

付 属 資 料

1 . ミニッツ

2 . 国連食糧農業機関(FAO)が提案しているプロジェクト

(1) Strategic approach for the development of Animal Identification and Movement Control (traceability) systems for the APHCA countries

(2) Strengthening Cross-Border Animal Disease Surveillance and Coordination between China, Laos, Thailand and Viet Nam (+ Myanmar)

3 . 国際原子力機関(IAEA)が提案しているプロジェクト

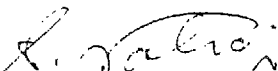
1. ミニッツ

**MINUTES OF DISCUSSIONS
BETWEEN
JAPAN INTERNATIONAL COOPERATION AGENCY
AND
THE AUTHORITIES CONCERNED OF THE GOVERNMENT OF
THE KINGDOM OF THAILAND
ON
JAPAN - THAILAND TECHNICAL COOPERATION PROJECT
ON
ANIMAL DISEASE CONTROL IN THAILAND AND
NEIGHBORING COUNTRIES**

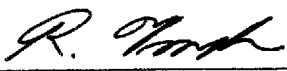
With regard to the smooth implementation of the Japanese Technical Cooperation on the Animal Disease Control in Thailand and Neighboring Countries (hereinafter referred to as "the Project"), Japan International Cooperation Agency (hereinafter referred to as "JICA") had a series of discussions with the authorities concerned of the Kingdom of Thailand along with National Coordinators from the Neighboring Countries. The purpose of the discussions was to review and give advice on the revision of the Project Design Matrix, as well as on the preparation of the Project's Plans of Operation and the Annual Plans of Operation.

As a result of the discussions, JICA and the Thai authorities concerned agreed to recommend to their respective Governments on the matters referred to in the documents attached hereto.

Bangkok, July 18th, 2002

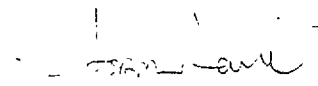


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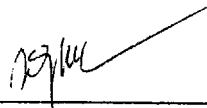


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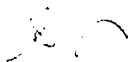
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THE ATTACHED DOCUMENT

1. Project Design Matrix

The revised Project Design Matrix (PDM) was agreed to at the Joint Coordinating Committee (JCC) Meeting and attached as ANNEX 1.

2. The Project Activity Plans

The Plans of Operation (PO) and the Annual Plans of Operation (APO) for Japanese Fiscal Year 2002 were also agreed to and attached as ANNEXES 2 and 3 at the JCC Meeting. The PO and APO for Myanmar and Malaysia are tentative for the time being.

3. Expected Role of Malaysia as the Collaborating Country

Malaysia is expected to give the neighboring countries technical advice in the field of poultry diseases as the collaborating country within the Regional Technical Cooperation Promotion Program (RTCPP). The Project Organization Chart is shown in ANNEX 4.

4. Establishment of Monitoring System

- (1) The monitoring report format was agreed to at the JCC Meeting as shown in ANNEX 5.
- (2) The Monitoring Reports will be prepared in English by National Coordinators and submitted to Project Office every six months. The Reports will be compiled, analyzed and then submitted to JICA Thailand Office.

5. Other Points of Discussion

- (1) Wish Lists of Equipment are attached as ANNEX 6 according to the priority needs for each country. It is to be finalized according to the allocated budget on Japanese side in each Japanese fiscal year.
- (2) Thailand and neighboring countries will make their best efforts to secure and allocate necessary resources to implement the RTCPP smoothly and efficiently.



LIST OF ANNEX

- ANNEX 1 PROJECT DESIGN MATRIX
- ANNEX 2 PLANS OF OPERATION
- ANNEX 3 ANNUAL PLANS OF OPERATION
- ANNEX 4 PROJECT ORGANIZATION CHART
- ANNEX 5 MONITORING REPORT FORMAT
- ANNEX 6 WISH LISTS OF EQUIPMENT

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ANNEXES

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Project Design Matrix (PDM) of the Project on Animal Disease Control in Thailand and Neighboring Countries

ANNEX 1

Project Site : Main Site: Disease Control Division(DCD), DLD, MOAC

Sub-Sites: a) Div. of Veterinary Epidemiology (DVE), b) National Institute of Animal Health (NIAH), c) Div. of Veterinary Biologics (DVB)

Participating Countries : Thailand(Core Country), Malaysia(Collaborating Country), Cambodia, Lao P.D.R, Myanmar and Vietnam

Target Group : Staff of the Project Sites, Staff of the Animal Health Departments of Neighboring Countries

Project Period 25th December 2001- 24th December 2006

Version 2.0. 2002.7.18

Narrative Summary	Verifiable Indicators	Means of Verification	Important Assumptions
<p>Overall Goal: The improvement of animal health is promoted in Thailand and neighboring countries.</p>	Outbreak and occurrence of animal diseases	1. OIE Report 2. FAO Report 3. Statistics from the Governments	
<p>Project Purpose: The technology of animal disease control is improved in Thailand and neighboring countries.</p>	1. A common system on Animal Health Information shared among the member countries of the Project 2. Numbers of internationally recognized methods on - diagnosis, - vaccine production and quality control - animal quarantine that are commonly introduced among the member countries of the Project	1. Animal Health and Production Information System for ASEAN (AHPISA) 2. Annual Reports from the Animal Health Departments (relevant information in English) 3. Monitoring Reports of the Project	1. No catastrophic disease outbreak in the region. 2. Suitable policy is applied in animal health development.
<p>Output: 1. Strengthening of regional cooperation system and resources for effective animal disease control including FMD. 2. Disease surveillance techniques are improved. 3. Vaccine production and quality control techniques are improved. 4. Animal quarantine techniques are improved.</p>	1-1 Significant interchange of human resources and information on animal health among the member countries of the Project 2-1 Numbers of internationally recognized diagnostic methods used in each country 3-1 Kinds and quantities of qualified vaccine produced. 4-1 Harmonization of animal quarantine procedures among the member countries 4-2 Number of animals checked during pass through the border and domestic quarantine facilities at selected important border points by the harmonized procedures	1. Monitoring Reports of the Project 2. Annual Report from the Animal Health Departments (relevant information in English) 3. Reports of the Meetings 4. Reports from Training Participants 5. Reports from Regional Experts 6. Proceedings of the Seminar and Workshop	1. Support by other donors is maintained. 2. Suitable veterinary service system is established. 3. Veterinary legislation is established.
<p>Activities: 1. Strengthening of the capacity of the regional cooperation system and resources for effective animal disease control 1-1. Develop human and institutional resources for regional cooperation 1-2. Plan and implement country plans under the Project including staff training and equipment supply 2. Improvement of disease surveillance 2-1. Reinforce/strengthen diagnostic techniques 2-2. Collect, analyze and distribute epidemiological information 2-3. Develop a basic disease information system 3. Improvement of vaccine production and quality control techniques 3-1. Reinforce/strengthen vaccine production techniques 3-2. Reinforce/strengthen vaccine quality control techniques 4. Improvement of animal quarantine techniques 4-1. Promote technical concepts and practical procedures of quarantine 4-2. Strengthen disease detection techniques at selected important border points</p>	<p align="center">Input</p> <p><u>Japan</u> 1. Dispatch of Japanese experts 1) Long term experts Chief Advisor Project Coordinator Expert in the technical field of Animal Disease Control 2) Short term experts 2. Provision of equipment 3. Acceptance of trainees 1) Training in Japan 2) Training in core and collaborating countries 4. Dispatch of the Missions, when necessity arises</p>	<p><u>Thailand</u> 1. Provision of land and facilities 2. Arrangement of C/P Project Director Project Manager Staff specialist of necessary field Other necessary supporting staff 3. Dispatch of Thai experts 4. Acceptance of trainees 5. Cost for administration of project coordination</p> <p><u>Malaysia</u> 1. Dispatch of Malaysian experts 2. Acceptance of trainees</p> <p><u>Each neighboring country (including Malaysia)</u> 1. Provision of land and facilities 2. Arrangement of C/P National Coordinator Staff specialist of necessary field Other necessary supporting staff</p>	<p>Preconditions: 1. Thailand and Neighboring Countries maintain good international relations. 2. There is no force majeure in the region. 3. The Governments and Animal Health Departments of each country accept the Project and maintain to allocate budget for consumables, manpower and other national costs appropriately.</p>

PLANS OF OPERATION (PO)

CAMBODIA

LAO PDR

MALAYSIA

MYANMAR

VIETNAM

THAILAND

PO of Cambodia

No.	Project Activities	Target/Indicator	Responsible by	JFY					Input	Remark
				2002	2003	2004	2005	2006		
Output 1	Strengthening of capacity for regional cooperation system and human as well as other resources for effective animal disease control									
1.1	Development of available manpower and institutional resources for regional cooperation		NAHPIC (Cambodia)							
1.1.1	Studying on important and practical topic and subjects	List of topics and subjects offered for technology transfer in	NAHPIC (Cambodia)							
1.1.2	Development of the database of training institutions in the region	List of institute and subjects available in the region for training	NAHPIC (Cambodia)							
1.1.3	Development of the database of available human resources in the region	List of human resources as well as affiliation and country	NAHPIC (Cambodia)							
1.2	Plan and implement country plans under the Project including staff training and equipment		NAHPIC (Cambodia)							
1.2.1	Making PO and APO		NAHPIC (Cambodia)							
Output 2	Improvement of disease surveillance									
2.1	Improvement of diagnostic techniques									
Training of Cambodian staff by Japan and Thai expert in Cambodia										
2.1.1	Training of laboratory diagnosis	No. of expert dispatched and Trainees								
2.1.2	Training of field investigation	No. of expert dispatched and Trainees								
2.1.3	Active surveillance of FMD, CSF, HS, Br, ND, etc	Annual report	NAHPIC (Cambodia)						Cambodia C/P	
Foot and mouth disease										
2.1.4	Training of Cambodian counterpart in Thailand	No. of trainees	FMD center (Pakchong)							2 months
2.1.5	Dispatch of expert	No. of expert dispatched	Project office FMD center (Pakchong)						Thai expert	1-2 weeks
2.1.6	Participating for the seminar	Presentation of the country report	NAHPIC (Cambodia)							in Thailand
2.1.7	Training of Cambodian staff by C/P	No. of trainees	NAHPIC (Cambodia)						Cambodia C/P	
Classical swine fever										
2.1.8	Training of Cambodian counterparts	No. of trainees	Project office NIAH (Japan and Thailand)							2 months 2002; Japan 2003; Thailand
2.1.9	Dispatch of expert	No. of expert dispatched	Project office NIAH (DLD)						Thai expert	
2.1.10	Participating for the seminar	Presentation of the country report	NAHPIC (Cambodia)							
2.1.11	Training of Cambodian staff by C/P		NAHPIC (Cambodia)						Cambodia C/P	
Hemorrhagic septicemia (HS)										
2.1.12	Training of Cambodian counterpart in Thailand	No. of trainees	NIAH (DLD)							1 month
2.1.13	Training of Cambodian staff by C/P	No. of trainees	NAHPIC (Cambodia)						Cambodia C/P	
Brucellosis										
2.1.14	Training of Cambodian counterpart in Thailand	No. of training	NIAH (DLD)							1 month
2.1.15	Training of Cambodian staff by C/P	No. of training	NAHPIC (Cambodia)						Cambodia C/P	
Newcastle disease										
2.1.16	Training of Cambodian counterpart in Thailand	No. of training	Project office NIAH (DLD)							1 month
2.1.17	Training of Cambodian staff by C/P	No. of training	NAHPIC (Cambodia)						Cambodia C/P	
2.2	Improvement of data collection, analysis and distribution of epidemiological information									

