

**Chapter 3  
Implementation  
Plan**



## **Chapter 3 Implementation Plan**

### **3-1 Implementation plan**

#### **3-1-1 Implementation concept**

Based on the principle of the grant aid project scheme, the implementation plan was made in order to effectively and efficiently deliver, implement, and hand over the equipment. Comprehensive and proper explanation is to be made to all the responsible facility managers and his/her associates about equipment delivery and installation schedule in advance. It is also necessary to have full cooperation with Vietnam side. The implementation policy is confirmed below:

- ① Contractor is responsible to dispatch his authorized facility manager, workable maintenance engineer of manufacturer and its designated agent for smooth implementation of the project. The dispatched engineers composed of a team of facility manager, installation supervisor and engineer of each manufacture. Their roles are to install the equipment, operate the equipment for first trial, and to train local staff to operate.
- ② MOH is responsible to cooperate with consultant/contractors and to be involved in the implementation of the Project during the project period. Staff in each facility is responsible for the technical aspects.

#### **3-1-2 Implementation conditions**

Following conditions should be strictly observed by the contractor.

- ① All equipment is to be installed in existing facility and delivery and installation should be done with enough care. The contractor is supposed to know the conditions and utilities of the existing facilities.
- ② Scope of work done by Vietnam and Japan shall be well confirmed in advance to secure smooth implementation.
- ③ During the installation, support of dispatched engineers shall be effectively utilized, so that better maintenance system for the equipment can be established in each facility.

### 3-1-3 Scope of work

Demarcation of the work role are explained below:

Table 3-1 Scope of work

	Japan	Viet Nam
<input type="checkbox"/> Equipment		
Procurement	○	
Installation	○	
Commissioning	○	
Instruction	○	
<input type="checkbox"/> Facility construction		
Facility modification		○
Utility installation		○
Necessary electrical work	○	
Air conditioning and ventilation		○
<input type="checkbox"/> Equipment storage		○
<input type="checkbox"/> Customs clearance etc		
Inland transportation	○	
Customs clearance	○	
Arrangement for tax exemption		○
<input type="checkbox"/> Banking arrangement		○
<input type="checkbox"/> Entry visa and its related necessary arrangement		○
<input type="checkbox"/> Effective maintenance of equipment		○
<input type="checkbox"/> Necessary national permission and so forth		○
<input type="checkbox"/> All the required cost bearing not including the grant-in-aid project scheme.		○

### 3-1-4 Implementation supervision

Detailed discussion shall be held among Vietnam side, the contractors, and consultants to establish practical schedule for implementation. Regarding Equipment layout and implementation plan, it is important to regularly make sure that the utility construction is in progress as well as preparation works to be done by Vietnam side. Implementation needs to be effectively and smoothly done. The consultant is responsible to supervise and monitor the implementation work.

### 3-1-5 Procurement plan

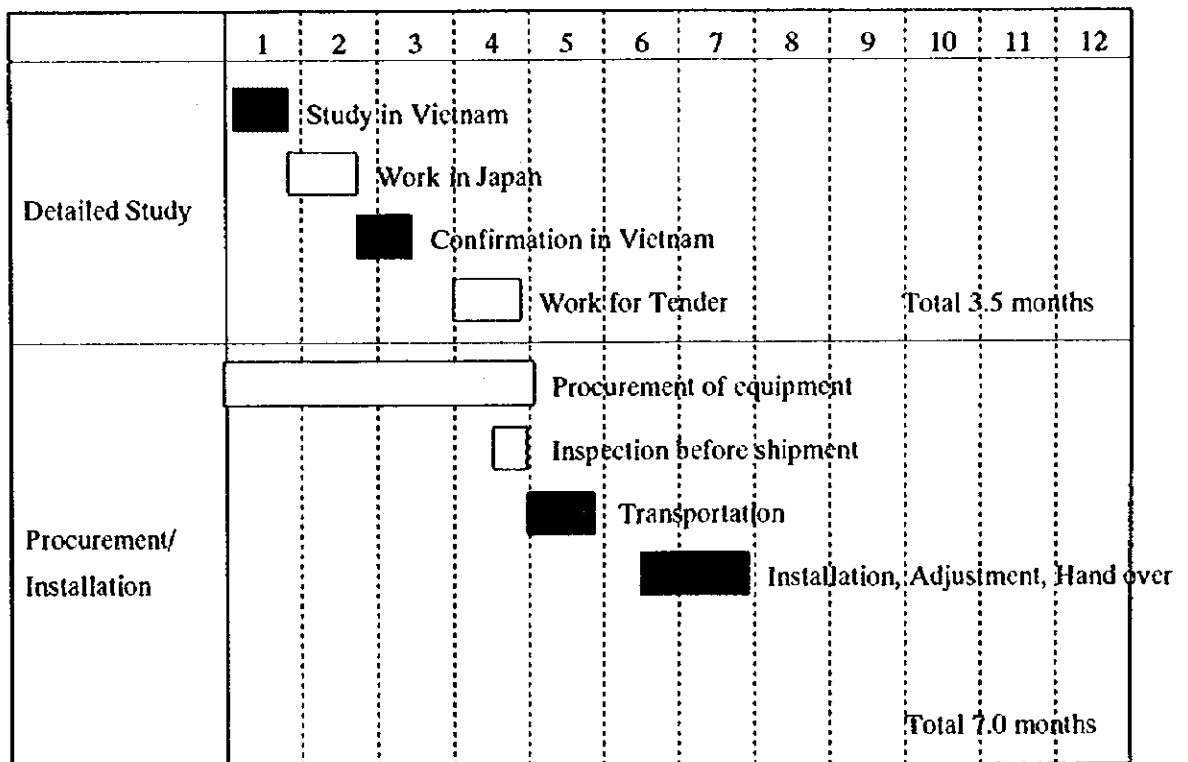
Effective utilization of all delivered equipment should be secured. For this purpose, maintenance (after-care) system manufactures have in Vietnam, and availability of consumable and spare parts should be carefully looked into. Comparison shall be made to clarify whether Japanese manufacturers are superior to local manufacturers in terms of maintenance and after-care

Some Japanese and European manufacturers have set up workable maintenance system in Vietnam. Therefore, it could be concluded that there is no problem with the maintenance service of the delivered equipment originating in Vietnam, Japan, and other third countries.

### 3-1-6 Implementation schedule

It is shown in Table 3-2.

Table 3-2 Implementation Schedule



## **3-2 Operation and Maintenance Plan**

### **(1) Maintenance system**

As mentioned in previous sections, the equipment is grouped into three categories, blood testing, component separation and IEC equipment. Blood testing equipment is operated by clinical technicians. Since the equipment is used everyday, maintenance is done at the beginning and at the end of day. During extensive field survey, it is frequently observed that the existing equipment are well maintained. Therefore, it is supposed that there is no problems in terms of maintenance.

Because the local staff presently faces the lack of equipment, they repair and fix the existing equipment without any work shop rooms. Although staff does simple repairs by themselves, they call technical engineers from local dealers or bring the equipment to the local dealers when the equipment has serious problems. HCMC has the least problem for its maintenance service. There is an organization to repair medical equipment, which is directed by MOH.

As to ELISA system, filter deterioration was pointed out. High humidity causes the deterioration. Especially, when the room is not air conditioned, the deterioration gets worse. Dismantling the filter after use is a possible solution against filter deterioration. Regarding other testing equipment, no particular maintenance is necessary.

Periodic overhaul and maintenance work should be done to the printing machine and photocopying machine. It was confirmed that there are many local dealers who deal with printing machines and photocopying machines and they have established systems for repairs and maintenance. Therefore, it is quite possible to procure the said equipment form the local dealers. Other equipment for IEC does not require particular maintenance.

### **(2) Maintenance cost**

Consumables and vehicle maintenance are the major cost and they are shown as follows.

① Spare parts/Consumable

Table 3-3 Estimated maintenance cost

Name	Consumable	Unit Price (Y/time)	Annual Consumption	Amount (1,000Y)	Amount (1,000VND)
ELISA system	Sample reagent	150	660,000	99,000	10,890,000
PCR system	Sample reagent	4,000	500	2,000	220,000
Others				12,000	1,320,000
Total				113,000	12,430,000

All numbers and prices are approximately estimated. (Y = 110 VND)

Reagents are to be purchased by NAC. Although the reagent for ELISA is expensive, it will be affordable for NAC because it is a substitute for the presently used reagent which is more expensive. Therefore, the budget to be newly ensured is only for PCR system and Others, which is approximately 1,540,000,000 VND.

② Fuel for Vehicles

Gasoline cost is 4,200 VND/liter in Vietnam. Given 8 Km per liter and 10,000 Km/vehicle per year, total gasoline cost sums up to 5,250,000 VND, which is about Y46,880. Then, the cost for fuel will be annually 110,000,000 VND.

Finally, the budget for maintenance brought about by the Project will be 1,650,000,000 VND. This amount is 34% of the equipment maintenance cost in 1998, but 0.8 % of all operation and maintenance cost. The Ministry of Health confirmed to cover the expenses.

Spare parts /consumables :	1,540,000,000
Gasoline cost :	110,000,000
<hr/>	
Total :	1,650,000,000 VND

**Chapter 4**  
**Project**  
**Evaluation and**  
**Recommendation**



## Chapter 4 Project Evaluation and Recommendation

### 4-1 Justification and Effect of the Project

The objective of the Project is to develop and strengthen measures for HIV/AIDS prevention in Vietnam. That is, the Project follows 4 Action plans out of 9 plans for HIV/AIDS prevention, which were drawn up in the donor workshop held in Phu Yen in 1998.

