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# TRAINING AND DIALOGUE PROGRAMS

GENERAL INFORMATION ON

**Poultry Production, Management and  
Disease Prevention Technology**

**集団研修「鶏飼養管理・生産技術及び鶏病対策」**

**JFY 2009**

**<Type: Trainers Training Programs/ Type: 人材育成普及型 >**

**NO. J09-00911/ID.0980826**

**From July 2009 to March 2010**

**Phases in Japan : From August 25 to November 28, 2009**

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

# ***I. Concept***

## **Background**

This program, the first course of which consisted of a group training session entitled "Poultry" in 1965, enters its 44th year in 2008.

In addition to making possible the supply of sufficient animal protein for improving citizens' nutrition and boosting stamina, poultry production is one of the most effective fields for improving and stabilizing farming business standards. Furthermore, because the world's religions do not object to the consumption of poultry and because it is a comparatively easy field in which to implement initiatives, it is frequently incorporated into farm management programs in regions where agricultural development is a priority as a way to meet goals ranging from the generation of farm income to the promotion of the independence of women in rural areas.

Against this backdrop, there is high demand for the acquisition of basic poultry knowledge and technologies as well as techniques for promoting and planning its adoption. Furthermore, avian influenza, which has been spreading on a global scale over the last several years, is having an incalculably large effect on poultry production and has plunged the industry into crisis throughout the world, requiring the implementation of long-term measures on an emergency basis both domestically and overseas.

## **For what?**

The program point is dissemination of the knowledge and technology for poultry industrial promotion suitable for the area condition and therefore supervision, lead and advice of the administrative officer or the technical expert of the educational institution at the national or the regional level are necessary.

**For whom?** This program is offered to administrative organ, technical extension organ and research and educational institute.

## **How?**

This program is designed for administrative organ and research and educational institute to conduct the development of human resources who will play a leading role in their own countries poultry industry and accordingly their stage of development. The participants will be expected acquire reproduction, breeding, nutrition, feed, feeding management and hygiene management. It is emphasized that the program covers practical knowledge and technique of disease control concerning avian flu.

## ***II. Description***

**1. Title (J-No.): Poultry Production Management and Disease Prevention Technology (J0900911)**

**2. Period of program**

<b>Duration of whole program:</b>	July 2009 to March 2010
<b>Preliminary Phase:</b> (in a participant's home country)	July 2009 to August 2009
<b>Core Phase in Japan:</b>	August 25 to November 28, 2009
<b>Finalization Phase:</b> (in a participant's home country)	December 2009 to March 2010

**3. Target Regions or Countries:**

10 participants from Bangladesh, Bolivia, Egypt, Ghana, Malawi, Moldova, Papua New Guinea, Saint Lucia, Sri Lanka, Uganda and Ukraine (allocated countries).

**4. Overall Goal:**

It will be expected to go in community-conscious dissemination of poultry technique for promoting poultry industry..

**5. Objective:**

At the end of the program, the participants are expected to achieve the following;

I. To achieve this program objective, participants are expected in Japan;

- (1) Preliminary Phase in a participant's home country.
- (2) To understand Feeding Management in poultry, and to be able to conduct and disseminate poultry management suitable for the area condition and poultry performance.
- (3) To understand Reproduction and Breeding in poultry, and to be able to apply the result to breeding and multiplication of breeds suitable for the area condition.
- (4) To understand Nutrition and Feed, and to be able to apply the result to designing feed.
- (5) To understand Health control measures in poultry, especially basic disease control concerning avian flu, and to be able to conduct and disseminate proper prevention of disease for the environmental condition.
- (6) To understand comprehensive knowledge and skills on poultry farming, and to be able to plan poultry industry development policy suitable for the area condition.
- (7) Finalization Phase in a participant's home country

II. In participants' home country, it is also expected that the interim report is approved by the organization concerned.

**6. Eligible / Target Organization :**

This program is designed for administrative organ, technical extension organ and research and educational institute.