No.	Project Activities	Target/Indicator	Responsible by	JFY					Input	Remark
				2002	2003	2004	2005	2006		
2.2.1	Training of Cambodian counterpart in Thailand	No. of trainees	Division of Epidemiology (DLD)							2-4 weeks
2.2.2	Training of Cambodian staff by C/P	No. of trainees	NAHPIC (Cambodia)						Cambodia C/P	
2.2.3	Planning of the active surveillance	Plan	NAHPIC (Cambodia)						Cambodia C/P	
2.2.4	Utilizing for the active surveillance		NAHPIC (Cambodia)						PC	
2.2.5	Publishing of animal disease statistic	Animal disease statistic	NAHPIC (Cambodia)						NAHPI (Cambodia)	
2.3	Development of basic disease information system									
2.3.1	Training of Cambodian counterpart in Thailand	No. of trainees	Division of Epidemiology (DLD)							2-4 weeks Same C/P as 2.2.1
2.3.2	Training of Cambodian staff by C/P		NAHPIC (Cambodia)						Cambodia C/P	
2.3.3	Making the data base of animal disease	Annual report	NAHPIC (Cambodia)						PC	
2.3.4	Planning to provide the data for animal disease control		NAHPIC (Cambodia)						Cambodia C/P	
Output 3	Improvement of vaccine production									
3.1	Improvement of ND vaccine production									
3.1.1	Dispatch of expert to examine facilities and feasibility	No. of expert dispatched	Project office Division of Veterinary Biologies(DLD)						Thai expert	
3.2	Improvement of HS vaccine production									
3.2.1	Dispatch of expert to examine facilities and feasibility	No. of expert dispatched	Project office Division of Veterinary Biologies(DLD)						Thai expert	
Output 4	Improvement of Animal quarantine technology									
4.1	Promotion of technical concepts and practical procedure of animal Quarantine									
4.1.1	Training of Cambodian counterpart	No. of trainees	Project office Disease Control Division(DLD)							1 month
4.1.2	Dispatch of expert	No. of expert dispatched	Project office Disease Control Division(DLD)						Thai expert	
4.1.3	Training of Cambodian staff by C/P	No. of trainees							Cambodia C/P	
4.1.4	Participation of regional seminar and workshop		Project Office						Cambodia C/P	Participation Country
4.2	Strengthening of disease detection system at the selected border points									
4.2.1	Training of Cambodian counterpart	No. of trainees	Project office Disease Control Division(DLD)							1 month (Same C/P as 4.1.1)
4.2.2	Training of Cambodian staff by C/P	No. of trainees	Animal Health Office(Cambodia)						Cambodia C/P	
4.2.3	Making a new manual for animal quarantine	New manual	Animal Health Office(Cambodia)						Cambodia C/P	
4.2.4	Practical use of new disease detection techniques	Annual report	Animal Health Office(Cambodia)						Animal Health Office(Cambodia)	

PO of Lao PDR

No.	Project Activities	Target/Indicator	Responsible by	JFY					Input	Remark
				2002	2003	2004	2005	2006		
Output 1	Strengthening of capacity for regional cooperation system and human as well as other resources for effective animal disease control									
1.1	Development of available manpower and institutional resources for regional cooperation		Department of livestock and fisheries (Lao PDR)							
1.1.1	Studying on important and practical topic and subjects	List of topics and subjects offered for technology transfer in the region	DLF in Lao PDR							
1.1.2	Development of the database of training institutions in the region	List of institute and subjects available in the region for training	DLF in Lao PDR							
1.1.3	Development of the database of available human resources in the region	List of human resources as well as affiliation and country	DLF in Lao PDR							
1.2	Plan and implement country plans under the Project including staff training and equipment supply		DLF in Lao PDR							
1.2.1	Making of PO and APO		DLF in Lao PDR							
Output 2	Improvement of disease surveillance									
2.1	Improvement of diagnostic techniques									
Foot and mouth disease										
2.1.1	Training of Lao PDR counterpart in Thailand	No. of trainees	FMD Center (Pakchong)							2month
2.1.2	Dispatch of expert	No. of expert dispatched	Project office/ FMD Center (Pakchong)							Thai expert
2.1.3	Participating for the seminar	Presentation of the country report	DLF in Lao PDR							
2.1.4	Training of Lao PDR staff by C/P	No. of trainees	DLF in Lao PDR Project office							Lao C/P
2.1.5	Active surveillance of FMD	Annual report	DLF in Lao PDR							Lao C/P
Classical swine fever										
2.1.6	Training of Lao PDR counterpart in Japan and Thailand		NIAH(Japan and Thailand)							1-2 month 2002:Japan
2.1.7	Dispatch of expert	No. of expert dispatched	Project office/ NIAH(Thailand)							Thai expert
2.1.8	Participating for the seminar	Presentation of the country report	DLF in Lao PDR							
2.1.9	Training of Lao PDR staff by C/P	No. of trainees	DLF in Lao PDR							Lao C/P
2.1.10	Practical Diagnosis of classical swine fever	Annual report	DLF in Lao PDR							Lao C/P
Pasteurellosis(Diagnosis and serotyping)										
2.1.11	Training of Lao PDR counterpart in Thailand	No. of trainees	Project office/ NIAH(DLD)							1-2 month
2.1.12	Dispatch of expert	No. of expert dispatched	Project office/ NIAH(DLD)							Thai expert
2.1.13	Training of Lao PDR staff by C/P		DLF in Lao PDR							Lao C/P
2.1.14	Active surveillance of Pasteurellosis	Annual report	DLF in Lao PDR							Lao C/P
Newcastle disease										
2.1.15	Training of Lao PDR counterpart in Malaysia	No. of trainees	Project office/ VRI							1-2 month
2.1.16	Dispatch of expert	No. of expert dispatched	Project office/ NIAH(DLD)							Thai expert
2.1.17	Training of Lao PDR staff by C/P	No. of trainees	DLF in Lao PDR							Lao C/P
2.1.18	Active surveillance of Newcastle disease	Annual report	DLF in Lao PDR							Lao C/P
Duck plague										
2.1.19	Training of Lao PDR counterpart in Thailand	No. of trainees	NIAH(DLD)							1-2 month

No.	Project Activities	Target/Indicator	Responsible by	JFY					Input	Remark
				2002	2003	2004	2005	2006		
2.1.20	Dispatch of expert	No. of expert dispatched	Project office/ NIAH(DLD)						Thai expert	
2.1.21	Training of Lao PDR staff by C/P	No. of trainees	DLF in Lao PDR						Lao C/P	
2.1.22	Active surveillance of Duck plague disease	Annual report	DLF in Lao PDR						Lao C/P	
Infectious bursal disease										
2.1.23	Training of Lao PDR counterpart in Malaysia	No. of trainees	Project office/ VRI							1-2 month
2.1.24	Dispatch of expert	No. of expert dispatched	Project office/ NIAH(DLD)						Thai expert	
2.1.25	Training of Lao PDR staff by C/P	No. of trainees	DLF in Lao PDR						Lao C/P	
2.1.26	Active surveillance of Infectious bursal disease	Annual report	DLF in Lao PDR						Lao C/P	
Paratuberculosis										
2.1.27	Training of Lao PDR counterpart in Thailand	No. of trainees	NIAH(DLD)							2 month
2.1.28	Dispatch of expert	No. of expert dispatched	Project office/ NIAH(DLD)						Thai expert	
2.1.29	Training of Lao PDR staff by C/P	No. of trainees	DLF in Lao PDR						Lao C/P	
2.1.30	Active surveillance of Paratuberculosis	Annual report	DLF in Lao PDR						Lao C/P	
Pathological diagnosis										
2.1.31	Training of Lao PDR counterpart in Thailand	No. of trainees	NIAH(DLD)							3-6 month
2.1.32	Dispatch of expert	No. of expert dispatched	Project office/ NIAH(DLD)						Thai expert	
2.1.33	Training of Lao PDR staff by C/P	No. of trainees	DLF in Lao PDR						Lao C/P	
2.1.34	Pathological diagnosis	Annual report	DLF in Lao PDR						Lao C/P	
Toxicological diagnosis										
2.1.35	Training of Lao PDR counterpart in Thailand	No. of trainees	NIAH(DLD)							3-6 month
2.1.36	Dispatch of expert	No. of expert dispatched	Project office/ NIAH(DLD)						Thai expert	
2.1.37	Training of Lao PDR staff by C/P	No. of trainees	DLF in Lao PDR						Lao C/P	
2.1.38	Toxicological diagnosis	Annual report	DLF in Lao PDR						Lao C/P	
2.2	Improvement of data collection, analysis and distribution of epidemiological information									
2.2.1	Training of Lao PDR counterpart in Thailand	No. of trainees	Division of Veterinary Epidemiology (DLD)							2-4 week
2.2.2	Training of Lao PDR staff by C/P	No. of trainees	DLF in Lao PDR						Lao C/P	
2.2.3	Planning of the active surveillance	plan	DLF in Lao PDR						Lao C/P	
2.2.4	Utilizing for the active surveillance		DLF in Lao PDR						PC	
2.2.5	Publishing the statistics of the animal disease	Annual report	DLF in Lao PDR							
2.3	Development of basic disease information system									
2.3.1	Training of Lao PDR counterpart in Thailand		Division of Veterinary Epidemiology(DLD)							2~4 weeks
2.3.2	Training of Lao PDR staff by C/P		DLF in Lao PDR							
2.3.3	Making the data base of animal disease		DLF in Lao PDR							
2.3.4	Planning to provide the data for animal disease control		DLF in Lao PDR							
Output 3										
Improvement of vaccine production and quality control										
3.1	Haemorrhagic septicemia vaccine production(oil adjuvant vaccine) and quality control									
3.1.1	Training of Lao PDR counterpart in Thailand	2 persons 2 courses	Division of Veterinary Biologies(DLD)							1 month
3.1.2	Dispatch of expert	No. of expert dispatched	Project office/ Division of Veterinary Biologies(DLD)						Thai expert	