#### (1) Enlightening general people about AIDS problems and promoting behavioural change.

It is quite possible that HIV infection can be totally shut out with proper care. In other words, it is commonly believed that it is the most effective that an individual has necessary knowledge and methods for care about HIV/AIDS and carry them out.

In Vietnam, IEC activities for general public has been considered one of the most effective methods to prevent people from HIV/AIDS. Thus, the IEC activities have been strongly implemented.

However, there were some difficulties about IEC activities. IEC activities with broadcast did not reach local people who live in mountains or areas far from cities. In addition, IEC activities with printing media like newspapers and magazines did not work for illiterate people in local areas.

To directly communicate with and provide education program to local people is expectedly more important and effective. The equipment, mobile information unit, and TV/VTR, to be provided in the Project will make direct IEC activities possible. With the equipment, contact becomes so easy that more information is delivered and local people could improve their cognition for HIV/AIDS. Accordingly, the infectious rate of HIV will be decreased.

#### (2) Promoting condom use and strengthening its distribution

Effectiveness of condom to stop HIV/AIDS prevalence is well recognized based on experience of other countries. In Thailand, infectious rate of HIV was decreased by making the use of condoms more popular.

In Vietnam, condoms are provided to stop HIV/AIDS. However, better results has not yet been derived because of insufficient condoms due to lack of funding. Another reason is that its use is against social custom.

It is very difficult for the Government of Vietnam to keep providing the condoms, which are consumable. To assure effectiveness of the use of condoms for HIV/AIDS prevention, the general public must recognize its necessity and the need to procure them at their own expense. Thus, the distribution of condoms needs to done with IEC activities mentioned above. Actually, in the Project, condom is recognized as a teaching material to conduct IEC activities.

Equipment for IEC activities and condom are expected to help local people have safe sex, and prevent HIV/AIDS.

### (3) Supplying better quality of transfusion blood

It is well known that transfusion blood infected HIV has a high risk in the treatment of hemophilia. Although Infected Blood can be removed by established screening test, said screening test is not conducted for all blood supply due to lack of equipment and chemicals in Vietnam.

The equipment for blood tests is to be provided to Blood transfusion centers and occasionally General hospitals in the Project. If the screening test is properly conducted at these facilities, the risk of infection by blood and preparation will be reduced.

In addition, a centrifuge for blood separation is to be provided under the Project. This equipment will make blood supply system safer.

### (4) Strengthening and monitoring the quality of HIV/AIDS surveillance

Monitoring of the infectious disease is the first step in fully understanding the up-dated present situation of the infection. Thus, conduct of regular sentinel surveillance is very important, since symptoms of HIV do not appear even after a patient is infected.

In 1998 sentinel surveillance was conducted in 20 provinces/cities in Vietnam. For 1999, 10 provinces will be additionally targeted for

sentinel surveillance. In total the surveillance, is presently conducted in 30 provinces/cities which is the half of all provinces/cities of Vietnam. However, Preventive Medicine Center, which is mainly in charge of the equipment for the surveillance, operates worn out equipment or does not have enough equipment for the surveillance in many provinces, therefore it is not able to properly carry out the surveillance.

Therefore, providing the centers with equipment is very effective and significant in order for the centers to be able to conduct more accurate surveillance, to monitor HIV status in the country. With more accurate statistics, condition is well understood to easily come up with better plans and measures for HIV/AIDS.

As mentioned above, 10 provinces were added for the target of sentinel surveillance in 1999. After that, surveillance will be conducted in the remaining provinces/cities under the Project.

HIV/AIDS prevention system will be established in the provinces under the Project to reduce HIV infection rate. Most people in Vietnam will directly benefit from the Project.

Under the instruction of the Ministry of Health, activities for HIV/AIDS prevention have been routinely conducted at facilities in the Project. Since the scarcity and bad conditions of the equipment have negatively influenced the activities, the aim of the Project is to provide needed equipment, to maximize use of the facilities. It must be clarified that this Project is not a case wherein new equipment are bought for new facilities.

#### **4-2 Technical Cooperation and Cooperation with other donors**

There is no technical cooperation which was planned with the Project, and there is no other donor's assistance related to the Project.

#### **4-3 Issues to be solved**

The Project is one of the inputs which the Ministry of Health in Vietnam to make efforts in preventing HIV/AIDS from spreading. Therefore, it is an essential condition that the Ministry and other targeted facilities, properly and seriously implement their activities.

The equipment to be provided in the Project will be installed in the existing facilities, therefore there are already skilled staff and working organization in the facilities. Nonetheless, in order to further enhance opportunity for meeting Project objectives, proper policy making and technical improvement need to be done. Human resource development and activity plans improvement need to be executed constantly to ensure success of the Project.

In addition, regular maintenance is important for the equipment to be properly and steadily operated. Technical staff composing of equipment operators, are expected to have better recognition of maintenance skills and equipment check, before and after operation.

## **APPENDIX**

- APPENDIX 1**    **Member List of the Survey Team**
- APPENDIX 2**    **Survey Schedule**
- APPENDIX 3**    **List of Party concerned in the Recipient Country**
- APPENDIX 4**    **Minutes of Discussion**

## **APPENDIX 1 Member List of the Survey Team**

## Member List of the Survey Team

(1) Basic Design Study : March 17, ~ April 27, 1999

1.Toshiyuki IWAMA	Leader	Deputy Director, First Project Study Division, Grant Aid Project Study Department, JICA
2.Tamotsu NAKASA	Technical Adviser	Bureau of International Cooperation, International Medical Center of Japan
3.Yasumichi DOI	Project Manager	INTEM CONSULTING, INC.
4.Motoko HAYASHI	IEC Activity & Distribution Planner	INTEM CONSULTING, INC.
5.Masatake ODA	Equipment Planner	INTEM CONSULTING, INC.
6.Masanori DOI	Cost Estimation & Procurement Planner	INTEM CONSULTING, INC.
7.Ryu MIZUKOSHI	Interpreter	INTEM CONSULTING, INC.

(2) Draft Report Explanation : June 17 ~June 30, 1999

1.Toshiyuki IWAMA	Leader	Deputy Director, First Project Study Division, Grant Aid Project Study Department, JICA
2.Kaname KANAI	Technical Adviser	Director, Planning Division, Bureau of International Cooperation, International Medical Center of Japan
3.Yasumichi DOI	Project Manager	INTEM CONSULTING, INC.
4.Masatake ODA	Equipment Planner	INTEM CONSULTING, INC.
5.Ryu MIZUKOSHI	Interpreter	INTEM CONSULTING, INC.



## APPENDIX 2 Survey Schedule



### Basic Design Study Schedule

date	Project Manager	IEC Activities & Distribution Planner	Equipment Planner	Cost Estimation & Procurement Planner
1	17-Mar	W	Tokyo - HCMC	
2	18-Mar	Th	Discussion at Pasteur Research Institute in HCMC	
3	19-Mar	F	Research at HCMC Health Education Center, Preventive Medicine Center, Frieded café	
4	20-Mar	Sa	Research at HCMC Hematology/Transfusion Blood Center	
5	21-Mar	S	Analysis of collected materials	
6	22-Mar	M	Research at Dermatology and Venereal Disease Center(DVDC) and AIDS Division in Health Departemnt in HCMC	
7	23-Mar	T	HCMC - Da Lat	HCMC - Lon Xuyen
8	24-Mar	W	Research at Preventive Medicine Center in Lam Dong province	Courtesy visit to People's Committee, Research at AIDS Division in An Giang province
9	25-Mar	Th	Research at DVDC and General Hospital in Lam Dong province	Research at Preventive Medicine Center in An Gian province
10	26-Mar	F	Research at AIDS Division, Courtesy visit to People's Committee in Lam Dong	Research at General Hospital, Chau Datch Hospital in An Gian province
11	27-Mar	Sa	Da Lat - Vung Tau	Lon Xuyen-Rach Gia
12	28-Mar	S	Analysis of collected materials	
13	29-Mar	M	Research at AIDS Division, Courtesy visit to People's Committee in Ba Ria Vung Tau	Research at AIDS Division, Courtesy visit to People's Committee in Kien Giang province
14	30-Mar	T	Research at Preventive Medicine Center in Lam Dong province	Research at Preventive Medicine Center in Kien Giang province
15	31-Mar	W	Research at General Hospital in Ba Ria Vung Tau province, Vung Tau - Tan An	Research at DVDC and General Hospital in Kien Giang province
16	1-Apr	Th	Research at AIDS Division, Courtesy visit to People's Committee in Long An province	Rach Gia-Can Tho, Research at AIDS Division, Courtesy visit to People's Committee in Can Tho province
17	2-Apr	F	Research at Preventive Medicine Center in Long An province	Research at Preventive Medicine Center and General Hospital in Can Tho province
18	3-Apr	Sa	Research at General Hospital in Long An province, Tan An - HCMC	Research at DVDC in Can Tho province
19	4-Apr	S	Analysis of collected materials	Can Tho- My Tho
20	5-Apr	M	Research at Preventive Medicine Center and AIDS Division in HCMC	Research at AIDS Division, Courtesy visit to People's Committee in Tien Giang province
21	6-Apr	T	Research at AIDS Division in Dong Nai province	Research at Preventive Medicine Center in Tien Giang province
22	7-Apr	W	Research at DVDC and General Hospital in Dong Nai province/ Arrival of tech. advisor in HCMC	Research at DVDC and General Hospital in Tien Giang province
23	8-Apr	Th	Research at Pasteur Research Institute and Tropical Disease Center in HCMC	My Tho-HCMC, Research at AIDS Division, Courtesy visit to People's Committee in Binh Duong province
24	9-Apr	F	Research at Preventive Medicine Center in Dong Nai province	Research at Preventive Medicine Center in Binh Duong province
25	10-Apr	Sa	HCMC - Hanoi	Analysis of collected materials
26	11-Apr	S	Analysis of collected materials	Analysis of collected materials

