

インドネシア

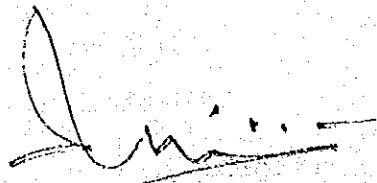
THE RECORD OF DISCUSSIONS BETWEEN THE JAPANESE IMPLEMENTATION
SURVEY TEAM AND THE AUTHORITIES CONCERNED OF THE GOVERNMENT
OF THE REPUBLIC OF INDONESIA ON THE JAPANESE TECHNICAL
COOPERATION IN THE FIELD OF THE PROMOTION OF
HEALTH IN NORTH SUMATERA WITH SPECIAL
ATTENTION TO THE ASAHAN AREA

The Japanese Implementation Survey Team (hereinafter referred to as "the Team"), organized by the Japan International Cooperation Agency (hereinafter referred to as "the JICA") and headed by Dr. Tadashi TAKEUCHI, Professor of Nihon University, School of Medicine visited the Republic of Indonesia from 29 of September 1977 to 11 of October, 1977 for the purpose of working out the details of the technical cooperation project in the field of the promotion of health in North Sumatera with special attention to the Asahan Area (hereinafter referred to as "the Project").

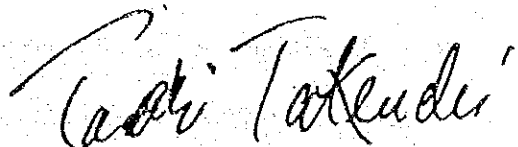
The Team exchanged views and had a series of discussions with the authorities concerned of the Government of the Republic of Indonesia concerning the desirable measures to be taken by both Governments for the successful implementation of the aforementioned Project.

As a result of the survey and discussions, both parties agreed to recommend to their respective Governments the matters referred to in the Document attached hereto.

Signed at Jakarta on the 10th of October, 1977.



Djaka Sutadiwiria
Secretary General
Ministry of Health
The Republic of Indonesia.



Dr. Tadashi TAKEUCHI
Head of Japanese
Implementation Survey Team.

THE ATTACHED DOCUMENT

1. BACKGROUND.

Recognizing that the promotion of health is one of the most important task to support economic development in Indonesia, which will greatly contribute to the advancement of welfare of the people and to social development of the country, the Government of Japan will cooperate with the Government of the Republic of Indonesia in carrying out the Project.

Through this cooperation, it is expected that the Government of the Republic of Indonesia will be able to further develop the health services and thus improve health conditions in North Sumatra.

2. OUTLINE OF THE PROJECT.

- (1). To promote communicable diseases control activities.
- (2). To improve the health care delivery services.
- (3). To improve health laboratory services.
- (4). To promote health education activities.
- (5). To promote other related health fields mutually agreed upon as necessary.

3. MEASURES TO BE TAKEN BY THE GOVERNMENTS CONCERNED.

3.1. The Government of Japan.

- 3.1.1. In accordance with laws and regulations in force in Japan, the Government of Japan will take necessary measures through the JICA to provide, at its own expense, the requisite services of Japanese

experts including those for installation of equipment as listed in APPENDIX I upon the request of the Government of the Republic of Indonesia through the normal procedures under the Colombo Plan Technical Cooperation Scheme. (Application Form A 1).

3.1.2. In accordance with laws and regulations in force in Japan, the Government of Japan will take necessary measures through the JICA to provide, at its own expense, such equipment, materials, and so forth required for the implementation of the Project as listed in APPENDIX II upon the request of the Government of the Republic of Indonesia through the normal procedures under the Colombo Plan Technical Cooperation Scheme. (Application Form A 4).

a) The equipment, materials, and so forth referred to above will become the property of the Government of the Republic of Indonesia upon delivery c.i.f. to the authorities concerned of Indonesia at the port of disembarkation.

b) The equipment, materials, and so forth referred to above will be utilized exclusively for the implementation of the Project in close consultative with the Japanese experts.

3.1.3. In accordance with laws and regulations in force in Japan, the Government of Japan will take necessary measures through the JICA to receive, at its own expense, Indonesian staff associated with the Project for such technical training in Japan as listed in APPENDIX III upon the request of the Government of the Republic of Indonesia through the normal procedures under the Colombo Plan Technical Cooperation Scheme. (Application Forms A 2, A 3).

3.2. THE GOVERNMENT OF THE REPUBLIC OF INDONESIA.

3.2.1. In accordance with laws and regulations in force in Indonesia, the Government of the Republic of Indonesia will take necessary measures to ensure the recruitment of Indonesian counterpart personnel as listed in APPENDIX IV and provide, at its own expense, the services of such counterpart.

3.2.2. In accordance with laws and regulations in force in Indonesia, the Government of the Republic of Indonesia will take necessary measures to provide at its own expense;

- a) Office and other incidental facilities in the Project area;
- b) Supply or replacement of equipment, materials, and so forth for the implementation of the Project, other than those provided by the Government of Japan under the paragraph 3.1.2.

3.2.3. In accordance with laws and regulations in force in Indonesia, the Government of the Republic of Indonesia will take necessary measures to meet;

- a) All running expenses necessary for the effective implementation of the Project;
- b) Expenses necessary for the domestic transportation of the goods provided by the Government of Japan under the paragraph 3.2.2. as well as for their installation, operation, and maintenance and repair;
- c) Expenses for chauffeured vehicles for the Japanese experts during working hours;

d) Expenses for the internal travel in Indonesia relevant to the Project of the Japanese experts on duty, limited to transport cost only;

e) Expenses necessary for furnished housing accommodation for the Japanese experts, according to Indonesian standards.

3.2.4. In accordance with laws and regulations in force in Indonesia, the Government of the Republic of Indonesia will take necessary measures to provide for the exemption of customs duties, internal taxes and other similar charges, if any, imposed in Indonesia in respect of the goods provided by the Government of Japan under the paragraph 3.1.2.

3.2.5. The Government of the Republic of Indonesia will grant the Japanese experts and their families privileges, exemptions and benefits in Indonesia no less favourable than those accorded to experts of third countries working in Indonesia under the Colombo Plan Technical Cooperation Scheme.

3.2.6. The Government of the Republic of Indonesia will exempt the Japanese personnel under the terms of this Attached Document from all taxes and other fiscal charges in connection with all remunerations remitted to the Japanese personnel by the Government of Japan or the JICA.

3.2.7. The Government of the Republic of Indonesia will provide free medical services and facilities to the Japanese experts and their families in Government Dispensaries or Hospitals.

3.2.8. The Government of the Republic of Indonesia will take necessary measures to ensure that the knowledge and experience acquired by the Indonesian personnel from technical training in Japan will be utilized effectively for the Project.

4. MISCELLANEOUS.

- 4.1. In accordance with laws and regulations in force in Indonesia, the Government of the Republic of Indonesia undertakes to bear claims, if any arises, against the Japanese experts resulting from, occurring in the course of, or otherwise connected with the discharge of their official functions in Indonesia, except for those claims arising from the willful misconduct or gross negligence of the Japanese experts.
- 4.2. The Japanese experts will give necessary technical guidance and advice to the Indonesian staff associated with the Project pertaining to the implementation of the Project, and Indonesian authorities concerned will be responsible for the administrative and managerial matters pertaining to the Project.
- 4.3. It is advisable to establish a Joint Committee which consists of the representatives of both Indonesian authorities concerned and Japanese resident experts for the successful and smooth implementation of the Project.
- 4.4. Both Governments will consult each other when necessary, in respect to any matter that may arise from or in connection with this Record of Discussions.

4.5. The facilitate the smooth running of the implementation of the Project the Ministry of Health of the Republic of Indonesia will appoint a Project manager.

4.6. The project will be implemented in accordance with the plan of operation which is given separately.

5. VALIDATION.

The technical cooperation for the Project mentioned above will be valid from April the 1st 1978 to March the 31st 1983.

APPENDIX I : Japanese Experts.

The Japanese experts will include the following :

1. Expert in health laboratory technology.
2. Expert in environmental health.
3. Expert in microbiology.
4. Expert in parasitology.
5. Expert in health services.
6. Expert in other related fields to be mutually agreed upon as necessary.

note : One of the experts will be nominated as Team Leader.

APPENDIX II : Equipment, Materials and so forth.

1. Equipments and materials for the communicable diseases control, health care delivery services, health laboratory service, health education activities and other related health fields mutually agreed upon as necessary.
2. Vehicles for transportation.

APPENDIX III : Training in Japan.

Personnel related to :

1. Communicable Diseases Control.
2. Health Care Delivery Services.
3. Health Laboratory Services.
4. Health Education Activities.
5. And other health related fields to be mutually agreed upon
as necessary.

APPENDIX IV : Counterpart personnel.

The Indonesian Counterpart will include the following personnel in the field of :

1. Health Laboratory Technology.
2. Environmental Health.
3. Microbiology.
4. Parasitology.
5. Health Services.
6. And other related health fields to be mutually agreed upon as necessary.

REPORT OF THE FIRST STEERING COMMITTEE MEETING
OF THE ASAHAN HEALTH PROJECT IN NORTH SUMATRA

MARCH 9, 1979

I. REVIEW OF 1978/1979.

The Steering Committee meeting was held under the Chairman of Dr. R. SOEBEKTI MPH, The Director General of Community Health on the 9th of March, 1979.

The progress of the project during 1978/1979 was reviewed and discussed. Several problems were pointed out. Measures to solve these problems were also discussed and incorporated to the plan of action for 1979/1980.

It was recommended to take an urgent action in proceeding the remaining one fellowship within the fiscal year 1978/1979.

II. PLAN OF ACTION 1979/1980.

1. Activities.

1.1. In general the activities to be carried out in 1979/1980 will be a continuation of the activities conducted in 1978/1979.

1.2. In order to further strengthen the ongoing health services in the project area, priority of the assistance of JICA will be given to the following activities :

- a. Strengthening of Health Centre Services.
- b. Malaria Control Programme.
- c. Hygiene and Sanitation.
- d. Health Laboratory Services.
- e. Survey on Rural Water Supply.
- f. Epidemiological study in the Project Area.

2. Supporting services.

2.1. Expert.

Japanese expert will be provided according to the priority of activities as listed in Annex : 1.

It is requested to dispatch these experts as soon as possible, to assist the strengthening of the ongoing local activities.

Upon arrival of the expert, the project manager will nominate a corresponding staff as a counterpart.

Japanese side is strongly requested to send one coordinator as early as possible.

2.2. Fellowship.

JICA will accept trainees according to the priority as listed in Annex : 2.

Priority will be given to the personnel who will work with the experts.

2.3. Equipments and materials.

JICA will send equipments and materials according to the priority as listed in Annex : 3.

The equipments and materials necessary for the laboratories, field work and office work of Japanese experts will be selected and given specifications by Japanese experts and JICA.

2.4. Local laboratory.

A local laboratory is essential for the field activities in the Project Area. Both Indonesian and Japanese side agreed to establish the laboratory in 1979/1980 and to continue the discussion on this matter.

As the location for the laboratory, the compound of the Indrapura Health Center or place nearby is considered most suitable.

Indonesian side is requested to study the availability of the counter budget for construction and maintenance of the laboratory.

An early dispatch of a Japanese expert of civil engineering is requested to make feasibility study on the construction.

It is also requested to Japanese side to investigate the possibility to make use of a local contractor to build the laboratory using pre-fabricated materials.

3. Budget.

3.1. Proposed budget allocation from the Government of Indonesia for 1979/1980.

a. From Central Government, a total amount is to be about 79.18 million rupiahs which consist of :

- Communicable disease activities 55 million rupiahs.
- Health laboratory services 20 million rupiahs.
- Miscellaneous 4.18 million rupiahs.

b. From the local Government, a total amount of 32.36 million rupiahs has been allocated to be used in the year 1979/1980.

3.2. Budget allocation from JICA in 1979/1980.

A total amount for equipments and materials to be supplied for the activities to carried out in 1979/1980 will be equivalent or more to that allocated for 1978/1979.

4. Miscellaneous.

4.1. Clearance of equipments and materials.

- a. To facilitate the procedure of clearance, Indonesian side should set up an appropriate system in cooperation and with the assistance of Japanese coordinator.
- b. Indonesian side is requested to provide sufficient budget for the handling cost.
- c. Shipping of temperature-controlled goods such as sera with special message to the consignee should be made separately from other goods so that quick clearance of the goods could be possible.

4.2. List of inhabitants and maps of the selected villages in the Project Area should be prepared as early as possible.


4.3. A short telecommunication system is indispensable for the field activity in the Project Area, because of the lack of suitable communication system between Medan and the Project Area.

Indonesian side is requested to take the necessary steps to get a license from the authorities concerned.

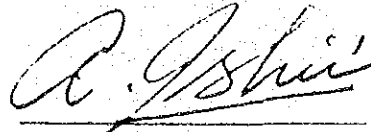
Technical information necessary to the above will be given from Japanese side prior to the supply of the equipment for the system.

- 4.4. Local Government will provide a house for short term experts, maximum 3 - 4 persons at one time.
- 4.5. Indonesian side is requested to recruit sufficient number of drivers for the work of Japanese experts on duty and also requested to provide garage for the vehicles for the project.
- 4.6. Indonesian side is requested to install telephone at the Japanese team-leader's office and a room for Japanese experts at Laboratorium Kesehatan.

Signed at Jakarta on March 14, 1979



Dr. Mangasa Siregar M. Comm. H
Project Manager,
Asahan Health Project,
North Sumatra.



Dr. Akira Ishii
Head of
Japanese Expert Team.

LIST OF EXPERTS REQUESTED

I. Long term expert :

1. Laboratory specialist (Clinical Chemistry).
2. Microbiologist.
3. Malaria parasitologist.
4. Ecologist.
5. Sanitary technologist.
6. Public health general.
7. X-ray technologist.

II. Short term expert :

1. Toxicology.
2. Health economist (System Analysis).
3. Serologist.
4. Parasitologist.
5. Entomologist.
6. Bacteriology (Cholera specialist).
7. Statistician.
8. Public health (Primary Health Care).
9. Tuberculosis control program specialist.
10. Sanitary engineer in rural water supply.
11. Clinical pathologist (Hematologist).

