From October 5, 1993 to December 20, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

The course will consist mainly of lectures and laboratory work.

The subjects are as follows:

- 1) use of a single board microcomputer
- 2) architecture of Z80CPU
- 3) Z80 programming (assembly language)
- 4) data input-output technology
- 5) control of actuators
- 6) design and fabrication of interface circuits

5. QUALIFICATION OF APPLICANT

- 1) university graduate and teaching personnel engaged in technological education
- 2) have fundamental knowledge of electronic circuits, digital circuits and personal computer
- 3) under 35 years age

6. TRAINING INSTITUTIONS

- 1) Tohoku Branch Office, JICA
- 2) Sendai National College of Technology

7. REMARKS

PUBLIC UTILITY WORKS

公 益 事 業

WATERWORKS ENGINEERING**1. PURPOSE**

The course is designed to basic knowledge and practical technique in the field of water distribution/ service pipes and maintenance and control of distribution facilities.

2. DURATION

From August 24, 1993 to November 22, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course, the emphasis is put on the technical exercises.

It mainly deals with;

- 1) waterworks facilities
- 2) water distribution control
- 3) water distribution planning and pipe network
- 4) water service installations

5. QUALIFICATION OF APPLICANT

- 1) working at waterworks bureaus and have more than three years practical experience there
- 2) university graduate or equivalent
- 3) over 25 and under 45 years of age

6. TRAINING INSTITUTIONS

- 1) Hokkaido Branch Office, JICA
- 2) Waterworks Bureau, Sapporo City

7. REMARKS

OPERATION AND MAINTENANCE FOR SEWERAGE FACILITIES**1. PURPOSE**

The course is designed for technical administrative officials engaged in providing sewerage works in developing countries. The purpose of this course is to give them training in the maintenance of sewers and wastewater treatment plants, utilization of resources (i. e., treated wastewater and sludge), and control of water pollution due to industrial wastewater, and thereby to improve their capability of managing and carrying out sewage works.

2. DURATION

From August 19, 1993 to October 21, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course, the emphasis is put on practice and exercise concerning to operation and maintenance of sewerage facilities.

It mainly deals with;

- 1) basic concept of sewerage system
- 2) maintenance of sewers
- 3) management of wastewater treatment plants
- 4) utilization of treated wastewater and sludge
- 5) controlling water pollution the due to industrial wastewater

5. QUALIFICATION OF APPLICANT

- 1) university graduate or equivalent in this field, and have more than three years of practical experience
- 2) senior technical officers in charge of sewage works in central or provincial government, or in local bodies
- 3) under 40 years of age

6. TRAINING INSTITUTIONS

- 1) Hokkaido Branch Office, JICA
- 2) Sewerage Bureau, Sapporo City

7. REMARKS

SEWERAGE TECHNOLOGY FOR STORMWATER DRAINAGE**1. PURPOSE**

The purpose of this course is to offer technical administrative officers an opportunity to acquire knowledge and technological know-how on sewerage system improvements (basic planning, designing, construction, and maintenance), with emphasis on rainwater drainage works in urban areas, and hence contributing to the improvement of the expertise of the leading administrative officers in this field, and the effective execution of sewerage system improvements in developing countries.

2. DURATION

From September 2, 1993 to December 9, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course, the emphasis is put on laboratory experiments and introduction of Japanese experience.

The main themes are:

- 1) introduction to sewerage system
- 2) urbanization and urban drainage
- 3) improvement of urban sewerage system and countermeasures against stormwater
- 4) designing and construction of urban drainage facilities
- 5) maintenance of urban drainage facilities
- 6) improvement of urban infrastructure

5. QUALIFICATION OF APPLICANT

- 1) university graduate or those who have equivalent technical qualifications in this field, and have five or more years of practical experience
- 2) between 30 and 40 years of age
- 3) senior technical officers in charge of sewage works in the government or government-affiliated organizations

6. TRAINING INSTITUTIONS

- 1) Osaka International Training Centre (OITC), JICA
- 2) The Sewage Works Bureau, Osaka Municipal Government
- 3) Osaka International House Foundation

7. REMARKS

A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks (50 hours).

LIVING ENVIRONMENTAL PROTECTION TECHNIQUE**1. PURPOSE**

The knowledge and technology of monitoring and survey on the living environment are necessary for the planning of the monitoring, survey and for taking measures for living environmental problems. Training will be carried out at the fields in Hiroshima Prefecture to acquire them, help the improvement of living environment, disseminate the knowledge and technology, promote environmental protection of local environments and contribute to the preservation of global environment.

2. DURATION

From September 20, 1993 to December 17, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course, the emphasis is put on workshop practice, laboratory experiments and final report presentation and discussion by participants besides lectures.

It mainly covers:

- 1) knowledge and technique of monitoring and survey based on analytical methods including continuous analyzer and simple methods in the fields of air quality, water quality, noise and wastes
- 2) environmental information management such as analysis, data processing including remote sensing data processing, forecast, simulation, landscape montage
- 3) measures for problems in living environment such as environmental impact assessment, environment management system, environmental education
- 4) living environmental pollution control technology in the pollution source

5. QUALIFICATION OF APPLICANT

- 1) senior technical staff presently engaged directly in the environmental administration in the national and local governmental or related public organizations
- 2) with more than three years experience in the field of environmental protection
- 3) university graduate or equivalent
- 4) under 40 years of age

6. TRAINING INSTITUTIONS

- 1) Chugoku Branch Office, JICA
- 2) Hiroshima Prefectural Health and Environment Center

7. REMARKS

URBAN SOLID WASTE MANAGEMENT

1. PURPOSE

The purpose of the course is to contribute to the improvement of public health in developing countries by training personnel to take leadership and middle management roles in planning and implementing waste management programs in their own countries. This will be accomplished by having participants in the course learn in detail about waste management in big Japanese cities. Participants will also learn about the special characteristics of urban waste management programs while acquiring comprehensive knowledge regarding waste management.

2. DURATION

From January 13, 1994 to April 24, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course, the emphasis is put on introduction of Japanese experience.

The main themes are:

- 1) outline of waste management
- 2) outline of regional administration
- 3) economics and measures to counteract pollution
- 4) domestic waste management
- 5) intermediate treat facilities
- 6) final disposal site
- 7) restrictions on industrial waste management

5. QUALIFICATION OF APPLICANT

- 1) Technicians or administrative bureaucrats with at least three years of waste management experience or an equivalent level of specialized knowledge. Applications should also be limited to those who will continue working in the field of waste management after the training course.
- 2) University graduate having measured in analytical chemistry or microbiology, or those with equivalent technical knowledge
- 3) Under 40 years of age

6. TRAINING INSTITUTIONS

- 1) Osaka International Training Centre (OITC), JICA
- 2) Osaka International House Foundation
- 3) Public Cleansing Bureau, Osaka Municipal Government

7. REMARKS

A compulsory intensive Japanese language course will be conducted prior to the technical training for one week (25 hours).

