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インドネシア国看護教育協力
実施協議チーム報告書

昭和54年6月

国際協力事業団
医療協力部

JAPAN INTERNATIONAL COOPERATION AGENCY

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國際協力事業団	
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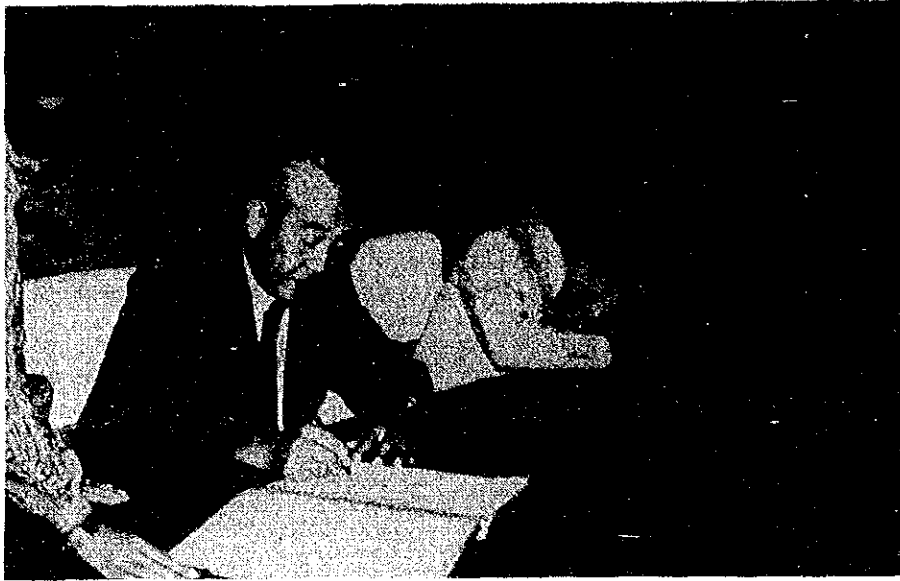
昭和52年7月に派遣した医療協力事前調査チーム(勝沼団長)によりインドネシア国において看護教育分野でのわが国の協力の可能性は大きいとの調査結果に基づいて今般実施協議チームを派遣した。

インドネシア国における看護教育協力は、技術協力と無償資金協力が密接に結びついた新しい試みで、技術協力だけであった従来の医療協力に比べ、技術協力の効果をより一層完全なものとすることを目指したものであり、今回の実施協議にあたっては技術協力のための討議議事録(Record of Discussions)と無償資金協力のための議事録(Minutes)を同時に署名し、協力を開始することとなった。

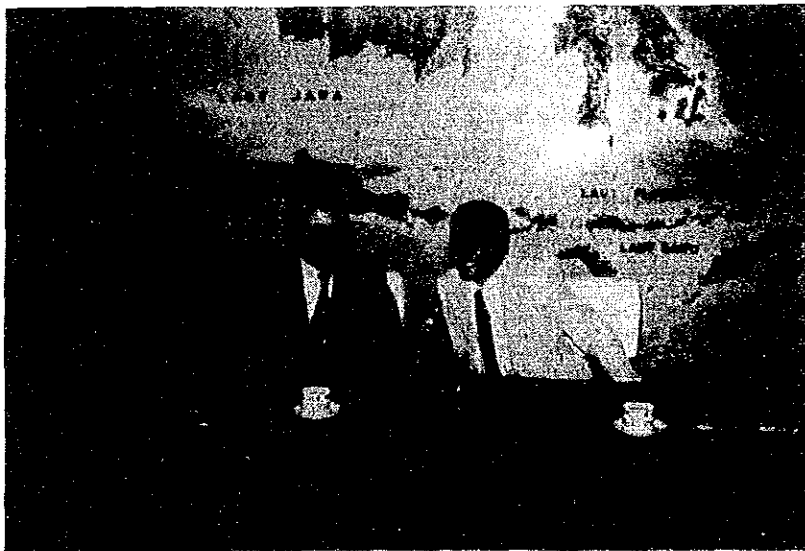
当該プロジェクトに対するインドネシア国側の期待は大きく、その期待に応えられるよう今後ともより一層の協力を関係者各位にお願いする次第である。