No.	Project Activities	Target/Indicator	Responsible by	JFY					Input	Remark
				2002	2003	2004	2005	2006		
3.1.3	Training of Lao PDR staff by C/P	No. of trainees	DLF in Lao PDR						Lao C/P	
3.1.4	Production of experimental vaccine	Annual report of vaccine production	DLF in Lao PDR						Lao C/P	
3.1.5	Field test of experimental vaccine	Report of the result	DLF in Lao PDR						Lao C/P	
3.1.6	Production of HS vaccine (oil adjuvant)	Annual report of vaccine production	DLF in Lao PDR						Lao C/P	
3.2	Classical swine fever vaccine production and quality control									
3.2.1	Training of Lao PDR counterpart in Thailand	No. of trainees	Division of Veterinary Biologic (DLD)							2 month
3.2.2	Dispatch of expert	No. of expert dispatched	Division of Veterinary Biologic (DLD)						Thai expert	
3.2.3	Training of Lao PDR staff by C/P	No. of trainees	DLF in Lao PDR						Lao C/P	
3.2.4	Production of experimental vaccine	Annual report of vaccine production	DLF in Lao PDR						Lao C/P	
3.2.5	Field test of experimental vaccine	Report of the result	DLF in Lao PDR						Lao C/P	
3.2.6	Production of CSF vaccine	Annual report of vaccine production	DLF in Lao PDR						Lao C/P	
3.3	Newcastle disease vaccine (inactivated vaccine) production and quality control									
3.3.1	Training of Lao PDR counterpart in Thailand	No. of trainees	Division of Veterinary Biologic (DLD)							2 month
3.3.2	Dispatch of expert	No. of expert dispatched	Division of Veterinary Biologic (DLD)						Thai expert	
3.3.3	Training of Lao PDR staff by C/P	No. of trainees	DLF in Lao PDR						Lao C/P	
3.3.4	Production of experimental vaccine	Annual report of vaccine production	DLF in Lao PDR						Lao C/P	
3.3.5	Field test of experimental vaccine	Report of the result	DLF in Lao PDR						Lao C/P	
3.3.6	Production of ND inactivated vaccine	Annual report of vaccine production	DLF in Lao PDR						Lao C/P	
Output 4	Improvement of animal quarantine technology									
4.1	Promotion of technical concepts and practical procedures of quarantine									
4.1.1	Training of Lao PDR counterpart	No. of trainees	Project office AQ(Thailand or Japan)							1 month
4.1.2	Dispatch of expert	No. of expert dispatched	Project Office						Thai expert	
4.1.3	Training of Lao PDR staff by C/P	No. of trainees	DLF in Lao PDR						Lao C/P	
4.1.4	Participation of regional seminar and workshop		Project Office						Lao C/P	
4.2	Strengthening disease detection techniques at selected important border points									
4.2.1	Training of Lao PDR counterpart	No. of trainees	Project office AQ(Thailand or Japan)							1 month (Same C/P as 4.1.1)
4.2.2	Training of Lao PDR staff by C/P	No. of trainees	DLF in Lao PDR							
4.2.3	Making a new manual for animal quarantine	No. of samples	DLF in Lao PDR							
4.2.4	Practical use of new technology	No. of samples	DLF in Lao PDR							

PO of Malaysia

No.	Project Activities	Target/Indicator	Responsible by	JFY					Input	Remark
				2002	2003	2004	2005	2006		
Output 1	Strengthening of capacity for regional cooperation system and human as well as other resources for effective animal disease control									
1.1	Development of available manpower and institutional resources for regional cooperation		Department of Veterinary Services (Malaysia)							
1.1.1	Studying on important and practical topic and subjects	List of topics and subjects offered for technology transfer in the region	DVS(Malaysia)							
1.1.2	Development of the database of training institutions in the region		DVS(Malaysia)							
1.1.3	Development of the database of available human resources in the region		DVS(Malaysia)							
1.2	Plan and implement country plan under the Project including staff training and equipment supply		DVS(Malaysia)							
1.2.1	Making of PO and APO		DVS(Malaysia)							
Output 2	Improvement disease surveillance									
2.1	Improvement of diagnostic techniques									
Training of Malaysian counterpart										
Foot and Mouth Disease										
2.1.1	Training of Malaysian counterpart in Japan and Thailand	No. of trainees	NIAH(Japan) FMD center (Packchong)							2 months 2003;Japan 2004;Thailand
2.1.2	Dispatch of expert	No. of expert dispatched	Project office							
2.1.3	Participating for the seminar	Presentation of the country report	DVS(Malaysia)						Malaysian C/P	
2.1.4	Training of Malaysian staff by C/P	No. of trainees	DVS(Malaysia)						Malaysian C/P	
2.1.5	Active surveillance of FMD	Annual report	DVS(Malaysia)						Malaysian C/P	
Brucellosis										
2.1.6	Training of Malaysian counterpart in Thailand	No. of trainees	NIAH (Thailand)							2 months
2.1.7	Training of Malaysian staff by C/P	No. of trainees	DVS(Malaysia)						Malaysian C/P	
2.1.8	Active surveillance of Brucellosis	Annual report	DVS(Malaysia)						Malaysian C/P	
Anthrax										
2.1.9	Training of Malaysian counterpart in Thailand	No. of trainees	NIAH (Thailand)							2months
2.1.10	Training of Malaysian staff by C/P	No. of trainees	DVS(Malaysia)						Malaysian C/P	
2.1.11	Active surveillance of Anthrax	Annual report	DVS(Malaysia)						Malaysian C/P	

Training for staff of neighboring countries							
Poultry Disease							
2.1.12	Training of participant from neighboring country in Malaysia	No. of trainees	VRI				1-2 month
2.1.13	Dispatch of Malaysian experts to the neighboring countries	No. of expert dispatched	VRI			Malaysian experts	
2.1.14	Consultation and information services of poultry disease diagnosis	No. of consultation and information services	VRI			Malaysian experts	
2.2	Improvement of data collection, analysis and distribution of epidemiological information						
2.2.1	Training of Malaysia counterpart in Thailand	No. of trainees	Project office Division of Epidemiology (DLD)				2-4 weeks
2.2.2	Training of Malaysia staff by C/P	No. of trainees	DVS (Malaysia)			Malaysia C/P	
2.2.3	Planing of the active surveillance	Plan	DVS (Malaysia)			Malaysia C/P	
2.2.4	Utilizing for the active surveillance		DVS (Malaysia)			Malaysia C/P	
2.3	Development of basic disease information system						
2.3.1	Training of Malaysia of C/P in Thailand		Project office Division of Epidemiology (DLD)				2-4 weeks same C/P as 2.2.1
2.3.2	Training of Malaysia staff by C/P		DVS (Malaysia)			Malaysia C/P	
2.3.3	Making the data base of animal disease		DVS (Malaysia)			Malaysia C/P	

PO of Myanmar

No.	Project Activities	Target/Indicators	Responsible by	JFY					Input	Remark
				2002	2003	2004	2005	2006		
Output 1	Strengthening of capacity for regional cooperation system and human as well as other resources for effective animal disease control									
1.1	Development of available manpower and institutional resources for regional cooperation		Livestock Breeding and Veterinary Department (Myanmar)							
1.1.1	Studying on important and practical topic and subjects	List of topics and subjects offered for technology transfer in the region	LBVD (Myanmar)							
1.1.2	Development of the database of training institutions in the region	List of institute and subjects available in the region for training	LBVD (Myanmar)							
1.1.4	Development of the database of available human resources in the region	List of human resources as well as affiliation and country	LBVD (Myanmar)							
1.2	Plan and implement country plan under the Project including staff training and equipment supply		LBVD (Myanmar)							
1.2.1	Making of PO and APO		LBVD (Myanmar)							
Output 2	Improvement of disease surveillance									
2.1	Improvement of diagnostic techniques									
Foot and mouth disease										
2.1.1	Training of Myanmar counterpart in Thailand	No. of trainees	FMD center (Pakchong)							2 months
2.1.2	Dispatch of expert	No. of expert dispatched	Project office FMD center (Pakchong)						Thai expert	
2.1.3	Participating in the seminar	Presentation of the country report	LBVD (Myanmar)							
2.1.4	Training of Myanmar staff by C/P	No. of trainees	LBVD (Myanmar)						Myanmar C/P	
2.1.5	Active surveillance of Foot and mouth disease	Annual report	LBVD (Myanmar)						Myanmar C/P	
Poultry disease (Newcastle Disease)										
2.1.6	Training of Myanmar counterpart in Thailand	No. of trainees	NIAH(DLD)							1 month
2.1.7	Dispatch of expert	No. of expert dispatched	Project office/ VRI(Ipoh)						Malaysia expert	
2.1.8	Training of Myanmar staff by C/P	No. of trainees	VRI (Myanmar)						Myanmar C/P	
2.1.9	Active surveillance of poultry disease(ND)	Annual report	LBVD (Myanmar)						Myanmar C/P	
Tuberculosis										
2.1.10	Training of Myanmar counterpart	No. of trainees	NIAH(Japan)							1-2months
2.1.11	Training of Myanmar staff by C/P	No. of trainees	LBVD (Myanmar)							
2.1.12	Active surveillance of Tuberculosis	Annual report	LBVD (Myanmar)							
Classical Swine Fever										
2.1.13	Participating in the seminar	Presentation of the country report	LBVD (Myanmar)							
2.2	Improvement of data collection, analysis and distribution of epidemiological information									
2.2.1	Training of Myanmar counterpart in Thailand	No. of trainees	Project office Division of Epidemiology (DLD)							2-4 weeks