### Basic Design Study Schedule

date	Project Manager	IEC Activities & Distribution Planner	Equipment Planner	Cost Estimation & Procurement Planner
27 12-Apr M	Research at National Blood Transfusion Research Center and National and National Institute for Hematology and Blood Transfusion in Hanoi/ Arrival of Team Leader in Hanoi		Research at DVDC and General Hospital in Binh Duong province	
28 13-Apr T	Discussion for Minutes, Courtesy visit to NAC / Departure of Government official		HCMC -- Hanoi	
29 14-Apr W	Discussion for Minutes			
30 15-Apr Th	Discussion for specifications of equipment		Research relevant laws	
31 16-Apr F	Signing on the Minutes of Discussion, Report to JICA and Japanese Embassy		Research for procurement	
32 17-Apr Sa	Analysis of collected materials			
33 18-Apr S	Analysis of collected materials			
34 19-Apr M	Discussion for specifications of equipment	Research at DKT and NAC	Research for procurement	
35 20-Apr T	Discussion for specifications of equipment	Research at UNAIDS and WHO	Research for local dealers	
36 21-Apr W	Hanoi -- HCMC			
37 22-Apr Th	Research for local dealers			
38 23-Apr F	Research at Tropical Disease Center in HCMC			Research for local dealers
39 24-Apr Sa	Research for local dealers	HCMC -- Tokyo	Research for local dealers	HCMC -- Tokyo
40 25-Apr S	Analysis of collected materials		Analysis of collected materials	
41 26-Apr M	Research for local dealers		Research for local dealers	
42 27-Apr T	HCMC -- Tokyo		HCMC -- Tokyo	

### Draft Final Explanation Study Schedule

Date		Project Manager	Equipment Planner
1	17-Jun	Th	Tokyo – HCMC
2	18-Jun	F	Visit AIDS Division in HCMC
3	19-Jun	Sa	Research for local dealers/Arrival of Technical Advisor in HCMC
4	20-Jun	Sa	Internal Meeting
5	21-Jun	M	Research at Pasteur Research Institute and Tropical Disease Center
6	22-Jun	T	Research at Cho Ray Hospital and Dermatology and Venereal Disease Center in HCMC
7	23-Jun	W	HCMC – Hanoi, Explanation of Draft Final Report (DF) to AIDS Division, and JICA in JICA
8	24-Jun	Th	Research at WHO and UNDP, Explanation of DF to AIDS Division in the Ministry of Health
9	25-Jun	F	Explanation of DF to AIDS Division at public health centers
10	26-Jun	Sa	Research at National Blood Transfusion Research Center and National and National Institute for Hematology and Blood Transfusion in Hanoi, / Arrival of Team Leader in Hanoi
11	27-Jun	Sa	Analysis of collected materials
12	28-Jun	M	Discussion for Minutes
13	29-Jun	T	Signing on the Minutes of Discussion
14	30-Jun	W	Hanoi - Tokyo

**APPENDIX 3 List of Party concerned  
in the Recipient Country**

## List of Party concerned in the Recipient Country

### An Giang

People's Committee	
Mr. Lam Thanh Tung	Vice Chairman
Mr. Doan Hong Nhut	Assist. Vice Chairman
Provincial Health Service	
Dr. Phan Thanh Phu (*1)	Director
Dr. Nguyen Dinh Quang	IEC Office
Mr. Pham Dang Tam	IEC Office
Provincial AIDS Division	
Dr. Phan Thanh Phu (*1)	Head
Dr. Mai Hoang Anh (*2)	Secretary
Provincial Preventive Medicine Center	
Dr. Mai Hoang Anh (*2)	Vice Director
Dr. Tran My Hanh	Assistant
Mr. Nguyen Ba Tuoc	Head of AIDS laboratory
Mr. Huynh Thi Ngoc Thanh	Assistant
Provincial Central Hospital	
Dr. Nguyen Van Sach	Director
Dr. Khuong Trong Suu	Vice Director
Other 9 doctors representing each medical department	
Chau Doc General Hospital	
Dr. Nguyen Huu Hau	Vice Director
Dr. Hoa Nghia Hiep	Vice Director
Dr. Tran Kien	Vice Director
Dr. Nguyen Thu Loe	Chief, Laboratory
Other 3 doctors	

### Kien Giang

People's committee	
Mr. Truong Quoc Tuan	Chairman
Ms. Vo Tan Huy	Department of Foreign Affairs
Mr. Ng. Duy Linh Thao	Department of Foreign Affairs
Provincial Health Service	
Dr. Bui Van Truyen (*1)	Director
Provincial AIDS Division	
Dr. Bui Van Truyen (*1)	Head
Dr. Le Van Xanh (*2)	Vice Chairman
Dr. Ly Phung Duc (*3)	Secretary
Provincial Preventive Medicine Center	
Dr. Le Van Xanh (*2)	Director
Dr. Ly Phung Duc (*3)	Vice Director
Dr. Pham Van Tuong	Vice Director
Dr. Nguyen Ngoc Liem	Head, Laboratory Department
Other 7 staff	

<b>Provincial Central Hospital</b>	
Dr. Huynh Hong Tieu	Vice Director
Dr. La Chi Tuong	Head, General Planning Department
Dr. Tran Anh Thu	Head, Laboratory Department
Other 2 staff	
<b>Provincial Center for Venereal and Dermatological Diseases</b>	
Dr. Lam Quang Dung	Vice Director
Dr. Tran Dhen Nhan	Head, Laboratory Department
Ms. Pham Thi Phong	Head, Counselling Office

### **Can Tho**

<b>People's committee</b>	
Mr. Tran Thanh Man	Office of the Chief
<b>Provincial Health Service</b>	
Dr. Le Thanh Lap (*1)	Director
Dr. Ho Van Sanh (*2)	Medical professional office
<b>Provincial AIDS Division</b>	
Dr. Le Thanh Lap (*1)	Chairman
Dr. Tran Sophia (*3)	Vice Chairman
Dr. Ho Van Sanh (*2)	Secretary
Dr. Dan Quang Tam (*4)	Member
Dr. Le Le Hoa (*5)	Member
Dr. Lai Kim Anh	Full-time Member (IEC)
<b>Provincial Preventive Medicine Center</b>	
Dr. Tran Sophia (*3)	Director
Dr. Nguyen Trang Nghia	Vice Director
Dr. Vuong Huu Phuoc	Chief of Laboratory
<b>Provincial Central Hospital</b>	
Dr. Dang Quang Tam (*4)	Vice Director
Dr. Nguyen Ngoc Huynh	Head, Laboratory Department
Dr. Tran Van Phuc	Infection Department
<b>Provincial Center for Venereal and Dermatological Diseases</b>	
Dr. Le Le Hoa (*5)	Director
Dr. Tran Ngoc Lanh	Vice Director
Dr. Tran Trong Binh	Chief, Examination Dep.
Dr. Le Ba Rang	Chief, Laboratory Dep.

### **Tien Giang**

<b>People's committee</b>	
Mr. Nguyen Truong Ky	Vice Chairman
Ms. Nguyen Hong Ha	Specialist
<b>Provincial Health Service</b>	
Dr. Truong Hoan Tho (*1)	Director
Dr. Nguyen Tan Tranh	Vice Director
Dr. Nguyen Thanh Tai (*2)	Medical professional office



Provincial AIDS Division

Dr. Truong Hoan Tho (*1)	Chairman
Dr. Le Hoang San (*3)	Vice Chairman
Dr. Hoang Tho Man (*4)	Member
Dr. Nguyen Thanh Tai (*2)	Member
Mr. Tran Thi Tuyet	Member (IEC)
Mr. Nguyen Thanh Long	Member (IEC)
Mr. Tran Thanh Tuan	Member (IEC)

Provincial Preventive Medicine Center

Dr. Le Hoang San (*3)	Director
Dr. Nguyen T. Nhu Mai	Vice Director
Dr. Lam Thi Nhan	Chief of Laboratory
Dr. Nguyen Thi Vui	Head, Epidemiological Dep.

Provincial Central Hospital

Dr. Hoang Tho Man (*4)	Vice Director
Dr. Vo Thi Muoi Hai	Vice Director
Dr. Su Thi Ngoc Suong	Chief of Laboratory
Dr. Tran Hai Son	Laboratory Technician

Provincial Center for Venereal and Dermatological Diseases

Dr. Luu Hoang Minh	Director
Dr. Do Sanh Tich	Chief, Examination Dep.
Dr. Vo Thu Nguyet	Councillng Office
Mr. Lethi Ngoc Gam	Pharmaceutical Department
他2名	

**Binh Duong**

People's committee

Mr. Nguyen Quoc Thai	Vice Chairman
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Provincial Health Service

Dr. Nguyen Thi Ha Sinh	Director
Dr. Truong Trung Nghia (*1)	Vice Director

Provincial AIDS Division

Dr. Truong Trung Nghia (*1)	Chairman
Dr. Nguyen Van Ut (*2)	Vice Chairman
Dr. Huynh Van Nhi (*3)	Member
Dr. Lai The Thanh (*4)	Member
Dr. Huynh Thanh Ha	Full-time Member

Provincial Preventive Medicine Center

Dr. Nguyen Van Ut (*2)	Director
Mr. Vo Van Van	Vice Head, Surveillance and Councillng Office
Mr. Pham Minh Thu	Laboratory Department
Mr. Vu Thi Tuyet Trinh	Epidemiological Department

Provincial Central Hospital

Dr. Huynh Van Nhi (*3)	Director
Dr. Vu Minh Giang	Vice Director
Dr. Nguyen Ba Dinh	Vice Head of Infection Dep.
Dr. Pham Thi Lan	Vice Head of Laboratory
Mr. Huynh Kim Thien	General Planning Dep.