LIST OF FELLOWSHIPS REQUESTED

- | | |
|---------------------------------|------------------------|
| 1. Malaria | : dr. W. Panjaitan. |
| 2. Cholera | : dr. E. Munte |
| 3. Microbiology, Parasitology | : dr. R. Purba |
| 4. Clinical chemistry | : dr. Mangasa Lubis |
| 5. Communicable disease control | : dr. Sulaiman Lubis |
| 6. Sanitary engineering | : Sutikno BSc. |
| 7. Statistic, Health planning | : Drs Jamaludin Rambe |
| 8. Health management | : dr. A. Sami Siregar |
| 9. Toxicology | : Drs. T.M. Situmorang |
| 10. Mother & Child health | : dr. RPB Adil Parapat |
| 11. Vaccination program | : dr. Ari Gultom |
| 12. Family planning | : dr. A. Hasan Siregar |
| 13. Food microbiology | : Marcus Ginting |

LIST OF EQUIPMENT AND MATERIALS FOR FISCAL YEAR 1979/1980

PROJECT ASAHAN

ANNEX 3

No.	EQUIPMENT AND MATERIAL	UNIT	QUANTITY
1	2	3	4
	I. C.D.C.		
	A. <u>Malaria</u>		
1.	Humidity meter, Thermohumidimeter, 7 days Isuzda	pcs	3
2.	Alti meter	pcs	2
3.	Salinity meter	-	1
4.	Traps, Mosquito, light	pcs	3
5.	Bineculair microscope, compound	pcs	3
6.	Dissecting microscope, student type	pcs	3
7.	Magnifier (magnification 10 x) Test tube 15 cm, Petri dish, Ø 9 cm	pcs	5
8.	Chemical for resistency test of plasmodium		
	B. <u>T.B. Control</u> :		
1.	Slide glass	pcs	30.000
2.	Microscope bineculair	pcs	4
	C. <u>Cholera</u> :		
1.	Small operating instrument set	set	20
	D. <u>Hygiene Sanitation</u> :		
1.	Hydra drill	pcs	1
	- Drill (minimum 5 HP)	pcs	1
	- Water pump machine 5 HP, with minimum pressure 100m	pcs	1
2.	Dragon hand pump	pcs	155
3.	G.I. pipe, Ø 2 inch @ 6 m	bar	200
4.	G.I. pipe, Ø 1½ inch @ 6 m	bar	725
5.	G.I. pipe, Ø 3 inch @ 6 m	bar	60
6.	PVC. pipe, Ø 4 inch @ 6 m	bar	100
7.	PVC. pipe, Ø 3 inch @ 6 m	bar	500
8.	Water test Kit	kit	2
	E. <u>Wern Control</u> :		
1.	Colorimeter (Shimadzu)	pcs	1
2.	Hb. meter	pcs	3
3.	Calculator, table type	pcs	1

F.

1	2	3	4
	<u>F. Immunization:</u>		
1.	Kerosene Refrigerator	pcs	4
2.	Cold box, \bar{G} -----	pcs	10
	Small 2		
	medium 6		
	large 2		
	<u>II. MEDICAL CARE</u>		
1.	Film Sound projector 16 mm	pcs	1
2.	Slide sound projector	pcs	1
3.	Fete Camera	pcs	1
	- Flash Unit	pcs	1
	- Micro lens & Telelens	pcs	1
	- Wide angle lens	pcs	1
	- Standard 'elben	pcs	1
4.	Film sound projector 8 mm	pcs	1
5.	Movie sound Camera 8 mm	pcs	1
6.	Generator portable 3.000 watt	pcs	1
7.	Slide sound projector	pcs	1
8.	Generator portable 1.500 watt	pcs	1
9.	Film Screen 1 x 1 $\frac{1}{2}$ m	pcs	1
10.	Fete Camera	pcs	1
	- Flash Unit	pcs	1
	- Tripet Velben	pcs	1
	- Close up lens 1,2 & 3	pcs	3
11.	Film sound projector	pcs	1
12.	Mega Phone	pcs	3
13.	Slide projector AC/DC	pcs	3
14.	Film Screen 1 x 1 $\frac{1}{2}$ m	pcs	3
15.	Tape Recorder	pcs	3
16.	Laboratory set	set	3
17.	Type Writer, portable	pcs	3
18.	Oxygen aparat	pcs	1
19.	X-ray aparat (Inrapura HC), direct	pcs	1
20.	Incubator set	set	1
21.	Electric Generator	pcs	1
22.	Recepier	pcs	1
23.	Suction machine		
	- Low Voltage	pcs	1
	- High Voltage	pcs	1
24.	Curettage set	set	1
25.	Simple aneesthetic machine	pcs	1
26.	Weighing scale 25 kg	pcs	36

1	2	3	4
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III. HEALTH STATISTICAL EQUIPMENT.

1.	Electric Stencil Cutter, Gakken Fax Model GOM - 500 and Accessories	pcs	1
2.	Statistical Board 100 x 50 cm	pcs	10
3.	Caloulater, Casio table type & printer	pcs	5
4.	Type Writer portable MS - 25 E	pcs	5
5.	Duplicator Roneo Vickers Model 4/5 or equivalent and accessories	pcs	2
6.	IBM type writer 18 inch	pcs	3
7.	Visual Presentation Rise 151 + step up 5.000 watt	pcs	1

IV. DATA PROCESSING EQUIPMENT

1.	Laminating Machine (Plastic tach) Model L - 230 Meiko	set	1
2.	Plastic Binding Machine + accessories	set	1

V. VEHICLES

A. For Experts

1.	Jeep (4 wheel Station wagen)	pcs	3
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B. For Province

1.	Land Cruiser (4 wheel drive)	pcs	2
2.	Mini - Bus (for 9 - 11 persons)	pcs	1
3.	Motorcycles (Honda 100cc)	pcs	3

C. For Indrapura Health Centres

1.	Ambulance (4 wheel drive)	pcs	1
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D. For Health Centres

1.	Pick - up	pcs	2
2.	Motorcycles (Honda 100 cc)	pcs	6
3.	Ladies motorcycles (Honda Cup 70 cc)	pcs	6

VI. EQUIPMENT AND MATERIALS FOR

HEALTH LABORATORY MEDAN

VII. REAGENTS AND REAGENTS.

Reagents

A.	1. Acetic anhydride.....	1 l.
	2. 4-amino antipyrine.....	250 g.
	3. Acetone.....	1 l.
	4. Arsenic trioxide.....	500 g.
	5. 4-aminophenazone.....	100 g.
	6. 1-amino 2-naphthol 4-sulphonic acid.....	100 g.
B.	1. Benzoyl leucomethylene blue.....	25 g.
	2. Benzene.....	2 l.
	3. Butanol.....	2 l.
C.	1. Cadmium metal.....	100 g.
	2. Chloroform.....	5 l.
	3. Chloramin-T.....	500 g.
	4. Ceric sulphate.....	250 g.
	5. Catechol Violet.....	100 g.
	6. Cetyl trimethyl ammonium bromide.....	1 kg.
D.	1. Diphenyl Carbazide.....	100 g.
	2. Diamino benzidine.....	100 g.
E.	Fuming sulphuric-acid, containing 15% free.....	1 l.
F.	1. Hydriodic acid.....	500 ml.
	2. Hydrobromic acid, 48%.....	1 l.
G.	1. Iron metal.....	100 g.
H.	1. MCPA (2,4-, dichlorprop).....	1 l.
	2. Methylene blue.....	25 g.
I.	1. 1-phenyl-3-methyl-5-pyrazolone.....	500 g.
	2. Pyridine.....	500 ml.
	3. Phosphorus pentoxide.....	500 g.
	4. Para dimethyl amino benzalrhodamine.....	15 g.
J.	1. Solochrome Cyanine R (Eriochrome Cyanine, R)...	100 g.
	2. Silver diethyl thio Carbamate.....	10 g.
	3. Sodium diethyl dithio carbamate.....	50 g.
	4. Solid CYDPA (trans.-1,2-diamino cyclo hexane-tetra acetic acid).....	100 g.
	5. Sodium hyphosphite.....	500 g.
	6. Selenium dioxide.....	100 g.

- T. 1. Thiosalicylamide..... 25g.
2. Tri chloro acetic acid..... 500 g.
3. Tungstophosphoric acid..... 100 g.

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IV. PARASITOLOGY

A. Equipment.

1.	Slide glass	2000	pieces
2.	Cover glass	3000	pieces
3.	Microscope Binocular	1	set
4.	Test tube 20 x 180 mm	200	pieces
5.	Beaker glass 50 ml	20	pieces
	100 ml	10	pieces
	500 ml	10	pieces
	1000 ml	10	pieces
6.	Centrifuge 1000 - 10.000 RPM	1	Set
7.	Stoll's flask	10	pieces
8.	Glass Beads	100	pieces
9.	Cellophane strips	200	pieces
10.	Conical Centrifuge tube	100	pieces
11.	Pipet 1 ml	10	pieces
12.	Pipet 5 ml	20	pieces
13.	Stein Jars	15	sets
14.	Microscope preparate boxes	10	pieces
15.	Strips scotch tape	100	pieces
16.	Tongue depressor	20	pieces
17.	Cover glass No.1 (Thickness glass)	1000	pieces
18.	Coplin Jars	10	sets

B. CHEMICALS.

1.	Jodium crystal	500	g.
2.	Potassium Jodide	1000	g.
3.	Zink Sulfat	2000	g.
4.	Sodium bephosphat	2000	g.
5.	Potassium Hydro Phosphat	2000	g.
6.	Aether	1000	ml.
7.	Eosin wasserloslich (Eosin powder)	500	g.
8.	Azur Eosin Methylen Blue nach Giemsa (Giemsa powder)	500	g.
9.	Glycerin p.a.	2000	ml.
10.	Merthiolate Formaline Solution	5000	ml.
11.	Quansel Solution	4000	ml.
12.	Schaudin Solution	4000	ml.
13.	Mordant Solution	3000	ml.
14.	Iron Hematoxylin Stock Solution	1000	ml.
15.	Dertaining Solution	2000	ml.
16.	Carboxylene	2000	ml.
17.	Cylene	2000	ml.
18.	Polyvinil Alcohol	2000	ml.
19.	Xylol Balsam	500	g.
20.	Xylol Damar	500	g.
21.	Saponin 2 % in Physiologic Solution	300	ml.
22.	Malacit Green	500	ml.
23.	Phenol crystal	500	g.

V. SEROROLOGY.

A. Equipments.

1.	Erlen meyer flask 250 cc	10	pcs.
2.	Erlen meyer flask 100 cc	20	pcs.
3.	Erlen Meyer flask 50 cc	10	pcs.
4.	Funnel Ø 14 cm	20	pcs.
5.	Funnel Ø 10 cm	10	pcs.
6.	Beaker glass 250 cc	10	pcs.
7.	Beaker glass 100 cc	5	pcs.
8.	Graduated cylinder 250 cc	5	pcs.
9.	- " - 100 cc	5	pcs.
10.	- " - 50 cc	10	pcs.
11.	Graduated pipet 20 cc	30	pcs.
12.	- " - 10 cc	30	pcs.
13.	- " - 5 cc	50	pcs.
14.	- " - 1 cc	30	pcs.
15.	Centrifuge tube	30	pcs.
16.	Graduated centrifuge tube 15 ml	10	pcs.
17.	- " - 40 ml	300	pcs.
18.	Venoject	5	pcs.
19.	Syringe 20 cc	5	pcs.
20.	- " - 10 cc	5	pcs.
21.	- " - 5 cc	5	pcs.
22.	- " - 2 cc	50	pcs.
23.	Gauge needle 18 - 20	1	pc
24.	Timer	1	pc
25.	Ice container	5	pcs.
26.	Test reading mirror	1	pc
27.	pH meter	1	pc
28.	Magnetic stirer	1	pc
29.	4°C centrifuge	1	pc
30.	26°C centrifuge	1	kg.
31.	Glass beads	100	pcs
32.	Remaglutination Tray "U" shaped bottom	4	pcs.
33.	Pipet droppers calibrated to deliver 0,025 ml	100	pcs
34.	Micro Diluter		

B. REAGENTS.

1.	Bacto Streptolysin O Reagent	120	vials
2.	Bacto Streptolysin O buffer	12	vials
3.	V.D.R.L. Anti gent	100	sets
4.	Blood group anti sera	40	sets
5.	Dextrose	300	grams
6.	Sodium Citrate	300	grams
7.	Sodium Chloride	500	grams
8.	Citric Acid	300	grams
9.	Sodium Hydroxide	300	grams
10.	Hydrochloric Acid	300	grams
11.	Boric Acid	300	grams
12.	Barbituric Acid	300	grams
13.	Gelatine	300	grams
14.	Sodium Barbitol	300	grams
15.	Calcium Chloride Anhydric	200	grams
16.	Magnesium sulphate	300	grams
17.	Sodium Phosphate dibasic	300	grams
18.	Sodium Phosphate monobasic	300	grams
19.	Kaolin	200	grams
20.	Bovine serum albumin serological fraction V	50	grams
21.	Standard erythrocyt untuk penentuan golongan darah	40	vials
22.	Rhesus factor (anti "D" sera)	5	sets
23.	Dengue Antigen	10	sets
24.	Formaline	500	ml
25.	Praecipitin anti human sera	20	vials
26.	- " - horse sera	20	vials
27.	- " - cat sera	20	vials
28.	- " - dog sera	20	vials
29.	- " - cow sera	20	vials
30.	- " - sheep sera	20	vials
31.	- " - cock / bird sera	20	vials
32.	- " - pig sera	20	vials
33.	- " - guinea pig sera	20	vials

HEALTH LABORATORY MEDAN

I. MICROBIOLOGY

A. <u>Equipment</u> :		
1. Autoclave		2 pcs.
2. Water bath		1 pc.
3. Farmaceutical balance		1 set.
4. Balance, cap. 10 gr - 1 kg		1 set.
5. Lovibond comperator, for pH and Chloride		2 sets.
6. Koch, Arnold		2 sets.
7. O y e n		2 sets.
8. Water still		1 set.
9. Pincet, Anatomic		5 pcs.
10. Anaerobic jar + vacuum pump		1 set.
11. Bacteria colony counter		1 set.
12. Thermometer 0° - 100° C		2 pcs.
13. Centrifuge, 1000 - 8000 rpm		1 set.
14. Shaking machine for t.b.c.		1 set.
15. Centrifuge balance		1 set.
16. Petri dishes ϕ 9 cm		1000 pcs.
17. Glass Funnel ϕ 5 cm		10 pcs.
18. Graduated cylinder 1 Ltr		5 pcs.
500 cc		10 pcs.
250 cc		10 pcs.
100 cc		10 pcs.
19. Erlenmeyer Flask, 5 Ltr		5 pcs.
3 Ltr		10 pcs.
1 Ltr		20 pcs.
500 cc		20 pcs.
300 cc		20 pcs.
20. Beaker glass 400 cc		20 pcs.
250 cc		20 pcs.
100 cc		20 pcs.
21. Test Tube 175 x 20 mm		1000 pcs.
160 x 16 mm		2000 pcs.
100 x 12 mm		2000 pcs.
22. Graduated pipet 25 ml		100 pcs.
10 ml		100 pcs.
5 ml		100 pcs.
1 ml		100 pcs.
23. Homogenizer, electric		1 set.
24. Glass pepi (non pyrex) ϕ 1 cm		100 pcs.
ϕ 3 cm		100 pcs.