No.	Project Activities	Target/Indicators	Responsible by	JFY					Input	Remark
				2002	2003	2004	2005	2006		
2.2.2	Training of Myanmar staff by C/P	No. of trainees	LBVD (Myanmar)						Myanmar C/P	
2.2.3	Planing of the active surveillance	Plan	LBVD (Myanmar)						Myanmar C/P	
2.2.4	Utilizing for the active surveillance		LBVD (Myanmar)						PC	
2.2.5	Publishing the statistics of the animal disease	Annual statistics	LBVD (Myanmar)						LBVD(Myanmar)	
2.3	Development of basic disease information system									
2.3.1	Training of Myanmar counterpart in Thailand	No. of trainees	Project office Division of epidemiology (DLD)							2-4 weeks same C/P as 2.2.1
2.3.2	Training of Myanmar staff by C/P	No. of trainees	LBVD (Myanmar)						Myanmar C/P	
2.3.3	Making the data base of animal disease		LBVD (Myanmar)						PC	
2.2.4	Planning to provide the data for animal disease control		LBVD (Myanmar)						Myanmar C/P	
Output 3	Improvement of vaccine production and quality control									
3.1	FMD vaccine Production and quality control									
3.1.1	Training of Myanmar counterpart in Thailand	No. of trainees	FMD center (Pakchong)							4-6 months
3.1.2	Dispatch of expert	No. of expert dispatched	Project office FMD center (Pakchong)						Thai expert	
3.1.3	Training of Myanmar staff by C/P	No. of trainees	LBVD (Myanmar)						Myanmar C/P	
3.1.4	Improvement of procedure of vaccine production		LBVD (Myanmar)						LBVD(Myanmar)	
3.1.5	Production of improved FMD vaccine	Annual report of vaccine production	LBVD (Myanmar)						LBVD(Myanmar)	
3.2	Newcastle disease vaccine production and quality control									
3.2.1	Training of Myanmar counterpart in Thailand	No. of trainees	Division of Veterinary Biologics(DLD)							2-3 months
3.2.2	Dispatch of expert	No. of expert dispatched	Project office Division of Veterinary Biologics(DLD)						Thai expert	
3.2.3	Training of Myanmar staff by C/P		LBVD (Myanmar)						Myanmar C/P	
3.2.4	Improvement of procedure of vaccine production		LBVD (Myanmar)						LBVD (Myanmar)	
3.2.5	Production of improved ND vaccine	Annual report of vaccine production	LBVD (Myanmar)						LBVD (Myanmar)	
3.3	Rabies Vaccine Production and quality control									
3.3.1	Training of Myanmar counterpart in Japan	No. of trainees	Project office							2 months
3.3.2	Dispatch of expert	No. of expert dispatched	Project office						Japanese expert	
3.3.3	Training of Myanmar staff by C/P	No. of trainees	LBVD (Myanmar)						Myanmar C/P	
3.3.4	Setting of Rabies vaccine production equipment		LBVD (Myanmar)						LBVD (Myanmar)	
3.3.5	Experimental vaccine production		LBVD (Myanmar)						LBVD (Myanmar)	
3.3.6	Field test of experimental vaccine	Annual report of vaccine production	LBVD (Myanmar)						LBVD (Myanmar)	
3.4	Infectious bursal disease vaccine production and quality control									

No.	Project Activities	Target/Indicators	Responsible by	JFY					Input	Remark
				2002	2003	2004	2005	2006		
3.4.1	Training of Myanmar counterpart in Thailand	No. of trainees	Division of Veterinary Biologics(DLD)							2-3 months
3.4.2	Dispatch of expert	No. of expert dispatched	Project office Division of Veterinary Biologics(DLD)						Thai expert	
3.4.3	Training of Myanmar staff by C/P	No. of trainees	LBVD (Myanmar)						Myanmar C/P	
3.4.4	Setting of IBD vaccine production equipment		LBVD (Myanmar)						LBVD (Myanmar)	
3.4.5	Experimental vaccine production		LBVD (Myanmar)						LBVD (Myanmar)	
3.4.6	Field test of experimental vaccine	Annual report of vaccine production	LBVD (Myanmar)						LBVD (Myanmar)	
3.5	Brucellosis vaccine and antigen production and quality control									
3.5.1	Training of Myanmar counterpart in Thailand	No. of trainees	Division of Veterinary Biologics(DLD)							2-3 months
3.5.2	Dispatch of expert	No. of expert dispatched	Project office Division of Veterinary Biologics(DLD)						Thai expert	
3.5.3	Training of Myanmar staff by C/P	No. of trainees	LBVD (Myanmar)						Myanmar C/P	
3.5.4	Setting of vaccine production equipment		LBVD (Myanmar)						LBVD (Myanmar)	
3.5.5	Experimental vaccine production		LBVD (Myanmar)						LBVD (Myanmar)	
3.5.6	Field test of experimental vaccine	Annual report of vaccine production	LBVD (Myanmar)						LBVD (Myanmar)	
Output 4	Improvement of animal quarantine technology									
4.1	Promote technical concepts and practical procedures of quarantine									
4.1.1	Dispatch of expert	No. of expert dispatched	AQ (Thailand)						Thai expert	
4.1.2	Participating in regional seminar and workshop		LBVD (Myanmar)						Myanmar C/P	
4.2	Strengthen disease detection techniques at selected important border points									
4.2.1	Training of Myanmar counterpart in Thailand or Japan	No. of trainees	Project office AQ(Japan)							1 month same C/P as 4.1.1
4.2.2	Training of Myanmar staff by C/P	No. of trainees	LBVD (Myanmar)						Myanmar C/P	
4.2.3	Making a new manual for animal quarantine	New manual	LBVD (Myanmar)						Myanmar C/P	
4.2.4	Practical use of new disease detection techniques	Annual report of animal quarantine	LBVD (Myanmar)						LBVD (Myanmar)	

PO of Vietnam

No.	Project Activities	Target/Indicator	Responsible by	JFY					Input	Remark
				2002	2003	2004	2005	2006		
Output 1	Strengthening of capacity for regional cooperation system and human as well as other resources for effective animal disease control									
1.1	Development of available manpower and institutional resources for regional cooperation		Department of Animal Health (Vietnam)							
1.1.1	Studying on important and practical topic and subjects	List of topics and subjects offered for technology transfer in the region	DAH(Vietnam)							
1.1.2	Development of the database of training institutions in the region	List of institute and subjects available in the region for training	DAH(Vietnam)							
1.1.3	Development of the database of available human resources in the region	List of human resources as well as affiliation and country	DAH(Vietnam)							
1.2	Plan and implement country plans under the Project including staff training and equipment		DAH(Vietnam)							
1.2.1	Making PO and APO		DAH(Vietnam)							
Output 2	Improvement of Disease surveillance									
2.1	Improvement of diagnostic technology									
Foot and Mouth Disease										
2.1.1	Training of Vietnam counterpart in Thailand	No. of trainees	FMD center (Pakchong)						3-6 months	
2.1.2	Dispatch of expert	No. of expert dispatched	Project office/ NIAH(DLD)						Thai expert	
2.1.3	Participating in the seminar	Presentation of the country report	DAH(Vietnam)						Vietnam C/P	
2.1.4	Training of Vietnam staff by C/P	No. of trainees	DAH(Vietnam)						Vietnam C/P	
2.1.5	Active surveillance of FMD	Annual report	DAH(Vietnam)						Vietnam C/P	
Infectious bursal disease										
2.1.6	Training of Vietnam counterpart in Malaysia	No. of trainees	Project office/ VRI(Ipoh)						2 months	
2.1.7	Dispatch of expert	No. of expert dispatched	Project office/ VRI(Ipoh)						Malaysia expert	
2.1.8	Training of Vietnam staff by C/P	No. of trainees	DAH(Vietnam)						Vietnam C/P	
2.1.9	Active surveillance of poultry disease	Annual report	DAH(Vietnam)						Vietnam C/P	
Duck viral hepatitis										
2.1.10	Training of Vietnam counterpart in Malaysia	No. of trainees	Project office VRI(Ipoh)						1 month	
2.1.11	Dispatch of expert	No. of expert dispatched	Project office/ VRI(Ipoh)						Malaysia expert	
2.1.12	Training of Vietnam staff by C/P	No. of trainees	DAH(Vietnam)						Vietnam C/P	
2.1.13	Active surveillance of poultry disease	Annual report	DAH(Vietnam)						Vietnam C/P	
Classical swine fever										
2.1.14	Participating in the seminar	Presentation of the country report	DAH(Vietnam)						Vietnam C/P	
Rabies										
2.1.15	Training of Vietnam counterpart in Thailand	No. of trainees	Project office/ NIAH(DLD)						2-3 weeks	
2.1.16	Dispatch of expert	No. of expert dispatched	Project office/ NIAH(DLD)						Thai expert	

No.	Project Activities	Target/Indicator	Responsible by	JFY					Input	Remark
				2002	2003	2004	2005	2006		
2.1.17	Training of Vietnam staff by C/P	No. of trainees	DAH(Vietnam)						Vietnam C/P	
2.1.18	Utilizing for practical diagnosis of rabies	Annual report	DAH(Vietnam)						Vietnam C/P	
2.2	Implement of collection, analysis and distribution of epidemiological information									
2.2.1	Training of Vietnam counterpart in Thailand	No. of trainees	Division of Epidemiology (DLD)							2-4 weeks
2.2.2	Training of Vietnam staff by C/P	No. of trainees	DAH(Vietnam)						Vietnam C/P	
2.2.3	Planning of the active surveillance		DAH(Vietnam)						Vietnam C/P	
2.2.4	Using of epidemiological information system	Annual report	DAH(Vietnam)						Vietnam C/P	
2.3	Development of basic disease information system		Division of Epidemiology (DLD)							
2.3.1	Training of Vietnam counterpart in Thailand	No. of trainees	Division of Epidemiology (DLD)							2-4 weeks (Same C/P as 2.2.1)
2.3.2	Training of Vietnam staff by C/P	No. of trainees	DAH(Vietnam)						Vietnam C/P	
2.3.3	Making the data base of animal disease		DAH(Vietnam)						Vietnam C/P	
2.3.3	Planing to provide the data for animal disease control	Annual report	DAH(Vietnam)						Vietnam C/P	
Output 3	Improvement of vaccine production and quality control									
3.1	Improvement of Hemorrhagic Septicemia vaccine production and quality control									
3.1.1	Training of Vietnam counterpart in Thailand	No. of trainees	Division of Veterinary Biologics (DLD)							3 months
3.1.2	Dispatch of Thai expert	No. of expert dispatched	Division of Veterinary Biologics (DLD)						Thai expert	
3.1.3	Training of Vietnam staff by C/P	No. of trainees	DAH(Vietnam)						Vietnam C/P	
3.1.4	Improvement of procedure of vaccine production		DAH(Vietnam)						Vietnam C/P	
3.1.5	Production of improved HS vaccine	Annual report of vaccine production	DAH(Vietnam)						Vietnam C/P	
3.2	Improvement of classical swine fever vaccine production and quality control									
3.2.1	Training of Vietnam counterpart in Japan	No. of trainees	Project office							1-2 months
3.2.2	Dispatch of expert	No. of expert dispatched	Project office						Japanese expert	
3.2.3	Training of Vietnam staff by C/P	No. of trainees	DAH(Vietnam)						Vietnam C/P	
3.2.4	Production of experimental vaccine	Annual report of vaccine production	DAH(Vietnam)						Vietnam C/P	
3.2.5	Field test of experimental vaccine	Report of the result	DAH(Vietnam)						Vietnam C/P	
Output 4	Improvement of animal quarantine technology									
4.1	Promotion of technical concepts and practical procedures of quarantine		DAH(Vietnam)							