TRANSPORTATION AND TRAFFIC

運 輸 交 通

RAILWAY MODERNIZATION FOR ROLLING STOCK MAINTENANCE**1. PURPOSE**

This course is designed to help rolling stock engineers obtain a wide range of knowledge about Japanese rolling stock maintenance modernization technology. The purpose is to cultivate future leaders who will work effectively for the growth of their countries' railway transport systems, thereby contributing to national development through railway transport.

2. DURATION

From July 13, 1993 to October 3, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This course is focused on EL/EMU rolling stocks, putting emphasis on introduction of general knowledge and techniques on the following subjects.

- 1) basic know-how based on the experience of Japanese railway operation
- 2) cost effective management (rationalization) of workshops
- 3) improvement of maintenance technology (schedule control, material management, etc.)
- 4) revitalization (improvement of availability rate)
- 5) materials and parts manufacturing
- 6) manufacturing process and standardization
- 7) accident prevention in operation
- 8) latest technological developments (speed-up, etc.)

5. QUALIFICATION OF APPLICANT

- 1) have been engaged in rolling stock engineering for more than two years with more than seven years of practical experience in the field of railway engineering (especially E.M.U. or E.L. rolling stock engineering)
- 2) under 40 years of age
- 3) university/college or technical school graduate

6. TRAINING INSTITUTIONS

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

7. REMARKS

This course (specially offered in Japanese fiscal 1993) is organized for countries using rolling stocks of EL or EMU types. (Course to treat other types of rolling stocks may be organized in future years.)

RAILWAY ELECTRIFICATION PLANNING AND MANAGEMENT**1. PURPOSE**

The purpose of the course is to provide participants, through lectures, discussions and observations, with basic and comprehensive theories and the application of such theories to railway electrification in terms of planning, implementation, cost-effective operations, maintenance of equipment and management technology.

2. DURATION

From October 12, 1993 to December 19, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This course is designed to introduce basic theories and know-how to the countries which are rather in experienced in railway electrification.

The following themes will be covered in the course.

- 1) various equipment for the electric traction to electrify a railway
- 2) a rough plan for an electric traction system
- 3) basic methodology for maintenance of electric traction equipment
- 4) accident prevention measures
- 5) technical trends in railway electrification
- 6) investment planning of railway electrification, its implementation and management

5. QUALIFICATION OF APPLICANT

- 1) presently engaged, or expected to be engaged in the near future, in planning and management work for railway electrification
- 2) university graduate in electrical engineering and have more than five years of practical experience
- 3) under 40 years of age

6. TRAINING INSTITUTIONS

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

7. REMARKS

This course (specially offered in Japanese fiscal 1993) is organized for countries at the early stage of railway electrification. (Courses for more experienced countries may be organized in future years.)

RAILWAY SIGNAL, TELECOMMUNICATION AND INFORMATION SYSTEM ENGINEERING

1. PURPOSE

The purpose of the course is to provide the participants with the knowledge of how to plan the installation of railway signals and telecommunications equipment through lectures and to introduce them to the workshops with recent manufacturing techniques, thereby cultivating leading signal engineers who can contribute to safe train operations.

2. DURATION

From January 10, 1994 to April 2, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This course mainly consists of lectures by signaling system users and workshop at signal manufactures, so as to provide information from both use's and producer's sides.

The main topics in the course are as follows.

- | | |
|---|--|
| 1) management | 3) safety system and others |
| (a) signal engineering in general | (a) Relay Interlocking and Electronic Interlocking |
| (b) railway telecommunications in general | (b) ATS (Automatic Train Stop) and ATC (Automatic Train Control) |
| (c) planning & development | (c) CTC (Centralized Traffic Control) |
| (d) maintenance | (d) electronic token block system |
| 2) basics of electrical signal | (e) railway traffic control system |
| (a) fundamentals | (f) dispatcher information system |
| (b) switch point | (g) railway telecommunication |
| (c) track circuit | |
| (d) blocking system | |
| (e) interlocking | |

5. QUALIFICATION OF APPLICANT

- 1) railway signal engineering official with more than five years of practical experience
- 2) presently engaged or expected to be engaged in the near future, in planning and administration work in the field of signal engineering
- 3) university/college graduate or equivalent
- 4) not more than 40 years of age

6. TRAINING INSTITUTIONS

- 1) Tokyo International Centre (TIC), JICA
- 2) Railway Bureau, Ministry of Transport
- 3) Japan Railway Group (JR)
- 4) Japan Association of Signal Industries
- 5) Signal Manufactures

7. REMARKS

INFRASTRUCTURE

社 会 基 盤

**EXECUTIVE'S SEMINAR ON PUBLIC WORKS RESEARCH
AND DEVELOPMENT**

1. PURPOSE

This course is intended for senior engineers in leading posts to prepare and promote public works research and development in Asian countries.

The purpose of this course is to improve executive personnel who can efficiently and properly contribute to implementation of infrastructure and public works, thus leading to development of each country.

2. DURATION

From October 4, 1993 to October 24, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this seminar, the emphasis is put on the report presentation, discussion in the field of public works, and study trip.

It mainly covers;

- 1) presentation of Country Report
- 2) introduction and analysis of the current situation and problems of the public works in developing countries and Japan
- 3) discussion on specific subjects
- 4) study trip

5. QUALIFICATION OF APPLICANT

- 1) university graduate or equivalent in the field of public works engineering
- 2) director general or equivalent high-ranking officials responsible for management or administration of public works in government or research institutions

6. TRAINING INSTITUTIONS

- 1) Tsukuba International Centre (TBIC), JICA
- 2) Public Works Research Institute, Ministry of Construction

7. REMARKS

SOCIAL INFRASTRUCTURE DEVELOPMENT AND PLANNING**1. PURPOSE**

This course offers to those who belong to the government or government affiliated organizations of developing countries an opportunity to acquire the contemporary knowledge and techniques concerning the roles of infrastructure, methods and process of survey, analysis, and planning, through the lectures, observations and group studies

2. DURATION

From January 6, 1994 to March 20, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This course consists of common subjects for all participants and group studies. It covers very broad technical fields; roads, railways, ports, water supply, sewage system, dams, and telecommunication in order for participants to obtain wide knowledge and technique to prepare comprehensive plans for the infrastructure.