B. MEDIA AND CHEMICALS :

1. T.C.B.S. Agar	4 lbs.
2. Carry Blair Broth	4 lbs.
3. Endo Agar	4 lbs.
4. Wilson Blair Agar	4 lbs.
5. S.S. Agar	4 lbs.
6. Bacto Peptone	10 lbs.
7. Selenite Broth	2 lbs.
8. Liver Broth	2 lbs.
9. T.S.I. Agar	2 lbs.
10. L.I. Medium	1 lbs.
11. Thioglycolate Broth	1 lbs.
12. Oxidation Fermentation Test Media	1 lbs.
13. Ovgall	1 lbs.
14. Tryptioase Soy Broth	1 lbs.
15. Tryptioase Soy Agar	1 lbs.
16. Egga Yolk Pyruvated agar	1 lbs.
17. Ogawa Medium for vbc	2 lbs.
18. Tetra methyl para phenylene diamine	50 gr.
19. Basic fuchsin	100 gr.
20. Methylen Blue	100 gr.
21. Gaurian Violet	100 gr.
22. Brom Thymol Blue	100 gr.

II. TOXICOLOGI & BIO CHEMISTRY

A. Equipment :

1. Separating funnel 250 ml	25 pcs.
2. Column Chromatography	25 pcs.
3. Chamber Chromatography	10 pcs.
4. Layer 20 x 20 cm	100 pcs.
5. Exicator for T.L.C.	5 pcs.
6. Applicator with 5 layer	2 pcs.
7. Freezer	1 pc
8. Blower	5 pcs.
9. Oven 500° C	1 pc.
10. Soxhlet Apparatus 100 a 250 cc masing2	10 sets.
11. Erlenmeyer glass 100 cc	50 pcs.
12. Erlenmeyer glass 250 cc	25 pcs.
13. Beaker glass 100 cc	50 pcs.
14. Beaker glass 250 cc	50 pcs.
15. Beaker glass 400 cc	25 pcs.
16. Beaker glass 1 l	5 pcs.
17. Flash holder	5 pcs.
18. Kroes holder	5 pcs.
19. Water bath	3 pcs.
20. Kroes test tube ϕ 3 cm	10 pcs.
21. Porcelain glass ϕ 7 cm	5 pcs.
22. Mortiar ϕ 10 cm	15 pcs.
23. Cylinder glass 5 cc	25 pcs.
24. Cylinder glass 50 cc	25 pcs.
25. Cylinder glass 100 cc	10 pcs.
26. Cylinder glass 250 cc	5 pcs.
27. Cylinder glass 500 cc	5 pcs.
28. Cylinder glass 1 l	5 pcs.
29. Stop watch	1 pc
30. Pincet	5 pcs.
31. Scissor	2 pcs.
32. Buret cap 50 ml	5 pcs.
33. Buret cap 25 ml	10 pcs.
34. Micro buret cap. 10 ml	5 pcs.
35. Spayer for T.L.C.	5 pcs.
36. Analitical balance	1 pc.
37. Blender	1 pc.
38. Stop watch	1 pc.

3. <u>REAGENSIA & CHEMICALS :</u>	
1. Zn gracula (free from As)	250 gr.
2. Curoums paper	100 pcs.
3. Kongo Paper	100 pcs.
4. Brom Phenol Blue	50 gr.
5. Brom Phenol Blue	50 gr.
6. HCl p.a	5 l.
7. HNO ₃ p.a	5 l.
8. H ₂ SO ₄ p.a	5 l.
9. Benzine p.a	5 l.
10. n - Hexane p.a.	10 l.
11. Silikagel gips	10 kg.
12. Aceton	5 l.
13. Chloroform p.a.	5 l.
14. Pt. Chlorida	100 gr.
15. AgNO ₃	100 gr.
16. Florisil	50 gr.
17. Diphenyl thio Carbazone	500 gr.
18. Ethanol p.a.	5 l.
19. ethyl Acetate	2 l.
20. Potassium Iodide p.a.	1 kg.
21. Acidum Tartaricum	1 kg.
22. Petroleum ether p.a.	5 l.
23. Acid. Acetic Glaciale	5 l.
24. Stannous Chloride	500 gr.
25. Potassium Ferric Cyanide	500 gr.
26. Sulfanilamide	100 gr.
27. N - Butanol	1 l.
28. Sodium Nitrosum	500 gr.
29. Ammonia p.a.	5 l.
30. Par dimethy animo benzaldehyde	100 gr.
31. Methanol	5 l.
32. Sodium Bicarbonate	500 gr.
33. Sodium Phosphate dibasic	500 gr.
34. Potassium Phosphate monobasic	500 gr.
35. Mercuric nitrate	100 gr.
36. Vanilline	100 gr.
37. Amyl alcohol	3 l.
38. Potassium bisulfit	500 gr.
39. Pnoloroglucine	100 gr.
40. Wool Fibre	100 gr.
41. Acid Stearic	500 gr.
42. Urea	500gr.
43. Mercuric Chloride	500 gr.
44. Ammonium Molybdate	500 gr.
45. Cadmium Acetate	500 gr.

III. HEMATOLOGY :

A. Equipment .

1. Hemacytometer	6	pieces
2. Hemalyt Farnke $\frac{1}{2}$	3	pieces
3. Stopwatch	1	pieces
4. Blood Cell counter	3	pieces
5. Photo Electric absorbtimeter with green filter	1	pieces
6. Pipet Thoma 0,02 ml	20	pieces
7. Syringe, 2 cc, 10 cc, 20 cc	20	pieces
8. Table type low and medium speed centrifuge (Kokusai Model H.103)	1	pieces
9. Super-micro Hematocrit high speed centrifuge (Kokusai Model H.25)	1	piece
10. Atago Hemoglobinometer NEO		piece

B. Chemicals & Reagents.

1. Drabkin's Solution	-	
2. Brilliant Cresyl Blue	100	gr.
3. Sudan Black	100	gr.
4. Periodik Acid Schiff	100	gr.
5. Kristal Priodik Acid	100	gr.
6. SCHIFF Leucocyl Fuchsin (Fuchsin basic)	100	gr.
7. Counterstain. (Hematoxylin) Solution	1	kg.
8. Rh Factor		
- Anti D (Rh) saline test serum.		
- Anti D (Rh) Slide serum.		
9. Anti kuman globulin serum.		
10. Bovins Albumin 22 %	100	ml.
11. Pilot's deluting fluid	2	l.
(Pilot's Solution)		
12. Brilliant Cresyl blue for supra intalstoniy	10	gr.

VI. HYGIENE SANITASI :

A. Equipments

1. Distillation assembly all glass, including an adapter
with inter change - able ground-glass connexions either
standard taper or ball and socket joint's and with a flask
suitable size, usually 500 ml 12 sets.
2. Soxhlet extractor (Corniy No.3885 or equiyalent) :
 - a). 300 ml capacity 12 pcs
 - b). 100 ml capacity 12 pcs
3. Reflux apparatus : A 300 ml round-bottom flask
(Corniy No.4320) with ground-glass neck 24/40 and
a Friedesiaks condensor (Corniy No.2500) 12 sets
4. Incubation bottles 250 - 300 capacity with ground
glass stappers 12 pcs.
5. Air incubator water bath one the mostaticallycon
fralled at $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$ or $27^{\circ}\text{C} \pm 1^{\circ}\text{C}$ should be used 12 sets.
6. Conductivity :
 - a). Self-contained conductane instruments 1 sets.
 - b). Thermometer capable of beriy read to the nearest.....
0.1 C 1 sets.
 - c). Conductivity cell : Platinum-electrode, type 1 sets.
7. Thistle tube 12 pcs.
8. Gas Washing bottle 12 pcs.
9. a. Stopwatch 2 pcs.
- b. Stop clock 2 pcs.
- c. Interval timer 2 pcs.
- d. Timer 2 pcs.
10. Thermostatic-bath, range 10 to 120°C (accuracy 0.01°C) 1 pc

MALARIA ENTOMOLOGY

	Cat. No	Number
1. Insect net, frame, pocketable, new type (Shiga type) 36 cm, with nylon net.	Shiga 8	4
2. Insect net, bug, nylon, 36 cm	" 41	12
3. Insect net, rod, bamboo, of 5 rods in 1,155 cm	" 51 B	4
4. Aspirator, simple type, major type	" 91 A	4
5 " " , popular type	" 91	4
6 " , for mosquitoes	" 93	4
7. Killing bottle, L - size, 5 x 13 cm	" 162	40
8. Forceps, specimen, pointed, stainless, special type	" 210 I	4
9. Forceps, for pins, British type	" 212	4
10. Insect pins, with head, shiga, 100 p, No. 4	" 230	100
11. Insect pins, with head, shiga, 100 p, No. 1	" 230	10
12. Insect pins, with head, shiga, 100 p, No. 2	" 230	10
13. Insect ping, with head, shiga, 100 p, No. 3	" 230	10
14. Insect pins, with head, shiga, 100 p, No. 5	" 230	10
15. Minutens, shiga, 100 p	" 251	100
16. Block for minuten, white polyethylene fo foam 50 p	" 256	200
17. Scissors, surgical, separate type, round & pointed	" 295	4
18. Scissors, ophthalmology, special	" 299	4
19. Block, wooder, pinning specimen & label	" 409	4
20. Specimen box, pocket type, 13 x 9 cm	" 443	12
21. Cabinet with 50 specimen boxes of medium size, with bottom layer of white polyethylene foam	" ?	1

	Cat. No.	Number
22. Lense paper	Shiga 636	20
23. Cover glass, round, Matsunami no. 1 , 15 mm diam. 1,000 p	Rika 1301 B	4
24. Cover glass, round , Matsunami no. 1 , 18 mm diam, 1,000 p	" 1301 B	4
25. Slide glass, Matsunami, S 4,111 , 1,000 p	" 1302	12
26. Balsam bottle, without ring	" 1314	3
27. Stain bottle, white, 60 ml	" 1312	24
28. Rubber spoit for stain bottle	" ?	24
29. Screw vial, white, S - 1 (3 ml)	" 158	2,000
30. " " S - 2 (5 ml)	" 158	1,000
31. " " S - 3 (10 ml)	" 158	400
32. Lamp, alcohol, 90 ml	" 1084	4
33. Pipet, Komagome, polypropylene, 1 ml	" 691	40
34. rubber cup for the above pipet (spoit)	" 370	40
35. Wash bottle, polyethylene, 250 ml	" 670 - 1	20
36. Cup, plastic, for leisure, disposable, white	- -	100
37. bottle, i.e mouth, kalgen brand TPX 125 ml, 24 p	Rika 632	4
38. bottle, wide mouth, kalgen brand TPX 250 ml, 24 p	" 632	4
39. Bottle, wide mouth, kalgen brand, TPX 500 ml, 16 p	" 632	4
40. Bottle, wide mouth, kalgen brand TPX 1,000 ml, each	" 632	20

41. Dessiccator, 18 cm inside diam.
Nalgen brand Rika 641-0 10

SPECIAL EQUIPMEN

1. Sink, unit, A-III-1200 x 7750 x H 850, San'ei	code 53351	1
2. Cabinet, reagent, SA-12, L 1200 x W400 x H1800, Kaname	" 53370	2
3. Desk, experiment, unit, KR-F 150, L1500 x W750 x H800 Kebayashi-Rika	" 53348	2
4. Desk, experiment, unit, KR-F 120, L1200 x W750 x H800 Kebayashi-Rika	" 53348	2
5. Refrigerator, electric, 225 l, 220 V, 50 H2	Hitachi	1
6. Air conditioner, 4,280 Kcal/h, 220 V, 50 H2	"	2
7. Chair, rotary		6
8. Freezer, 460l, - 17° $\frac{V}{K}$ 27° C 220 V, 50 H2 & transf.	Asahi	1
9. Lyophilizer		1
10. Centrifuge, cold, with rotor 50 ml		1
11. Recorder, multipurpose		1
12. Wireless telecommunication system between Medan and the project area (ca 300 km)		1 set

HYGIENE SANITATION

For water examination		
Detecting instrument of various ions in water		2
For clinical chemistry		
Automatic analyzer of human serum Hb, Total protein, GOT, GPT etc.		1
For blood examination		
Centrifuge for Ht measurement		2
Heparinized capillary tube for Ht		10.000

MEDICAL CARE

- | | |
|--|---|
| 1. Magnetic stirrer | 5 |
| 2. Pipette washer | 4 |
| 3. Pure - water - making apparatus, D.W. | 1 |
| 4. CO2 Incubator | 1 |

ITEMS DROPPED FROM EQUIPMENT & MATERIAL FOR F.Y 78/79

- | | |
|--|--------|
| 1. PH meter | 2 |
| 2. Spectrophometer, 190 - 900 nm, with
Standard accessories, & special
accessories, (Double beam recorder,
10 mm absorbing cell, 10 mm absorbing
cell - glass, tungsten lamp, hydrogen
lamp d - 300 L, fuse 1.25 A, Fuse 3 A,
Record chart - 20 rolls, recorder penrotting, Recorder
inR - red) | 1 |
| 3. Ice jar, 3 1 | 2 |
| 4. Plastic net, white, mesh finer than
mosquito net | 1 roll |
| 5. WHO Adult mosquito Insecticide susceptibility
Test Kit | 10 |

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HEALTH LABORATORY.

1.	Incubator, 60x50x50cm inside dimensions	2
2.	Sterilizer, pipette, vinyl chloride, Ø 25cm x 160 cm	4
3.	Sterilizer, dry, heat.	2
4.	Autoclave, Tomy, S - GON.	1
5.	Rack, Test-tube, SS 16,5 x 50.	20
6.	" " SS 13 x 100.	30
7.	Voltex Mixer	2
8.	Dessicator, Plastic, A - 105	2
9.	Can, Sterilizing, pipette, copper, 60x30x400 cm	5
10.	Bottle, sample, 20 x 75 mm	10.000
11.	Burner, LPG	20
12.	Slide glass, white, polished.	5.000
13.	Coverglass, 18 x 18 mm.	5.000
14.	Petridish, plastic, sterilized, 90 mm.	5.000
15.	Pipette, pointed, 0,2 ml.	200
16.	" " " 1 ml.	5.000
17.	" " " 5 ml.	1.000
18.	" " " 10 ml.	1.000
19.	Test-tube, Ø 16,5 x 165 mm	2.000
20.	" " , Ø 13 x 100 mm } With the edge of mouth not reflexed	5.000
21.	Cop, for test-tube, stainless, Ø 13 mm	2.000
22.	" " "	1.000
23.	Box, feces.	10.000
24.	Glass bar for feces collection	10.000
25.	SS Agar culture medium (Eiken). 240 g.	20
26.	TCBS Agar culture medium (Eiken). 300 g.	40
27.	TSI agar culture medium (" "). 300 g.	20
28.	LIM Agar culture medium (Nissui) 200 g.	20
29.	SIM Agar culture medium (Eiken). 100 g.	20
30.	Tryptosoi agar culture medium (Eiken). 300 g.	20
31.	Agar for Bacteria (Eiken) 500 g.	5
32.	Carry-Blair Culture medium (Eiken) 100 g.	20
33.	Culture medium for Susceptibility test disk (Si- ken) 300 g.	10
34.	Tridisk (Eiken) Polimixin B	50
	Erythromycin	10
	Chloramphenicol	10
	Tetracyclin	10
	Kanamycin	10
	Sulphadimetoxin	10
	Aminobenzylpenicillium	10
	Methyl phenyl-Isoxazoril-penicillin	10
	Malidexic acid	10
	Cephallysine	10

	Kalbenicyllin	10
	Gentamycin	10
	Surbenicillin	10
	Zibekasin	10
35.	Minitex, Bekton-Dickinson, for intestinal floor	1 set.
36.	Serum for diagnosis of cholerae (Toshiba-chemical)	5 set.
37.	Serum for diagnosis of Salmonella, no.1 (25 bottles)	2 set.