**7. Total Number of Participants :**

10 participants from Bangladesh, Bolivia, Egypt, Ghana, Malawi, Moldova, Myanmar, Papua New Guinea, Saint Lucia, Sri Lanka, Uganda and Ukraine. The number of participants from each country will be 1.

**8. Language to be used in this project : English**

**9. Contents:**

This program consists of the following components. Details on each component are given below:

<b>(1) Preliminary Phase in a participant's home country</b> (July 2009 to August 2009) <i>Participating organizations make required preparation for the Program in the respective country. They send out course materials and reply to surveys. Response forms should be submitted when participants come to Japan.</i>	
Modules	Activities
Inception report	Formulation and submission of Inception Report

<b>(2) Core Phase in Japan</b> (August 25, 2009 to November 28, 2009) <i>Participants dispatched by the organizations attend the Program implemented in Japan.</i>				
SUBJECT	CONTENT	LECTURE	PRACTICE	VISIT
Feeding and Management: Objective (1)				
(1) Incubation of egg	Lecture on basic structure of egg and the function; pretreatment of egg for incubation; growth of the embryo during incubation; and types, functions and usage's of setter and hatcher.	1		
(2) Feeding management in the chicken	Lecture on poultry nutrition; modern feeding management method based on poultry nutrition theory; metabolism and feeding management for improving growth and egg productivity; and feeding management in open-type poultry house and countermeasures against hot environment.	1		
(3) Feeding management (Practice)	Explanation about Hatching condition and Egg Speculation method (how to differentiate normal, degenerated and unfertilized egg). Practice on Egg Speculation, observation of hatching, selection of normal chicks, calculation of hatching rate, rearing chicks and egg quality check.	1	2.5	
(4) Chick sexing	Lecture and Practice on Vent and feather sexing.	0.5	0.5	

(5) Facilities for poultry farming	Facilities for layer farming; Facilities for broiler farming; Facilities for processing; Facilities for manure fermentation; development, current situation and future of facilities	1		
(6) Manure fermentation and utilization	Visiting Institute of Livestock Industry's Environmental Technology, research activity on appropriate manure fermentation and utilization.	0.5		0.5
<b>Reproduction and Genetic improvement: Objective (2)</b>				
(1) Reproduction in poultry	Lecture on reproductive organs, reproductive physiology, reproduction, laying and artificial insemination, etc.	1		
(2) Genetic improvement of chicken	Lecture on the history of poultry domestication and its spread to all over the world; introduction of typical breed in all over the world; Mendel's Laws; and selection for genetic improvement; including an explanation of the terminology about Genetics.	1		
(3) Practical aspects of Reproduction and Breeding in poultry	Practice on the selection and the mating plan using breeding characteristic cards. Lecture on reproductive organ's anatomy and reproductive physiology. Practice on semen collection and artificial insemination.	1	1.5	
(4) Present situation of broiler breeding in Japan / Sensory test of chicken meat	Lecture on present situation of broiler industry and breeding method of broiler in Japan, Japanese people's taste for chicken meat. Practice on sensory test of chicken meat.	0.5	0.5	
(5) New technologies in Poultry	Lecture and Practice on New technologies in Poultry Reproduction.	0.5	0.5	
<b>Nutrition and Feed: Objective (3)</b>				
(1) Nutrition and Feed	Lecture on poultry nutrition; nutritional characteristics of common feed and the ones which are used in the developing countries; the theoretical feed designing method; and the rational and practical method to formulate feed mixtures. And lecture on appropriate feed formulation and practice on the calculation method.	0.5	0.5	
(2) Nutrition physiology in poultry	Lecture on Nutrition physiology, especially the maintenance (digestion, absorption and metabolism), the mechanism of growth etc.	1		