The main themes are:

- 1) introduction and infrastructure development
 - development and economic effect of infrastructure in Japan, Japanese overseas technical cooperation in infrastructure development
- 2) regional/urban planning
 - regional development, city planning, water supply system, sewage system, garbage management
- 3) highway, transport, telecommunication planning
 - road network, urban transport, railways
- 4) river/port planning
 - river improvement (water resources, flood control), port and harbour
- 5) case study (group discussion) on infrastructure development plans

5. QUALIFICATION OF APPLICANT

- 1) university graduate or those who have equivalent educational qualifications preferably in the field of civil engineering, and have at least five years' experience in planning infrastructure development (roads, railways, ports, water supply and sewage systems, dams, telecommunication systems, etc)
- 2) under 40 years of age

6. TRAINING INSTITUTIONS

- 1) Osaka International Training Centre (OITC), JICA
- 2) Engineering Affairs Management Section, Minister's Secretariat, Ministry of Construction
- 3) International Affairs Division, Economic Affairs Bureau, Ministry of Construction
- 4) Planning Division, Kinki Regional Construction Bureau, Ministry of Construction
- 5) Japan Construction Training Center Foundation (JCTC)

7. REMARKS

A compulsory intensive Japanese language course will be conducted prior to the technical training for one week (25 hours).

ENVIRONMENTAL ASSESSMENT IN INFRASTRUCTURE DEVELOPMENT**1. PURPOSE**

To contribute to harmony in development and environmental preservation in developing countries by training infrastructure development engineers in the techniques required in environmental assessment, assessment of effects on environment, measures for environmental preservation, etc. for minimizing the effects of infrastructure development on environment, maintaining favorable environment for the people, and for preserving nature.

2. DURATION

From January 6, 1994 to March 27, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This course consists of lectures and study tours as follows.

- regional plans
- environmental plans
- environmental assessment
- environmental projections
- environmental preservation measures
- assessment of effects on environment

* Under the word "Environment", this course deals with water quality, noise, vibration, air quality, animals and vegetation

5. QUALIFICATION OF APPLICANT

- 1) university graduate in civil engineering or equivalent
- 2) five or more years of experience in infrastructure development administration
- 3) under 40 years old in age

6. TRAINING INSTITUTIONS

- 1) Osaka International Training Centre (OITC), JICA
- 2) Kinki Regional Construction Bureau, Ministry of Construction
- 3) Japan Construction Training Center

7. REMARKS

URBAN GREENERY AND PARK ADMINISTRATION

1. PURPOSE

The course is intended for administrators in developing countries who are responsible for promoting projects to increase greenery and park constructions in urban areas. It will include in-depth study of governmental policies and technical issues related to increasing urban greenery, preserving existing green spaces, city parks, natural parks and recreational facilities. At the same time, the basic knowledge and experience necessary for the participants to respond in an informed manner to policy proposals and decisions will also be covered. The overall aim of the course is to upgrade the technical abilities of the leading governmental administrators and thus enabling them to contribute to the improvement of the living environment in developing countries.

2. DURATION

From August 26, 1993 to November 14, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course, the emphasis is put on introduction of Japanese experience and basic theories of urban greenery and park administration

The main themes are:

- 1) creation of green spaces
 - policies of urban design with flowers and greenery, planning and design of planting, planning and policies of parks and green spaces
- 2) preservation and conservation of green spaces
 - national parks, Japanese gardens

5. QUALIFICATION OF APPLICANT

- 1) management and supervisory administrators in the field of urban greenery and park development with practical experience of at least five years
- 2) under 40 years of age
- 3) university / college graduate or equivalent

6. TRAINING INSTITUTIONS

- 1) Osaka International Training Centre (OITC), JICA
- 2) Osaka International House Foundation
- 3) Public Works Bureau, Osaka Municipal Government

7. REMARKS

A compulsory intensive Japanese language course will be conducted prior to the technical training for one week.

PLANNING FOR THE DEVELOPMENT OF URBAN FACILITIES**1. PURPOSE**

The course is designed for technical experts and administrative officers to provide lectures and observations on urban facility improvement aimed at obtaining techniques and knowledge of administrative role and planning, especially in core city of local area.

2. DURATION

From August 31, 1993 to November 28, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course, the emphasis is put on introduction of Japanese experience and basic theories of urban planning including planning presentation by participants.

The main themes are:

- 1) road and traffic facilities
- 2) public space; parks, green area, public cemetery
- 3) service facilities and treatment plants; waterwork, electricity, gas services, sewage and filth treatment plant and waste disposal
- 4) waterway; rivers and dams
- 5) facilities for education and culture; schools, libraries

5. QUALIFICATION OF APPLICANT

- 1) engineer or administrative officer who is presently engaged in planning for urban facilities and has experience in this field more than five years
- 2) under 40 years of age

6. TRAINING INSTITUTIONS

- 1) Hokkaido Branch Office, JICA
- 2) Obihiro City

7. REMARKS

AGRICULTURE

農 業

STATISTICAL INFORMATION SYSTEM FOR AGRICULTURE**1. PURPOSE**

The purpose of the course is to provide basic information on survey design and data processing by computers to be adopted for compilation of statistical information concerning agriculture.

2. DURATION

From June 29, 1993 to September 4, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

The following major subjects will be covered in the course.

- 1) agricultural statistics
 - role
 - contents and methodology
- 2) agricultural census
- 3) sample survey
 - theory and methods
 - design of annual sample survey (sample census) of agricultural holdings
 - design of basic survey of livestock
 - design of crop survey (area survey, production survey)
- 4) exercise of field survey
- 5) method of computer use
 - programming
 - personal computer operation

5. QUALIFICATION OF APPLICANT

- 1) government official engaged in planning and administration of agricultural statistics (exclude forestry and fishery statistics)
- 2) university graduate or equivalent
- 3) not more than 40 years of age

6. TRAINING INSTITUTIONS

- 1) Tokyo International Centre (TIC), JICA
- 2) Statistics and Information Department, Ministry of Agriculture, Forestry and Fisheries (MAFF)
- 3) National Federation of Statistics Association on Agriculture, and Forestry

7. REMARKS

GENERAL AGRICULTURE (OISCA SPECIAL TRAINING COURSE)**1. PURPOSE**

The purpose of the course is to provide participants with theoretical and practical knowledge and techniques in the fields of crop production and agricultural machinery mainly through practical studies so that they can serve as agricultural leaders in their countries.

2. DURATION

From January 18, 1994 to December 18, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirty (30) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In the course, the emphasis is put on lectures, practical training and field studies.