LABORATORY - SUPPLEMENT.

1.	Electric Pan Balance, 200 g.	2
2.	Stabilizer, electric	5
3.	Camping set	1 set.
4.	Tyre, spare, for jeep wagon	4
5.	Portable tank for gasolin, plastic, 20 l.	4
6.	Microtiter kit	1 set.
7.	Cage, wire, stanless, square 30 x 30 x 30 cm	20
8.	Slide projector (for expert)	2
9.	Type-writer, electric, IBM	1
10.	Conductivity meter, portable	1
11.	Plastic sube, 25 cm long, 15 mm diametre thick wall	30
12.	Holding case, foto slide, 35 mm, fuji	10
13.	Slide lux, microscope, plastic, for 100 slides	50

EQUIPMENT FOR 3 LOCAL HEALTH CENTRES (IIDERUPURA, LIMA PLUS
SAN PEDRO DE RIAS) FOR FISCAL YEAR 1979/1980.

1.	Generator, 2 kw	3
2.	Microscope, compound, binocular, student, with understage mirror, 40 x, 100 x, 400 x, 1000 x.	3
3.	Centrifuge, table type, 4.000 RPM	3
4.	Water pump for well, family type	3

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LIST OF ATTENDANTS

Name :	Position :
<u>I. Indonesian side :</u>	
1. dr. R. Soebekti MPH	Director General of Community Health.
2. dr. Mangasa Siregar M.Comm.H.	Chief of Provincial Health Services.
3. dr. L.A. Lolong MPH	Chief of Planning and Programming Unit Dit.Gen. of Community Health.
4. dr. Kumara Rai MPH	Chief of Planning and Programming Unit Dit.Gen. of C.D.C.
5. dr. Suryadi Hadiprodjo	Staff of Directorate of Community Health Services, Dit.Gen.of Community Health.
6. dr. Hutagalung	Staff of Provincial Health Services.
7. drs. Ikrom A. Rifai	Staff of Foreign Affairs Division, MOH
8. drs. Sutaji	Staff of Planning and Programming Unit of Dit. Gen. of Medical Care.
9. drs. Sutrisno	Staff of Dit. of Health Laboratory, MOH
10. dr. Sutopo	Staff of Dit. of Hospital, MOH
11. Prijono Ashari B.Sc	Staff of Planning and Programming Unit, Dit. Gen. of Community Health.
<u>II. Japanese Side :</u>	
1. dr. A. Ishii	Expert in Parasitology
2. dr. M. Yasuno	Expert in Malaria
3. dr. K. Matsuno	Expert in Public Health
4. Dr. K. Tanaka	Acting Team Leader
5. Mr. K. Ichikawa	Embassy of Japan
6. Mr. K. Sato	JICA , Jakarta
7. dr. M. Kanamitsu	JICA Expert (Public Health).

BUDGET ALLOCATION FROM JICA 1979/1980

1. For general equipment about 65 million yen ^{*}) (about 195 million rupiahs).
2. For material supply about 35 million yen ^{*}) (about 105 million rupiahs)
3. Budget allocation for supplying materials for pre-fabricated local laboratory building is also requested.
4. Budget for consultants and fellowships are to be provided separately from above mentioned budget.

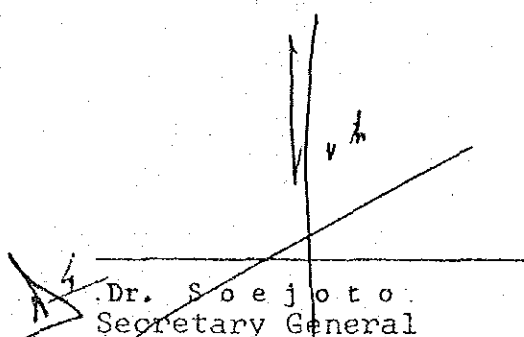
^{*}) Japanese team explained that the above figures do not mean any commitment and are subject to change according to the availability of the equipment and material in Japan

ADDITION TO
THE RECORD OF DISCUSSIONS ON
THE TECHNICAL COOPERATION FOR
THE PROMOTION OF HEALTH IN NORTH SUMATERA
WITH SPECIAL ATTENTION TO THE ASAHAN AREA


Mr. Moriya Miyamoto, Resident Representative of the Japan International Cooperation Agency in Indonesia had a series of talks with the authorities concerned of the Government of the Republic of Indonesia on the provision of special measures by the Government of Japan in the technical cooperation for the promotion of health in North Sumatera with special attention to the Asahan Area.

As a result of the talks, both sides agreed to recommend to their respective Governments to add the matters referred to in the document attached hereto to the Record of Discussions on the Technical Cooperation for the Promotion of Health in North Sumatera with special attention to the Asahan Area which was signed on October 10th, 1977 between the Japanese Implementation Survey Team organized by the Japan International Cooperation Agency and the authorities concerned of the Government of the Republic of Indonesia.

Jakarta, 19 September 1980.



Dr. Soejoto
Secretary General
Ministry of Health.



Moriya Miyamoto
Resident Representative
Japan International
Cooperation Agency,
Jakarta Office.

PROVISION OF SPECIAL MEASURES.

For fostering the smooth promotion of the project, in accordance with the laws and regulations in force in Japan, the Government of Japan will take necessary measures through JICA to supplement a portion of the local cost expenditures for the execution of the physical infrastructure such as construction work of drinking water supply facilities and so on when necessity arises.

PLAN OF OPERATION AND PLAN OF ACTION FOR THE PROMOTION
OF HEALTH IN NORTH SUMATRA WITH SPECIAL ATTENTION TO
THE ASAHAN AREA

I. PLAN OF OPERATION.

1.1. Forward.

The plan for Technical Cooperation Project on the promotion of health in the captioned area was realized under the Record of Discussions (The RD) mutually signed by respective of both parties Secretary-General, Ministry of Health and Head of Japanese Implementation Survey Team, Japan International Cooperation Agency (JICA).

Within the development activity in North Sumatra upon the cooperation with the Government of Japan, the Government of Indonesia will establish 2 main projects, i.e. Hydro Electric Power Project at Bandar Pulau District and the Aluminium Smelter Plant at Air Putih District, which are located at Asahan Regency, North Sumatra.

As the industrial development progress, a vast number of non-immune people will be expected to move in the area. A special emphasis should be placed on predicting and controlling the undesirable impacts on health and social conditions.

This health project is considered as a typical case of coping with health problems resulting from the industrial development made in rural area.

Considering the urgency of health control of the labours or the completion of the projects concerned, and the mutual influence between the labourer's health condition and the local inhabitants health, besides the "Company's Health Services" executed within the circle of the above mentioned project, it is necessary to step up the health condition of the people in the surroundings, which is hereinafter called as Asahan Health Project.

In view of the limited funds, the health improvement project in Asahan Regency has the priority at the surrounding area of Aluminium Smelter Project, i.e. at Air Putih District with two Districts at its surrounding, i.e. Lima Puluh District and Medang Deras District.

The population at these three districts is 134,133 persons (23,977 heads of family), consisting of 56 sub-districts/villages with 4 Health Centres.

1.2. Objectives

/ about

1.2. Objectives.

To promote and improve the health conditions of the communities within the project area through :

- 1.2.1. promoting communicable diseases control activities.
- 1.2.2. improving the health care delivery services.
- 1.2.3. improving health laboratory services.
- 1.2.4. promoting health education activities.
- 1.2.5. promoting other related health fields mutually agreed upon as necessary.

1.3. Activities.

Technical cooperation in :

- 1.3.1. Health laboratory services.
- 1.3.2. Planning, monitoring and surveillance.
- 1.3.3. Malaria Control programme.
- 1.3.4. Hygiene and Sanitation in relation to enteric diseases and parasitic diseases.
- 1.3.5. Tuberculosis control programme.
- 1.3.6. Immunization programme.
- 1.3.7. School Health programme.
- 1.3.8. Maternal and Child Health and Family Planning programme.
- 1.3.9. Out-patient care programme.
- 1.3.10 Health Education Programme.
- 1.3.11 Other related health fields mutually agreed upon as necessary.

1.4. Methodology.

1.4.1. The principle of the project implementation is the improvement of the existing health activities in the region concerned, with technical approach in line with the Indonesia Policy in each field.

1.4.2. Training activities for supporting the project in the field of health services and in the field of public health development.

1.4.3. The improvement of the project's recording and reporting system, so that the collected data could be utilized for project monitoring, evaluation, supervision and development.

1.4.4. The preparation of infrastructures, i.e. equipment, supplies/accessories and transport equipments.

1.5. Organization.

1.5.1. For the successful and smooth implementation of the project, a steering committee as an advisory board composed of the members from Indonesian and Japanese side will be established.

side will be established.

The committee's functions are :

- a. formulating plans for the project.
- b. reviewing the progress of the project.

/ the

The chairman of the committee is Director General of Community Health, Ministry of Health of the Republic of Indonesia.

/ the

The members of committee consist of the officials from Department of Health, the project manager and the team leader of Japanese experts. Officials of the Embassy of Japan, officials of JICA and other related persons recognized necessary by the chairman will be invited to attend the Committee Meeting.

The committee meeting will be held at least once every year before ending the fiscal year.

- 1.5.2. The Secretary of the Directorate General of Community Health will be appointed as liaison officer between JICA and the Steering Committee.

- 1.5.3. An administrative organization as a managing board under the steering committee will be established at the level of Province.

The managing Board consists of Project Manager as Head, Deputy Project Manager and Members.

The project Manager is to be responsible for the implementation of the project.

Deputy Project Manager and Members assist the Project Manager in the administrative and managerial matters pertaining to the project.

For the realization of the project at Asahan Regency and the respective districts concerned, a project officer and his staff will be appointed respectively.

- 1.5.4. The team leader appointed among Japanese experts should work in close relationship with the Project Manager for the implementation of the Project.

For this purpose the office of the team leader is to be attached to the Department of Health of North Sumatra Province.

- 1.5.5. A Japanese co-ordinator from JICA to be attached with the team of Japanese experts is desirable to stay in Medan assisting the Japanese team leader in the administrative matters pertaining to the project.

1.5.6. A secretary

1.5.6. A secretary provided by the Local Government is expected to be attached with the team leader of Japanese experts for secretarial works.

1.6. Experts.

The requisite service of Japanese experts will be provided by JICA upon the request of the Government of the Republic of Indonesia through the normal procedures under the Colombo plan technical cooperation scheme. The scope of work of the experts should be supportive to the programme formulated for Asahan Health Project in consultation with the project manager.

Japanese experts will give necessary technical guidance and advice to the Indonesian staff associated with the project pertaining to the implementation of the Project.

JICA will send experts according to the request list with priority order. It is understood and agreed, however, that in the case situations in Japan do not allow, the term and speciality may be reconsidered.

1.7. Equipment and materials.

1.7.1. In order to implement the project and to support the work of Japanese experts, JICA will send equipment and materials and so forth to the port of Medan. Domestic transportation, handling, installation, operation, maintenance and repairs will be borne by the Indonesian authorities concerned. According to the Record of Discussion, these equipment should be located, installed and utilized in close consultation with the Japanese experts and Project Manager. The list of those equipment which is not consumable, should be prepared for both Project Manager and Japanese team leader upon arrival during the project period for the proper use of them.

1.7.2. List of equipment and materials requested by the Indonesian authorities will be sent through the procedures under the Colombo plan technical cooperation scheme.

The following are understood and agreed by the Indonesian authorities and the Japanese team.

a. JICA will make effort to send equipment, materials and so forth according to the priority order given in the list.

b. In the case that some of the listed item could not be sent because of situation of JICA, those may be considered in the following year.

- c. Principally, the equipment and materials will be those which are obtainable in Japan and in the case, the listed item is not available in Japan, JICA will make effort to find equivalent.
- d. The equipment and materials for the laboratories, field work and office work to which specifications are not given in the attached list for the year 1978 will be given specifications and selected by Japanese experts and JICA.
- e. The consignee of the equipment and materials would be the Project Manager.
- f. Considering the local conditions of transportation, it is the most urgent matter to send vehicles for the implementation of the Project.

1.8. Fellowship.

Selected Indonesian staff associated with the project will be received for technical training in Japan upon request of the Government of the Republic of Indonesia through the normal procedures under the Colombo plan technical cooperation scheme.

Upon receiving the list of trainees with priority order, JICA will find suitable institutions for them.

However it is understood and agreed by Indonesian authorities that in the case situations in Japan do not fit, fellowship award may be reconsidered in the following years.

1.9. Miscellaneous.

1.9.1. According to the Record of Discussion, the Government of the Republic of Indonesia will take necessary measures to meet :

- a. Expenses for the internal travel-in Indonesia relevant to the project of the Japanese expert on duty, not including per diem.
- b. Expenses for the travel necessary for the team leader of Japanese experts attending the annual steering committee meeting, not including per diem.
- c. Expenses for chauffeured vehicles for the Japanese experts on duty.

1.9.2. As increase in number of electrical equipment in the provincial health laboratory in Medan is foreseen, the increase of electricity supply will be necessary to meet their installation.

It is desirable to increase the supply up to 50 KW for a time being.

- 1.9.3. To strengthen the function of Health centers and other related facilities in the districts concerned, improvement and upgrading of infrastructures such as electricity and water supply is essential.
- 1.9.4. Since space and infrastructures in the institutions of the Project area are not enough for this project, an urgent action to build up a laboratory besides an existing one will be very much necessary. This is to be pursued by the project itself to Japanese Government and Indonesian Government.
- 1.9.5. A complete list of population based on the latest census and maps showing the location of houses in the Project area should be prepared in 1978, since these are essential for carrying out the epidemiological surveillance.
- 1.9.6. For short-term experts, a house according to Indonesian standard will be provided by the Indonesian Government.