(3)Utilization of Byproducts to Livestock Feed	Significance and methods of utilizing agricultural byproducts as livestock feed. Explanation on ammonia-urea treatment given to low-valued feed. And introducing examples of byproducts' utilization by using photos, etc.	1		
(4) Feed analysis methods	Lecture on proximate analysis methods of feed ingredients, and introduce of equipment for feed analysis.		1	
Health control: Objective (4)				
(1) General Hygiene Management in layer and Inspection Method of Broiler	Lecture on major infectious (viral and bacterial) diseases, parasitosis and nutritional disorders; disinfecting method of poultry houses, equipment and breeder eggs; the importance of vaccination; the types of vaccines and their applying methods; and the inspection procedures for broiler meat including slaughtering, dressing by parts and their usages.	1		
(2) Avian Influenza	Lecture on Outbreak of avian influenza and about epidemic prevention.	1		
	Lecture on countermeasure and the drill method as preparation for a possible outbreak of avian influenza by local governments.	1		0.5
	Lecture on countermeasure manual of epidemics prevention of highly-pathogenic avian influenza.	0.5		
(3) Health control measures in developing countries	Lecture on Health control measures based on the lecturer's experience in developing countries.	1		
(4) Hygiene Testing	Explanation on symptoms, diagnoses and autopsied findings of major infectious diseases such as Newcastle disease, Marek's disease, Pullorum disease and Coccidiosis. Practice on plate agglutination test for Pullorum disease and Mycoplasmosis; and hemagglutination inhibition (HI) test for Newcastle disease.	0.5	2	

(5) Establishment of Control Strategies for Avian Influenza and Zoonoses./ Hygiene investigation method in the field	Lecture on Avian Disease and Zoonoses based on the lecturer's experience in developing countries.	1	2	
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Outline of Livestock Industry in Japan: Objective (5)

(1) Present situation of poultry industry and poultry farm management in Japan	Lecture on present situation of poultry industry; trend in domestic production and import of chicken meat and egg; government policy for poultry industry; and typical poultry farming in Japan.	0.5		
(2) Development of poultry farming, technical innovations and systems in Japan.	Lecture on the history of poultry industry development; technical innovation, promotion projects after World War II in Japan.	0.5		
(3) Outline of National Livestock Breeding Center	Position of NLBC in Livestock Industry Policy and explanation of major roles of NLBC.	0.5		0.5

Planning poultry industry development policy: Objective (5)

(1) Outline of rural development	Lecture on the definition, history and theory about rural development.	1		
(2) Rural area investigation method and its analysis	Lecture on rural area investigation method and its analysis.	1	1	
(3) The collaboration among the extension service and the research institutes	Lecture on research institutes of governments, developing technologies, combination of research institutes and extension projects for diffusing the results.	1		
(4) Japan's international cooperation in the field of animal industry	Lecture on technical cooperation scheme of JICA etc., so that your countries can prepare proper ODA project plans.	1		

(5) Promoting the production of speciality jidori chicken in Fukushima Prefecture	Revitalization of local agriculture through promoting the production of speciality jidori chicken and development of value-added products	0.5		1.5
(6) Project cycle management method	Lecture on Project cycle management method (PCM method) When your countries get Official Development Assistance from Japan, they need to use PCM method to plan the projects.	1	2	
(7) Making Action plan	Every participants' presentation about the result of the training(what they have learned, applicable knowledge and skill to their own countries' problem). And discussion about their action programs after they return to their own countries.	0.5	2	
<b>Marketing: Objective (5)</b>				
(1) Poultry industry in private sector	Lecture on the strategy, significance and present status of poultry breeding in private sector. Visit to related institutions.	0.5		0.5
(2) The chicken meat industry in Japan	Lecture on marketing system of chicken meat and egg; history of the broiler industry in Japan, the changes of production, price, importing amounts, exporting countries and importing forms.	0.5		
(3) Science in Chicken Meat	Lecture on basic knowledge about the structure and function of the edible meat for the production of meat products.	0.5		
<b>Others</b>				
Inception report Presentation	Every participants' presentation and discussion about the present situation of their own countries and the livestock/poultry industries.	1		
Basic computer operation	Explanation and practice on basic computer operation.		0.5	
Study trips	Visits to related institutions and facilities in such area as Fukushima, Aichi, Gifu, and Tochigi			3.5
<b>Total (days)</b>		<b>51</b>	<b>27.5</b>	<b>16.5</b>
				<b>7</b>

\* Program subjects and contents can be changed depending on circumstances.