The main themes are;

- 1) rice cultivation
- 2) vegetable cultivation
- 3) fruit cultivation
- 4) land improvement
- 5) land survey
- 6) investigations and trials
- 7) agricultural machinery

5. QUALIFICATION OF APPLICANT

- 1) agricultural staff or those who are engaged in agriculture as progressive farmers with occupational experience of more than two years in their specialities
- 2) between 20 and 30 years of age
- 3) graduate of GCE 'O' Level (10 years education) or equivalent

6. TRAINING INSTITUTIONS

- 1) Nagoya International Training Centre (NITC), JICA
- 2) OISCA Nishi-Nippon Training Centre
- 3) OISCA Shikoku Training Centre

7. REMARKS

A compulsory intensive Japanese language course will be conducted in parallel with the technical training and lectures at OISCA Training Centres for three months (373 hours).

ANIMAL HUSBANDRY

畜 産

SWINE PRODUCTION AND BREEDING TECHNOLOGY**1. PURPOSE**

The purpose of the course is to transfer the latest technology and knowledge of swine production and breeding technology in Japan to the personnel in developing countries faced with its necessity. It is designed to raise leading technologists who can promote swine breeding, and ultimately contribute to the progress of animal industry.

2. DURATION

From February 22, 1994 to June 24, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

The course covers the whole range of swine breeding technology

The subjects are as follows:

- 1) new technology of swine breeding
- 2) feed and management technology
- 3) disease and sanitary measures
- 4) artificial insemination technology using frozen semen
- 5) embryo transfer technology
- 6) meat analysis by scanning scope

5. QUALIFICATION OF APPLICANT

- 1) university graduate or equivalent
- 2) have more than three year occupational experience in the field of swine breeding at government institutes or universities
- 3) not more than 40 years old

6. TRAINING INSTITUTIONS

- 1) Tohoku Branch Office, JICA
- 2) National Livestock Breeding Center, Ministry of Agriculture, Forestry and Fisheries (MAFF)

7. REMARKS

ADVANCED TECHNOLOGY FOR VETERINARY DIAGNOSIS**1. PURPOSE**

This course is organized to introduce to experienced veterinarians some advanced technology required for the recent diagnosis and preventive methods of animal diseases on the basis of conventional techniques.

2. DURATION

From May 17, 1993 to November 28, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This course consists of common subjects for all participants and individual training in laboratory. Each participant is to take one of the following subjects for their individual training.

The themes are:

- | | |
|--|---------------------------------------|
| 1) bacterial genome | 9) biological statistics |
| 2) bacterial plasmids | 10) clinical biochemistry |
| 3) protozoa vaccine | 11) DNA recombinant technology |
| 4) parasite immunochemistry | 12) DNA probe (RFLP and PCR analysis) |
| 5) laboratory animals | 13) antigenic analysis of viruses |
| 6) transgenic animals | 14) immunocytology |
| 7) immunological pathology | 15) molecular virology |
| 8) detection of mycotoxin by immunological methods | 16) molecular immunology |

5. QUALIFICATION OF APPLICANT

- 1) qualified veterinarian
- 2) presently engaged in research work with more than five years of experience
- 3) over 25 and under 40 years of age

6. TRAINING INSTITUTIONS

- 1) Tsukuba International Centre (TBIC), JICA
- 2) National Institute of Animal Health (NIAH), Ministry of Agriculture, Forestry and Fisheries

7. REMARKS

A compulsory intensive Japanese language course will be conducted prior to the technical training for one week (25 hours).

LABORATORY DIAGNOSIS OF POULTRY DISEASES**1. PURPOSE**

To improve sanitary control of poultry in developing countries and to contribute to health enhancement of the citizens of participating countries, through recognition of the importance of sanitary control of meat and poultry diseases and through acquisition of methods for laboratory diagnosis of poultry diseases appropriate for respective conditions in individual countries.

2. DURATION

From September 9, 1993 to March 25, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course, the emphasis is put on laboratory experiments.

The main themes are:

- 1) basic procedures of contamination inspection of meat and in diagnosis of poultry diseases (microbiology, public health, pathology, immunology, medical science, internal medicine)
- 2) visual and microscopic bacteriological examination of infection development of hens experimentally infected by pathogens
- 3) study tour of poultry processing site
- 4) isolation and stabilization of pathogens of poultry diseases and in treatment of infected/contaminated meat

5. QUALIFICATION OF APPLICANT

- 1) college graduate or equivalent
- 2) certified sanitary inspection engineer or clinical inspection engineer
- 3) more than three years' experience in diagnosis of poultry diseases

6. TRAINING INSTITUTIONS

- 1) Osaka International Training Centre (OITC), JICA
- 2) College of Agriculture, University of Osaka Prefecture

7. REMARKS

FORESTRY

林 業

DEVASTATED FOREST RESTORATION TECHNIQUE**1. PURPOSE**

The knowledge and know-hows of afforestation, tree planting, disaster prevention, etc. are necessary for the recovery and remedy of devastated forest areas, particularly deforestations of mountains, their collapse, etc. Training will be carried out at the fields in Hiroshima Prefecture to acquire them, help the formation of sound forests and the conservation of local environments and contribute to the creation and conservation of comfortable earth environment.

2. DURATION

From July 6, 1993 to October 16, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course, the emphasis is put on lectures which introduce Japan's forests & forestry and forests, forestry and afforestation in Hiroshima Prefecture. (and observatory tours)

It mainly covers:

- 1) planning mountainside foundation works in Hiroshima Prefecture
- 2) afforestation survey methods in Hiroshima Prefecture
- 3) planning stream works in Hiroshima Prefecture

5. QUALIFICATION OF APPLICANT

- 1) with more than three years of occupational and research experience in devastated forest restoration
- 2) university graduate or equivalent
- 3) under 35 years of age

6. TRAINING INSTITUTIONS

- 1) Chugoku Branch Office, JICA
- 2) Forestry Department, Hiroshima Prefectural Government
- 3) Forestry Training Institute (FTI), Forestry Agency

7. REMARKS

INDUSTRY

工 業

AUTOMOTIVE MAINTENANCE ENGINEERING**1. PURPOSE**

The course is designed for instructors of vocational training and leading counterpart of JOCV's automobile maintenance training projects, in order to upgrade their knowledge and skills in automotive maintenance engineering.

2. DURATION

From September 2, 1993 to July 31, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course, the emphasis is put on workshop practices and lectures.