国際協力事業団

理事 長谷川正男



R / D と Minutes に署名する勝沼団長と Drs. Sutia



署名を終え談笑する勝沼団長と Drs. Sutia

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I 実施協議チーム派遣の経緯

1. 医療協力事前調査チームの派遣

昭和52年7月に派遣された医療協力事前調査チーム（勝沼団長）により、概要次のような報告がなされた。

- ① 現在インドネシア国に於て重要かつ緊急の医療政策は都会の病院や施設における医療サービスに主力をおくこと以上に文盲率45%の住民が85%も住む地域（農村地区）におけるヘルスケアシステムを確立し地域住民に直結した基本的なヘルスサービスを行うことであり、そのためには地域を理解し必要な知識と技術を持ったマンパワーを養成することである。
- ② 現在インドネシア国が推進している第一期（1969～1974）及び第二・第三期（1974～79～84）ヘルスデベロップメントプログラムに合致しており、このプログラムの一環としてのヘルスマンパワー養成の中核として Primary Health Nurse（P.K.Nurse）の養成計画を立案し従来の看護教育システムを抜本的に改革する事により積極的に推進してゆくことは極めて重要な施策であり、インドネシア国民の健康と福祉の向上に資し社会経済発展の基礎となりうるので、保健医療協力としてわが国がインドネシア国の保健政策の重要な柱である看護教育の課題に取り組むことはインドネシア国のニーズに最も適合し、またわが国にとっても実効のあがる協力である。
- ③ 看護教育に関する協力方法としては、ソフトとハードを統合した総合的な協力システムを確立することが今日まさに期待されており、そのためには、技術協力（ソフト）と無償資金協力（ハード）との組み合わせで行う必要があり、今後、技術協力及び無償協力として期待される方向は次のとおりである。

(1) 技術協力

第二次及び第三次5ヶ年計画の保健要員確保のための看護教員養成に対する統合的協力が主軸である。特に、地域保健活動強化に力点を置き、しかも看護の教育体系を充実するために必要とされる指導的役割に対し技術協力を方向づけることが重要である。そのため、必要とされる専門家の派遣、研修員の受入れという人材交流的な協力はもとより、教育や地域活動の指導に必要とされる諸機材の供与を行う必要がある。それと同時に施設の衛生や安全を考慮した資材供与や指導も重要である。具体的に技術協力の対象

としては4校の教員養成機関〔並びに国立教育訓練センター〕に対する協力を中心に展開されるであろう。

(2) 無償協力

第二次及び第三次5ヶ年計画で体系的整備を企画しているPK養成施設150校のうち1980年度までに14校の施設建設をインドネシア国からわが国に希望している状況を十分配慮しつつ、これらを重点地域に計画的に建設をはかるべき無償協力を方向づけることが重要である。〔地域的配置に当っては、保健医療に係る協力プロジェクトが両国間ですすめられておる地域との関連を十分考慮し、協力システムの整合性をはかる必要がある。〕PK養成施設の整備はインドネシア国の5ヶ年計画遂行にあたり最も重視されねばならない課題であり、実効のあがる協力として期待されるであろう。

2. 看護教育及び看護協力専門家の派遣

1.に述べた医療協理事前調査チームの指摘と提案を含む報告を受けて、昭和53年1月18日から2月20日までの34日間、永野貞（財団法人国際看護交流協会常務理事）及び清水嘉与子（厚生省医務局看護課課長補佐）の両専門家がインドネシア国へ派遣され、チラダック、バンドン、スラバヤ、ウジュンパンダンの各看護教員養成校を含む看護教育関連施設を詳細にわたり調査した結果、各看護教育施設の建物・設備等の現状、各校のカリキュラムや教員数、生徒数、卒業生の就職状況、教材等について明らかとなり、また各校におけるインドネシア国側の要望及びこの要望等に対するわが国の協力の可能性等につき明らかになった。