PLAN OF ACTION (FISCAL YEAR 1978-1979)

2.1. Activities

In order to assure maximum accomplishment, priority will be given to the following activities.

2.1.1. Health Laboratory Services

2.1.2. Planning, monitoring and surveillance.

2.1.3. Preparation of material and equipments for other activities mentioned in the plan of operation.

2.2. Organization

List of officers for the organization at provincial level and regency is attached in Annex : 1.

2.3. Experts

According to the priority of activities, Japanese Experts shown in Annex : 2 will be provided.

2.4. Equipment and materials

According to the priority, JICA will send equipment and materials as listed in Annex : 3.

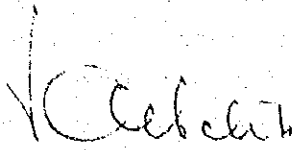
2.5. Fellowships

According to the priority, JICA will accept trainees as listed in the Annex : 4.

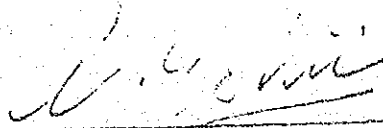
III. FINAL PROVISIONS.

- 3.1. The plan of action concerned covers the first year period only (1978/1979), while the programme for the next stage will be made in future.
- 3.2. This plan of operation and plan of action may be modified by mutual consent of both parties.

Signed at JAKARTA on
17th March 1978,



Dr. SOEBEKTI MPH
Director General of
Community Health,
Ministry of Health,
The Republic of Indonesia



Dr. AKIRA ISHII
Head of
Japanese Expert Team.

LIST OF OFFICERS FOR THE ORGANIZATION

1. At Provincial level :

- a. Project Manager : dr. Mangasa Siregar
Provincial Health Officer.
- b. Deputy Project Manager : dr. R. Tampubolon
Staff of Medical Care Directorate.
- c. Members : --dr. Hasan Siregar
Director of Medical Care.
 - dr. J. Hutagalung
Director of Communicable Disease Control.
 - dr. Aman Nasution
Chief of Health Planning Unit.
 - dr. Sudiranto
Director of Provincial Health Laboratory.
- d. Secretariat : Staff.

2. At Regency level

- a. Project Officer : Regency Health Officer.
- b. S t a f f : Head of the Health Centers (3)
- c. Secretariat : Staff.

LIST OF EXPERTS REQUESTED

I. Long term expert :

1. Medical (Malaria) entomologist
2. Laboratory specialist
3. Communicable disease control epidemiologist
4. Microbiologist

II. Short term expert :

1. Statistician (System analyst)
2. Sanitary engineer in rural water supply
3. Tuberculosis control programme specialist
4. Serologist
5. Malariologist
6. Parasitologist
7. Bacteriologist
8. Family planning specialist

LIST OF EQUIPMENT AND MATERIALS FOR THE FISCAL YEAR 1978/1979
ASAHAN HEALTH PROJECT

No.	Equipment and Materials	Unit	Quantity
I.	<u>Communicable Diseases Control</u>		
1.	Side glass	Piece	28,000
2.	Spray-can	Piece	40
3.	Hand-pump (well) Land operated pump	Piece	60
4.	Well-pipe, 3. inch, 6M	Bar	200
5.	Drilling rig	Set	6
6.	Water test kit	Kit	1
7.	Slide glass (for faeces)	Piece	13,000
8.	Kerosene refrigerator	Piece	3
9.	Iron pipe 1 1/4 inch a' 6M	Bar	370
10.	Stereoscopic Microscope	Set	2
11.	Thermos flask	Piece	9
12.	Cold box	Piece	3
II.	<u>COMMUNITY HEALTH</u>		
1.	IUD Set	Set	6
2.	AVA Set (for Asahan Regency)	Set	1
3.	Policlinic's Set	Set	6
4.	School Health Kit	Kit	13
5.	MCH Type "B" Kit	Kit	6
III.	<u>MEDICAL CARE</u>		
1.	Laboratory Equipment (JICA)	Set	1
2.	Chemicals	Kit	1
IV.	<u>VEHICLES</u>		
1.	4-Wheels Drive Car		
	- For Province	Piece	1
	- For Regency	Piece	1
	- For Health Centre (Pick-up, 4-wheel Drive) (for Indrapura)	Piece	1
	- For experts (4-wheel Drive Station - Wagon Jeep)	Piece	2
2.	Ambulans (for Kisaran)	Piece	1
V.	<u>DATA PROCESSING EQUIPMENT</u>	Set	1
VI.	<u>PLANNING UNIT EQUIPMENT</u>	Set	1

ANNEX : 4

LIST OF FELLOWSHIPS REQUESTED (year 1978-1979)

1. dr. R. Tampubolon MPH , Deputy Project Manager in Medan,
for Health Management.
2. dr. Sudiranto, Head of Provincial Laboratory Medan,
for Laboratory Management.
3. Mr. Wesly Pohan , staff in Malaria Control Program,
Directorate of CDC North Sumatera Province,
for entomology.
4. dr. R. Purba , staff laboratory service in Medan,
for Microbiology.
5. Drs. T.M. Situmorang , staff laboratory service in Medan,
for Chemistry.
6. Mr. Paimin Dasuki, staff laboratory service in Medan,
for serology.
7. dr. Sulaiman Lubis , Chief of the Regional Health Service
Asahan Kabupaten, Kisaran, for TB Control.
8. Mr. Sutikno BSc. , Sanitarian at Asahan , for Sanitary
Engineering.
9. dr. A. Hasan Siregar SKM , for Family Planning.

イボネ町医療協力
合意議事録正文



Stofmap Folio

EMMA DESIGNER SOCIETY

ON THE RECORD OF DISCUSSIONS BETWEEN THE JAPANESE
IMPLEMENTATION SURVEY TEAM AND THE AUTHORITIES
CONCERNED OF THE REPUBLIC OF INDONESIA ON THE TECHNICAL
COOPERATION IN THE FIELD OF THE CONTROL OF BIOLOGICAL
PRODUCTS AND VIRUS DIAGNOSIS.

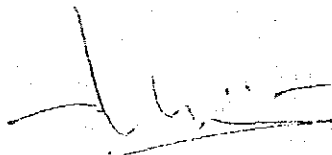
The Japan International Cooperation Agency (J.I.C.A.) organized an implementation survey team (hereinafter to be referred to as the team), headed by Dr. Ryosuke Murata, Director of the second department of Bacteriology, National Institute of Health of Japan, which visited the Republic of Indonesia from 28 February to 15 March 1975 for the purpose of working out the details of the cooperation project in the field of laboratory works associated with public health services in Indonesia.

The team exchanged views with the authorities concerned of the Republic of Indonesia concerning the desirable measures to be undertaken by the two governments to realize the said project. As a result of the survey and discussions the two parties agreed to recommend to their respective governments to carry out the matters referred to in the Record of Discussions attached herewith concerning the technical cooperation project in specified fields of laboratory works associated with public health services.

J a k a r t a , 13 March, 1975.-



Dr. Ryosuke Murata
Head of the Japanese
Implementation Survey Team
Japan International
Cooperation Agency.-



Djaka Sutadiwiria
Secretary General
Ministry of Health
the Government of
the Republic of Indonesia.-

1. Background :

Recognizing that the improvement of laboratory works associated with public health services, above all, the strengthening of the control and production laboratories of biological products as well as of the virus diagnostic laboratory under the Ministry of Health of Indonesia, is important for the improvement of the welfare of people in the Republic of Indonesia, the Government of Japan and the Government of the Republic of Indonesia will jointly carry out the Cooperation Project on the vaccine and virus laboratories in the Republic of Indonesia (hereinafter to be referred to as the Project).

2. The outline of the Project :

(1) Cooperation in the improvement of the control of biological products in the Centre for Biomedical Research, the National Institute of Health Research and Development (formerly the National Institute of Medical Research) Jakarta, and in the improvement of the production of a biological product in Perusahaan Negara "Bio Farma", Bandung.

(2) Cooperation in the strengthening of the activities in diagnostic virology in the Centre for Biomedical Research, the National Institute of Health Research and Development (formerly the National Institute of Medical Research), Jakarta.

3. (1) In accordance with laws and regulations in force in Japan the Government of Japan will take necessary measures to provide, at its own expense, the requisite services of Japanese experts including those for installation of equipments according to Annex I for efficient implementation of the project upon the request of the Government of the Republic of Indonesia through the normal procedures under the Colombo Plan technical cooperation scheme (Application Form A1).

(2) The Government of the Republic of Indonesia undertakes to grant to the Japanese experts and their families immunity and privileges no less favourable than those granted to foreign experts working in the field of bilateral technical cooperation in the Republic of Indonesia.

4. (1) In accordance with laws and regulations in force in Japan the Government of Japan will take necessary measures to provide, at its own expense, the necessary equipments and materials as listed in Annex II for the successful implementation of the Project upon the request of the Government of the Republic of Indonesia through the normal procedure under the Colombo Plan technical cooperation scheme (Application Form A4).

(2) The equipments and materials referred to above will become the property of the Government of the Republic of Indonesia upon their c.i.f. deliveries at the port of disembarkation to the Government of the Republic of Indonesia.

(3) Responsibility of the maintenance of the equipments and materials will be taken by the Government of the Republic of Indonesia for the efficient performances of the Project.

(4) Within the terms of this Record of Discussions, the Government of the Republic of Indonesia undertakes to exempt the equipments and materials which are granted by the Government of Japan for the requirement upon the implementation of the Project from any customs, taxes and other charges on import.

5. In accordance with laws and regulations in force in Japan, the Government of Japan will take necessary measures to receive, at its own expense, Indonesian Staff engaged in the Project, excluding the technical cooperation on "Bio Farma", for the seminars and training courses in Japan according to Annex III through the normal procedures under the Colombo Plan technical cooperation scheme (Application Form A2 , A3).

6. Within the Republic of Indonesia, the Government of the Republic of Indonesia will undertake to meet the expenses necessary for the transportation of the equipments and materials as well as for their installation, operation, maintenance and other running expenses necessary for the implementation of the Project.

7. Japanese experts will give technical guidance and advice to Indonesian Staff engaged in the Project, pertaining to the implementation of the Project, and the Indonesian authorities concerned will be responsible for the administrative and managerial matters pertaining to the Project. There will be a close cooperation in the implementation of the Project between the Japanese experts and the Indonesian authorities concerned.

8. The two Governments will consult with each other from time to time to ensure the successful implementation of the Project.

9. The duration of the Japanese cooperation will commence from 1975 Japanese fiscal year for five years.

PROGRAMMES OF THE JAPANESE CONSULTANTS SERVICES

1. Three consultants related to the control of the Biological Products of Centre for Biomedical Research.
 - Assay of General Biological Products..... 1.
 - Laboratory animal science..... 1.
 - Assay of BCG vaccine..... 1.

2. Two consultants related to the virus laboratory of Centre for Biomedical Research.
 - Enterovirus..... 1.
 - General diagnostic virology..... 1.

3. One consultant related to BCG production of Bio Farma. Other technicians to set-up the equipments should be sent by the Government of Japan if necessary.

Above mentioned programmes will be changable by the mutual discussions between the Government of the Republic of Indonesia and the Government of Japan if necessary from time to time for the efficient implementation of the Project.-

J a k a r t a, 13 March, 1975.-

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ANNEX II.

LIST OF EQUIPMENTS AND MATERIALS

ON THE CONTROL LABORATORY OF BIOLOGICAL PRODUCTS.

<u>N A M E</u>	<u>TOTAL</u>
Air conditioner (small).	7.
Air conditioner (large).	3.
U.V. lamp.	10.
Lamina flow cabinet.	2.
Vehicle for field study.	1.
Vehicle for transportation of animal.	1.
Refrigerator.	3.
Ultra-low temperature cabinet.	1.
Electrophoresis kit.	1.
Spectrophotometer (Coleman Jr. type).	1.
Analytical balance.	1.
Ultrasonic disintegrator.	1.
Phase-contrast microscope.	1.
Electronic bacterial counter.	1.
Centrifuge (stainless tube).	1.
Automatic fraction collector.	1.
Seitz filter.	1.
Cage for mouse (small size).	735.
Cage for mouse (large size).	50.
Cage for rabbit.	153.
Cage for dog.	10.
Cage for monkey.	24.
Rack for mouse	24.
Rack for guinea pig.	12.
Rack for rabbit.	16.
Rack for monkey.	4.
Drinking bottle (150 ml).	500.
Drinking bottle (250 ml).	500.
Drinking bottle (500 ml) with holder.	300.
Drinking bottle for monkey with holder.	24.
Pellet hopper of mouse cage.	100.
Pellet hopper of guinea pig cage.	50.
Pellet hopper of rabbit cage.	50.
Crid floor of guinea pig cage.	156.
Crid floor of rabbit cage.	153.
Cage for Guinea pig.	156.

<u>N A M E</u>	<u>TOTAL</u>
Ear punch (small size).	2.
Ear punch (large size).	2.
Balance for guinea pig.	1.
Balance for mouse.	2.
Balance for rabbit.	1.
Restraining apparatus for rabbit (Kitajima type).	5.
Restraining apparatus for rabbit (Oshida type).	2.
Operation board for mouse and guinea pig.	10.
Hair clipper with vacuum cleaner.	1.
Food container.	4.
Laboratory cart.	15.
Wagon.	2.
Cart for water bottle.	2.
Step with casters.	2.
Lethal chamber.	2.
Thermo hygrometer.	2.
Exhauster.	10.
Kit for pyrogen test.	1.
Autoclave.	2.
Incinerator.	1.
Pelleting machine.	1.
Classwares.	
Chemicals.	
Miscellaneous.	

- ON THE VIRUS LABORATORY.

Ultra-low temperature cabinet.	3.
Ultracentrifuge.	1.
Refrigerator.	5.
Freezer (-20 C).	4.
Autoclave (electric, horizontal).	1.
Autoclave (small size).	5.
Incubator (medium size).	5.
CO ₂ Incubator (medium size).	2.
Microscope (binocular).	1.
Dissecting microscope.	3.
Inverted microscope.	2.
Ultrasonic disintegrator.	1.
Lyophilizer (medium size).	1.
Homogenizer.	2.