The main themes are:

- 1) outline of related engineering
materials, electrical/electronics technology, measurement technique, drafting, welding, metal sheet processing, painting, etc.
- 2) outline of automotive engineering
structure of internal combustion engine, chassis, and electrical equipment
- 3) automotive maintenance engineering
vehicle inspection, disassembly and assembly of gasoline engine and diesel engine, processing of engine, disassembly and assembly of chassis and electric equipment, electric fuel injection system maintenance
- 4) management technique
workshop management, supervisory training, personal computer, vocational training methods safety and hygiene

5. QUALIFICATION OF APPLICANT

- 1) instructors of vocational training and leading counterpart of JOCV volunteers of automotive maintenance, or those who are engaged in automotive maintenance services, occupying a supervisory post in the related field or expected to assume such post in the future, with practical experience of at least five years
- 2) over 25 and under 35 years of age
- 3) graduate of technical high school or equivalent

6. TRAINING INSTITUTIONS

- 1) Osaka International Training Centre (OITC), JICA
- 2) Kyoto Skill Development Centre (KSDC), Employment

7. REMARKS

A compulsory intensive Japanese language course will be conducted prior to the technical training for four weeks (100 hours).

NON-DESTRUCTIVE INSPECTION TECHNIQUE**1. PURPOSE**

The purpose of the course is to provide the indispensable principle and techniques of non-destructive inspection testing method for quality assurance of industrial products, e. g. non-destructive testing of castings, forgings, rolled steel products or weldments, so as to develop their own industry.

2. DURATION

From February 28, 1994 to July 2, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course, theory of non-destructive inspection techniques, the selection of proper inspection method according to the proposed use as well as the knowledge and skills of evaluating inspection results will be studied through lectures, practice and field trips.

It mainly covers:

- 1) radiographic examination
- 2) ultrasonic test
- 3) magnetic particle examination
- 4) penetration test
- 5) eddy current examination

5. QUALIFICATION OF APPLICANT

- 1) graduate from the faculty of engineering at university
- 2) engineer of governmental inspecting organization or related organization
- 3) have experience of welding structures and castings, or will be engaged in inspection work including non-destructive inspection

6. TRAINING INSTITUTIONS

- 1) Kyushu International Centre (KIC), JICA
- 2) Kitakyushu International Techno-cooperative Association
- 3) Kyushu Institute of Technology
- 4) Fukuoka Industrial Technology Center

7. REMARKS

- 1) A compulsory intensive Japanese language course will be conducted prior to the technical training for 30 hours.

ENERGY

エネルギー

ELECTRIC POWER DEVELOPMENT PLANNING**1. PURPOSE**

The purpose of this course is to introduce participants to the basic policies of Japan regarding the development of electric power, and to share the accumulated knowledge which has contributed to such policy development.

The course is specifically designed to ensure that all participants will gain the necessary competence required to assume a direct role in the planning of their country's own electric power needs, and therefore contribute to the efficient development of electric power around the world.

2. DURATION

From August 31, 1993 to November 11, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

The following subjects will be covered through the course, in principle:

- 1) Lectures
Japan's electric power industry others.
orientation for Tohoku EPCo's programme
present situation and future prospects of Tohoku EPCo.
outline of power transmission, transformation and distribution facilities
outline of technological development
load forecast and power supply plan
power source development plan
operation of power system
fuel requirements others
- 2) observation tours

5. QUALIFICATION OF APPLICANT

- 1) college graduate or equivalent and have more than ten years of practical experience
- 2) engaged in power development planning at present or in the past
- 3) between 30 and 40 years of age

6. TRAINING INSTITUTIONS

- 1) Tohoku Branch Office, JICA
- 2) Japan Electric Power Information Center, Inc. (JEPIC)
- 3) Tohoku Electric Power Company, Inc.

7. REMARKS

THERMAL-ELECTRIC POWER ENGINEERING**1. PURPOSE**

The purpose of the course is to provide the participant with the latest information and knowledge concerning managing and technical aspects of the Japan's thermal electric power industry so that the participants would be able to play their greater role for further progress and advancement of thermal electric power generation in their respective country.

2. DURATION

From May 11, 1993 to June 30, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course, the emphasis is put on introduction of Japanese situation and know-how.

Following subjects are referred to in the course;

- 1) Japan's electric power industry
- 2) Japan's government-policy, planning, laws and regulations concerned with electric power industry
- 3) general and comprehensive information related to thermal electric power engineering in Japan, especially from the view points of planning, design, construction, operation and maintenance stages of thermal electric power stations and relevant points concerning electric power industry

5. QUALIFICATION OF APPLICANT

- 1) electrical and/or mechanical engineers presently employed at governmental or private electric power utility and have more than three years of operation and/or maintenance experience at thermal power stations
- 2) under 40 years of age
- 3) technical college graduate or equivalent

6. TRAINING INSTITUTIONS

- 1) Tokyo International Centre (TIC), JICA
- 2) Agency of Natural Resources and Energy, Ministry of International Trade and Industry
- 3) Japan Electric Power Information Center, Inc. (JEPIC)
- 4) Tokyo Electric Power Company (TEPCO)

7. REMARKS

COMMERCE AND TRADE

商業・貿易

PRIVATE SECTOR MIDDLE MANAGEMENT
FOR THE PACIFIC COOPERATION

1. PURPOSE

The purpose of the course is to provide the middle management of private companies, who will in future assume important roles in Asia, Oceania and Latin America, with economic, business and management knowledge and skill in order for them to contribute to the economic development of their countries and to promote cooperation in the Pacific region.

2. DURATION

From June 8, 1993 to July 17, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirty-three (33) (Three participants from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This training program places emphasis on the acquisition of knowledge in the following areas which is provided in the common curriculum for all participants.

- 1) present situation and future prospects of the pacific region
- 2) - Japanese economic cooperation to Pacific countries
- Japanese economy, trade and overseas investment
- characteristics of management in Japan
- function and characteristics of Japanese business organizations
- 3) - Japanese small and medium enterprise
- marketing and management analysis

After the common curriculum, participants will be divided into the following three groups;

- a. small and medium enterprise management
- b. finance and securities
- c. trade

5. QUALIFICATION OF APPLICANT

- 1) selected by the Chairman of the PBEC Member Committee (in the countries where PBEC Member Committees are not established, the governments will select applicants)
- 2) in middle management of private companies or of government-related organizations excluding government officials
- 3) university graduate or equivalent
- 4) under 45 years of age
- 5) in possession of more than three years of practical experience in the field

6. TRAINING INSTITUTIONS

- 1) Tokyo International Centre (TIC), JICA
- 2) Pacific Basin Economic Council (PBEC) Japan Member Committee

7. REMARKS

This course is organized for Private Basin Economic Cooperation Member Countries.