この調査により、インドネシア国側は、建物については、上記4つの看護教員養成校のうち、ウジュンパンダン校については新築を希望し、他3校については、教室、教員住宅、食堂等の増改築を希望した。また技術協力の分野では、教材は主に視聴覚機材、事務用機材を要望、研修員の受入れについては27名の教員研修を希望し、専門家については教材指導を中心に派遣を希望した。

インドネシア国側のこれらの諸希望に対して、両専門家は次のように提案している。

I 教員養成校に対する医療協力は非常に有意義なことと思われる。

1) 建物については新築1、増改築3となったが、多くの学校で校舎を本来の目的外に使用しており、教育実施上支障を来していること。またPK校教員養成にふさわしい施設

に充実させたいとの関係者の熱意が高いこと、から考え、一部問題と思ひ要求もあるが、できるだけ増改築についても援助すべきと考える。

- 2) 機材と共に使い方、維持の技術についても指導する必要がある。
- 3) 初年度は短期リーダーグループとする。その後は6か月～1年以内とし、主として英語を主体とするコースが望ましい。
- 4) 教材(視聴覚教材、図書等を含む)指導を中心に複数の専門家を送りたい。長期滞在が望ましいが、少くとも3～6か月は必要。

II 教員養成校の実習施設をモデル的に整備するという考え方には賛成できる。

(PK校)

新築1校については土地確保を急ぐ必要がある。

他は教員住宅を主とした要望であり、やゝ問題はある。

(病院・H.C)

学生の実習に必要な教育機材(ex訪問靴)は学校側に増備すればよいと思われる。

III 技術協力と関連づけることは困難であるが、無償援助の対象に加えることに異議はない。

3. インドネシア国看護教育施設建設計画事前調査団の派遣

2.に述べた看護教育協力専門家の調査結果をふまえて、具体的にどのような技術協力をし、またその技術協力をするためにはどのような建物が必要であるかということ調査するため昭和53年8月9日から8月22日までの14日間、インドネシア国看護教育施設建設計画事前調査団(平山団長)がインドネシア国へ派遣された。

この調査団による調査の結果、インドネシア国側から、ジャカルタにあるチランダック看護教員学校の施設、設備の拡充の要望に代えて新しくジャカルタに「看護教育開発センター」(" Development Center for Nursing Education ") 設立の構想が打ち出されると同時に、ウジュンパンダンに新しく看護教員を養成するモデル校を新設するよう要望が出された。

インドネシア国側が説明した「看護教育開発センター」(DCNE)の機能及び位置付けは次のとおりである。

a) 機能

1. 看護教育カリキュラムの開発
2. 看護従事者養成の持続的教育計画方針の確立

3. 教材の開発
4. 教育方法の開発
5. 国家試験及び登録制度
6. 看護学校の資格認定
7. 報告と記録制度
8. 看護教育計画の評価

b) 位置付け

現在ジャカルタに現存している、教育訓練センター（Centre for Education and Training = C E T）直属の国立訓練センター（National Training Centre = N T C）を改組して設立する。

調査団はこれらのインドネシア国側の説明を受け次のように理解し、帰国後、報告した。

「DCNEはCETに直属し、インドネシア国に於る看護教育の国立のセンターである。このセンターと、ウジュンパンダンの看護教員養成学校とはプロジェクトのセットである。というのは、この種のセンターは、新しく開発した教材や技術を試し、評価するために、フィールドやモデル校が必要だからである。」

また、インドネシア国側から、上記に述べた内容のプロジェクトを1979年度（1年度は4月から始まり3月に終るわが国と同じ制度である）から開始するためには、付属資料の報告書に示すとおり技術協力の分野では専門家の派遣、研修員の受入、機材供与が必要である旨説明があり、またこれらの技術協力をするためには同報告書に記す建物、設備等が必要である旨説明があった。