<u>Y</u>	<u>TOTAL</u>
Lamina flow cabinet	2.
Remineralizer	2.
Water still	2.
Millipore filter (medium size)	1.
Millipore filter (small size)	2.
Water bath (medium size)	4.
Water bath (small size)	2.
Pipetter washer with dryer	2.
Spectrophotometer (Coleman Jr. type)	1.
Balance (electric)	2.
Stabilizer (1 Kw)	5.
Microtome	1.
Vacuum pump	3.
Vibrator for microtiter plate	2.
Test tube washer with brush	1.
Ice machine	1.
Ph meter	2.
Vehicle	1.
Air conditioner (small)	15.
Glasswares	
Chemicals	
Miscellaneous	

ON THE PRODUCTION OF BCG VACCINE

DESCRIPTION OF GOODS

Automatic sealing apparatus 1.

The kind and number of the equipments mentioned above will be changeable by the mutual discussions between the Government of the Republic of Indonesia and the Government of Japan if necessary from time to time for the efficient implementation of the Project.

J a k a r t a, 13 March, 1975.--

ANNEX III.

PROGRAMMES OF FELLOWSHIPS IN JAPAN
FOR INDONESIAN STAFF ENGAGED IN THE PROJECT.

1. Seven fellowships related to the control of the biological products.
 - Administrative Control of the biological products.....2
 - General assay of the biological products.....1
 - Toxinology.....1
 - Laboratory animal science.....1
 - Standard preparations.....1
 - Antibiotics.....1

2. Six fellowships related to the virus laboratory.
 - General diagnostic virology.....2
 - Enterovirus.....1
 - Influenza.....1
 - Rickettsia.....1
 - Herpes and Measles.....1

Above mentioned programmes will be changable by the mutual discussions between the Government of the Republic of Indonesia and the Government of Japan if necessary from time to time for the efficient implementation of the project.-

J a k a r t a, 13 March, 1975.-

NOTES OF THE MEETING REGARDING
FOLLOW-UP COOPERATION PROGRAM FOR THE CONTROL OF
BIOLOGICAL PRODUCTS AND VIRUS DIAGNOSIS (C.B.R.)

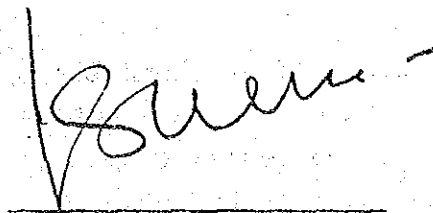
The Japanese Evaluation Survey Team (hereinafter referred to as the Team) organized by the Japan International Cooperation Agency and headed by Dr Ryosuke Murata, Deputy Director General, National Institute of Health, visited the Republic of Indonesia from February 18 to February 29, 1980 for the purpose of working out the details of the follow-up program concerning the Control of Biological Products and Virus Diagnosis Project in the Republic of Indonesia (hereinafter referred to as "the Project")

The Project has been successfully undertaken for the year 1975-1980 and the Japanese Government agreed to extend the Project from April 1, 1980 for two (2) years.

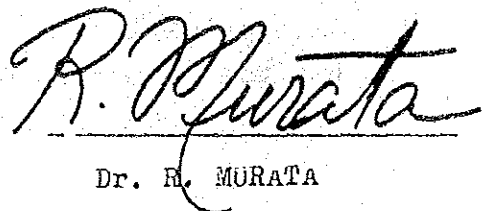
During its stay in the Republic of Indonesia, The Team had a series of discussions with the Indonesian authorities concerned in respect of the detailed measures for the successful implementation of the above-mentioned follow-up program.

As a result of the discussions, the Team and the Indonesian authorities concerned agreed the matters referred to in the document attached hereto.

Jakarta, 25 February 1980



DR. ISKAK KOIMAN



Dr. R. MURATA

ATTACHED DOCUMENT.

Our collaborative endeavour for the past five years proved to be substantially beneficial from the standpoint of the improvement of the control of biological products (OTA 11) and the strengthening of the activities in diagnostic virology (OTA 17) in the Centre for Biomedical Research.

Further collaborative researches for next two years will be conducted on emphasis of the following themes.

FOLLOW - UP COOPERATION PROGRAM FOR OTA 11.

1. Basic studies on the standardization of DPT vaccine by using animals produced in Indonesia.
 - a. Standardization of the first National Standards for diphtheria and tetanus toxoids by using animals produced in the Centre
 - b. To train the staff B. S. section in producing D.T. Toxoid.
 - c. Studies on the toxicity of DPT Vaccine which will be used for E.P.I. by determination of the contents of LPF, HSF and endotoxin
 - d. Further improvement of the breeding of experimental animals.
2. Study on efficacy of DPT vaccine by titration of antibodies of the vaccinees.
3. Epidemiological study of whooping cough in Indonesia, in order to know the disease reduction among those vaccinated children by isolation and identification of pertussis bacilli.

FOLLOW - UP COOPERATION PROGRAM FOR OTA 17.

The first priority will be given to further development of the functions of Virology Section as the reference virus diagnostic laboratory in supporting the communicable disease control program.

1. Enterovirus studies.
 - a. Laboratory diagnosis of paralytic polio.
 - b. Analysis and evaluation of the results of vaccination against polio.
 - c. Laboratory diagnosis of the diseases caused by enteroviruses other than polioviruses.

2. Laboratory diagnosis of viral respiratory diseases
 - a. Facilitation of the activity of Virology Section as a WHO National Influenza Centre.
 - b. Diagnosis of viral respiratory diseases caused by viruses other than influenza viruses.
3. Studies on arboviruses
 - a. Epidemiology of arbovirus infections.
 - b. Diagnosis of encephalitis caused by arbovirus.
4. Studies on gastroenteritis caused by viruses.
5. Diagnosis of virus diseases other than those mentioned above

In order to carry out the above mentioned collaborative researches.

- a. Japanese experts will be dispatched (A1 Form).
- b. Counterpart personnel will be accepted for training in Japan (A2, A3 Form) and
- c. Equipments and other materials necessary for successful implementation of the Project will be provided (A4 Form) upon the request of the Indonesian Government.

In the course of discussions, the following comments and requests were made by the Team;

- a. Security of additional rooms for animals, especially for guinea pigs and rabbits.
- b. Security of additional rooms for biological standardization, especially for incubator, sterilization, lyophilization and ice preparing.
- c. Improvement of water supply
- d. Preservation of chemicals in adequate conditions.
- e. Adequate installation and efficient use of equipments.
- f. Adequate increase in manpower at the Center for Biomedical Research.

LIST OF GLASSWARE FOR 1980
O.T.A. II

No.	I t e m	Number
1.	Glass container 20 l with pat	10 pcs
2.	Rack for test tube 12 x 15 cm	20 pcs
	4 x 10 cm	20 pcs
	10 x 10 cm	20 pcs
	2 x 10 cm	20 pcs
3.	Ampoul for lyophilization 1 ml	2000 pcs
	5 ml	2000 pcs
4.	Mixer	2 pcs
5.	Stirrer	2 pcs
6.	Micropipette 10 μl heparinized	20 pcs
	20 μl "	20 pcs
	50 μl "	50 pcs
	100 μl "	50 pcs
7.	Flask 5 l	10 pcs
	10 l	10 pcs
8.	Small vinyl tubes for centrifugation	2000 pcs
9.	Microplates, u bottom, cook,	5000 pcs
10.	Erlenmeyer 100 ml	100 pcs
	200 ml	100 pcs
	2 ml	50 pcs
11.	Seitz filter (cap for 2 l)	2 pcs
12.	Micro diluter 0,025 ml, 0,05 ml each	114 pcs
13.	Excell pipette 25 μl - 250 μl	3 pcs
14.	Test tube for centrifugation with measurement 50 ml	50 pcs
15.	Plastic container 10 l with cap	10 pcs
16.	Ice box (fishing box)	10 pcs
17.	Long pinset, 26 cm *	5 pcs
18.	Beaker glass 100 ml, 50 ml, each	100 pcs
19.	Bottle for medium 300 ml, 500 ml each	50 pcs
20.	Tray stainless steel (medium size)	10 pcs
21.	Timer with bell	5 pcs
22.	Stop watch	3 pcs
23.	Foto copy machine	1 pcs
24.	Round flask, flat bottom with rubber stopper 2 l, 5 l each	10 pcs

Nov.	Item	Number
25.	Water pump for sucking (medium)	2 pcs
26.	Cell kit	3 sets
27.	Parafilm	100 rolls
28.	Aluminium foil	100 rolls
29.	Valhena solution	5 boxes
30.	Standard pH solution, pH 6.85 and pH 4.01 500 ml each	3 bottles
31.	Histamin dihydrochloride	10 bottles
32.	Heparin sodium salt (165 unit/mg)	10 bottles
33.	Albumin fraction V	10 bottles
34.	Charcoal activated, granular, special	5 bottles
35.	$\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$	5 bottles
36.	$\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$	2 bottles
37.	Poly pepton	10 bottles
38.	Difco Agar	10 bottles
39.	Silica gel	20 bottles
40.	Paper with paraffin 54 Kg	5000 pcs
41.	Pasteur pipette with rubber (ϕ 20 mm) length 23 cm	500 pcs

-	Collum (small size)	2
-	D E A E Cellulose	2 btl.
-	Shepadex G 200	2 btl.
-	" G 50	2 btl.

List of supplies(chemical & glassware stuff) needed for OPA-11

Item	Description	Qty
1. Noble agar	1 pound	1 bottles
2. MEM	with phenol red, 100 gm	20 bottles
3. MEM	without phenol red, 100 gm	3 bottles
4. Trypsine	Difco 250, 25 grams	4 bottles
5. Glutamine	100 gras	1 bottles
6. Foetal Calf sera	100 ml	10 bottles
7. Tubes for faecal specimen		2000 tubes
8. Sodium Bicarbonate	500 gm	1 bottles
9. Penicillin G	2×10^5 units	150 fl.con
10. Streptomycine sulfate	1 gm	10 bottles
11. Aethyl alcohol	500 gm	5
12. Hemosol	5 pound	10 bottles
13. Para film		5 rolls
14. Stainlesssteel basket		10
15. DEAE Dextrah	100 gm	1
16. Millipore filter	ϕ 47 mm, 0,3 μ (PHWP 04700)	100 pieces
17. Millipore filter	ϕ 142 mm, 0,3 μ (PHWPI4250)	50 pieces
18. Pre filter	ϕ 42mm (AP 2004200)	100 pieces
19. Pre filter	ϕ 124 mm (AP 25 12450)	50 pieces
20. Wheaton tubes		500 tubes
21. Pipettes	1 ml	200 pieces
	2 ml	100 pieces
	5 ml	100 pieces
	10 ml	100 pieces
	20 ml	50 pieces
22. RPHA	Hepatitis test kit	1 kit
23. Tissue Culture tubes		1000 tubes
24. Rubber stopper	for roller tubes #2	1000
25. Small test tubes		2000
26. Rubber stopper	# 0	2000
	# 8	200
27. Magnetic barr	big	10
	medium	10
28. Pro pipettes		15
29. DMSO	500 gm	1 bottle
30. Steel cabinet		3
31. Sucking pump	for millipore filtration	2

32. Stepdown transformer	220 Vlt - 100 Vlt	
	15 Amp	4 pieces
	20 Amp	2 pieces
	7,5 Amp	1 piece
	2 Amp	2 pieces
33. Stabilizer 100 Vlt	2 Amp	1
	0,1 Amp	2
	1 Amp	1
34. Diluter 0,025 ml		30
35. Diluter 0,050 ml		25
36. Dropper 0,025 ml		30
37. Dropper 0,050 ml		25
38. Polyaehtyleen glycol	250 grm	4
39. Defflon S-3	1 lb.	10 bottle.
40. Thermometer-Thermoregulator		2 pieces.
	with sensitivy : 0.01°C	
	range:0-100°C, for waterbath.	

THE RECORD OF DISCUSSIONS BETWEEN
THE JAPANESE IMPLEMENTATION SURVEY TEAM
A N D
THE AUTHORITIES CONCERNED OF
THE GOVERNMENT OF THE REPUBLIC OF INDONESIA
O N
THE JAPANESE TECHNICAL COOPERATION FOR
THE NURSING EDUCATION PROJECT

The Japanese Implementation Survey Team (hereinafter referred to as "the Team") organized by the Japan International Cooperation Agency (hereinafter referred to as JICA) and headed by Professor Haruo Katsunuma, Vice President of Kyorin University and Professor Emeritus of the University of Tokyo, visited the Republic of Indonesia from October 22nd to November 3rd, 1978 for the purpose of working out the details of the technical cooperation program concerning the Nursing Education Project in the Republic of Indonesia.

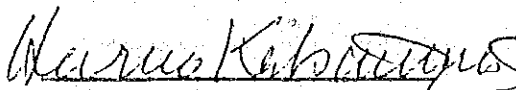
During its stay in the Republic of Indonesia, the Team exchanged views and had a series of discussions with the Indonesian authorities concerned in respect of the desirable measures to be taken by both Governments for the successful implementation of the above-mentioned Project.

As a result ...

As a result of the discussions, the Team and the Indonesian authorities concerned agreed to recommend to their respective Governments the matters referred to in the document attached hereto.

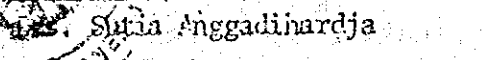
November 3, 1978.

Jakarta, Indonesia.



Professor Haruo Katsumura
Head of the Japanese
Implementation Survey Team




Sula Anggadihardja
On behalf of Secretary General,
Acting Director of the Center
for Education and Training
Ministry of Health.

THE ATTACHED DOCUMENT

I. COOPERATION BETWEEN BOTH GOVERNMENTS

1. The Government of Japan and the Government of the Republic of Indonesia will cooperate with each other in implementing the Nursing Education Project (hereinafter referred to as "the Project") for the purpose of the development of nursing education in the Republic of Indonesia.
2. The Project will be implemented in accordance with the Master Plan which is given in Annex I.

II. DISPATCH OF JAPANESE EXPERTS

1. In accordance with the laws and regulations in force in Japan, the Government of Japan will take necessary measures through JICA to provide at its own expense services of the Japanese experts as listed in Annex II through the normal procedures under Colombo Plan Technical Cooperation Scheme.
2. The Japanese experts referred to in 1. above and their dependants will be granted in the Republic of Indonesia the privileges, exemptions and benefits no less favourable than those accorded to experts of third countries assigned in the Republic of Indonesia under the Colombo Plan Technical Cooperation Scheme, and will include the following :

- (1) Exemption from income tax and charges of any kind imposed on or in connection with project salary and allowance remitted from the Government of Japan;
- (2) Exemption from import and export duties and any other charges imposed in respect of personal and household effects which may be brought into from abroad or taken out of the Republic of Indonesia;
- (3) Exemption from import tax, import sales tax, sales tax, and other taxes imposed on or in connection with the purchase in the Republic of Indonesia by the Japanese Experts of one motor vehicle per each expert; and
- (4) Free medical services and facilities to the Japanese Experts and their dependants in government dispensaries and hospitals.