**Center for Social Disease**

Dr. Lai The Thanh (*4)	Director
Dr. Nguyen Van Hoang	Vice Director
Mr. Doan Anh Dung	Staff

**Ho Chi Minh City**

**Pasteur Institute of Ho Chi Minh City**

Dr. Truong Xuan Lien	Vice Director
Dr. Tran Phuc Hau	Staff
Dr. Nguyen Vu Thuong	CP, Staff
Dr. Vo Tuyet Nhung	Staff
Dr. Nguyen Thanh Long	CP, Secretary of AIDS Division, MOH

**City Preventive Medicine Center**

Dr. Tran Hue Trinh	Vice Director
Dr. Le Chau Tuan	Camera-person
Dr. Le Thuy Lan Thao	Expert of AIDS Division
Other 3 persons	

**Friend To Friend Club**

Dr. Nguyen Quang Luyen	Chief of Club
Other 12 Persons	

**Institute of Hematology and Blood Transfusion**

Mr. Pham Goc Tuan	Pharmacist, Vice Director
Mr. Le Van Thanh	Secretary of Center Director
Other 4 persons	

**City Center for Venereal and Dermatological Diseases**

Dr. Mai Chi Phuong	Director
Dr. Vu Hong Thai	Vice Director
Dr. Nguyen Ngoc Ba	Vice Chief of Diagnostic Department
Other 4 persons	

**Provincial AIDS Division**

Dr. Truong Xuan Lieu	Director
Dr. Le Truong Giang	Head of AIDS Division
Dr. Le Thuy Lan Thao	Expert of AIDS Division

**Centre for Tropical Diseases)**

Dr. Vuong Hung Viet	Director
Dr. Nguyen The Dung	Vice Director
Mr. Duong Ngoc Son	Phar., Laboratory
Other 4 persons	

**Lam Dong**

**Povincial Preventive Medicine Center**

Dr. Tran Manh Ha	Director
Mr. Nguyen Ba Dung	Head of Professional Department
Dr. Le Van Phu	Secretary of PAC
Dr. Nguyen Tat Ung	Head of Health Information & Education
Other 5 persons	

**Provincial Center for Venereal and Dermatological Diseases**

Dr. Nguyen Quoc Minh	Head of Professional Department
Mr. Do Van Hien	Head of Organization Department
Dr. Nguyen Tien Sy	Head of Examine Room
Other 5 persons	

**Provincial Central Hospital**

Dr. Pham Thanh Hai	Vice Director
Dr. Nguyen Trong Nhan	Chief of Department of Infection Disease
Other 8 persons	

**Provincial AIDS Division**

Dr. Le Thai	Director & Chief of AIDS Division
Dr. Le Van Phu	Secretary of PAD
Mr. Nguyen Van Thanh	Expert, IEC Unit for HIV/AIDS of PAD
Dr. Nguyen Quang Trung	Secretary of PAD
Other 4 persons	

**Ba Ria Vungtau**

**Provincial AIDS Division**

Dr. Truong Van Kinh	Vice Director & Chief of AIDS Division
Dr. Truong Thanh	Head of IEC Unit for HIV/AIDS of PAD
Dr. Nguyen Xuan Hoan	Director of Preventive Medicine Center
Other 6 persons	

**Provincial Preventive Medicine Center**

Dr. Nguyen Xuan Hoan	Director
Dr. Bui Minh Tri	Head of Diagnostic Department
Dr. Pham Kim Ngan	Head of Dermatology Department
Other 3 persons	

**Provincial Central Hospital**

Dr. Duong Ngoc Luu	Vice Director
Dr. Nguyen Phi Tan	Vice Director
Dr. Tran Van Thinh	Head of Diagnostic Department
Dr. Nguyen Thi Nham	Head of Medical Department
Other 7 persons	

**Long An**

**Provincial AIDS Division**

Dr. Tran Ngoc Huu	Director of Preventive Medicine Center
Mr. Nguyen Ngoc Linh	Expert of IEC, AIDS Division of PAD
Mr. Huynh Van Sau	Expert of IEC, AIDS Division of PAD
Other 6 persons	

**Provincial Preventive Medicine Center**

Dr. Tran Ngoc Huu	Director
Dr. Le Dai Tri	Vice Director
Dr. Nguyen Thanh Tung	Head of Diagnostic Department
Dr. Pham Van Ly	Head of Dermatology Department
Other 3 persons	

**Provincial Central Hospital**

Dr. Pham Cong Dung	Director of Health Service
Dr. Lau Tri Dung	Director
Dr. Bui Kim Bang	Vice Director
Dr. Nguyen Van Sang	Vice Director
Dr. Ly Buu Tuyen	Vice Director
Dr. Luong Thi Bup	Head of Diagnostic Department
Other 4 persons	

**Dong Nai**

**Provincial AIDS Division**

Dr. Luong Van Nga	Vice Director
Dr. Pham Tien Hoi	Chief of AIDS Division
Dr. Tran Trung Thuan	Expert of AIDS Division
Ms. Nguyen Thi Ngoc Phuong	Expert, Dong Nai Foreign Affairs Office
Ms. Nguyen Thi Kim Chi	Expert, Dong Nai Foreign Affairs Office
Other 9 persons	

**Provincial Central Hospital**

Dr. Duong Thi Mui	Director
Dr. Nguyen Thi Ne	Vice Director
Dr. Pham Thuy Chuong	Vice Director
Dr. Huynh Minh Hoan	Vice Director
Dr. Vo Dao Chi	Chief of Laboratory Department
Dr. Phan Xuan Tu	Chief of Planning Department
Other 6 persons	

**Provincial Center for Venereal and Dermatological Diseases**

Dr. Tran Nguyen Tan	Director
Dr. Le Thi Thanh	Vice Director
Dr. Nguyen Song Binh	Vice Director of Dong Nai Dermatology Hospital
Dr. Nguyen Duc Thu	Expert, Statistic Unit
Other 5 persons	

**Provincial Preventive Medicine Center**

Dr. Tran Nguyen Duc	Director
Dr. Nguyen The Kien	Head of Epidemiological Department
Ms. Do Xuan Mai	Deputy Head of Laboratory Department
Ms. Nguyen Thi Xuan Huyen	Accountant

**Ha Noi**

**National Institute of Hygiene and Epidemiology**

Dr. Pham Kim Chi	Head of Laboratory of HIV/AIDS
Dr. Nguyen Thanh Long	CP, Secretary of AIDS Division, MOH
Dr. Nguyen Van Kinh	CP, Expert of AIDS Division, MOH
Other 2 persons	

**National Institute of Hematology and Blood Transfusion**

Dr. Do Trung Phan	Prof., Director
Dr. Nguyen Chi Tuyen	Vice Director
Dr. Bui Thi Mai An	Head of Laboratory of Immunology
Dr. Do Manh Tuan	CP, Head of Department of Blood Transfusion
Other 2 persons	

**National Institute of Dermatology & Venereology**

Dr. Pham Van Hien                      Director  
Dr. Tran Hau Khang                      Vice Director  
Dr. Nguyen Duy Hung                      Secretary of STD Sub-Division  
Other 5 persons

**National Institute for Clinical Research in Tropical Medicine**

Dr. Le Dang Ha                              Director  
Dr. Nguyen Duc Hien                      Deputy Director

**AIDS Division, Preventive Medicine Department, MOH**

Dr. Trinh Quan Huan                      Director of Preventive Medicine Department  
Dr. Nguyen Thanh Long                      CP, Secretary of AIDS Division  
Dr. Nguyen Van Kinh                      CP, AIDS Division  
Dr. Do Trung Phan                      Prof., Director of NIHBT  
Dr. Pham Van Hien                      Director of NID  
Dr. Pham Kim Chi                      Head of Laboratory of HIV/AIDS, NIHE  
Dr. Dinh Thu Ha                      CP, D9Maternal Child Care Hospital, HaNoi  
Other 4 persons

**IEC Center, MOH**

Dr. Nguyen Quang Thuan                      Director  
Dr. Le Phi Diet                              Vice Director  
Mr. Nguyen Huu Long                      Head of Audio-Visual Department  
Other 3 persons

**National AIDS Committee**

Dr. Chung A                                  Vice Chairman of NAC & Director of NAB  
Dr. Luu Minh Chau                      Deputy Director of NAB  
Dr. Vuong Thuy Lan                      Deputy Head of Inter. Cooperation Depart., NAB  
Dr. Nguyen Duy Tung                      Deputy Head of Health Manage. Depart., NAB  
Dr. Nguyen Tran Lam                      Expert of Inter. Cooperation Depart., NAB

## **APPENDIX 4 Minutes of Discussion**

MINUTES OF DISCUSSIONS  
ON THE BASIC DESIGN STUDY  
ON THE PROJECT FOR PREVENTION AND CONTROL OF HIV/AIDS TRANSMISSION  
IN THE SOCIALIST REPUBLIC OF VIETNAM

Based on the results of the Preparatory Study, the Government of Japan decided to conduct a Basic Design Study on the Project for Prevention and Control of HIV/AIDS Transmission (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent to the Socialist Republic of Vietnam (hereinafter referred to as "Vietnam") the Basic Design Study Team (hereinafter referred to as "the Team"), which is headed by Mr. Toshiyuki Iwama, Deputy Director, First Project Study Division, Grant Aid Project Study Department, JICA, and is scheduled to stay in the country from 17 March to 27 April, 1999.