この平山調査団の報告に基づき、外務省、厚生省をはじめ関係諸機関と協議を重ねた結果、技術協力及び無償資金による協力の協力(案)を作成し、これに基づいて、インドネシア国側と協議を行うため、技術協力関係では実施協議チームを、また無償資金による協力関係では基本設計チームを同時に派遣することとなり、技術協力と無償資金による協力を同時平行的に進行させて行くという本プロジェクトの性格から、両チームの団長を勝沼団長が兼任することとなった。

Ⅱ 実施協議チームの編成

団 長	勝 沼 晴 雄（杏林大学副学長）	総 括
団 員	吉 田 時 子（厚生省看護研修研究センター所長）	看護教育
団 員	永 野 貞（財団法人国際看護交流協会理事）	看護協力
団 員	野 福 文 徳（国際協力事業団医療協力部 医療第二課職員）	業務調整

III 実施協議チームの日程

(注意) 時間は全て現地時間である。

月	日	程		訪	問	先	目	的	相手国の参加・同席者等
		日	時間						
10	22	日	10:55 18:15	成田発 JL711 ジャカルタ着	シンガポール	經由	往 途		
	23	月	9:00 9:30 10:00	日本大使館 JICAジャカルタ事務所 保健省教育訓練センター			熊谷臨時代理大使表敬 官本所長挨拶及び討議 日程等打合せ		熊谷臨時代理大使(公使), 市川一等書記官 官本所長, 佐藤所員 総務課 (Mr. Ikrom), 計画課 (Mr. Rawper) 用度課 (Mr. Sudiman), 教育訓練センター (Mrs. Fardiah, Mr. Wattimena, Drs. Sutia, Mr. Nurhasan, Mr. Laksmono, Mr. Andrys)
	24	火	9:00	保健省教育訓練センター			R/D係及び Minutes 案の協議		総務課 (Mr. Ikrom), 用度課 (Mr. Sudiman), 教育訓練センター (Mrs. Fardiah, Mr. Wattimena)
	25	水	12:30 9:00	チランダック看護教員養成校 保健省			視察及び調査 表 敬		校長 (Mr. Johannes) 保健次官 (Dr. Soejoto), 教育訓練センター (Mrs. Fardiah)
			10:00	保健省教育訓練センター			R/D係及び Minutes 案の協議		教育訓練センター (Mrs. Fardiah, Drs. Sutia, Mr. Wattimena)

日 程		訪 問 先	目 的	相手国の参加・同席者等	
月 日	曜日 時間				
10	26	木	8:15 11:15 12:00	ジャカルタ発 ウジエンバンダンに着 南スラウェシ州衛生部 表敬及び討議	南スラウェシ州衛生部（部次長 Dr. Anwar, 官房長 Drs. Elim Salim, 計画課 Mr. Achmad Idrus, 教育課 Mr. M. Aris） ウジエンバンダン看護教員養成校（校長 Mr. Soerijanto）, 保健省用度課 Mr. Sudiman, 保健省教育訓練センター（Mrs. Fardiah） 崎山総領事
			13:30 14:00	在ウジエンバンダン日本国総領事館 第2, 第3, 第4候補地（パラंगा, カタンカ, バンタバタン） 表 敬	
			18:30	アジアバル・レストラン 団長主催晩さん会	南スラウェシ州衛生部（Dr. Anwar, Drs. Elim, Mr. Idrus, Mr. Aris, Mr. Maming, Mr. Ianto） 教育訓練センター（Mrs. Fardiah, Mr. Sudiman）
	27	金	8:45 10:30	南スラウェシ州庁 ウジエンバンダン看護教員養成学校 知事表敬 討 議	校長 Mr. Soerijanto, 教官 Mrs. Annas, 教官 Mrs. Sissi Mardiyah