<b>(3) Finalization Phase in a participant's home country</b>	
<i>Participating organizations produce final outputs by making use of results brought back by participants. This phase marks the end of the Program.</i>	
Modules	Activities
Implementation of the action plan	Application and implementation of the action plan (interim report) back in the participant's country and submission of its final report by May, 2010 based on the follow-up questionnaire to be provided during the Workshop.

**<Structure of the program>**

1. Preliminary phase (activities in your home country): Preparation of the inception report.

2. Core Phase (activities in Japan):

Topic outline (subject to minor changes)

"TRAINING SUBJECT"

31-Aug	mon	Arrival at NLBC/Orientation for the dormitory life	NLBC
1-Sep	tue	Opening Ceremony/Program Orientation/Outline of NLBC	
2-Sep	wed	Ob. tour on the Facilities/Alien Registration at Nishigo Village Hall/City Tour	
3-Sep	thu	Basic computer operation / Present situation of poultry industry and poultry farm management in Japan	
4-Sep	fri	Inception report Presentation	NLBC
5-Sep	sat		
6-Sep	sun.		
7-Sep	mon	Development of poultry farming, technical innovations and systems in Japan	NLBC
8-Sep	tue	Feeding management in the chicken	
9-Sep	wed	Reproduction in poultry	
10-Sep	thu	Nutrition physiology in poultry	
11-Sep	fri	Feed analysis methods	
12-Sep	sat	Day off	
13-Sep	sun.	Day off	
14-Sep	mon	Nutrition and Feed	NLBC
15-Sep	tue	General Hygiene Management in layer and Inspection Method of Broiler	
16-Sep	wed	General Hygiene Management in layer and Inspection Method of Broiler	
17-Sep	thu	Manure fermentation and utilization	
18-Sep	fri	The chicken meat industry in Japan / Science in Chicken Meat	
19-Sep	sat		
20-Sep	sun.		
21-Sep	mon	Day off (Public holiday: Respect for the Aged Day)	
22-Sep	tue	Day off (Public holiday)	

23-Sep	wed	Day off (Public holiday)	
24-Sep	thu	Promoting the production of speciality jidori chicken in Fukushima Prefecture	NLBC
25-Sep	fri	Promoting the production of speciality jidori chicken in Fukushima Prefecture	
26-Sep	sat		
27-Sep	sun.		
28-Sep	mon	Incubation of egg	NLBC
29-Sep	tue	Genetic improvement of chicken	
30-Sep	wed	Project cycle management method	
1-Oct	thu	Project cycle management method	
2-Oct	fri	Project cycle management method	
3-Oct	sat	Transfer from nlbc to Aichi	
4-Oct	sun.	Day off	
5-Oct	mon	Outline of Okazaki Station	Okazaki station,
6-Oct	tue		
7-Oct	wed		
8-Oct	thu		
9-Oct	fri		
10-Oct	sat	Day off	
11-Oct	sun.	Day off	
12-Oct	mon	Day off(Public holiday)	
13-Oct	tue	Okazaki Station	
14-Oct	wed		
15-Oct	thu		Okazaki station,
16-Oct	fri		
17-Oct	sat	Day off	
18-Oct	sun.	Day off	
19-Oct	mon	Okazaki Station / Avian influenza	
20-Oct	tue	Chick sexing	Aichi pref.
21-Oct	wed	Avian influenza /Diseases of Quail	Aichi pref.
22-Oct	thu	Quail farm etc.	Aichi pref.
23-Oct	fri	Facilities for poultry farming	Aichi pref.
24-Oct	sat	Ob. Tour	
25-Oct	sun.	Day off	
26-Oct	mon	Formura feed factory/Animal Quarantine Service, MAFF	Aichi pref.
27-Oct	tue	Poultry industry in private sector(Goto Hatchery Co.,Ltd)	Gifu pref.