No.	Project Activities	Target/Indicator	Responsible by	JFY					Input	Remark	
				2002	2003	2004	2005	2006			
4.1.1	Dispatch of expert	No. of expert dispatched	Project office AQ(Thailand)							Thai expert	
4.1.2	Participating in regional seminar and workshop		DAH(Vietnam)							Vietnam C/P	
4.2	Strengthening of disease detection system of selected important border points		DAH(Vietnam)								
4.2.1	Training of Vietnam counterpart in Thailand or Japan	No. of trainees	Project office AQ(Thailand or Japan)								1 month
4.2.2	Training of Vietnam staff by C/P	No. of trainees	DAH(Vietnam)							Vietnam C/P	
4.2.3	Making a new manual for animal quarantine	New manual	DAH(Vietnam)							Vietnam C/P	
4.2.4	Practical use of new technology	Number of animal checked go through	DAH(Vietnam)							Vietnam C/P	

PO of Thailand

No.	Project Activities	Target/Indicator	Responsible by	JFY					Input	Remark
				2002	2003	2004	2005	2006		
	Strengthening capacity for regional cooperation system and human resources for effective animal disease control									
1.1	Development of available manpower and institutional resources for regional cooperation									
1.1.1	Studying on important and practical topic and subjects	List of topics and subjects offered for technology transfer in the region	Thai counterpart							
1.1.2	Development of the database of training institutions in the region	List of institute and subjects available in the region for training	Thai counterpart							
1.1.3	Development of the database of available human resources in the region	List of human resources as well as affiliation and country	Thai counterpart							
1.2	Plan and implement country plans under the Project including staff training and equipment supply									
1.2.1	Making of PO and APO									
1.3	Development of the training program and producing of the training materials		Division of Training and other - related organisations							
1.3.1	Development of the training modules	No. of training modules produced	Division of Training and other - related organisations							
1.3.2	Development and producing of training material in Thai and English language	1.No. of training materials produced in Thai 2.No. of training materials produced in English	Division of Training and other - related organisations							
2	Improvement of disease surveillance									
2.1	Improvement of diagnostic techniques									
Training for Thai counterpart										
2.1.1	Foot and Mouth Disease	Improvement in capacity for diagnosis of FMD	FMD Diagnostic Center							
2.1.1.1	Training of Thai counterpart in Japan	No. of trainees : 2 person	Project Office						3 months each	
2.1.1.2	Dispatch of expert	No. of expert dispatched	Project Office					Japanese expert	2 months	
2.1.2	Classical Swine Fever	Improvement in capacity for diagnosis of CSF	NIAH							
2.1.2.1	Training of Thai counterpart	No. of trainees	Project Office							
2.1.2.2	Dispatch of expert	No. of expert dispatched	Project Office					Japanese expert	2 months	
2.1.3	Other diseases	Improvement in capacity for diagnosis of other diseases	NIAH							

**ANNUAL PLANS OF OPERATION
(APO)**

CAMBODIA

LAO PDR

MALAYSIA

MYANMAR

VIETNAM

THAILAND

APO of Cambodia

No.	Project Activities	Target/Indicator	Responsible by	2002				Input	Remark
				I	II	III	IV		
Output 1	Strengthening of capacity for regional cooperation system and human as well as other resources for effective animal disease control								
1.1	Development of available manpower and institutional resources for regional cooperation		NAPHIC (Cambodia)						
1.1.1	Studying on important and practical topic and subjects	List of topics and subjects offered for technology transfer in the region	NAPHIC (Cambodia)						
1.1.2	Development of the database of training institutions in the region	List of institute and subjects available in the region for training	NAPHIC (Cambodia)					PC	
1.1.3	Development of the database of available human resources in the region	List of human resources as well as affiliation and country	NAPHIC (Cambodia)					PC	
1.2	Plan and implement country plans under the Project including staff training and equipment supply		NAPHIC (Cambodia)						
1.2.1	Making PO and APO		NAPHIC (Cambodia)						
Output 2	Improvement of disease surveillance								
2.1	Improvement of diagnostic techniques								
Foot and mouth disease									
2.1.1	Training of Cambodia counterpart in Thailand	No. of trainees	FMD center (Packchong)						2 months
2.1.1.1	Making a training plan *Decide the contents of training course and duration of the training period		FMD center (Packchong)						
2.1.1.2	Inform acceptance of the training to NAHPI(Cambodia)		Project office						
2.1.1.3	Application for the training		NAPHIC (Cambodia)						
2.1.1.4	Notification of acceptance		Project office						
2.1.1.5	Making convenience for the participant		Project office FMD center (Packchong)						
2.1.1.6	Preparation of training material		FMD center (Packchong)						
2.1.1.7	Conduct the training course		Project office FMD center (Packchong)						
2.1.1.8	Submission of report and evaluation of the course	Report	Project office FMD center (Packchong)						
Classical swine fever									
2.1.6	Training of Cambodia counterpart		NIAH (Japan)						1-2 month
2.1.6.1	Making a training plan *Decide the contents of training course and duration of the training period		Project office						
2.1.6.2	Inform acceptance of the training to NAHPI(Cambodia)		Project office						
2.1.6.3	Application for the training		NAPHIC (Cambodia)						
2.1.6.4	Notification of acceptance		Project office						

3.2.1.3	Application for the training		DLF (Lao PDR)																	
3.2.1.4	Notification of acceptance		Project office																	
3.2.1.5	Making convenience for the participant Preparation of training material		Project office DVB(DLD)																	
3.2.1.6	Conduct the training course		Project office DVB(DLD)																	
3.2.1.7	Submission of report and evaluation of the course		Project office																	Lao C/P
Output 4	Improvement of animal quarantine technology																			
4.1	Promotion of technical concepts and practical procedures of quarantine																			2004
4.2	Strengthen disease detection techniques at selected important border point																			2004

2.1.11	Training of Lao PDR counterpart in Thailand	No. of trainees	Project office NIAH(DLD)									1-2 month
2.1.11.1	Making a training plan Decide the contents of training course and duration of the training period		Project office NIAH(DLD)									
2.1.11.2	Inform acceptance of the training to DLF(Lao PDR)		Project office									
2.1.11.3	Application for the training		Department of Livestock and Fisheries (Lao PDR)									
2.1.11.4	Notification of acceptance		Project office									
2.1.11.5	Making convenience for the participant Preparation of training material		Project office NIAH(DLD)									
2.1.11.6	Conduct the training course		Project office									
2.1.11.7	Submission of report and evaluation of the course		Project office NIAH(DLD)									
2.2	Improvement of data collection, analysis and distribution of epidemiological information											
2.3	Development of basic disease information system											
Output 3	Improvement of vaccine production and quality control											
3.1	Hemorrhagic septicemia vaccine production oil adjuvant vaccine) and quality control											
3.1.1	Training of Lao PDR counterpart		Division of Veterinary Biologics(DLD)									1 month 2 persons
3.1.1.1	Making a training plan Decide the contents of training course and duration of the training period		DVB(DLD)									
3.1.1.2	Inform acceptance of the training to DLF(Lao PDR)		Project office									
3.1.1.3	Application for the training		DLF (Lao PDR)									
3.1.1.4	Notification of acceptance		Project office									
3.1.1.5	Making convenience for the participant Preparation of training material		Project office DVB(DLD)									
3.1.1.6	Conduct the training course		Project office DVB(DLD)									
3.1.1.7	Submission of report and evaluation of the course		Project office									Lao C/P
3.1.2	Dispatch of expert	No. of expert dispatched	Project office DVB(DLD)									Thai expert
3.1.2.1	Application for dispatch of expert		DLF (Lao PDR)									
3.1.2.2	Notification of dispatch of expert		Project office									
3.1.2.3	Notifying official trip		Project office									
3.1.2.4	Request of providing convenience		Project office									
3.1.2.5	Conducting the training course		Project office									
3.1.2.6	Submission of the report and evaluation		Project office									
3.2	Newcastle disease vaccine(inactivated) production and quality control											
3.2.1	Training of Lao PDR counterpart		Division of Veterinary Biologics(DLD)									2 months
3.2.1.1	Making a training plan Decide the contents of training course and duration of the training period		DVB(DLD)									
3.2.1.2	Inform acceptance of the training to DLF(Lao PDR)		Project office									

APO of Lao PDR

No.	Project Activities	Target/Indicator	Responsible by	2002				Input	Remark
				I	II	III	IV		
Output 1	Strengthening of capacity for regional cooperation system and human as well as other resources for effective animal disease control								
1.1	Development of available manpower and institutional resources for regional cooperation		Department of Livestock and Fisheries (Lao PDR)						
1.1.1	Studying on important and practical topic and subjects	List of topics and subjects offered for technology transfer in the region	DLF(Lao PDR)						
1.1.2	Development of the database of training institutions in the region	List of institute and subjects available in the region for training	DLF(Lao PDR)					PC	
1.1.3	Development of the database of available human resources in the region	List of human resources as well as affiliation and country	DLF(Lao PDR)					PC	
1.2	Plan and implement country plans under the Project including staff training and equipment supply		DLF(Lao PDR)						
1.2.1	Making PO and APO		DLF(Lao PDR)						
Output 2	Improvement of disease surveillance								
2.1	Improvement of diagnostic techniques								
Foot and mouth disease									
2.1.1	Training of Lao PDR counterpart in Thailand	No. of trainees	FMD center (Packchong)						2 month
2.1.1.1	Making a training plan *Decide the contents of training course and duration of the training period		FMD center (Packchong)						
2.1.1.2	Inform acceptance of the training to DLF(Lao PDR)		Project office						
2.1.1.3	Application for the training		DLF(Lao PDR)						
2.1.1.4	Notification of acceptance		Project office						
2.1.1.5	Making convenience for the participant		Project office FMD center (Packchong)						
2.1.1.6	Preparation of training material		FMD center (Packchong)						
2.1.1.7	Conduct the training course		Project office FMD center (Packchong)						
2.1.1.8	Submission of report and evaluation of the course	Report	Project office FMD center (Packchong)						
Classical swine fever									
2.1.2	Training of Lao PDR counterpart in Japan		NIAH (Japan)						1-2 month
2.1.2.1	Making a training plan *Decide the contents of training course and duration of the training period		Project office						
2.1.2.2	Inform acceptance of the training to DLF(Lao PDR)		Project office						
2.1.2.3	Application for the training		DLF(Lao PDR)						
2.1.2.4	Notification of acceptance		Project office						
2.1.2.5	Making convenience for the participant		Project office NIAH(Japan)						
2.1.2.6	Preparation of training material		NIAH (Japan)						
2.1.2.7	Conduct the training course		NIAH (Japan)						
2.1.2.8	Submission of report and evaluation of the course	Report	Project office NIAH(Japan)						
Pasteurellosis(Diagnosis and serotyping)									