The Team held discussions with the officials concerned of the Government of Vietnam and conducted a field survey at the study area.


In the course of discussions and field survey, both parties confirmed the main items described on the attached sheets. The Team will proceed to further works and prepare the Basic Design Study Report.

Hanoi, April 16, 1999



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Mr. Toshiyuki Iwama  
Leader  
Basic Design Study Team  
Japan International Cooperation Agency  
(Japan)



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Dr. Trinh Quan Huan, MD, PhD  
Director  
Department of Preventive Medicine  
Permanent Vice-Chairman  
AIDS Division  
Ministry of Health  
(Vietnam)

## ATTACHMENT

### 1. Objective of the Project

The objective of the Project is to contribute to Vietnam's strategy for HIV/AIDS control by participating in the following initiatives set out by UNAIDS' Integrated Plan of Action for the Socialist Republic of Vietnam 1998-1999.

- (1) To strengthen the capacity of sustaining epidemiological surveillance (Activity 4 of Initiative 1)
- (2) To strengthen the safety of blood transfusion and blood products (Initiative 8) by providing equipment to ensure that hospitals have a safe supply of compatible blood (Activity 4)
- (3) To raise the level of public awareness on AIDS prevention issues and to promote behavioral change (Initiative 5)
- (4) To strengthen condom use, promotion and distribution (Initiative 6)

### 2. Project sites

The sites of the Project are 10 provinces and the Ministry of Health (MOH). Annex 1 contains the names of the requested sites.

### 3. Responsible and Implementing Agency

3-1 The responsible agency is the MOH.

3-2 The implementing agencies are the members of the Provincial AIDS Committee through coordination by the MOH and the National AIDS Committee (NAC).

### 4. Items requested by the Government of Vietnam

After discussions with the Team, the items described in Annex-1 were finally requested by the Vietnamese side. A preliminary assessment on importance based on the field reconnaissance and discussion with MOH is also mentioned. JICA will further assess the appropriateness of the request and will report back to the Vietnamese side for further discussion.

### 5. Japan's Grant Aid Scheme

The Vietnamese side understands the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Vietnam as explained by the Preliminary Study Team and described in Annex-2 and Annex-3 of the Minutes of Discussions signed by both parties on November 24, 1998.

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## 6. Schedule of the Study

- 6-1 The consultants will proceed to further studies in Vietnam until April 27, 1999.
- 6-2 JICA will prepare the draft report in English and dispatch a mission in order to explain its contents in June 1999.
- 6-3 In case that the contents of the report is accepted in principle by the Government of Vietnam, JICA will complete the final report and send it to the Government of Vietnam by August 1999.

## 7. Other relevant issues

- 7-1 The Study Team explained the scope of this proposed Japanese assistance to the NAC. The Team is pleased to note that the Government of Vietnam agrees to provide funds to bear the recurrent expenditure. As numerous international organizations, bilateral donors and local organizations are involved in prevention and control of HIV/AIDS in Vietnam, the Team reiterates the importance of the coordination of the activities within the Government in order to achieve maximum impact and avoid eventual confusion and duplication of efforts.
- 7-2 The Team notes that there are different estimates on the future demand of the condoms. The Team is also aware that there are different channels for condom distribution. Nonetheless the agreed amount of the condoms is based on the implementation capacity of MOH.
- 7-3 MOH requests overseas training on blood transfusion safety in laboratories, epidemiology and surveillance. The Team asks MOH to submit the request to the JICA Vietnam Office.
- 7-4 MOH requests the Japanese Government to extend a follow-on project to other provinces not included in the current assistance. The Team asks to submit the request to the Embassy of Japan.

T.

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## Ho Chi Minh City (1/3)

Project Site : HCMC AIDS Division HCMC

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System								
2	Autoclave								
3	Stoven Machine								
4	Refrigerated Centrifuge								
5	Centrifuge								
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet								
9	Pipetman								
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle								
13	Condom	2,000,000			2,000,000	○	○	○	○
14	Mobile Information Unit	1			1	○	○	○	○
15	Video Camera	1	2		3	△	○	○	○
16	Video Editor	1			1	△	○	○	○
17	Video & Monitor Set	1			1	○	○	○	○
18	Printer	1			1	△	○	○	○
19	Photocopy Machine	1			1	△	△	○	○
20	Facsimile	1			1	△	△	○	○
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	△	○	○

Project Site : Preventive Medicine Centre HCMC

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	○	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge		1		1	○	○	○	○
5	Centrifuge	1		-1	0				
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	○	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)		1		1	○	○	○	○
11	Deep Freezer	1			1	○	○	○	○
12	Vehicle	1			1	○	○	○	○
13	Condom								
14	Mobile Information Unit								
15	Video Camera	1			1	△	○	○	○
16	Video Editor	1			1	△	○	○	○
17	Video & Monitor Set	1			1	○	○	○	○
18	Printer	1			1	△	○	○	○
19	Photocopy Machine	1			1	△	△	○	○
20	Facsimile	1			1	△	△	○	○
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	○	○	○

Criteria

1: Basic equipment for HIV prevention activity, 2: Necessity of equipment at the project site, 3: Availability of O/M, 4: Physical Condition of the installation site

T. Hunt

Ho Chi Minh City (2/3)

Project Site : Blood Transfusion Centre

HCVC

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	△	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge	1			1	○	○	○	○
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set								
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	△	○	○

Project Site : Tropical Diseases Centre

HCVC

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	△	○	○
2	Autoclave		1		1	○	△	○	○
3	Stoven Machine		1		1	○	△	○	○
4	Refrigerated Centrifuge								
5	Centrifuge		1		1	○	△	○	○
6	PCR System		1		1	△	○	○	○
7	Viral Load System	1		-1	0				
8	Biosafety Cabinet		1		1	○	△	○	○
9	Pipetman		1		1	○	△	○	○
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set								
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector								
22	Slide Projector								
23	Computer and Printer								
	Incubator		1		1	△	△	○	○
	Balance		1		1	△	△	○	○

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of O/M. 4: Physical Condition of the Installation site

T. *Handwritten signature*

Ho Chi Minh City (3/3)

Project Site : Dermatology Hospital

HCMC

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	○	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge								
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1	1		2	○	△	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)	1			1	○	○	○	○
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set								
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Comouter and Printer	1			1	△	△	○	○

Project Site : Pasteur Institute

HCMC

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System								
2	Autoclave								
3	Stoven Machine								
4	Refrigerated Centrifuge								
5	Centrifuge								
6	PCR System		1		1	△	○	○	○
7	Viral Load System								
8	Biosafety Cabinet								
9	Pipetman								
10	Agitator (TPHA, RPR)								
11	Deeo Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set								
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector								
22	Slide Projector								
23	Comouter and Printer								

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of O/M. 4: Physical Condition of the Installation site

*T. West*

Dong Nai Province (1/2)

Project Site : Provincial AIDS Division Dong Nai

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System								
2	Autoclave								
3	Stoven Machine								
4	Refrigerated Centrifuge								
5	Centrifuge								
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet								
9	Pipetman								
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle								
13	Condom	1,000,000		500,000	500,000	○	△	△	○
14	Mobile Information Unit	1			1	○	○	○	○
15	Video Camera	1			1	△	x	△	○
16	Video Editor	1			1	△	x	△	○
17	Video & Monitor Set	1			1	○	○	○	○
18	Printer	1			1	△	x	△	○
19	Photocopy Machine	1			1	△	○	○	○
20	Facsimile	1			1	△	○	○	○
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	△	○	○

Project Site : Preventive Medicine Centre Dong Nai

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	○	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge								
5	Centrifuge	1			1	○	△	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	○	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle	1			1	○	○	○	○
13	Condom								
14	Mobile Information Unit								
15	Video Camera	1			1	△	○	○	○
16	Video Editor	1			1	△	○	○	○
17	Video & Monitor Set	1			1	○	○	○	○
18	Printer	1			1	△	○	○	○
19	Photocopy Machine	1			1	△	△	○	○
20	Facsimile	1			1	△	△	○	○
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	○	○	○

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of O/M. 4: Physical Condition of the Installation site

T. *Thant*

Dong Nai Province (2/2)

Project Site : Provincial General Hospital Dong Nai

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	○	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge	1			1	○	○	△	○
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	○	○
9	Pipetman	1			1	○	△	○	○
10	Agitator (TPHA, RPR)		1		1	○	○	○	○
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set		1		1	○	○	○	○
18	Printer								
19	Photocopy Machine		1		1	△	△	○	○
20	Facsimile								
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Comouter and Printer	1			1	△	△	○	○
	Microscope		1		1	○	△	○	○

Project Site : Dermatology Centre Dong Nai

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	x	△	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge								
5	Centrifuge	1			1	○	x	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	△	○
9	Pipetman	1			1	○	△	○	○
10	Agitator (TPHA, RPR)	1	1		2	○	○	○	○
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set		1		1	○	x	○	○
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector	1			1	○	△	○	○
22	Slide Projector	1			1	○	△	○	○
23	Comouter and Printer	1		-1	0				
	Incubator		1		1	○	△	○	○