月	日	程		訪	問	先	目	的	相手国の参加・同席者等
		日	時間						
10	27	金	19:00	総領事公邸			崎山総領事主催晩さん会		崎山総領事， 島副領事
	28	土	8:00	南スラウエシ州衛生部			討議		Dr.Anwar
			15:30	ウジエンバンダン発 ジャカルタ	吉田，永野，野福 団員のみ				
	29	日	17:35	ウジエンバンダン発 ジャカルタ着	勝沼団長は，基本設計チームと共に18:00 まで第5候補地の調査 勝沼団長及び基本 設計チーム				
	30	月	9:00	保健省教育訓練センター			R/D 協議		Drs.Sutia, Mrs.Fardiah
	31	火	8:00	"			"		"
11	1	水	8:00	保健省国際課			R/D原稿のタイプ及び 修正		国際課長 Drs.Moelock, Drs.Sutia
	2	木	8:00	"			"		"
	3	金	17:55	ジャカルタ発	吉田，永野団員のみ				
			7:00	成田着					
			10:00	保健省会議室でR/D及びMinutesに 署名					保健省総務課長， 秘書課長， 国際課長 Drs Moelock, Drs.Sutia, Mrs.Fardiah, Mr.Wattimena
	4	土	17:55	ジャカルタ発	JL712シンガポール経由		帰途		
			7:00	成田着					

面 会 者 リ ス ト

1. 10月23日 保健省教育訓練センター

- Mr. Ikrom A. Rifai,
Foreign Relation Division, Ministry of Health (M.O.H.)
- Mr. F. A. Rawpen,
Planning Bureau, M.O.H.
- Mr. Sudiman,
Logistics Bureau, M.O.H.
- Mrs. Fardiah Jasin,
Centre for Education and Training (C.E.T.), M.O.H.
- Mr. C. F. Wattimena,
C.E.T., M.O.H.
- Mr. Sutia Anggadihadja,
C.E.T., M.O.H.
- Mr. Nurhasan,
C.E.T., M.O.H.
- Mr. Laksmono,
C.E.T., M.O.H.
- Mr. Andrys Djunaedi,
C.E.T., M.O.H.

2. 10月26日 南スラウェシ州衛生部

- Dr. M.N. Anwar S.K.M.,
Acting Head, Provincial Health Services of South Sulawesi (P.H.S.)
- Mrs. Elim Salim,
Secretary, P.H.S.
- Mr. Achmad Idrus B. Sc,
Acting Head, Planning Division of P.H.S.
- Mr. Herry Soerijanto,
Director,
- Mr. M. Aris D.M.,
Staff,
- Mrs. Fardiah Jasin,
C.E.T., M.O.H.
- Mr. Ir. Soediman,
C.E.T., M.O.H.

3. 10月27日 ウジュンパンダン看護教員養成校

Mr. Harry Soerijanto,
Director, the Teacher's Training School for Nurse and Midwife, Ujung
Pandang

Mrs. A. Annas
Staff and Nurse Teacher, the Teacher's Training School for Nurse
and Midwife, Ujung Pandang

Mrs. Sissi Mardiyah,
Staff and Nurse Teacher, the Teacher's Training School for Nurse
and Midwife, Ujung Pandang

IV 調査の目的

I 実施協議チーム派遣の経緯で述べたように、事前調査以来、三回にわたる調査を行いプロジェクトの内容もきわめて明確になり、昭和54年度からプロジェクトを開始できる見通しのできたので、昭和54年度プロジェクト開始を目標として、技術協力の分野では、インドネシア国側と実施協議をした結果、討議議事録R/Dを作成し、インドネシア国側責任者と署名を交換し、また無償資金協力の分野では同じく議事録(Minutes)を作成し、署名を交換することを目的として本チームは派遣された。

V 調査の内容

本実施協議チーム及び基本設計チームは、前三回の調査結果をふまえ、次のような技術協力案及び無償資金による協力案を作成し、これをもとにして、VIに述べる討議議事録(R/D)案を作成した。

(1) 技術協力(案)

看護教育開発センター

I 目的

インドネシア国における看護教育体系の確立と充実を行うことを目的とする。

具体的な開発内容は、

① 教育カリキュラムの確立

② 教育指導技術の開発

イ) 教材の開発

視聴覚教材の作成とその利用法

教育用参考図書(教科書を中心とする)の編さん

ロ) 教育技術の指導方法

③ 教育評価

上記①及び②の実施評価

(モデル校=ウジュンパンダン看護教員養成校での応用結果を評価し、再開発に資する)