2.1.3	Training of Lao PDR counterpart in Thailand	No. of trainees	Project office NIAH(DLD)							1-2 month
2.1.3.1	Making a training plan Decide the contents of training course and duration of the training period		Project office NIAH(DLD)							
2.1.3.2	Inform acceptance of the training to DLF(Lao PDR)		Project office							
2.1.3.3	Application for the training		Department of Livestock and Fisheries (Lao PDR)							
2.1.3.4	Notification of acceptance		Project office							
2.1.3.5	Making convenience for the participant Preparation of training material		Project office NIAH(DLD)							
2.1.3.6	Conduct the training course		Project office							
2.1.3.7	Submission of report and evaluation of the course		Project office NIAH(DLD)							
Output 3	Improvement of vaccine production and quality control									
3.1	Hemorrhagic septicemia vaccine production oil adjuvant vaccine) and quality control									
3.1.1	Training of Lao PDR counterpart		Division of Veterinary Biologics(DLD)							1 month 2 persons
3.1.1.1	Making a training plan Decide the contents of training course and duration of the training period		DVB(DLD)							
3.1.1.2	Inform acceptance of the training to DLF(Lao PDR)		Project office							
3.1.1.3	Application for the training		DLF (Lao PDR)							
3.1.1.4	Notification of acceptance		Project office							
3.1.1.5	Making convenience for the participant Preparation of training material		Project office DVB(DLD)							
3.1.1.6	Conduct the training course		Project office DVB(DLD)							
3.1.1.7	Submission of report and evaluation of the course		Project office							Lao C/P
3.1.2	Dispatch of expert	No. of expert dispatched	Project office DVB(DLD)							Thai expert
3.1.2.1	Application for dispatch of expert		DLF (Lao PDR)							
3.1.2.2	Notification of dispatch of expert		Project office							
3.1.2.3	Notifying official trip		Project office							
3.1.2.4	Request of providing convenience		Project office							
3.1.2.5	Conducting the training course		Project office							
3.1.2.6	Submission of the report and evaluation		Project office							
3.2	Newcastle disease vaccine(inactivated) production and quality control									
3.2.1	Training of Lao PDR counterpart		Division of Veterinary Biologics(DLD)							2 months
3.2.1.1	Making a training plan Decide the contents of training course and duration of the training period		DVB(DLD)							
3.2.1.2	Inform acceptance of the training to DLF(Lao PDR)		Project office							
3.2.1.3	Application for the training		DLF (Lao PDR)							
3.2.1.4	Notification of acceptance		Project office							
3.2.1.5	Making convenience for the participant Preparation of training material		Project office DVB(DLD)							

3.2.1.6	Conduct the training course		Project office DVB(DLD)			
3.2.1.7	Submission of report and evaluation of the course		Project office		Lao C/P	

APO of Malaysia

No.	Project Activities	Target/Indicator	Responsible by	2002				Input	Remark
				I	II	III	IV		
Output 1	Strengthening of capacity for regional cooperation system and human as well as other resources for effective animal disease control								
1.1	Development of available manpower and institutional resources for regional cooperation		Department of Veterinary Services (Malaysia)						
1.1.1	Studying on important and practical topic and subjects	List of topics and subjects offered for technology transfer in the region	DVS(Malaysia)						
1.1.2	Development of the database of training institutions in the region		DVS(Malaysia)						
1.1.3	Development of the database of available human resources in the region		DVS(Malaysia)						
1.2	Plan and implement country plan under the Project including staff training and equipment supply		DVS(Malaysia)						
1.2.1	Making of PO and APO		DVS(Malaysia)						

APO of Myanmar

No.	Project Activities	Target/Indicator	Responsible by	2002				Input	Remark
				I	II	III	IV		
Output 1	Strengthening of capacity for regional cooperation system and human as well as other resources for effective animal disease control								
1.1	Development of available manpower and institutional resources for regional cooperation		Livestock Breeding and Veterinary Department (Myanmar)						
1.1.1	Studying on important and practical topic and subjects	List of topics and subjects offered for technology transfer in the region	LBVD (Myanmar)						
1.1.2	Development of the database of training institutions in the region	List of institute and subjects available in the region for training	LBVD (Myanmar)					PC	
1.1.3	Development of the database of available human resources in the region	List of human resources as well as affiliation and country	LBVD (Myanmar)					PC	
1.2	Plan and implement country plans under the Project including staff training and equipment supply		LBVD (Myanmar)						
1.2.1	Making PO and APO		LBVD (Myanmar)						
Output 2	Improvement of disease surveillance								
2.1	Improvement of diagnostic techniques								
Foot and mouth disease									
2.1.1	Training of Myanmar counterpart in Thailand	No. of trainees	FMD center (Pakchong)						2 months
2.1.1.1	Making a training plan *Decide the contents of training course and duration of the training period		FMD center (Pakchong)						
2.1.1.2	Inform acceptance of the training to LBVD(Myanmar)		Project office						
2.1.1.3	Application for the training		LBVD (Myanmar)						
2.1.1.4	Notification of acceptance		Project office						
2.1.1.5	Making convenience for the participant		Project office FMD center (Pakchong)						
2.1.1.6	Preparation of training material		FMD center (Pakchong)						
2.1.1.7	Conduct the training course		FMD center (Pakchong)						
2.1.1.8	Submission of report and evaluation of the course	Report	trainee FMD center (Pakchong)						
Poultry disease(Newcastle Disease)									
2.1.5	Training of Myanmar counterpart in Thailand	No. of trainees	Project office NIAH(DLD)						1-2 months
2.1.5.1	Making a training plan Decide the contents of training course and duration of the training period		Project office NIAH (DLD)						
2.1.5.2	Inform acceptance of the training to LBVD(Myanmar)		Project office						
2.1.5.3	Application for the training		LBVD (Myanmar)						
2.1.5.4	Notification of acceptance		Project office						
2.1.5.5	Making convenience for the participant Preparation of training material		Project office NIAH (DLD)						
2.1.5.6	Conduct the training course		NIAH (DLD)						

Output 4	Improvement of animal quarantine technology																	
4.1	Promotion of technical concepts and practical procedures of quarantine		Project office															
4.2	Strengthening of disease detection system of selected important border points		Project office															

APO of Vietnam

No.	Project Activities	Target/Indicator	Responsible by	2002				Input	Remark
				I	II	III	IV		
Output 1	Strengthening of capacity for regional cooperation system and human as well as other resources for effective animal disease control								
1.1	Development of available manpower and institutional resources for regional cooperation		Department of Animal Health (Vietnam)						
1.1.1	Studying on important and practical topic and subjects	List of topics and subjects offered for technology transfer in the region	DAH(Vietnam)						
1.1.2	Development of the database of training institutions in the region	List of institute and subjects available in the region for training	DAH(Vietnam)					PC	
1.1.3	Development of the database of available human resources in the region	List of human resources as well as affiliation and country	DAH(Vietnam)					PC	
1.2	Plan and implement country plans under the Project including staff training and equipment supply		DAH(Vietnam)						
1.2.1	Making PO and APO		DAH(Vietnam)						
Output 2	Improvement of disease surveillance								
2.1	Improvement of diagnostic techniques								
Foot and mouth disease									
2.1.1	Training of Vietnam counterpart in Thailand	No. of trainees	FMD center (Pakchong)						3-6 month
2.1.1.1	Making a training plan *Decide the contents of training course and duration of the training period		FMD center (Pakchong)						
2.1.1.2	Inform acceptance of the training to DAH(Vietnam)		Project office						
2.1.1.3	Application for the training		DAH(Vietnam)						
2.1.1.4	Notification of acceptance		Project office						
2.1.1.5	Making convenience for the participant *Purchase of Air ticket *Reservation of Hotel		Project office FMD center (Pakchong)					JICA budget	
2.1.1.6	Preparation of training material		FMD center (Pakchong)					Equipment	
2.1.1.7	Conduct the training course		Project office FMD center (Pakchong)						
2.1.1.8	Submission of report and evaluation of the course	Report	Project office FMD center (Pakchong)						
Poultry disease (Duck viral hepatitis)									
2.1.5	Training of Vietnam counterpart		NIAH (Thailand)						1-2 month
2.1.5.1	Making a training plan *Decide the contents of training course and duration of the training period		Project office						
2.1.5.2	Inform acceptance of the training to DAH(Vietnam)		Project office						
2.1.5.3	Application for the training		DAH(Vietnam)						
2.1.5.4	Notification of acceptance		Project office						