SEMINAR ON BUSINESS MANAGEMENT FOR ASIA AND PACIFIC REGION**1. PURPOSE**

This seminar is intended for senior administrators of the government and business executives in the Asian and Pacific Countries who are in charge of the promotion of economic activities. The participants of this course will learn the status quo of Japanese economy, factors of its development, and relations between Japanese economy and Pacific economy. It is hoped that this course will contribute to the development of business management of the participating countries.

2. DURATION

From July 6, 1993 to July 25, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12) (Two participants from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course the emphasis is put on discussions by participants, and introduction of Japanese experience.

The main themes are:

- 1) status quo of Japanese economy and roles of private enterprises
- 2) development of Japanese economy and its relation with Pan Pacific economy
- 3) Japanese administration and the economic development
- 4) business management
 - quality control, human resources development, technological development
- 5) large enterprises and subcontractors
- 6) internationalized small and medium enterprises
- 7) general trading companies
- 8) prospects for the economies of the Pacific Region and Japan

5. QUALIFICATION OF APPLICANT

- 1)
 - a) senior executive government officers responsible for the promotion of industries
 - b) executive managers of private enterprises who are recommended by economic organizations in their countries
 - To enhance training effects, it would be of help if the nominating government could recommend an applicant from each of the above two categories: government sector a) and private sector b)
- 2) Under 55 years of age

6. TRAINING INSTITUTIONS

- 1) Osaka International Training Centre (OITC), JICA
- 2) Pacific Resource Exchange Center (PREX)

7. REMARKS

**SEMINAR ON DISTRIBUTION STRUCTURE FOR CONSUMER GOODS
IN JAPANESE MARKET**

1. PURPOSE

To contribute to promotion of exports in developing countries by learning about the realities of complex distribution structure for consumer goods in Japanese market through theoretical studies and on-site training.

2. DURATION

From October 4, 1993 to November 6, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This course mainly covers;

- mechanism of distribution in Japanese market
- Japanese market trends
- problem in exports to Japan
- study tours of actual distribution processes, retail sales

5. QUALIFICATION OF APPLICANT

- 1) college graduate or equivalent
- 2) individual in leadership position concerned in commercial policies at either central or local government or an official i business organizations, such as, the chamber of commerce and Industry, association of manufacturers or distributors, etc.

6. TRAINING INSTITUTIONS

- 1) Osaka International Training Centre (OITC), JICA
- 2) Pacific Resource Exchange Center (PREX)

7. REMARKS

PROMOTION OF DIRECT INVESTMENT

1. PURPOSE

Based on the foregoing appraisal, this course, offered to senior administrators directly in charge of encouraging direct investment from abroad or officials responsible for legislative formulation, aims to contribute to the institution and development of legislation designed to promote direct investment in developing countries through lectures on present Japanese legislation and overall frameworks for investment promotion, study of actual examples of enterprise feasibility studies, lectures on the investment promotion systems of the investing enterprises themselves and exchange of opinions with those who are active in the field.

2. DURATION

From January 6, 1994 to March 27, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This course consists of lectures and visits.

The main themes are:

- 1) law systems for investment promotion in Japan
 - company formation and operation, finance, tax
 - employment, environmental protection
- 2) Japanese management forms (visits to Japanese companies)
- 3) case study on feasibility of direct investment
- 4) round table discussions

5. QUALIFICATION OF APPLICANT

- 1) university graduate or equivalent
- 2) senior administrators directly in charge of encouraging direct investment from abroad or officials responsible for its legislative formulation or a related field in their governments, with practical experience of at least five years
- 3) under 40 years of age

6. TRAINING INSTITUTIONS

- 1) Osaka International Training Centre (OITC), JICA
- 2) Kyoto Comparative Law Center

7. REMARKS

A compulsory intensive Japanese language course will be conducted prior to the technical training for one week.

TRADE-INVESTMENT PROMOTION
(CENTRAL AMERICAN COUNTRIES)

1. PURPOSE

The purpose of this course is to provide the staff members of the governments of Central American countries and their related organizations with an opportunity to study how to implement policies and promotion measures for trade and investment more effectively. In addition to theoretical background information concerning the development of manufacturing industries and export promotion, Japanese experiences and procedures will be introduced.

2. DURATION

From February 15, 1994 to March 31, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This training programme places particular emphasis on the acquisition of knowledge in the following areas:

- 1) promotion of manufacturing industries
- 2) trade (export) promotion
- 3) measures invite suitable foreign investment
- 4) Japanese experiences and present situation
 - Japanese economic cooperation in Central American countries
 - Japanese economy, trade and overseas investment
 - characteristics of management in Japan
 - functions and characteristics of Japanese business organizations
 - Japanese small and medium enterprises
 - marketing and management analysis

5. QUALIFICATION OF APPLICANT

- 1) university graduate or equivalent
- 2) under 40 years of age
- 3) official who belong to governmental or semi governmental organizations (e. g. trade or investment promotion organization) with more than five years of practical experience in the administration of overseas investment

6. TRAINING INSTITUTIONS

- 1) Tokyo International Centre (TIC), JICA
- 2) World Trade Centre, Inc. (WTC)

7. REMARKS

The course is organized for Central American Countries.

HUMAN RESOURCES

人 的 資 源

MECHATRONICS

1. PURPOSE

The purpose of this training course is to offer training for skill improvements to the following personnel, who expect to acquire comprehensive knowledge, skills and techniques related to mechatronics technology, and thus to contribute to the development of human resource in the vocational training and the manufacturing industries of developing countries.

- (1) middle class instructors who are engaged in machine and machining techniques at vocational training schools.
- (2) middle class teachers who are teaching machine and machining techniques at technical high schools.
- (3) engineers or technicians of the similar position as the above mentioned personnel.

2. DURATION

From May 13, 1993 to February 13, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course, the emphasis is put on workshop practice and introduction of Japanese experience.

The main themes are:

- 1) production engineering
- 2) machining technology
- 3) control technology
- 4) XY table production and assembly

5. QUALIFICATION OF APPLICANT

- 1) instructor at technical high school or vocational training school in the field of mechanical or machining technology
 - only applicable to the persons who have completed all the basic mechanical subjects, the person of the electrical fields will be excluded from its application
- 2) university graduate or equivalent
- 3) between 30 and 40 years of age

6. TRAINING INSTITUTIONS

- 1) Osaka International Training Centre (OITC), JICA
- 2) Osaka Prefectural Higashi-yodogawa Advanced Vocational Training School (HAVOT)

7. REMARKS

A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks (50 hours).