Incubation  
Brooding management  
Hygiene testing  
Artificial insemination  
Breeding  
Debeaking

28-Oct	wed	TOYOTA Motor Corporation/ mayonnaise Factory	
29-Oct	thu	(→Hyogo pref.)/Poultry Farming Agricultural Cooperative	Hyogo pref.
30-Oct	fri	Present situation of broiler breeding in Japan / Sensory test of chicken meat	JICA Hyogo
31-Oct	sat		
1-Nov	sun.	Hyogo→Tokyo	
2-Nov	mon	Avian influenza manual (MAFF)/Tokyo→NLBC	
3-Nov	tue	Day off(Public holiday)	
4-Nov	wed	Outline of rural development	NLBC
5-Nov	thu	Rural area investigation method	NLBC
6-Nov	fri	Rural area investigation method and its analysis	
7-Nov	sat	Day off	
8-Nov	sun.	NLBC→Aomori	
9-Nov	mon	Establishment of Control Strategies for Avian Influenza and Zoonoses	Aomori pref.
10-Nov	tue	Hygiene investigation method in the field	
11-Nov	wed	Hygiene investigation method in the field	
12-Nov	thu	Aomori→NLBC / Making action plan	NLBC
13-Nov	fri	Health control measures in developing countries	
14-Nov	sat	Day off	
15-Nov	sun.	Day off	
16-Nov	mon	New technologies in Poultry	NLBC
17-Nov	tue	The collaboration among the extension service and research institutes	
18-Nov	wed	Japan's international cooperation in the field of animal industry	
19-Nov	thu	Utilization of Byproducts to Livestock Feed	
20-Nov	fri	Asahi Beer Feed/ Fukushima Factory	Fukushima pref.
21-Nov	sat	Day off	
22-Nov	sun.	Day off	
23-Nov	mon	Day off(Public holiday)	
24-Nov	tue	Action Plan Presentation	
25-Nov	wed	Action Plan Presentation and Discussion	
26-Nov	thu	Final Evaluation Meeting / Closing Ceremony	
27-Nov	fri	NLBC→Tokyo	
28-Nov	sat		

\* Program subjects and contents can be changed depending on circumstances.

### 3. Final Phase (activities in home country)

Participants are expected to implement the action plan (interim report) and report on progress within six (6) months after the end of the phases in Japan and country.

## ***III. Conditions and Procedures for Application***

### **1. Expectations for the Participating Organizations:**

- (1) This program is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Participating organizations are expected to use the project for those specific purposes.
- (2) This program is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the project to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.
- (3) As this program is designed to facilitate organizations to come up with concrete solutions for their issues, participating organizations are expected to make due preparation before dispatching their participants to Japan by carrying out the activities of the Preliminary Phase described in section II -9.
- (4) Participating organizations are also expected to make the best use of the results achieved by their participants in Japan by carrying out the activities of the Finalization Phase described in section II -9.

### **2. Nominee Qualifications:**

Applying Organizations are expected to select nominees who meet the following qualifications.

#### **(1) Essential Qualifications**

Applicants should:

- (1) be nominated by their government in accordance with the procedures mentioned in IV-2 below,
- (2) be presently in charge of poultry relating activities, with three(3) years or more of experience in this field;
- (3) be university graduates or equivalent academic background,
- (4) be proficient in spoken and written English. Experience has shown that many participants find themselves unable to make progress in their training because of inadequate knowledge of English,

\*This workshop includes active participation in discussions, action plan development, thus requires high competence of English ability. Please attach an official certificate for English ability such as TOEFL, TOEIC etc, if possible)

- (5) be under 45 years of age in principle,
- (6) be engaged in systematic development and promotion after absorbed from this training,

(7) be in good health, both physically and mentally, to undergo the training, and

(As the training over a long period may pose risks to pregnant women, pregnancy is regarded as a disqualifying condition for participation in this training course.)

\*Pregnancy: Pregnant participants are strictly requested to complete the required procedures before departure in order to minimize the risk for their health. The procedures include (1) letter of the participant's consent to bear economic and physical risks (2) letter of consent from the participant's supervisor (3) letter of consent from your Embassy in Japan, (4) medical certificate. Please ask National Staffs in JICA office for the details.

(8) not be serving in the military.