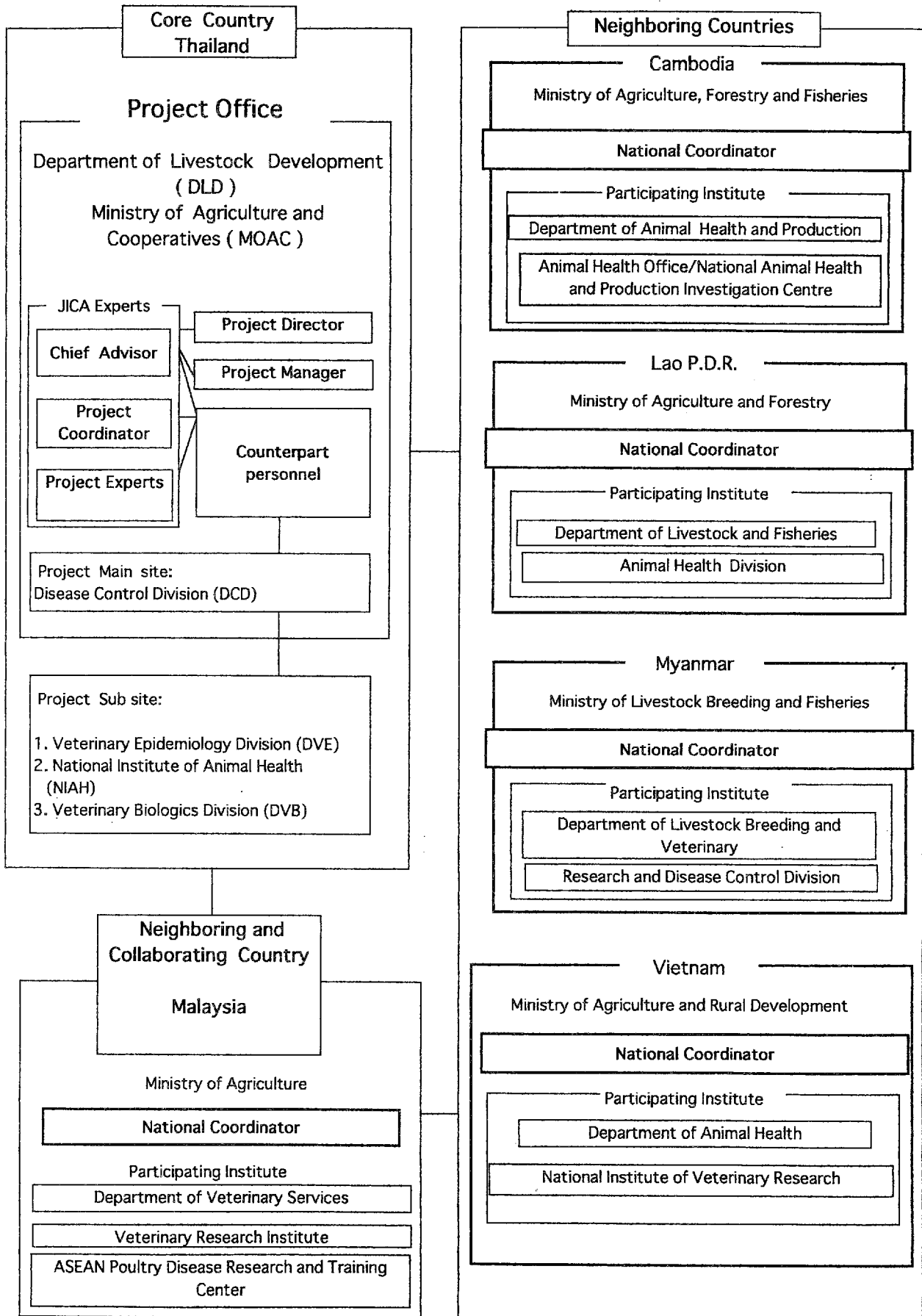
APO of Thailand

No.	Project Activities	Target/Indicator	Responsible by	JFY 2002				Input	Remark
				I	II	III	IV		
1	Strengthening of capacity on Regional Control, Surveillance and Monitoring of other countries for the zoonotic animal disease control								
1.1	Development of available manpower and institutional resources for regional cooperation		Thai counterpart						
1.1.1	Studying on important and practical topic and subjects	List of topics and subjects offered for technology transfer in the region	Thai counterpart						
1.1.2	Development of the database of training institutions in the region	List of institute and subjects available in the region for training	Thai counterpart						
1.1.3	Development of the database of available human resources in the region	List of human resources as well as affiliation and country	Thai counterpart						
1.2	Plan and implement country plans under the Project including staff training and equipment supply								
1.2.1	Making of PO and APO								
1.3	Development of the training program and producing of the training materials		Division of Training and other - related organisations						
1.3.1	Development of the training modules	No. of training modules produced	Division of Training and other - related organisations						
1.3.2	Development and producing of training material in Thai and English language	1.No. of training materials produced in Thai 2.No. of training materials produced in English	Division of Training and other - related organisations						
2	Improvement of disease surveillance								
2.1	Improvement of diagnostic techniques								
Training for Thai counterpart									
2.1.1	<i>Classical Swine Fever</i>	Improvement in capacity for diagnosis of CSF	NIAH						
2.1.1.1	Training of Thai counterpart	No. of trainees	Project Office						
Training for staff of neighboring country									
2.1.2	<i>Foot and mouth disease</i>	No. of training courses	FMD Diagnostic Center					Cambodia Lao PDR Myanmar Vietnam	2 months
2.1.2.1	Making a training plan : -Design the contents of training course -Duration of the training period		FMD Diagnostic Center						

2.1.2.2	Inform acceptance of the training to Department of Livestock Development (DLD)		Project office							
2.1.2.3	Application the training for staff of neighboring country		Cambodia Lao PDR Myanmar Vietnam							
2.1.2.4	Notification of acceptance		Project office/DLD							
2.1.2.5	Preparation for acceptance of the participants and Preparation of training material		Project Office /DLD							
2.1.2.6	Acceptance of participant		Project Office /DLD							
2.1.3	<i>Hemorrhagic Septicemia</i>	No. of training courses	NIAH						Cambodia Lao PDR	1-2 months
2.1.3.1	Making a training plan : -Design the contents of training course Duration of the training period		NIAH							
2.1.3.2	Inform acceptance of the training to Department of Livestock Development (DLD)		Project office							
2.1.3.3	Application the training for staff of neighboring country		Cambodia Lao PDR							
2.1.3.4	Notification of acceptance		Project office/DLD							
2.1.3.5	Preparation for acceptance of the participants and Preparation of training material		Project office/DLD							
2.1.3.6	Acceptance of participant		Project office/DLD							
Dispatch of Japanese expert										
2.1.4	<i>Foot and mouth disease</i>	No. of expert dispatched : 1 person	Project Office						Japanese expert	2 months
2.1.4.1	Application for dispatch of expert		DLD							
2.1.4.2	Notification of dispatch of expert		Project Office							
2.1.4.3	Notifying official trip		Project Office							
2.1.4.4	Request of providing convenience		Project Office							
2.1.4.5	Dispatch of expert		Project Office							
2.1.5	<i>Classical swine fever</i>	No. of expert dispatched : 1 person	Project Office						Japanese expert	2 months
2.1.5.1	Application for dispatch of expert		DLD							
2.1.5.2	Notification of dispatch of expert		Project office							
2.1.5.3	Notifying official trip		Project Office							
2.1.5.4	Request of providing convenience		Project Office							

2.1.5.5	Dispatch of expert		Project Office						
Providing consultation for diagnostic technology for the region									
2.1.6	<i>Providing consultation for diagnostic technology for the region</i>	1.No. of consultations provided to the region 2.Frequency and amount of diagnostic reagent provided to the region	National institute of animal health(DLD) and FMD diagnostic center						
2.2	Collating of technical information on diseases		DVE						
2.2.1	Development of database for research on FMD	List of research on FMD related to the region	DVE						
2.2.2	Development of database for research on Swine fever	List of research on CSF related to the region	DVE						
2.2.3	Development of database for research on other diseases	List of research on other diseases related to the region	DVE						
2.3	Improvement of data collection, analysis and distribution of epidemiological information		DVE						
2.3.1	Harmonizing forms for collecting and reporting of disease, analysis technology, and information distribution system using AHPISA concepts	Harmonized forms and Instructions for filling based on AHPISA format	DVE						
2.3.2	Establishment of basic disease information system		DVE						
2.3.2.1	Establishment of basic disease information system on internet	1. DVE website 2. AHPISA website	DVE						
2.3.2.2	Development of contents of information to be distributed	List of contents of information to be distributed	DVE						
3	Improvement of vaccine production and quality								
3.1	Improvement of vaccine production technology		Division of veterinary biologics (DLD)						
3.1.1	Improvement of technology for selection and maintenance of vaccine seeds	Vaccine seed catalogue and database	Division of veterinary biologics (DLD)						
Training for Thai counterpart									
3.1.2	Classical swine fever vaccine production	Successful introduction of techniques of GPE-vaccine for swine fever	Division of veterinary biologics (DLD)						
3.1.2.1	Training of Thai counterpart in Japan	No. of trainees : 1 person	Project Office						2 months

4.1.2	Promotion of technical concepts and practical procedures of quarantine	Report of the improvement of animal quarantine procedure	Department of Livestock Development (DLD)							
4.2	Strengthening of disease detection system at selected important border points	1.No. Of screening lab established 2.No. of outbreak detected during quarantine and animal movement control 3.No. of animals and animal products confiscated through movement control procedure	Division of Disease Control							
4.2.1	Training of Thai staff in Japan	No. of training courses	Project Office							1 month
4.2.1.1	Making a training plan : -Design the contents of training course - Duration of the training period		Project Office AQ(Japan)							
4.2.1.2	Inform acceptance of the training to Department of Livestock Development (DLD)		Project Office							
4.2.1.3	Application the training for Thai counterpart		Department of Livestock Development							
4.2.1.4	Notification of acceptance		Project Office							
4.2.1.5	Preparation for acceptance of the participants and Preparation of training material		Project Office AQ(Japan)							
4.2.1.6	Acceptance of participant		Project Office C/O Japan							



Monitoring Report Format

No.	Project Output and Activities		Target/Indicator	2002				Reasons if planned targets wouldn't been satisfied	remark
				I	II	III	IV		
Output 1		plan							
		actual							
1.1									
1.1.1		Plan							
		actual							
1.1.2		Plan							
		actual							
1.1.3		Plan							
		actual							
1.2									
1.2.1		Plan							
		actual							

WISH LISTS OF EQUIPMENT

CAMBODIA

LAO PDR

MALAYSIA

MYANMAR

VIETNAM

THAILAND

Cambodia

Priority	Item	Quantity
1	FAX machine	1
2	Laptop PC	1
3	Vehicle:Mobile Lab-Converted TOYOTA Van	1
4	Generator:2KVA	1
5	Autoanalyser(biochemistry)	1
	Profiles:Liver function/Renal function	
	Kit for above	
6	ELISA reader	1
7	ELISA washer	1
8	Autoanalyser(Haematology)	1
	Profile:Haemoglobin/WBC/RBC/Differential/Platelets	
	Kit for above	
9	Microscope(Olympus CH2)	4
10	Refrigerator,200L,one door,4C	1
11	Rotavirus antigen detection kit	500
12	Coronavirus antigen detection kit	500
13	Parvovirus antigen detection kit	500
14	Swine fever antibody	500
15	Japanease Encephalitis antibody detection kit	500
16	I.Coryza antibody detection kit	1000
17	I.Bronchitis antibody detection kit	1000
18	Mycoplasma antibody dtection kit	1000
19	I.Bursal disease antibody detection kit	1000
20	Fowl Pox antibody detection kit	1000
21	Calcium (Biochemical kit)	400set
22	Phosphorus(Biochemical kit)	400set
23	Brucella antigen(for M.R.T.)	20ml x2
24	Brucella Coloured antigen(for RBT)	20ml x5
25	Brucella Plain antigen(for S.A.T.)	250ml x4
26	Brucella positive serum	1ml x 10
27	Mammalian Tuberculin	1ml x 10
28	Avian Tuberculin	1ml x 10
29	Salmonella coloured antigen	20ml x5
30	Salmonella positive serum	1ml x 10
31	Newcastle antigen	2ml x 10
32	Newcastle positive serum	2ml x 10
33	Anti-rabies FA	vial x 10
34	Enterobacteriaceas	100test
35	Anaerobes	100test
36	Pepton water base	500g x2
37	Triple sugar Iron Agar	500g x2
38	For Gram + ve aerobic	2
39	For Gram - ve aerobic	2
40	Sabaroud Agar	500g x2
41	Antibiotic sensitivity media No.1	500g x2
42	Bismuth Sulphate media	500g x2
43	Brillant Green Bile Broth	500g x2
44	Lab Lemco	500g x2
45	McConkey Agar	500g x3
46	McConkey Broth Purple	500g x2
47	Muller-Kauffman Tetrathionate Broth Base	500g x2
48	Plate Count Agar standard	500g x2
49	Blood Agar Base	500g x3
50	Oxidation/Fermentation	1
51	Oxidase	1
52	Coagulase	1
53	Citrate Utilization	1
54	Nitrate reduction	1