III. PROVISION OF MACHINERY AND EQUIPMENT

1. In accordance with the laws and regulations in force in Japan, the Government of Japan will take necessary measures through JICA to provide at its own expense such machinery, equipment and other materials necessary for the implementation of the Project as listed in Annex III, through the normal procedures under the Colombo Plan Technical Cooperation Scheme.
2. The articles referred to in 1 above will become the property of the Government of the Republic of Indonesia upon being delivered c.i.f. to the Indonesian authorities concerned at the ports and/or airports of disembarkation, and will be utilized exclusively for the implementation of the Project in consultation with the Japanese experts referred to in Annex II.

IV. TRAINING OF INDONESIAN PERSONNEL IN JAPAN

1. In accordance with the laws and regulations in force in Japan,

the Government of Japan will take necessary measures through JICA to receive at its own expense the Indonesian personnel connected with the Project for technical training in Japan through the normal procedures under the Colombo Plan Technical Cooperation Scheme.

2. The Government of the Republic of Indonesia will take necessary measures to ensure that the knowledge and experience acquired by the Indonesian personnel from technical training in Japan will be utilized effectively for the implementation of the Project.

V. MEASURES TO BE TAKEN BY THE GOVERNMENT OF THE REPUBLIC OF INDONESIA

1. In accordance with the laws and regulations in force in the Republic of Indonesia, the Government of the Republic of Indonesia will take necessary measures to provide at its own expense:
 - (1) Services of the Indonesian counterpart personnel and administrative personnel as listed in Annex IV ;
 - (2) Existing Land, buildings and facilities as listed in Annex V ;
 - (3) Supply or replacement of machinery, equipment, instrument, vehicles, tools, spare parts and any other materials necessary for the implementation of the Project other than those provided through JICA under III above ;
 - (4) Transportation facilities and travel allowance for the Japanese experts for the official travel within the Republic of Indonesia;
 - (5) Furnished existing accommodations for the Japanese experts and their dependants.

2. In accordance with the laws and regulations in force in the Republic of Indonesia, the Government of the Republic of Indonesia will take necessary measures to meet:

- (1) Expenses necessary for the transportation within the Republic of Indonesia of the articles referred to in III above as well as for the installation, operation and maintenance thereof;
- (2) Customs duties, internal taxes and any other charges, imposed in the Republic of Indonesia on the articles referred to in III above ;
- (3) All running expenses necessary for the implementation of the Project.

VI. ADMINISTRATION OF THE PROJECT

1. The Japanese experts will give necessary technical guidance and advice to Indonesian staff associated with the Project pertaining to the implementation of the Project, and the Indonesian authorities concerned will be responsible for the administrative and managerial matters pertaining to the Project.
2. For the successful implementation of the Project, the Joint Committee will be established with the members as listed in Annex VI.

VII. CLAIMS AGAINST JAPANESE EXPERTS

The Government of the Republic of Indonesia under-takes to bear claims, if any arises, against the Japanese experts engaged in the Project resulting from, occurring in the course of, or otherwise connected with the discharge of their official functions in the Republic of Indonesia except for those arising from the willful misconduct or gross negligence of the Japanese experts.

VIII. MUTUAL CONSULTATION

There will be mutual consultation between the two Governments on any major issues arising from, or in connection with this Attached Document.

IX. TERM OF COOPERATION

The duration of the technical cooperation for the Project under this Attached Document will be five years from November³, 1978.

ANNEX I

MASTER PLAN

The Government of Japan will cooperate with the Government of the Republic of Indonesia in carrying out the Nursing Education Project with particular reference to the training of teaching staff in nursing education through dispatch of Japanese experts, acceptance of Indonesian personnel for training in Japan and provision of equipment.

The Project is intended to take up the following activities for the further development of the total nursing education system in the Republic of Indonesia.

- (1). Improvement of curriculum for nursing education.
- (2). Improvement of teaching methodology for nursing education.
- (3). Improvement of other fields of nursing education mutually agreed upon as necessary.

ANNEX II

JAPANESE EXPERTS

1. Expert in nursing education (general)
2. Expert in clinical nursing
3. Expert in public health nursing
4. Expert in education media preparing
5. Expert in nursing school administration
6. Other experts mutually agreed upon as necessary.

Note : One of the experts will be nominated as Team Leader.

LIST OF ARTICLES

Machinery, equipments, vehicles and other materials for the nursing education.

ANNEX IV

LIST OF INDOONESIAN STAFF

1. Project Director (Director of the Center for Education and Training, Ministry of Health).
2. Project Manager.
3. Counterpart personnel to the experts.
4. Clerical and service personnel such as typists, clerks, drivers, etc.
5. Other personnel mutually agreed as necessary.

ANNEX V

LIST OF LAND, BUILDINGS AND FACILITIES

The Government of the Republic of Indonesia offers existing land, buildings and facilities enough to the Project.

COMPOSITION OF THE JOINT COMMITTEE

Chairman : Project Director

Indonesian side	Japanese side
1. Project Manager	1. Team Leader
2. Counterparts	2. Experts
3. Other personnel appointed by the chairman.	3. Representative of Japan International Cooperation Agency.

Note :

Official of the Embassy of Japan may attend the
Joint Committee as observer.

The Japanese Implementation Survey Team and The Acting Director of the Center for Education and Training, Ministry of Health of the Republic of Indonesia have jointly formulated, with reference to the attached document of the Record of Discussions between the Japanese Implementation Survey Team and the authorities concerned of the Government of the Republic of Indonesia on the Technical Cooperation of the Nursing Education Project, the tentative schedule of the Project as annexed hereto.

November 3, 1978

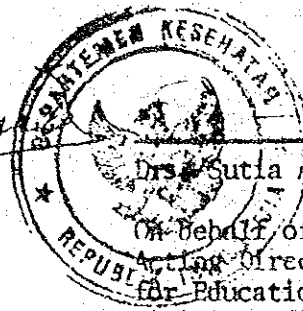
Jakarta, Indonesia

Haruo Katsunuma

Professor Haruo Katsunuma

Head of the Japanese

Implementation Survey Team



Sutia Anggadihadja

On behalf of Secretary General,
Acting Director of the Center
for Education and Training
Ministry of Health

ANNEX : TENTATIVELY ESTIMATED SCALE OF THE PROJECT

Number of the Japanese Expert	about 180 Man/month
Number of Indonesian Personnel for training in Japan	about 114 Man/month
Amount of Machinery, equipment and other materials (C.I.F. Jakarta)	about 200 million Yen
Total Amount	about 400 million Yen

N o t e : This schedule and this tentative estimated scale of the Project are subject to conditions that necessary budget will be acquired for the implementation of the Project.

Contents of the schedule and figures of the tentatively estimated scale of the Project are subject to change within the scope of the Master Plan of the said Attached Document Annex I.

TENTATIVE SCHEDULE

UNIT : million yen

fiscal year	1978	1979	1980	1981	1982	1983
Dispatch of Japanese expert		12 Mx1	12Mx1	12 Mx1	12 Mx1	6 Mx1
Expert in nursing education (general)		12Mx2 or 6 Mx4	12 Mx1 or 6 Mx2	12 Mx2 or 6 Mx4	12 Mx2 or 6 Mx4	6 Mx2
clinical nursing / Public health nursing						
education media preparing			12Mx1	3 Mx1	3 Mx1	
others			12 Mx1			
Training of Indonesian Personnel related to nursing education						
clinical nursing / Public health nursing		12 Mx2	12 Mx2	12 Mx2	12 Mx2	
education media preparing		6 Mx1		6 Mx1		
others			3 Mx2			
Provision of machinery, equipment and other materials						
Cost		40.	40.	40.	40.	200

SUPPLEMENTARY NOTE ON THE RECORD OF DISCUSSIONS
BETWEEN THE JAPANESE IMPLEMENTATION SURVEY TEAM
AND THE AUTHORITIES CONCERNED OF THE GOVERNMENT
OF THE REPUBLIC OF INDONESIA ON THE TECHNICAL
COOPERATION FOR THE NURSING EDUCATION PROJECT

The Japanese Cooperation Planning Survey Team (hereinafter referred to as "the Team") organized by the Japan International Cooperation Agency (hereinafter referred to as JICA) had a series of talks with the authorities concerned of the Government of the Republic of Indonesia.

As a result of the talks, the Team and the Indonesian authorities concerned agreed to recommend to their respective Governments to add the matters referred to in the document attached hereto to the Record of Discussions between the Japanese Implementation Survey Team and the authorities concerned of the Government of the Republic of Indonesia on the Technical Cooperation for the Nursing Education Project signed on 3rd of November, 1978.



Handwritten signature of Dr. H. Herman Soesilo

S. Nagano

SADA NAGANO
Team Leader,
Japanese Cooperation Planning
Survey Team,
JICA

Jakarta, May 28th, 1979
Dr. H. HERMAN SOESILO M.D., M.P.H.
Director,
Education and Training Centre,
Ministry of Health

X. PROVISION OF SPECIAL MEASURES

1. For fostering the smooth promotion of the Project, in accordance with the laws and regulations in force in Japan, the Government of Japan will take necessary measures through JICA to finance a part of the following expenditures within the Republic of Indonesia :

- (1) Expenditures for making teaching materials;
- (2) Travel allowance of training tour;
- (3) Travel allowance of field training for instructors and trainees;
- (4) Special instructors' fees;
- (5) Materials for trainings.

2. The amount of the above-mentioned financing through JICA will be reduced step by step in parallel with the self-help efforts on the Indonesian side which will continue to be increased every year during this cooperation.

Schedule for fellowship.

Unit : million yen.

S i s c a l y e a r .	1979	1980	1981
Project Administration observation		1 x 2 mg	
Pediatric Nursing	1 x 12 m	1 x 12 m	
Med & Surg. Nursing (Emergency I.C.U./C.C.U)	-	1 x 12 m	2 x 12 m
Nursing School Administration observation.	2 x 2m	2 x 2 m	
Education media preparing.	-	-	1 x 6 m

Medical & Surgical.

Note of the Record of Discussion.

As a result of discussions, the Japanese team and Center for Education and Training, Ministry of Health take notes of the following matters.

I. Programmes of Experts Services for 1979/1980.

1. Long Term Experts

- One (1) person as Team Leader from September 1979 for two years.
- One (1) person as Project Liaison Offices from July 1979 for two years.

*Liaison Officer

- In view of the fact that the Project sites are located in Jakarta and Ujung Pandang, so that Indonesian side and Japanese side considered that one liaison officer is necessary for smooth implementation of the Project.

Indonesian side requested to dispatch the above-mentioned liaison officer in the early stage of this fiscal year.

2. Short Term Experts.

- One (1) person as a expert of Nursing Education in Surgical Nursing for 2 - 3 months.

3. It is requested that Indonesian side submit A₁ Form to Japanese side through official route until the middle of June 1979.

4. Upon arrival of the experts, the Project Director will provide enough space for experts to execute their assignment at Center for Education and Training.

II. Programmes of Fellowships for 1979/1980.

Three (3) fellowships related to Nursing Education will be dispatched as follows :

1. Pediatric Nursing

One (1) person from Sept, 1979 for one year.

2. Nursing School Administration.

Two (2) persons from March 1980 for two months.

3. It is requested that Indonesian side submit A₂, A₃ Form to Japanese side through official route within June 1979.

III. Programme of Equipments Supply for 1979/1980.

1. List of Equipments and Materials are attached herewith and equipments in the list will be supplied in the fiscal year of 1979/1980 according to the priority ranking.

2. It is requested that Indonesian side submit A₄ Form with equipment list to Japanese side through official route by the middle of June, 1979.

3. Consignee of shipping documents are as follows :

1). For the equipments to DCNE in Jakarta.

Director, Center for Education and Training,
Ministry of Health, Republic of Indonesia,
Through JICA Jakarta Office,
c/o Embassy of Japan in Indonesia

2). For the equipments to INTS in Ujung Pandang

Principal of P.K. Teacher Training School,
Ujung Pandang, Ministry of Health, Republic of Indonesia,
Through JICA Jakarta Office,
c/o Embassy of Japan, Indonesia.

IV. Programmes mentioned above are subject to changed by the mutual discussions between both sides.

V. In country training Programme for Senior Staff of Nursing Education.

1. Draft Plan and Cost Estimation of the Training Programme are attached herewith.

2. Draft of Cost Estimation was submitted by Indonesian side to Japanese side only for reference information.

This draft will be further studied by both side from the point of view on each estimated items is available or not to be disbursed.

3. Procedure for implementation.

1). Director of Center for Education and Training submits the application letter with draft Plan of Training, and Cost Estimation, to the Resident Representative of JICA in Indonesia through Technical Cooperation Bureau of Cabinet Secretariat R.I.

2). Plan and Cost Estimation to be verified by JICA headquarter.

3). JICA in Jakarta office disburses the budget for this programme which is carried out by Indonesian side with cooperation of Japanese Experts.

4). Detail procedure concerning the payments of each item will be informed to Indonesian side by JICA.

VI. Activities in 1979/1980.

1. Training Programme on pediatric and surgical field for senior staffs from nurse teacher schools and teaching staff nursing academies, and Senior nurses of hospitals.

2. Preparatory work for the development of curriculum teaching materials, reference material, (Translating & printing).

VII. Budget.

- 1). Budget allocation from the Government of Indonesia.

Rp. 10 million .

- 2). Budget allocation from the Government of Japan.
 1. for general equipment and materials supply up to 40 million.
 2. for in-country training programme up to 14 million.
 3. for consultants and fellowships budget will be provide separately from items 2.1. and 2.2.
- 3). In response to the explanation from the Japanese side in the budget for in-country training programme, the Indonesian side stated that it will be very difficult to provide a large amount counter budget at this stage of fiscal year Training programme mentioned in Article V.

Jakarta, May 28, 1979.

Very tentative Schedule for pediatric nurse fellowship for one year.
Joint program with 7 th. advanced Nursing study course if it is possible.

Sept 28, 1979

come to Japan

Oct. 7 - Dec. 20

Japanese language course at Totzoi University.

Dec. 22 - Dec. 28.

Orientation (Japanese Cultural, Economical) Political, Social)

Jan. 7 - 25.

Orientation of medical, Nursing in Japan including Ministry of Health and Welfare, Institution of Public Health visits.

Feb. 1 - July 31.

Clinical study in Pediatric at some hospital.

Aug. 1 - Aug. 16

Summer vacation and trip.

Aug. 18 - Sept. 20.

Study at nursing teaching/learning experience at nursing study & Research Center.

Sept. 20 - 24.

Final Evaluation.

Aim of Trip.

Nursing School Administration observation visit (March/April 1980)

Period of two months March 1980 - April 1980.

Person.

Principals of T.T. Schools

Contents.

Orientation of Ministry of Health & Welfare

Orientation of Institute of Public Health

Orientation of Nursing Study and Research Center.