### **3. Required Documents for Application**

- (1) **Application Form:** The Application Form (Electronic Version) is available From JICA Offices in the Candidates' Countries. Any hand-written Form is never accepted.
- (2) **Questionnaire:** to be submitted with the application form. Fill in Attachment-3 of this General Information, and submit it along with the Nomination Form.
- (3) **Nominee's English Score Sheet:** to be submitted with the application form. If you have any official documentation of English ability (e.g., TOEFL, TOEIC, IELTS), please attach it (or a copy) to the application form.

### **4. Procedure for Application and Selection:**

#### **(1) Submitting the Application Documents:**

Closing date for application to the JICA in JAPAN: June 26, 2009

**Note: Please confirm the closing date set by the respective country's JICA office or Embassy of Japan of your country to meet the final date in Japan.**

#### **(2) Selection:**

After receiving the document(s) through due administrative procedures in the respective government, the respective country's JICA office (or Japanese Embassy) shall conduct screenings, and send the documents to the JICA Center in charge in Japan, which organizes this project. Selection shall be made by the JICA Center in consultation with the organizations concerned in Japan based on submitted documents according to qualifications. *The organization with intention to utilize the opportunity of this program will be highly valued in the selection.*

#### **(3) Notice of Acceptance**

Notification of results shall be made by the respective country's JICA office (or

Embassy of Japan) to the respective Government by **not later than July 27, 2009.**

**5. Document(s) to be submitted by accepted participants:**

Inception Report -- to be submitted by August 7, 2009:

Before coming to Japan, only accepted participants are required to prepare an Inception Report (detailed information is provided in the ANNEX "Inception Report". The Inception Report should be sent to JICA or the Japan International Cooperation Center by August 7, 2009, preferably by e-mail to thictad@jica.go.jp

**6. Conditions for Attendance:**

- (1) to observe the schedule of the program,
- (2) not to change the program subjects or extend the period of stay in Japan,
- (3) not to bring any members of their family,
- (4) to return to their home countries at the end of the program in Japan according to the travel schedule designated by JICA,
- (5) to refrain from engaging in political activities, or any form of employment for profit or gain,
- (6) to observe the rules and regulations of their place of accommodation and not to change the accommodation designated by JICA, and
- (7) to participate the whole program including a preparatory phase prior to the program in Japan. Applying organizations, after receiving notice of acceptance for their nominees, are expected to carry out the actions described in section II-9 and section II-4.

## ***IV. Administrative Arrangements***

**1. Organizer:**

- (1) **Name:** JICA Tohoku Branch
- (2) **Contact:** Mr. Tomoyoshi SUZUKI (thictad@jica.go.jp)

**2. Implementing Partner:**

- (1) **Name:** National Livestock Breeding Center(NLBC)
- (2) **Contact:** 1, Odakurahara, Odakura, Nishigo, Nishishirakawa, Fukushima  
961-8511, Japan E-mail : kaigai@nlbc.go.jp  
Tel.: 81 (\*) - 248 (\*\*) -25 - 6163 Fax.: 81 (\*) -248 (\*\*) - 25 - 3990  
Dormitory  
Tel : 81(\*)-248(\*\*)-25-2340 Fax.: 81 (\*) -248 (\*\*) - 25 - 2340  
(\*):country code for Japan (\*\*):area code for Nishishirakawa

(3) **URL:** <http://www.nlbc.go.jp/english/index-e.html>

(4) **Remark:**

**Our Mission:**The National Livestock Breeding Center (NLBC) contributes to the sustainable development of the livestock industry and provision rich and safe dietary life to consumer.

**Our Activities:**NLBC has five main areas of focus:

1. Improvement and multiplication of livestock animals and improvement of feeding management.
2. Management registration and individual identification of bovine information.
3. Multiplication of forage crop seeds based on the standardized requirements and modern technologies.
4. Research on livestock technology.
5. Training and guidance on livestock technologies.

### 3. Travel to Japan:

- (1) **Air Ticket:** The cost of a round-trip ticket between an international airport designated by JICA and Japan will be borne by JICA.
- (2) **Travel Insurance:** Term of Insurance: From arrival to departure in Japan. \*the traveling time outside Japan shall not be covered.