④ 現任訓練

既設の看護教員養成学校及び看護婦養成学校の現職教員を年間4回にわけて1グループ20人を単位としてそれぞれ1カ月間、上記①、②、③に記す内容の訓練を行う。

(注)なお本項目のために、日本政府側で、年間約2000万円の中堅技術者養成費を予算要求をしている。

II 専門家の派遣

長期専門家：看護教育全般

短期専門家：臨床看護婦、保健婦、視聴覚教育専門家等

注) 臨床看護婦，保健婦は長期専門家として派遣されることが望ましい。

Ⅲ 研修員受入

カウンターパートを研修員として受入れる。

ウジユンバンダン看護教員養成校

I 目 的

教育開発センターで開発した内容の実践応用を行うモデル校とする。

具体的実践応用内容は、

① 学校運営・管理の指導

教育開発センターで開発した内容の具体的な実践応用方法を指導する。

イ) 指導要領の作成及び実施

ロ) 教材の使用の指導

ハ) その他，本校の運営・管理に係る指導（例えば，運営委員会などの学校の自治に係る事項の指導）

② 教育評価

上記①の実施評価

③ 地域の保健衛生統計等に関する実態調査と分析を行いカリキュラムに反映するための指導

④ 臨床看護技術教育指導（救急，専門臨床看護）

Ⅱ 専門家派遣

長期専門家：看護教育全般

短期専門家：臨床看護婦，保健婦，視聴覚教育専門家等

注) 臨床看護婦，保健婦は長期専門家として派遣されることが望ましい。

Ⅲ 研修員受入

カウンターパートを研修員として受入れる。

(2) 無償資金による協力(案)

ROOMS.	DCNE/Jakarta sq meter x number of rooms	HNTS/Ujung Pandang sq meter x number of rooms
Administrative part.		
Office for Director	30 x 1	30 x 1
Office for teachers	—	120 x 1
Secretarial staff	30 x 3	80 x 1
Consultants	20 x 3	
Staff's room	20 x 4	
Drawing room	—	30 x 1
Conference room	30 x 1 20 x 1	50 x 1 25 x 1
Part time lecture room	—	30 x 1
Counseling room	—	25 x 1
Reproduction room	30 x 1	25 x 1
Storage	20 x 1	
Records room	20 x 1	25 x 1
Kitchenette	10 x 1	25 x 1 (w/storage & servant room)
Lounge, toilet, corridor, etc.	195	235
(Sub-total)	(585) → (585)	(700) → (585)

Teaching part.

Audio-visual room (class room)	150 x 1	100 x 1
Class room		85 x 2
Conference room	20 x 4	40 x 2 30 x 3
Studio	80 x 1	
Laboratory for audio-visual	50 x 1	
Nursing Laboratory	60 x 1	125 x 1
Biological lab.	60 x 1	60 x 1
Chemical lab.	60 x 1	60 x 1
Nutrition Lab.	60 x 1	60 x 1
Exhibition room	60 x 1	40 x 1
Library	130 x 1	120 x 1
Individual study room	—	
Storage	40 x 1	60 x 1
Preparation room	20 x 1	
Lounge, toilet, corridor, etc.	425	500
(Sub-total)	(1275) → (1275)	(1495) → (1490)

VI 討議議事録 (R/D) 作成経過

① 本実施協議チームが持参した討議議事録 (R/D) (案)

D R A F T

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
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 2nd, 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 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.

Jakarta, November 1, 1978

Professor Haruo Katsunuma
Head of the Japanese
Implementation Survey Team

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 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 the Colombo Plan Technical Cooperation Scheme.
2. The Japanese experts referred to in 1. above and their families will be granted in the Republic of Indonesia the privileges, exemptions and benefits no less favourable than those accorded to experts of third countries working 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 the living allowances remitted from abroad;
 - (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 and charges of any kind 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 local medical services and facilities to the Japanese Experts and their families.