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of O/R. 4: Physical Condition of the Installation site

*T. West*

Baria Vungtau Province (1/2)

Project Site : Provincial AIDS Division Baria Vungtau

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System								
2	Autoclave								
3	Stoven Machine								
4	Refrigerated Centrifuge								
5	Centrifuge								
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet								
9	Pipetman								
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle								
13	Condom	800,000		400,000	400,000	○	△	△	○
14	Mobile Information Unit	1			1	○	○	○	○
15	Video Camera	1			1	△	○	○	○
16	Video Editor	1			1	△	○	○	○
17	Video & Monitor Set	1			1	○	○	○	○
18	Printer	1			1	△	○	○	○
19	Photocopy Machine	1			1	△	○	○	○
20	Facsimile	1			1	△	△	○	○
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	x	○	○

Project Site : Preventive Medicine Centre Baria Vungtau

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	○	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1		-1	0				
4	Refrigerated Centrifuge								
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle	1			1	○	○	○	○
13	Condom								
14	Mobile Information Unit								
15	Video Camera	1		-1	0				
16	Video Editor	1		-1	0				
17	Video & Monitor Set	1		-1	0				
18	Printer	1		-1	0				
19	Photocopy Machine	1		-1	0				
20	Facsimile	1		-1	0				
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	○	○	○
	Refrigerator		1		1	○	○	○	○

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of O/M. 4: Physical Condition of the Installation site

*T. Thach*

Baria Yungtau Province (2/2)

Project Site : Provincial General Hospital Baria Yungtau

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	○	○	○
2	Autoclave	1	1		2	○	○	○	○
3	Stoven Machine	1			1	○	△	○	○
4	Refrigerated Centrifuge	1			1	○	○	○	○
5	Centrifuge	1			1	○	x	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)	1			1	○	○	○	○
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera		1		1	△	x	△	○
16	Video Editor		1		1	△	x	△	○
17	Video & Monitor Set		1		1	○	○	○	○
18	Printer		1		1	△	x	△	○
19	Photocopy Machine		1		1	△	○	○	○
20	Facsimile								
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	△	○	○

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of O/M. 4: Physical Condition of the installation site

*T. Zheat*



An Giang Province (1/2)

Project Site : Provincial AIDS Division An Giang

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System								
2	Autoclave								
3	Stoven Machine								
4	Refrigerated Centrifuge								
5	Centrifuge								
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet								
9	Pipetman								
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle								
13	Condom	1,000,000			1,000,000	○	○	○	○
14	Mobile Information Unit	1			1	○	○	○	○
15	Video Camera	1			1	△	○	○	○
16	Video Editor	1			1	△	○	○	○
17	Video & Monitor Set	1			1	○	○	○	△
18	Printer	1			1	△	○	○	○
19	Photocopy Machine	1			1	△	○	○	△
20	Facsimile	1			1	△	○	○	△
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	△	○	○

Project Site : Preventive Medicine Centre An Giang

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System								
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge								
5	Centrifuge	1			1	○	○	○	○
6	PCR System	1		-1	0				
7	Viral Load System								
8	Biosafety Cabinet								
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)		1		1	○	○	○	○
11	Deep Freezer								
12	Vehicle	1			1	○	○	○	○
13	Condom								
14	Mobile Information Unit								
15	Video Camera	1			1	△	x	○	○
16	Video Editor	1		-1	0				
17	Video & Monitor Set	1			1	○	△	○	○
18	Printer	1		-1	0				
19	Photocopy Machine	1			1	△	△	○	○
20	Facsimile	1		-1	0				
21	Overhead Projector	1			1	○	△	○	○
22	Slide Projector	1			1	○	△	○	○
23	Computer and Printer	1			1	△	○	○	○

Criteria

1: Basic equipment for HIV prevention activity, 2: Necessity of equipment at the project site, 3: Availability of O/M, 4: Physical Condition of the Installation site

*T. Phant*

## An Giang Province (2/2)

Project Site : Provincial General Hospital An Giang

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System		1		1	○	○	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge	1			1	○	○	○	○
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (IPHA, RPR)	2		-1	1	○	○	○	○
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera		1		1	△	○	○	○
16	Video Editor								
17	Video & Monitor Set								
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Comouter and Printer	1			1	△	△	○	○

Project Site : Chau Doc General Hospital An Giang

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	△	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge								
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (IPHA, RPR)	2		-1	1	○	○	○	○
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set		1		1	○	○	○	○
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Comouter and Printer	1			1	△	△	○	○

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of O/K. 4: Physical Condition of the Installation site

T. Thad

## Lam Dong Province (1/2)

Project Site : Provincial AIDS Division Lam Dong

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System								
2	Autoclave								
3	Stoven Machine								
4	Refrigerated Centrifuge								
5	Centrifuge								
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet								
9	Pipetman								
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle								
13	Condom	+100,000			+100,000	○	○	△	○
14	Mobile Information Unit	1			1	○	○	○	○
15	Video Camera	1			1	△	○	○	○
16	Video Editor	1			1	△	○	○	○
17	Video & Monitor Set	1			1	○	○	○	○
18	Printer	1			1	△	○	○	○
19	Photocopy Machine	1			1	△	△	○	○
20	Facsimile	1			1	△	△	○	○
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	△	○	○
	Camera		1		1	△	△	○	○

Project Site : Preventive Medicine Centre Lam Dong

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	○	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	△	○	○
4	Refrigerated Centrifuge								
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle	1			1	○	○	○	○
13	Condom								
14	Mobile Information Unit								
15	Video Camera	1			1	△	x	△	○
16	Video Editor	1		-1	0				
17	Video & Monitor Set	1			1	○	○	○	○
18	Printer	1		-1	0				
19	Photocopy Machine	1			1	△	x	○	○
20	Facsimile	1			1	△	△	○	○
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	△	○	○
23	Computer and Printer	1			1	△	○	○	○

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of O/M.  
4: Physical Condition of the Installation site

T. *[Signature]*

## Lam Dong Province (2002)

Project Site : Provincial General Hospital Lam Dong

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System								
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	△	○	○
4	Refrigerated Centrifuge	1			1	○	○	○	○
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set								
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	△	○	○
	Refrigerator		1		1	○	○	○	○

Project Site : Dermatology Centre Lam Dong

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	○	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge								
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)	1			1	○	○	○	○
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set								
18	Printer								
19	Photocopy Machine		1		1	△	△	○	○
20	Facsimile		1		1	△	△	○	○
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	△	○	○
	Syringe needle cutter		1		1	○	○	○	○
	Camera		1		1	△	△	○	○
	Ultrasonic Cleaner		1		1	○	△	○	○

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of O/M.  
4: Physical Condition of the installation site

T. Breat

Long An Province (1/2)

Project Site : Provincial AIDS Division Long An

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System								
2	Autoclave								
3	Stoven Machina								
4	Refrigerated Centrifuge								
5	Centrifuge								
6	PCR System								
7	Viral Load System								
8	Biosafty Cabinet								
9	Pipetman								
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle								
13	Condom	500,000	10,000		500,000	○	○	○	○
14	Mobile Information Unit	1			1	○	○	○	○
15	Video Camera	1	1		2	△	○	○	○
16	Video Editor	1			1	△	○	○	○
17	Video & Monitor Set	1			1	○	○	○	○
18	Printer	1			1	△	○	○	○
19	Photocopy Machine	1			1	△	○	○	○
20	Facsimile	1			1	△	○	○	○
21	Overhead Projector	1			1	○	△	○	○
22	Slide Projector	1			1	○	△	○	○
23	Computer and Printer	1			1	△	△	○	○

Project Site : Preventive Medicine Centre Long An

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	(1)			1	○	○	○	○
2	Autoclave	1+(1)		-1	1	○	○	○	○
3	Stoven Machine	1+(1)		-1	1	○	△	○	○
4	Refrigerated Centrifuge								
5	Centrifuge	1+(1)		-1	1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafty Cabinet	1+(1)		-1	1	○	△	○	○
9	Pipetman	1+(1)		-1	1	○	△	○	○
10	Agitator (TPHA, RPR)	(1)			1	○	△	○	○
11	Deep Freezer								
12	Vehicle	1			1	○	○	○	○
13	Condom								
14	Mobile Information Unit								
15	Video Camera	1		-1	0				
16	Video Editor	1		-1	0				
17	Video & Monitor Set	1		-1	0				
18	Printer	1		-1	0				
19	Photocopy Machine	1			1	△	x	○	○
20	Facsimile	1			1	△	x	○	○
21	Overhead Projector	1+(1)		-1	1	○	△	○	○
22	Slide Projector	1+(1)		-1	1	○	△	○	○
23	Computer and Printer	1+(1)		-1	1	△	○	○	○

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of O/M. 4: Physical Condition of the Installation site

Remark: Numbers In parenthesis Indicate those proposed Initially from the dermatology Centre.