### 4. Accommodation in Japan:

JICA will arrange the following accommodations for the participants in Japan:

JICA Tokyo International Center (JICA TOKYO) Address: 2-49-5 Nishihara, Shibuya-ku, Tokyo 151-0066, Japan TEL: 81-3-3485-7051 FAX: 81-3-3485-7904 (where "81" is the country code for Japan, and "3" is the local area code)
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If there is no vacancy at JICA TOKYO, JICA will arrange alternative accommodations for the participants. Please refer to facility guide of TIC at its URL, <http://www.jica.go.jp/english/contact/pdf/tic.pdf>

### 5. Expenses:

The following expenses will be provided for the participants by JICA:

- (1) Allowances for accommodation, living expenses, outfit, and shipping
- (2) Expenses for study tours (basically in the form of train tickets.
- (3) Free medical care for participants who become ill after arriving in Japan (costs related to pre-existing illness, pregnancy, or dental treatment are not included)
- (4) Expenses for program implementation, including materials

For more details, please see p. 9-16 of the brochure for participants titled "KENSHU-IN GUIDE BOOK," which will be given to the selected participants before (or at the time of) the pre-departure orientation.

**6. Pre-departure Orientation:**

A pre-departure orientation will be held at the respective country's JICA office (or Japanese Embassy), to provide participants with details on travel to Japan, conditions of the workshop, and other matters.

***V. Other Information***

During the training (August 31, 2009~November 27, 2009) at National Livestock Breeding Center, participants will be accommodated in the dormitory for overseas training of the Center. At the dormitory, participants will share the shower room and toilet. A bicycle is lent for participants. There are shared computers available for common use. Only participants' own computers may be used in dormitory rooms.

## **VI. ANNEX:**

### **ANNEX1**

Applicants should prepare an inception report on the present situation of their own field of study and interest in their own country. This report should be typewritten in accordance with the format (indicated below).

The inception reports are used for mutual understanding among the people concerned and as training materials (especially useful in comparative studies).

- (1) Title of Training Course
- (2) Name of Participant
- (3) Name of Organization
- (4) Organization Chart

Participants should draw an organization chart (starting from a section as the lowest level). Please indicate your present position(\*) in the organization chart.

- (5) General outlook on livestock industry in the country
- (6) Present situation of Poultry Industry (Layer, Broiler, Feed, Management) in the country and your organization
- (7) Disease and health control measures
- (8) Government policy for Poultry
- (9) Organization work and your own job (Present situation and Problem)

**NOTE: Participants in this training course are requested to discuss on their inception report in group discussion sessions during the course program. It is advisable to use audio visual aids such as movies, computer, slides, OHP, or pictures when presenting the inception report.**

**Time allocation for each participants: 20 minutes**

- 15 Minutes (for presentation)
- 5 minutes (for question and answer)

**ANNEX 2**

These questionnaires( I & II ) are aimed to get crude information on your knowledge, experience, and skill of respective technique. And these will be referred to how to carry out practice in the training course. So please try to estimate yourselves as follows.

**These Questionnaires should be submitted together with the Application Form.**

**Questionnaire I**

Your Name: \_\_\_\_\_ Country: \_\_\_\_\_

A : Enough B : Medium C : A little D : Almost Nothing

Technique		Knowledge	Experience or Skill
Statistics		A B C D	A B C D
Poultry Reproduction		A B C D	A B C D
Artificial Insemination		A B C D	A B C D
Selection for Genetic Improvement		A B C D	A B C D
Feed Formulation		A B C D	A B C D
Incubation of egg		A B C D	A B C D
Designing of Poultry House		A B C D	A B C D
Health Control	Vaccination	A B C D	A B C D
	Disinfection	A B C D	A B C D
Inspection Method		A B C D	A B C D
Poultry Physiology		A B C D	
Poultry Nutrition		A B C D	
Feeding and Management		A B C D	A B C D
Chick sexing		A B C D	A B C D
Poultry industry		A B C D	A B C D

**ANNEX 3**

**Questionnaire II**

**Your name:** \_\_\_\_\_ **Country:** \_\_\_\_\_

1. Have you ever used any computer? ( yes / no )

1) If yes, which type of Operating Systems? (Please check)

- Windows Vista
- Windows 2000/XP
- Windows 95/98 (or Millennium Edition)
- Other Operating System:( \_\_\_\_\_ )

2) If yes, how long have you used a computer?