SCIENCE AND CULTURE

科学 · 文化

CULTURAL ASSET PRESERVATION AND RESTORATION TECHNOLOGY**1. PURPOSE**

To make a contribution to the preservation and restoration of remains in the world in the light of the present conditions by introducing participants of each country the cultural asset preservation and restoration technology which has been accumulated historically in Kyoto blessed particularly with abundant cultural assets in Japan, and hence to improve various relevant technologies in developing countries and contribute to the advancement of cultural asset preservation and restoration.

2. DURATION

From January 13, 1994 to July 17, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

The course consists of a 2-month common programme for all participants and a following 3-month specialized training programme prepared individually to meet each participant's interest.

Each participant is to choose one of the following subjects for their specialized training programme.

- 1) arts and crafts
- 2) preservation science/reproduction technology
- 3) buildings and townscapes
- 4) buried cultural assets
- 5) gardens and historical remains

5. QUALIFICATION OF APPLICANT

- 1) leading technical experts with at least three years' experience in the field of cultural asset preservation and restoration technology
- 2) under 40 years of age

6. TRAINING INSTITUTIONS

- 1) Osaka International Training Centre (OITC), JICA
- 2) The Agency for Cultural Affairs
- 3) Faculty of Engineering and Faculty of Agriculture, Kyoto University
- 4) Kyoto National Museum, ACA
- 5) Kyoto City International Foundation

7. REMARKS

A compulsory intensive Japanese language course will be conducted prior to the technical training for four weeks (95 hours).

MEDICAL TREATMENT

保健・医療

SEMINAR FOR SENIOR OFFICERS IN MENTAL HEALTH CARE**1. PURPOSE**

This seminar is designed to provide participants with an opportunity to have a comprehensive understanding of Japanese mental health services and to help psychiatrists of the participating countries define appropriate psychiatric models for their own countries.

2. DURATION

From August 18, 1993 to September 7, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

(One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This seminar puts an emphasis on discussion, presenting experience of Japan for a case study.

The main themes are:

- 1) legislation, including the mental health law, the medical law and other laws relevant to psychiatry
- 2) mental health service system and the health insurance system
- 3) present situation of comprehensive community mental health services
- 4) alcohol dependency programmes

5. QUALIFICATION OF APPLICANT

- 1) psychiatrists directly involved in mental health and in oppositions to lead the mental health services of their countries
- 2) able to freely exchange knowledge and opinions with others, and intend to remain in the field of mental health

6. TRAINING INSTITUTIONS

- 1) Hachioji International Training Centre (HITC), JICA
- 2) Japanese Association of Psychiatric Hospitals

7. REMARKS

**COUNTER-MEASURE FOR IMPROVEMENT
OF INFANT MORTALITY RATE**

1. PURPOSE

The purpose of this course is to aim to have participants develop the managerial and planning skill toward the reduction of the infant mortality rate (IMR) in their own countries through (1) identifying the factors of reducing the IMR in the assigned areas (2) discussing with fellow participants on their observations (3) developing their own solution for the improvement for themselves.

2. DURATION

From August 23, 1993 to October 4, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

The course is designed for the participants to review the policies and execution of work related to the IMR reducing factors through visiting hospitals, public health centre and policy making office and discussing among participants and/or with their staff.

The following basic subjects are covered through lectures

- 1) Japan's health policy
- 2) maternal health
- 3) child health
- 4) health staff service

5. QUALIFICATION OF APPLICANT

- 1) be a medical doctor, paramedical or administrative staff of higher position who are responsible for national formation of maternity and child health strategy and its execution, level of high ranking manager or middle level manager
- 2) be fifty 50 years of age and less

6. TRAINING INSTITUTIONS

- 1) Kyushu International Centre (KIC), JICA
- 2) Agency for Cooperation in International Health

7. REMARKS

A compulsory intensive Japanese language course will be conducted prior to the technical training for 25 hours.

PATHOLOGY OF GASTROINTESTINAL CANCER**1. PURPOSE**

The purpose of the course is to introduce participants to recent techniques in the study of gastroenterology, especially gastrointestinal pathology, so that they will gain broader perspectives and clues for their future research as well as the diagnoses techniques.

2. DURATION

From August 31, 1993 to November 26, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This course consists of common curriculum for all participants and specific practical training for each participant, to cover the following themes respectively.

- 1) recent gastrointestinal pathology in Japan (common curriculum mainly made up of lectures, seminars and conferences at university)
- 2) histological diagnosis of surgical specimens (practical training at designated hospital)

5. QUALIFICATION OF APPLICANT

- 1) established pathologist
- 2) university graduate or equivalent

6. TRAINING INSTITUTIONS

- 1) Tokyo International Centre (TIC), JICA
- 2) Tokyo Medical and Dental University Faculty of Medicine, Pathology Department

7. REMARKS

LEPROSY RESEARCH

1. PURPOSE

The purpose of the course is to enable participants to pursue further theoretical and experimental studies on leprosy. They will learn up-to-date knowledge and technology indispensable to leprosy control through assigned laboratory research work.

The acquired knowledge, technology, and the cultivated research mind will be useful not only for leprosy control but also will contribute to the development of biomedical sciences in their home countries.

2. DURATION

From October 1, 1993 to September 30, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course, the emphasis is put on laboratory research work. Each participant is to take one of the following subjects for his/her specific study.

- 1) serology and seroepidemiology of leprosy and *Mycobacterium leprae* infection
- 2) development of histopathological techniques for early diagnosis of leprosy
- 3) kinetics of *M. leprae* with PCR (Polymerase Chain Reaction)
- 4) cell-mediated immunity of leprosy
- 5) development of antileprosy chemotherapeutics using nude mice

5. QUALIFICATION OF APPLICANT

- 1) a medical doctor or a graduate from a faculty of science, pharmacy, agriculture, veterinary medicine, medical technology or equivalent
- 2) presently engaged in research or clinical work on leprosy in an organization
- 3) less than 40 years of age

6. TRAINING INSTITUTIONS

- 1) Tokyo International Centre (TIC), JICA
- 2) National Institute for Leprosy Research (NILR)

7. REMARKS

VIROLOGICAL DIAGNOSIS TECHNIQUE
FOR POLIO ERADICATION PROGRAMME

1. PURPOSE

The purpose of this training course is to provide the participants with;

- (1) standard technique of cell culture,
- (2) standard technique of isolation and typing of poliovirus,
- (3) introduction to molecular epidemiology of poliomyelitis, and
- (4) information on the outline of polio vaccine control.