*Utah*

Long An Province (2/2)

Project Site : Provincial General Hospital Long An

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	△	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge	1			1	○	○	○	○
5	Centrifuge	1			1	○	△	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (IPHA, RPR)		1		1	○	○	○	○
11	Deep Freezer								
12	Vehicle		1		1	△	x	○	○
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set		1		1	○	△	○	○
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector	1		1	0				
22	Slide Projector	1		1	0				
23	Computer and Printer	1			1	△	△	○	○

Criteria

- 1: Basic equipment for HIV prevention activity.
- 2: Necessity of equipment at the project site.
- 3: Availability of O/M.
- 4: Physical Condition of the Installation site

*T. Wat*

Kien Giang Province (1/2)

Project Site : Provincial AIDS Division Kien Giang

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System								
2	Autoclave								
3	Stoven Machine								
4	Refrigerated Centrifuge								
5	Centrifuge								
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet								
9	Pipetman								
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle								
13	Condom	500,000	200,000		700,000	○	○	△	○
14	Mobile Information Unit	1			1	○	○	○	○
15	Video Camera	1			1	△	○	○	○
16	Video Editor	1			1	△	○	○	○
17	Video & Monitor Set	1			1	○	○	○	○
18	Printer	1			1	△	○	○	○
19	Photocopy Machine	1			1	△	○	○	○
20	Facsimile	1			1	△	○	○	○
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	△	○	○

Project Site : Preventive Medicine Centre Kien Giang

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	○	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge								
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	△	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)		1		1	○	○	○	○
11	Deep Freezer								
12	Vehicle	1			1	○	○	○	○
13	Condom								
14	Mobile Information Unit								
15	Video Camera	1			1	△	○	○	○
16	Video Editor	1		-1	0				
17	Video & Monitor Set	1			1	○	○	○	○
18	Printer	1		-1	0				
19	Photocopy Machine	1			1	△	△	○	○
20	Facsimile	1			1	△	x	○	○
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	○	○	○

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of O/M. 4: Physical Condition of the Installation site

*Handwritten signature*

Kien Giang Province (2/2)

Project Site : Provincial General Hospital Kien Giang

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	○	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge	1			1	○	○	○	○
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (IPHA, RPR)		1		1	○	○	○	○
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera		1		1	△	x	○	○
16	Video Editor								
17	Video & Monitor Set		1		1	○	△	○	○
18	Printer								
19	Photocopy Machine		1		1	△	△	○	○
20	Facsimile		1		1	△	△	○	○
21	Overhead Projector	1			1	○	△	○	○
22	Slide Projector	1			1	○	△	○	○
23	Computer and Printer	1			1	△	△	○	○

Project Site : Dermatology Centre Kien Giang

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	△	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge								
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	△	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (IPHA, RPR)	2		-1	1	○	○	○	○
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set		1		1	○	○	○	○
18	Printer								
19	Photocopy Machine		1		1	△	△	○	○
20	Facsimile		1		1	△	△	○	○
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	△	○	○

Criteria

1: Basic equipment for HIV prevention activity, 2: Necessity of equipment at the project site, 3: Availability of O/M, 4: Physical Condition of the Installation site

T. Heat



Can Tho Province (1/2)

Project Site : Provincial AIDS Division Can Tho

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System								
2	Autoclave								
3	Stoven Machine								
4	Refrigerated Centrifuge								
5	Centrifuge								
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet								
9	Pipetman								
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle								
13	Condom	1,000,000			1,000,000	○	○	○	○
14	Mobile Information Unit	1			1	○	○	○	○
15	Video Camera	1			1	△	○	○	○
16	Video Editor	1			1	△	○	○	○
17	Video & Monitor Set	1			1	○	○	○	○
18	Printer	1			1	△	○	○	○
19	Photocopy Machine	1			1	△	○	○	○
20	Facsimile	1			1	△	○	○	○
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	○	○	○

Project Site : Preventive Medicine Centre Can Tho

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System		1		1	○	○	○	○
2	Autoclave	1			1	○	△	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge								
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	△	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle	1			1	○	○	○	○
13	Condom								
14	Mobile Information Unit								
15	Video Camera	1			1	△	△	○	△
16	Video Editor	1		-1	0				
17	Video & Monitor Set	1			1	○	△	○	△
18	Printer	1		-1	0				
19	Photocopy Machine	1			1	△	△	○	△
20	Facsimile	1			1	△	△	○	△
21	Overhead Projector	1			1	○	△	○	△
22	Slide Projector	1			1	○	△	○	△
23	Computer and Printer	1			1	△	○	○	○

Criteria

1: Basic equipment for HIV prevention activity, 2: Necessity of equipment at the project site, 3: Availability of O/M, 4: Physical Condition of the Installation site

*T. Breat*

Project Site : Provincial General Hospital Can Tho

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System		1		1	○	○	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge	1			1	○	○	○	○
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1				○	△	○	○
9	Pipetman	1				○	○	○	○
10	Agitator (TPHA, RPR)		1		1	○	○	○	○
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set								
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector	1			1	○	△	○	○
22	Slide Projector	1			1	○	△	○	○
23	Computer and Printer	1			1	△	△	○	○

Project Site : Dermatology Centre Can Tho

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	△	△	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1		-1	0				
4	Refrigerated Centrifuge								
5	Centrifuge	1		-1	0				
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	△	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)	2		-1	1	○	○	○	○
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set								
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector	1		-1	0				
22	Slide Projector	1		-1	0				
23	Computer and Printer	1		-1	0				
	Medical Refrigerator		1		1	○	○	○	○

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of O/M. 4: Physical Condition of the Installation site

T. West

Tien Giang Province (1/2)

Project Site : Provincial AIDS Division Tien Giang

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System								
2	Autoclave								
3	Stoven Machine								
4	Refrigerated Centrifuge								
5	Centrifuge								
6	PCR System								
7	Viral Load System								
8	Biosafy Cabinet								
9	Pipetman								
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle								
13	Condom	800,000		300000	500,000	○	○	○	○
14	Mobile Information Unit	1			1	○	○	○	○
15	Video Camera	1			1	△	○	○	○
16	Video Editor	1			1	△	○	○	○
17	Video & Monitor Set	1			1	○	○	○	○
18	Printer	1			1	△	○	○	○
19	Photocopy Machine	1			1	△	○	○	○
20	Facsimile	1			1	△	○	○	○
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	△	○	○
	Camera		1		1	△	○	○	○

Project Site : Preventive Medicine Centre Tien Giang

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	○	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge								
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafy Cabinet	1			1	○	△	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle	1			1	○	○	○	○
13	Condom								
14	Mobile Information Unit								
15	Video Camera	1			1	△	x	○	○
16	Video Editor	1		-1	0				
17	Video & Monitor Set	1			1	○	○	○	○
18	Printer	1		-1	0				
19	Photocopy Machine	1			1	△	○	○	○
20	Facsimile	1			1	△	○	○	○
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	○	○	○
	Distilled water machine		1		1	○	○	○	○

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of O/M. 4: Physical Condition of the installation site

T. Thant

Province (2/2)

Project Site : Provincial General Hospital Tien Giang

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	○	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge	1			1	○	○	○	○
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)		1		1	○	○	○	○
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set		1		1	○	○	○	○
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector	1			1	○	△	○	○
22	Slide Projector	1			1	○	△	○	○
23	Computer and Printer	1			1	△	△	○	○

Project Site : Dermatology Centre Tien Giang

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	○	○	○
2	Autoclave	1			1	○	x	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge								
5	Centrifuge	1			1	○	△	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	△	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)	2		-1	1	○	△	○	○
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set								
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector	1			1	○	△	○	○
22	Slide Projector	1			1	○	△	○	○
23	Computer and Printer	1			1	△	△	○	○

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of O/M.  
4: Physical Condition of the Installation site

T. Wheat

Binh Duong Province (1/2)

Project Site : Provincial AIDS Division Binh Duong

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System								
2	Autoclave								
3	Stoven Machine								
4	Refrigerated Centrifuge								
5	Centrifuge								
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet								
9	Pipetman								
10	Agitator (IPHA, RPR)								
11	Deep Freezer								
12	Vehicle								
13	Condom	300,000		50,000	250,000	○	○	○	○
14	Mobile Information Unit	1			1	○	○	○	○
15	Video Camera	1			1	△	○	○	○
16	Video Editor	1			1	△	○	○	○
17	Video & Monitor Set	1			1	○	○	○	○
18	Printer	1			1	△	○	○	○
19	Photocopy Machine	1			1	△	○	○	○
20	Facsimile	1			1	△	△	○	○
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	△	○	○

Project Site : Preventive Medicine Centre Binh Duong

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	○	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge								
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (IPHA, RPR)								
11	Deep Freezer								
12	Vehicle	1			1	○	○	○	○
13	Condom								
14	Mobile Information Unit								
15	Video Camera	1			1	△	x	○	○
16	Video Editor	1		-1	0				
17	Video & Monitor Set	1			1	○	△	○	○
18	Printer	1		-1	0				
19	Photocopy Machine	1			1	△	○	○	○
20	Facsimile	1		-1	0				
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1			1	○	○	○	○
23	Computer and Printer	1			1	△	○	○	○

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of D/M. 4: Physical Condition of the Installation site

*check*

Binh Duong Province (2/2)

Project Site : Provincial General Hospital Binh Duong

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	○	○	○
2	Autoclave	1			1	○	○	○	○
3	Stoven Machine	1			1	○	○	○	○
4	Refrigerated Centrifuge	1			1	○	○	○	○
5	Centrifuge	1			1	○	○	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	○	○
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)		1		1	○	○	○	○
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set		1		1	○	○	○	○
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector	1			1	○	△	○	○
22	Slide Projector	1			1	○	△	○	○
23	Computer and Printer	1			1	△	△	○	○

Project Site : Social Disease Centre Binh Duong

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System	1			1	○	△	○	△
2	Autoclave	1			1	○	○	○	△
3	Stoven Machine	1			1	○	○	○	△
4	Refrigerated Centrifuge								
5	Centrifuge	1			1	○	△	○	○
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet	1			1	○	△	○	△
9	Pipetman	1			1	○	○	○	○
10	Agitator (TPHA, RPR)	2		-1	1	○	○	○	○
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set		1		1	○	△	○	○
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector	1			1	○	x	△	○
22	Slide Projector	1			1	○	x	△	○
23	Computer and Printer	1			1	△	△	○	○