About ( \_\_\_\_\_ years and / or \_\_\_\_\_ month)

3) If yes, when was the last time you used a computer?

( \_\_\_\_\_ ) month before

2. Do you have your own computer in your (office / home)?

( yes / no )

1) Please check the names of software you can use well.

- Microsoft Word
- Word Perfect
- Lotus 1-2-3
- Microsoft Excel
- Microsoft PowerPoint
- Other software:( \_\_\_\_\_ )

2) Your computer skills are (please check):

- | -Word processor;                   | -Table /Spread-sheet               | -Presentation software,(e.g:PPT)   |
|------------------------------------|------------------------------------|------------------------------------|
| <input type="checkbox"/> excellent | <input type="checkbox"/> excellent | <input type="checkbox"/> excellent |
| <input type="checkbox"/> good      | <input type="checkbox"/> good      | <input type="checkbox"/> good      |
| <input type="checkbox"/> fair      | <input type="checkbox"/> fair      | <input type="checkbox"/> fair      |
| <input type="checkbox"/> slight    | <input type="checkbox"/> slight    | <input type="checkbox"/> slight    |

3. Do you have e-mail address of your (office / home)? ( yes / no )

If yes, please fill in your e-mail address. ( \_\_\_\_\_ )

Thank you for your cooperation!

## *For Your Reference*

### **JICA and Capacity Development**

The key concept underpinning JICA operations since its establishment in 1974 has been the conviction that "capacity development" is central to the socioeconomic development of any country, regardless of the specific operational scheme one may be undertaking, i.e. expert assignments, development projects, development study projects, training programs, JOCV programs, etc.

Within this wide range of programs, Training Programs have long occupied an important place in JICA operations. Conducted in Japan, they provide partner countries with opportunities to acquire practical knowledge accumulated in Japanese society. Participants dispatched by partner countries might find useful knowledge and re-create their own knowledge for enhancement of their own capacity or that of the organization and society to which they belong.

About 460 pre-organized programs cover a wide range of professional fields, ranging from education, health, infrastructure, energy, trade and finance, to agriculture, rural development, gender mainstreaming, and environmental protection. A variety of programs are being customized to address the specific needs of different target organizations, such as policy-making organizations, service provision organizations, as well as research and academic institutions. Some programs are organized to target a certain group of countries with similar developmental challenges.

❦

### **Japanese Development Experience**

Japan was the first non-Western country to successfully modernize its society and industrialize its economy. At the core of this process, which started more than 140 years ago, was the "*adopt and adapt*" concept by which a wide range of appropriate skills and knowledge have been imported from developed countries; these skills and knowledge have been adapted and/or improved using local skills, knowledge and initiatives. They finally became internalized in Japanese society to suit its local needs and conditions.

From engineering technology to production management methods, most of the know-how that has enabled Japan to become what it is today has emanated from this "*adoption and adaptation*" process, which, of course, has been accompanied by countless failures and errors behind the success stories. We presume that such experiences, both successful and unsuccessful, will be useful to our partners who are trying to address the challenges currently faced by developing countries.

However, it is rather challenging to share with our partners this whole body of Japan's developmental experience. This difficulty has to do, in part, with the challenge of explaining a body of "tacit knowledge," a type of knowledge that cannot fully be expressed in words or numbers. Adding to this difficulty are the social and cultural systems of Japan that vastly differ from those of other Western industrialized countries, and hence still remain unfamiliar to many partner countries. Simply stated, coming to Japan might be one way of overcoming such a cultural gap.

JICA, therefore, would like to invite as many leaders of partner countries as possible to come and visit us, to mingle with the Japanese people, and witness the advantages as well as the disadvantages of Japanese systems, so that integration of their findings might help them reach their developmental objectives.



**CORRESPONDENCE**

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