Observation Visits to :

1. Kanagawa Prefectural School for Advanced Nursing Education
& Public Health Nursing.
2. Ryuku University & Community Nursing Service.
3. Kochi Prefectural Community (Districting) Service.
4. St. Lukes College of Nursing.
5. Sawauchi Villege, Iwate Prefecture (Maternal & Child program).
6. Matsudo City P.H. Nursing Activities

Others Japanese Nursing Associations

National Medical Center.

Before and After the trip we home conference	14 days
and final Evaluation	7 days
Trip to Kansai District	7 days.

Expert for O.T.A. - 62

No.	Name	Status/prof	Time	Activities
1.	Mrs. S. Nagano	Team leader Nurse Adm. (L.T.).	Sept 1979 to Aug. 1979	<ol style="list-style-type: none"> 1. Assist with training/rets courses. 2. Preparation for fellowship candidates. 3. Preparation for translation of books and other. A.V.A. Material Assist in 4. Administration the equipment etc of the project. 5. Evaluation of the project.
2.	Mr. Kawabatu.	Supporting staff to the team leader/administrator. (.L.T.).	Sept.1979 to Aug. 1979.	<ol style="list-style-type: none"> 1. Carry out the administrative activities, supportive to the team leader. 2. Budget administration. 3. Hard-ware administration. 4. In-relation to grant money.
3.	-	Nurse Education surgical field. (S.T.C.),	2 - 3 month Febr - April 1979.	<ol style="list-style-type: none"> 1. Prepared together with Ind nurse/W.H.O. Nurse the short course in Nurse Surgical.Nursing. 2. Support the Indonesia Nurse in carry out the Surgical Training program. 3. Make a report of the Surgical Nursing Course.

The List of Equipment Required for the year 1979 for the Nursing Education Project.

1. School Requirites.	6.200.000 yen.
2. Audio Visual Instruction Instruments	8.400.000 yen.
3. Model	5.550.000 yen.
4. Nursing Educational Instruction Instruments	8.300.000 yen.
5. Books (Japanese)	4.000.000 yen.
6. Books (English)	1.600.000 yen.
7. Vehicles	3.300.000 yen.
	<hr/>
T o t a l	:
	<u>37.350.000 yen.</u>

SCHOOL REQUISITES.

No.	Name	Specification	Qty
1.	Copy Machine.	Ricopy DF750 220V, 50 Hz.	2
2.	Table for Copy Machine.	Type A	2
3.	Mimeograph Machine.	Ricoh Hi-Printer E-80, 220V, 50Hz.	2
4.	Table for Mimeograph Machine.	Type SD-M.	2
5.	Mimeograph Fax.	Ricoh Hi-Fax F500 220V, 50Hz.	2
6.	Table for Mimeograph Fax.	Type SD-M.	2
7.	Paper Cutter.	Lion 214N-3.	3
8.	Electric Calculator.	Casio Desk Top AD-4160, 220V, 50Hz.	2
9.	Portable Calculator.	Casio Just Size J-3.	8
10.	Filing Cabinet.	Lion Filing Cabinet.	18
11.	Type Writer.	18 inches	6
12.	Portable Type Writer.		8

AUDIO VISUAL INSTRUCTION INSTRUMENT

- 1). A Stereoscopic Atlas of Human Anatomy. 1 set.
Slide film, product of CIAT Company.
 1. Central Nervous System
 2. Head and Neck
 3. Upper Extremity
 4. Thorax
 5. Abdomen
 6. Pelvis
 7. Lower Extremity
 8. Back
 9. Reference Guide to Atlas
10. Viewer & Projector
Standard Viewer
Lighted Viewer
Stereomatic Projector
Lamp for Projector (500 W, 110 V)
Stereoprojection Screen (40 x 40 inches)
- 2). Slides of Human Anatomy. 1 set.
 1. Slide film.
 2. Kyoto Kagaku Hyohon Company.
- 3). Slides of Nursing Skills. 1 set.
 1. Slide film
 2. Sakamoto Model Company.
- 4). A Wall Atlas of Human Physiology. 1.
 1. Sakamoto Model Company.
- 5). A wall Teaching Atlas of Birth Control 1.
 1. Sakamoto Model Company.
- 6). A wall Teaching Atlas of Maternal Class. 1.
 1. Sakamoto Model Company.
- 7). The Mechanisian of Body, 9 vols
1. Video Tape.
2. Igaku Eigo Kyooiku Centre. 1 set.
 - The Structure and Function of Nervous System.
 - " Sensory System.
 - " Respiratory System.
 - " Cardiovascular System.
 - " Digestive System.
 - " Urinal System.
 - " Genital System.
 - " Endocrine System.
 - " Musculoskeletal System.
- 8).

- 8). Series of "Illness" I, 10 vols. 1 set.
1. Illness of Nervous system.
 2. " Sensory system.
 3. " Respiratory System.
 4. " Cardiovascular system.
 5. " Digestive system (1).
 6. " Digestive system (2).
 7. " Urinal system.
 8. " Genital system.
 9. " Endocrine system.
 10. " Musculoskeletal system.
- 9). Series of "Illness" II, 10 vols. 1 set.
1. Etiology.
 2. The structure and function of human body.
 3. Infectious diseases.
 4. Parasitosis.
 5. Metabolic diseases.
 6. Venereal diseases.
 7. Psychiatric medicine.
 8. Assessment of motor disturbances.
 9. Assessment of constitution, behavior and facial appearance.
 10. Assessment of color of the skin.
- 10). Cardiopulmonary resuscitation. 1.
- 11). Procedure in Patient Care, 43 vols 8 m/m film, with a exclusive 8m/m.
Projector. 1 set.
J.B. Ripin and Company.
- 12). Nursing skills and techniques, 15 vols.
8 m/m film, with a exclusive 8 m/m
Projector. 1 set.
Prentice - Hall Company.
(attached document).
- 13). Nursing in the emergency room.
Video Tape. 1 set.
Nippon Kango Kyokai Shuppansha.
- 14). Aseptic techniques. 1 set.
- 15). Body mechanics. 1 set.
- 16). Group discussion. 1 set.
Tecei Video Company.
- 17). Series of Nursing Education, 15 vols. 1 set.
Video Pack Nippon Company.
1. Nursing of the hemiplegia (2 vols).
 2. Tube feeding (1 vol).
 3. Aseptic techniques of hands (1 vol).
 4. Compress (1 vol).
 5. Nursing care of the neonates (2 vols).
 6. Oxygen therapy (1 vol).
 7. Suction (2 vols).
 8. Puncture (2 vols).
 9. Injection (1 vol).
 10. Nursing in incubator (2 vols).

18.

- 18). Nursing skills and techniques.
- cleanliness of the body 1 set.
Video Tape.
Igaku eiyo Kyooiku Center.
1. Skin and mucosa.
 2. The skin damaged.
 3. Bathing (equipments)
 - (face)
 - (upper extremities)
 - (neck and breast)
 - (abdomen)
 - (lower extremities)
 - (foot)
 - (back and perineum)
 4. Shampoo
 5. Mouth care.
- 19). Slides of Nursing techniques 112 vols. 1 set.
slide films, with a exclusive cassette projector concept Media Company.
- 20). Series of Emergency Nursing, 10 Vols. 1 set.
Video Tape.
Video Pack Nippon.

NURSING SKILLS AND TECHNIQUES

No.	Description	Quantity
1	2	3
1.	Application of Heat Perineal Right	1.
2.	Application of Heat Clean Perinial Comprisses	1.
3.	Asepsis Sterile Gowning	1.
4.	Asepsis sterile Glove Application	1.
5.	Asepsis simple Dressing	1.
6.	Asepsis Simple comprisses	1.
7.	Bandaging Elastic Toes to Heel	1.
8.	Ued Making Mitered Corner	1.
9.	Binder Application scultetus	1.
10.	Hreast Binder Compressing	1.
11.	Ureast Binder Supporting	1.
12.	Checking the Pundus	1.
13.	Delivery Room Care of the Mither Staut IV	1.
14.	Delivery Room Care Newborn Part I	1.
15.	Delivery Room Care Newborn Part II	1.
16.	Draping Morizontal Recumbent	1.
17.	Draping Knee Chest Genupectoral	1.
18.	Draping Lept Lateral Sim's	1.
19.	Draping Dorsal Kecumihent	1.
20.	Enema Ready To Use	1.
21.	Petal Heati Tones	1.
22.	Fundamentals Hack Care	1.
23.	Gross Placental Physiology	1.
24.	Growth and Development : Neonate Part I	1.
25.	Growth and Development : Neonate Part II	1.
26.	Growth and Development: one Month, Part I	1.

1	2	3
27.	Growth and Development : one Month. Part II.	1.
28.	Growth and Development : Three Months.	1.
29.	Growth and Development : Six Months. Part I.	1.
30.	Growth and Development : Six Months. Part II.	1.
31.	Growth and Development : Nine Months. Part I.	1.
32.	Growth and Development : Nine Months Part II.	1.
33.	Growth and Development : One Year.	1.
34.	Handwashing : Routine.	1.
35.	Handwashing : Serum with Brush.	1.
36.	Handwashing : Serum without Brush.	1.
37.	Hot water Bottle Filling.	1.
38.	Ice Collar : Filling and Application.	1.
39.	Induction of Lahor and Petal Monitoring.	1.
40.	Infant to Mother : Crib Transport Part. I	1.
41.	Infant to Mother : Crib Transport Part. II.	1.
42.	Insertion of Poley Catheter : Male Part I.	1.
43.	Insertion of Poley Catheter : Male Part II.	1.
44.	Irrigation Clean Vaginal.	1.
45.	Irrigation Levine Tube.	1.
46.	Irrigation Throat.	1.
47.	Lahor Admission Shave Preparations.	1.
48.	Medications oral Setting Up.	1.
49.	Medications Rectal.	1.
50.	Medications Vaginal.	1.
51.	Nursery Bathing Newborn I. Part I.	1.
52.	Nursery Bathing Newborn I. Part II.	1.
53.	Nursery Bathing Newborn I. Part III.	1.
54.	Nursery Bathing Newborn II Part I.	1.

1	2	3
55.	Nursery Bathing Newborn II Part II.	1.
56.	Nursery Bathing Newborn II Part III.	1.
57.	Nursery Discharge of Infant Part I.	1.
58.	Nursery Discharge of Infant Part II.	1.
59.	Nursery Infant to Mother Arm Carry Part I.	1.
60.	Nursery Infant to Mother Arm Carry Part II.	1.
61.	Ohstetrical Forceps Characteristics.	1.
62.	Pediatric Restraints : Arm Cupp and Crib Net.	1.
63.	Pediatric Restraints Mummy.	1.
64.	Perineal Care : Preparation Pemale.	1.
65.	Perineal Care : Pemale Clean.	1.
66.	Perineal Care Male.	1.
67.	Perineal Pad Placement Pemale.	1.
68.	Perineal Preparation Delivery Room.	1.
69.	Rectal Tube Insertion.	1.
70.	Removal of Poley Catheter Male.	1.
71.	Restraints Leather.	1.
72.	Restraints Posey Belt.	1.
73.	Restraints Sopt.	1.
74.	Shampoo Bed.	1.
75.	Timing Contractions.	1.
76.	Apical-Radial Pulse.	1.
77.	Cardiac Monitors.	1.
78.	Circle Bed Basic Operation.	1.
79.	Circle Bed Hammock Sling.	1.
80.	Closed Chest Drainage one Bottle & Two Bottle.	1.
81.	Compresses Burn.	1.
82.	Compresses Rye.	1.

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	83. Crutch Walking.	1.
	84. Cultures Wound Throat Nose.	1.
	85. Deep Breathing and Coughing.	1.
886.	Feeding Oral Asepto.	1.
	87. Feeding Tube Gastrostomy.	1.
	88. Growth and Development Fifteen Months Part I.	1.
	89. Growth and Development Fifteen Months Part II.	1.
	90. Growth and Development Eighteen Months Part I.	1.
	91. Growth and Development Eighteen Months Part II.	1.
	92. Growth and Development Two Years Part. I.	1.
	93. Growth and Development Two Years Part II.	1.
	94. Irrigation Intermittent Bladder.	1.
	95. Log Rolling.	1.
	96. Medical Asepsis Isolation Part I.	1.
	97. Medical Asepsis Isolation Part II.	1.
	98. Medications Adding to I.V.	1.
	99. Medications Ampules.	1.
100.	Medications Closed Injection System	1.
101.	Medications Eye Drops and Qintments.	1.
102.	Medications Intradermal.	1.
103.	Medications Intramuscular Injection.	1.
104.	Medications Multiple Dose Vial.	1.
105.	Medications Tablet Preparation for Injection.	1.
106.	Medications Nose Drops.	1.
107.	Medications Reconstituting a Dry Drug.	1.

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108.	Medications : Subcutaneous Injection	1
109.	Medications : Z-Track Injection Technique	1
110.	Mueller-Morsch Respirator	1
111.	Oxygen:Canula And Mask	1
112.	Oxygen:Croupette	1
113.	Oxygen:Nasal Catheter	1
114.	Oxygen:Tent	1
115.	Peritoneal Dialysis Nursing Care	1
116.	Postural Drainage	1
117.	Rotating Tourniquets	1
118.	Setting up Intra-Venous Solutions	1
119.	Stryker Frame	1
120.	Surgical Asepsis:Drain Shortening	1
121.	Surgical Asepsis : Isolation	1
122.	Tracheostomy Care Part I	1
123.	Tracheostomy Care Part II	1
124.	Traction : Cervical	1
125.	Traction : Pelvic	1
126.	Urine Testing: Sugar and Acetone	1
127.	Asepsis Sterile Vaginal Irrigation : Preparation	1
128.	Asepsis Sterile Vaginal Irrigation : Administration	1
129.	Bandaging : EAR	1
130.	Bandaging : Joint : Elbow	1
131.	Bandaging : Mitten : Hand	1
132.	Bandaging : Spiral Reverse : Arm	1
133.	Bandaging : Thumb	1
134.	Blood Pressure	1
135.	Breasts Artificial Emptying	1

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136.	Breast Feeding	1
137.	Catheterization : Female : Part I	1
138.	Catheterization : Female : Part II	1
139.	Central Venous Pressure : Observations	1
140.	Insertion of Angio-Catheter	1
141.	Irrigation Catheter	1
142.	Levine Tube Insertion : Part I	1
143.	Levine Tube Insertion : Part II	1
144.	Lifting and Moving	1
145.	Medications : Insulin and Narcotics	1
146.	Medications Oral : Part I	1
147.	Medications Oral : Part II	1
148.	Removal of Simple Sutures	1
149.	Supra Pubic Catheter Nursing Care	1
150.	Surgical Scrub with Brush : Part I	1
151.	Surgical Scrub with Brush : Part II	1