2. DURATION

From February 7, 1994 to March 27, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this course the emphasis is put on lectures and laboratory experiments.

The main themes are:

- 1) lecture
 - global eradication of poliomyelitis
 - maintenance and quality control of cell cultures
 - laboratory biosafety etc.
- 2) practical training
 - preparation of media and cell cultures
 - identification of polioviruses
 - determination of neutralizing antibodies to polioviruses
 - detection of viral antigen and antibody by ELISA
 - amplification of virus genome by PCR etc.

5. QUALIFICATION OF APPLICANT

- 1) presently a technical staff member of microbiology laboratory

6. TRAINING INSTITUTIONS

- 1) Tokyo International Centre (TIC), JICA
- 2) National Institute of Health (Murayama Annex)

7. REMARKS

VIROLOGICAL DIAGNOSIS TECHNIQUES OR HIV INFECTION (AIDS)**1. PURPOSE**

The purpose of the course is to train those who can diagnose precisely HIV infection virologically in laboratory.

2. DURATION

From January 10, 1994 to February 28, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This course mainly covers the following themes;
surveillance of HIV infections
introduction to sophisticated technology of virus diagnosis
evaluation method of examination kit
examination method of pathogens relevant to opportunistic infections

5. QUALIFICATION OF APPLICANT

- 1) have experiences of microbes examination and research preferably more than two years
- 2) to be engaged in a crusade against AIDS in future

6. TRAINING INSTITUTIONS

- 1) Hachioji International Training Centre (HITC), JICA
- 2) National Institute of Health

7. REMARKS

WORKMEN'S ACCIDENT MEDICAL TREATMENT**1. PURPOSE**

The purpose of the course is to improve and enhance the system of workmen's accident medical treatment by giving training not only to doctors but to nurses to raise their capability and the standard of medical technology.

2. DURATION

From September 13, 1993 to December 17, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

The programme is designed so that participants deepen the knowledge of this specific field and are able to ameliorate the standard of treatment and rehabilitation of patients as well as emergency medicine. Main subjects are as follows;

- 1) laws and administration
- 2) workmen's accident compensation administration
- 3) treatments and examinations
- 4) rehabilitation
- 5) emergency medicine system

5. QUALIFICATION OF APPLICANT

medical doctor or nurse engaged in workmen's accident medical treatment

6. TRAINING INSTITUTIONS

- 1) Hachioji International Training Centre (HITC), JICA
- 2) Labour Welfare Corporation

7. REMARKS

- 1) A compulsory intensive Japanese language course will be conducted prior to the technical training
- 2) The course is organized for Malaysia and Sri Lanka.

WELFARE

社 会 福 祉

**SEMINAR FOR SENIOR OFFICERS OF NATIONAL MACHINERIES FOR
THE ADVANCEMENT OF WOMEN**

1. PURPOSE

The purpose of the Seminar can be summarized as follows:

- (1) To study functions and institutional location of the national machinery for the advancement of women in Japan,
- (2) To exchange views and information on functions, activities and effectiveness of national machineries in participating countries,
- (3) To improve knowledge required for establishing or improving national machineries and promoting their activities, and
- (4) To improve knowledge required for formulating a national plan of action on women.

2. DURATION

From November 9, 1993 to December 2, 1993

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Sixteen (16) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

In this seminar, a special theme regarding women's issues is selected as a specific subject each year. The special theme for this year (fiscal 1993) is "women in development" (WID), with a special focus on "gender-specific statistics".

The seminar covers the following:

- 1) national machinery for the advancement of women of Japan
 - (a) role of the national machinery
 - (b) formulation and implementation of national plan of action
 - (c) status of women and major women's issues in Japan
- 2) promotion of "women in development" (WID)
 - (a) Concept of WID
 - (b) Japan's Official Development Assistance (ODA) focusing on WID
- 3) Country Report

roles of national machineries and WID issues (identification of various problems and measures for the advancement of women) in each participating country

5. QUALIFICATION OF APPLICANT

- 1) senior officer in charge of national machinery on women's issues
- 2) university graduate or equivalent
- 3) have more than five years of occupational experience

6. TRAINING INSTITUTIONS

- 1) Institute for International Cooperation (IFIC), JICA
- 2) Office for Women's Affairs, Prime Minister's Office

7. REMARKS

**SEMINAR ON IMPROVEMENT OF THE STATUS OF WOMEN
FOR GOVERNMENT OFFICERS**

1. PURPOSE

The purpose of this seminar is to aim at fostering government officers capable of promoting comprehensively women's welfare activities based on the principle of "Women in Development", for the purpose of improving the status of women in developing countries.

2. DURATION

From February 7, 1994 to March 6, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

Participants will be able to upgrade basic knowledge and necessary management capability of women's affairs through the discussion at the time of observation and lecture.

The main themes in the course are:

- 1) administration on women's affairs
- 2) women in development
- 3) education for women
- 4) policies on women's workers
- 5) meeting with women's group
- 6) nursery system
- 7) school education
- 8) public health care
- 9) policies for the advancement of women on farms and the improvement of their living standards
- 10) social welfare policies

5. QUALIFICATION OF APPLICANT

- 1) a government officer currently in posts of planning measures for improving the status of women

6. TRAINING INSTITUTIONS

- 1) Kyushu International Centre (KIC), JICA
- 2) Kitakyushu Forum on Asian Women

7. REMARKS

SEMINAR ON STATISTICS AND INDICATORS ON WOMEN**1. PURPOSE**

This seminar is designed to facilitate participants with abilities to contribute to the promotion of WID activities in Asia, through upgrading the technique required for women's statistical research, and analyze the collected data. The program will take the approach as follows:

- a. grasping the present state of the women's statistics in Asia and readjusting the problems,
- b. introducing methods of gender statistics which are adopted by INSTRAW and SIAP.
- c. introducing methods of statistical analysis of unpaid work.
(Specifically survey on the time allocation data will be covered.)

2. DURATION

From March 8, 1994 to March 27, 1994

3. TOTAL NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8) (One participant from one country in principle)

4. MAIN FEATURES OF CURRICULUM

This seminar consists of:

- 1) introduction of the method and procedure of gender statistics and statistical approach to survey on unpaid work
- 2) presentation of the statistical research activities in each nation and discussion

5. QUALIFICATION OF APPLICANT

- 1) university or college graduate or equivalent
- 2) researcher/administrator in charge of women's statistics working at either national statistics bureau, national machinery or other statistical research institute.

6. TRAINING INSTITUTIONS

Osaka International Training Centre (OITC), JICA

7. REMARKS

JICA