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of O/M. 4: Physical Condition of the Installation site

T. Minh

Project Site : MOR AIDS Division Hanoi

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System								
2	Autoclave								
3	Stoven Machine								
4	Refrigerated Centrifuge								
5	Centrifuge								
6	PCR System								
7	Viral Load System								
8	Biosafety Cabinet								
9	Pipetman								
10	Agitator (IPHA, RPR)								
11	Deep Freezer								
12	Vehicle	1			1	Δ	Δ	○	○
13	Condom								
14	Mobile Information Unit	1			1	○	Δ	○	○
15	Video Camera	1			1	Δ	○	○	○
16	Video Editor	1			1	Δ	○	○	○
17	Video & Monitor Set	1			1	○	Δ	○	○
18	Printer	1			1	Δ	○	○	○
19	Photocopy Machine	1			1	Δ	○	○	○
20	Facsimile	1			1	Δ	○	○	○
21	Overhead Projector	1			1	○	○	○	○
22	Slide Projector	1		-1	0				
23	Computer and Printer	1			1	Δ	○	○	○
	Multimedia Projector w/Laptop PC		1		1	Δ	○	○	○

Project Site : Blood Transfusion Centre Hanoi

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System								
2	Autoclave								
3	Stoven Machine								
4	Refrigerated Centrifuge	1			1	○	○	○	○
5	Centrifuge								
6	PCR System	1			1	Δ	○	○	○
7	Viral Load System								
8	Biosafety Cabinet								
9	Pipetman								
10	Agitator (IPHA, RPR)								
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set								
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector								
22	Slide Projector								
23	Computer and Printer								

Criteria 1: Basic equipment for HIV prevention activity, 2: Necessity of equipment at the project site, 3: Availability of O/M, 4: Physical Condition of the Installation site

*T. Mark*

Hanoi (2/2)

Project Site : National Institute of Hygiene and Epidemiology Hanoi

No.	Equipment	Proposed No.				Criteria			
		Ori.	Add.	Del.	Total	1	2	3	4
1	ELISA System								
2	Autoclave								
3	Stoven Machine								
4	Refrigerated Centrifuge								
5	Centrifuge								
6	PCR System	1			1	Δ	○	○	○
7	Viral Load System								
8	Biosafety Cabinet								
9	Pipetman								
10	Agitator (TPHA, RPR)								
11	Deep Freezer								
12	Vehicle								
13	Condom								
14	Mobile Information Unit								
15	Video Camera								
16	Video Editor								
17	Video & Monitor Set								
18	Printer								
19	Photocopy Machine								
20	Facsimile								
21	Overhead Projector								
22	Slide Projector								
23	Comouter and Printer								

Criteria

1: Basic equipment for HIV prevention activity. 2: Necessity of equipment at the project site. 3: Availability of O/M. 4: Physical Condition of the Installation site

T. *[Signature]*



MINUTES OF DISCUSSIONS ON BASIC DESIGN STUDY  
ON THE PROJECT FOR PREVENTION AND CONTROL  
OF HIV/AIDS TRANSMISSION  
IN THE SOCIALIST REPUBLIC OF VIETNAM  
(EXPLANATION ON DRAFT REPORT)

In April 1999, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched a Basic Design Study Team on the Project for Prevention and Control of HIV/AIDS Transmission (hereinafter referred to as "the Project") to The Socialist Republic of Vietnam (hereinafter referred to as "Vietnam"), and through discussion, field survey, and technical examination of the results in Japan, JICA prepared a draft report of the study.

In order to explain and to consult Vietnam on the components of the draft report, JICA sent to Vietnam the Draft Report Explanation Team (hereinafter referred to as "the Team"), which was headed by Mr. Toshiyuki Iwama, Deputy Director, First Project Study Division, Grant Aid Project Study Department, JICA, from 17 to 30 June, 1999.

As a result of discussions, both parties confirmed the main items described on the attached sheets.

Hanoi, June 29, 1999



Dr. Trinh Quan Huan, MD, PhD  
Director  
Department of Preventive Medicine  
Permanent Vice-Chairman  
AIDS Division, Ministry of Health  
(Vietnam)



Mr. Toshiyuki Iwama  
Leader  
Draft Report Explanation Team  
Japan International Cooperation Agency  
(Japan)



(Witness)  
Prof. Chung A, PhD  
Vice-Chairman, National AIDS Committee  
Director, National AIDS Bureau  
(Vietnam)

## ATTACHMENT

### 1. Components of the Draft Report

The Government of Vietnam agreed and accepted in principle the components of the draft report along with its amendments as explained by the Team. The finally agreed list and major specification of equipment is attached.

### 2. Japan's Grant Aid scheme

Vietnam side understands the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Vietnam as explained by the Preliminary Study Team and described in Annex 2 and Annex 3 of the Minutes of Discussions signed by both parties on November 24, 1998.

Japanese side explains that the final components of the Project will be decided by the Japanese Government based on the findings of the Basic Design Study.

### 3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed items and send it to the Government of Vietnam by the end of August, 1999.

### 4. Other relevant issues

Both sides agree that following activities need to be included to the Project as soft components in order to achieve a maximum impact.

#### (1) Training for the use of the PCR system. ..

This component includes calibration of the PCR system to the local conditions and to train the staff to the appropriate level through re-testing of known samples. The Vietnamese side is requested to allow carrying a small amount of necessary serum and reagents.

#### (2) Monitoring of condom distribution.

This component consists of monitoring activities during the condom distribution from the Provincial level to the final consumers. The outcome of this activity will be the monitoring report. The expected period of monitoring will be approximately one year.

7.7.  
Grant



Equipment, Usage, and Specifications

No.	Equipment	Usage	Specification (Minimum requirement)
L-1	ELISA System	Examination of HIV infection	Open system, Composition : incubator/ washer/ reader
L-2	Autoclave	Sterilization of equipment and devices	Operating temp. 105~123°C, Vertical type, Capacity 50 liter
L-3	Hot air sterilizer	Drying and Sterilization of equipment and devices	Operating temp 40~250°C, Natural circulation, Capacity 70 liter
L-4	Refrigerated centrifuge	Centrifugal separation of test blood	Desktop type, Capacity 1.5/2.0 ml x 16, Revolution Max. 13,000 rpm, Temp. control range -9~40°C
L-5	Centrifuge	Centrifugal separation of test blood	Desktop type, Capacity 15 ml X 40, Revolution Max. 6,000 rpm
L-6	PCR System	Precise examination of HIV infection	Composition : Bio safety cabinet, Thermal cycler, HS Refrigerated micro-centrifuge
L-7	Bio safety cabinet	Prevention for examiners from testing disease infection	Safety level II, Width of operation area 1,200 mm, Material SUS304
L-8	Digital micro pipette	Deposition of a certain amount of samples	Digital type, Composition : 10 to 100 µl x 1 pc., 100 to 1,000 µl x 1 pc., 8 ch. 5 to 50 µl x 1 pc.
L-9	Agitator (RPR)	Glass plate mixing in RPR testing	Capacity RPR x2, Horizontal rotation type, Revolution 20~120 rpm
L-10	Agitator (TPHA)	Micro plate mixing in TPHA testing	Applicable plate 96 well micro plate, Capacity 2 plate, Vibration type
L-11	Deep freezer	Conservation of testing materials	Upright type, Capacity 200 liter, Temperature -85°C
L-12	Blood collecting vehicle	Testing blood sample collection in local areas	4WD Station Wagon type, Displacement 3,000 cc, Equipment Cooling box Capacity 340 liter, Temp. 2~14°C
L-13	Medical refrigerator	Conservation of medical materials for HIV testing	Distilled water production, 1.8 l/h, Pre filter/ion exchange resin/dissolution
L-14	Distilled water manufacture	Produce distilled water for ELISA system	Floor type, Max. 6,000 rpm, Temp. -20 ~40°C, Capacity 1,000 ml x 6
B-1	Refrigerated centrifuge	Blood component separation	Latex, Size M, ISO 4074/1990
I-1	Condom	Teaching materials to promote usage of condom	4WD Station Wagon type, Equipment : VTR, Video projector etc
I-2	Mobile Information Unit	IEC activities of remote area	29 inch multi system TV, Multi system VHS video recorder, Cabinet
I-3	VTR/TV Set	Showing video soft for HIV protection	Digital scan type, Speed 120 sheet/min, Resolution 400 dpi
I-4	Printing machine	Printing matters for HIV Protection	Desktop type, Speed 16 PPM, Document size max.A3
I-5	Photocopy machine	Photocopy of materials for IEC activities & training.	Desktop type, Paper size A4, Compatibility ITU (CCITT)
I-6	FAX	Data transmissions of sentinel surveillance	Portable type, Lamp Halogen
I-7	OHP	Projection of materials in IEC for HIV prevention	Portable type, Lamp Halogen, Accessory Portable type screen
I-8	Slide projector	Projection of materials in IEC for HIV prevention	Desktop type, CPU 400MHz, RAM 64MB, HDD 3.2GB, 17" monitor, Laser printer
I-9	PC set	Data management of sentinel surveillance	Composition : LCD Video projector, Visual presenter, Notebook type PC
I-10	Multi-media projector	Projection of materials in IEC for HIV prevention	

1.1  
2.1







JICA