Priority	Item	Quantity
55	Iodole	1
56	Hydrogen Sulphide	1
57	Gelatin Hydrolysis	1
58	Gas Pack Anaerobic	50
59	Pas Pack CO2	20

Lao PDR

Priority	Item	Quantity
1	Oil emulsified tank (SUS) 30L	1
2	Balance;max.100kg.2digits	1
3	Mixing tank:150L	1
4	Mixing tank:200L	1
5	Cross-flow filter (1-100L)	1
6	Magnetic stirrer	1
7	Storage bottle:autoclavable;20-25L	8
8	Spectrophotometer	1
9	Laminar flow (Class II)	1
10	Colony counter(electronic)	1
11	Fermenter(50L)	1
12	Centrifuge(Bench top 3000rpm)	1
13	Filling and capping machine:1via/h(50-100ml)	1
14	Voltex shaker (for tube)	1
15	Foot switch gas burner	1
16	Pipette (5, 10, 25 ml)	360pcs
17	Mouse cage with watering bottle	12set
18	Post mortem apparatus(for small animal)	16set
19	Inoculating loop	4
20	Nickel Cromium loop wire	3m
21	Grass petridish	48
22	Aspirator bottle:2L	6
23	Magnetic bar (3-5 cm)	6
24	Silicone tube (OD22, 20, 10, 5mm)	120m
25	Air filter:0.2micron,membrane,500cm2	12
26	Air filter:PTFE0.2micron,membrane,Diameter50mm	48
27	Bulk stock bottle : autoclavable	8
28	Pressure/Vacuum pump	1
29	Casein-sucrose-yeast broth(CSY)	500g x5
30	Casein-sucrose-yeast agar	500g x5
31	Rapid slide agglutination for pasteurilla sp	10set
32	Lyophilisate MSR/V selective supplement	500g x4
33	Listeria selective supplement	5
34	Antiserum to Newcastle disease	50
35	ELISA kit for paratuberculosis(cattle)	5set
36	ELISA kit for Newcastle disease	5set
37	Conductivity meter	2set
38	TPB	10kg
39	Formalin(40%)	2.5L
40	Oil adjuvant(Montanide ISA70)	150kg
41	NaOH	1kg
42	KH ₂ PO ₄	1kg
43	NaH ₂ PO ₄	1kg
44	NaCL	5kg
45	DSA	1Kg
46	Crystal violet	100g
47	Safranibe	100g
48	Iodine	100g

49	Acetone	2.5L
50	Ethanol	5L
51	Maniva Capsule Srain	1set
52	Xylene	200ml
53	Immersion oil	100ml
54	Thioglycolate Broth	500g
55	Sabourad agar	500g
56	Nutrient Broth	2kg
57	McConkey agar	500g
58	Computer	4set
59	Deep freezer(-80C)	1
60	Water deionised system(1500L/hrs)	1
61	Distilled water plant(40L/hrs)	1
62	Capping machine for 13mm(Manual bench top)	1
63	Suspension transfer pump	1
64	Moisture titrator(Karl fisher 50ppm-100% H2O)	1
65	Alminium Hydroxide gel	200kg
66	Sulphric acide formalin(98%)	5L
67	Dettol	30L
68	Skim milk	10kg
69	Lactose	10kg
70	PVP	10kg
71	Bacto agar	1kg
72	Yeast extract	10kg
73	Peptone from caseine	15kg
74	PPLO medium	2kg
75	Suspension stock bottle(1L,2L,4L)	58
76	Tuberculin syringe(1ml)	120
77	Glass syringe(10ml)	48
78	Clinical thermometer(35-42C)	36
79	Digital thermometer(-40--300C)	2
80	Syringe pipettors(Housing;SUS,1-10ml)	3
81	96 well microplate	12
82	Micropipetter(0.2-1ml, 1-5ml)	2
83	Multichannel pipetter(8channal)	1
84	Tip(0.1-1ml;100pcs, 0.5-5ml; 100pcs)	200
85	Tip(2-200microliter)	5000pcs

Malaysia

Priority	Item	Quantity
1	Bench-top general purpose centrifuge	1
2	Multichanal Pipettors	1
3	Elisa Reader	1
4	Thermal Cyclers	1
5	Electrophoresis set	1
6	Transilluminator	1
7	Power free PVC gloves	500
8	Puer water apparatus	1
9	Elisa kit (Antigen and Antibody detection for Fmd diagnosis)	1
10	Reagent (for PCR and ELISA)	1

Myanmar

Priority	Item	Quantity
1	Cold-strage,4C	1
2	Deep freezer (-80C)	2
3	Deep freezer (-30C)	2
4	Refrigerated centrifuge	2
5	Autoclave	2
6	Incuvator	2
7	Hot air oven	3
8	Electric balance	2
9	Magnetic stirrer	2
10	Magnetic stirrer with hot plate	2
11	Inverted microscope	2
12	pH meter	1
13	Filtration apparatus	2
14	Transfer pump	1
15	Phosphate free detergent(2.5L)	50
16	ELISA kit;antigen detection(1000sample)	1
17	ELISA kit;antibody detection(1000sample)	1
18	ELISA kit;antibody detection(Non-structural protein)	1
19	Medium (Eagle's MEM without bicarbonate)	1100L
20	Medium (Earles BSS without bicarbonate) 87g/bottle	10
21	Medium (Kanks BSS)	3000L
22	Calf serum	100L
23	Medium (Eagle's MEM without bicarbonate)	100L
24	Tryptose phosphate broth	25 kg
25	Neomycin sulphate	1.25 kg
26	Sodium hydrogen Carbonate	10 kg
27	Grass Distiller	1
28	Dispase	200g
29	Trypsin (1:250)	50g
30	Membrane filter 0,2, 0.45 micron/DM90mm	500

Vietnam

Priority	Item	Quantity
1	Shaking culture apparatus	1
2	Capping machine	1
3	Pure water apparatus	1
4	Dry air oven	1
5	Autoclave sterilizer	1
6	Small centrifuge	1
7	Refrigerator	1
8	Freezer (-20, -80C)	1
9	Electronic balance (top loading)	1
10	pH meter (digital)	1
11	Microscope (inverted)	1
12	Incubator	1
13	Vacuum pump	1
14	Air Pressure pump	1
15	Pipet washer	1
16	Stirrer (or Mixer)	2
17	Filtration apparatus	1
18	Ice box (cool container)	5
19	ELISA kit (Antigen and Antibody detection) <i>FMD</i>	1,1
20	Tissue culture flask: Grass and Plastic (50ml/250ml)	200
21	Plastic well plate (6 well for cell culture)	50
22	Microplate (96 well for tissue culture)	200
23	Medium (Eagle's MEM)	200L
24	Chemicals (for medium and buffer preparation)	
25	Pipet: Grass pipet (1ml/ 2ml/ 5ml/ 10ml/ 25ml)	250P
26	Pipetter (single channel) and tip	5
27	Pipetter (multi channel) and tip	3
28	Medium preparation bottle (5000ml)	2
29	Medium bottle (100ml/ 500ml)	50
30	Graduated cylinder (100ml/ 200ml/ 500ml/ 1000ml)	50
31	Beaker (50ml/ 100ml/ 200ml/ 500ml/ 1000ml)	50
32	Flask (50ml/ 100ml/ 2ml/ 500ml/ 1000ml)	50
33	Test tubes (grass, plastic)	500
34	Tube rack	10
35	Sample bottle (for sample collection and shipping)	100
36	Cryotube or cryovial (for virus and cell storage at -80C)	500
37	Cell counting chamber	3
38	Polyethylene bottle (5L/20L)	4
39	Slide grass (for FA) / Cover grass (for FA)	1000
40	Burner (Gas)	2
41	Tweezer (for sample collection)	10
42	Scissor (for sample collection)	10
43	Rubber spoid/ Rubber stopper (or plug)	20
44	Stainless steel spatulas	10
45	Stainless steel spoon/ Stainless tube	10
46	Pinch cock/ Tubing band/ Fitting (or tube joint)	20
47	Silicon braid hose	20m
48	Disposable syringe and needle : 5ml/10ml	200
49	Sterilizing Box (for pipet and test tube)/ Ceramic mortar	10
50	Microscope (for Fluorescence)	1
51	Cold tome	1
52	Thermal cyclers	1
53	Electrophoresis	1
54	Transilluminator	1
55	Powder free PVC gloves	200

Thailand

Priority	Item	Quantity
1	Chairs for Training room	80
2	Equipment for Animal Quarantine Laboratory (DCD)	
	2.1 Centrifuge (Kokusan ^R)	1
	2.2 Incubator	1
	2.3 Water bath	1
	* Capacity 7 litres	1
	* Capacity 10 litres	1
	2.4 Micropipette	5
	2.5 Pipette (Capacity 1, 5 & 10 ml.)	500
	2.6 Test tube (size 13 by 1000 mm.)	1,000
	2.7 Autoclave (Tomy ^R)	1
	2.8 Reagents	1
	2.9 pH meter (Orion ^R)	1
	2.10 Balance meter (Sartorius ^R)	1
	2.11 Refrigerator (Sanyo ^R)	1
	2.12 Freezer (Sanyo ^R)	1
	(NB: one whole set for the Laboratory Unit of Petchaburi (AQS))	
3	Equipment for Vaccine Production and Quality Control (DVB)	
	3.1 Ion Selective Meter with analyse and interpret data equipment	1
4	Equipment for Virology Section (NIAH)	
	Cryostat section (Leica CM-1850)	
5	Total Organic Content (TOC)	1