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) 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) Suitably furnished accommodations for the Japanese experts and their families.
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 undertakes 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 November 1, 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:

- (1) To develop nursing education system
- (2) To develop curriculum of nursing education
- (3) To develop teaching method of nursing education
- (4) To develop 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.

ANNEX III

LIST OF ARTICLES

Machinery, equipments and other materials for the nursing education mutually agreed upon as necessary.

ANNEX IV

LIST OF INDONESIAN STAFF

ANNEX V

LIST OF LAND, BUILDINGS AND FACILITIES

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

ANNEX VI

COMPOSITION OF THE JOINT COMMITTEE

Chairman: Deputy Minister, Ministry of Health.

Indonesian side

Japanese side

Team leader

Experts

The Japanese Implementation Survey Team and Deputy Minister of Ministry of Health in 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.

Jakarta, November 1, 1978

Professor Haruo Katsunuma
Head of the Japanese
Implementation Survey Team

ANNEX: TENTATIVELY ESTIMATED SCALE OF THE PROJECT

Number of the Japanese Expert	about 180 Man/Month
Amount of Machinery, equipment and other materials (C.I.F. Jakarta)	about 200 million Yen
Total amount	about 400 million Yen

Note: 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		12Mx1	12Mx1	12Mx1	12Mx1	6Mx1
Expert in nursing education (general)		12Mx1 or 6Mx2	12Mx1 or 6Mx2	12Mx1 or 6Mx2	12Mx1 or 6Mx2	6Mx1
clinical nursing		6Mx2	6Mx2	6Mx2	6Mx2	6Mx1
public health nursing		12Mx1 or 6Mx2	12Mx1 or 6Mx2	12Mx1 or 6Mx2	12Mx1 or 6Mx2	6Mx1
education media preparing		3Mx1	3Mx1	3Mx1		
nursing school administration		3Mx1	3Mx1	3Mx1		
others						
Training of Indonesian Personnel related to nursing education						
clinical nursing		6Mx2	6Mx2	6Mx2	6Mx2	
public health nursing		6Mx2	6Mx2	6Mx2	6Mx2	
education media preparing		3Mx1	3Mx1	3Mx1	3Mx1	
nursing school administration			3Mx1	3Mx1		
others						
Provision of machinery, equipment and other materials						
Cost		40	40	40	40	200

② R/D (案) の討議・修正経過

- (1) THE ATTACHED DOCUMENT II. 2.(1) に関し、インドネシア国側は、技術協力調整委員会との協議の結果として、下記の修正を要請した。

“the living allowance remitted from abroad” を “project salary remitted from the Government of Japan” に改める。

これに対し、本チームは、salary 以外に諸手当があるので allowance を入れるようにインドネシア国側に申し入れ、インドネシア国側もこれを了承した。

- (2) THE ATTACHED DOCUMENT II. 2.(3) に関し、インドネシア国側は、“Exemption from import tax, import sales tax, sales tax, and other taxes” で、自動車取得に係る全ての税が免除されているので、その次の “and charges of any kind” は、ブローカーの手数料等を意味すると思われるが、これら政府でコントロールできないものを免除することはできないので削除したいとの説明があった。

これに対し、本チームは、インドネシア国では、従来より専門家は自動車取得に係る税金以外の手数料は現に支払ってきている実情を考慮して、削除することとした。

- (3) THE ATTACHED DOCUMENT II. 2.(4) に関し、インドネシア国側は、私立医療機関での診療費負担は困難であるとの理由により、下記のように改めるよう要請したので、本チームはこれを了承した。

“Free medical services and facilities to the Japanese Experts and their dependants in Government dispensaries or hospitals”

- (4) THE ATTACHED DOCUMENT V. 1.(2) に関し、インドネシア国側から、“Land” を “Existing land” に改めるとの申し入れがあり本チームも了承した。

- (5) THE ATTACHED DOCUMENT V. 1.(5) に関し、インドネシア国側から、下記のように改める旨要請があり、本チームは了承した。

“Furnished existing accommodations for the Japanese experts and their dependants”

- (6) ANNEX I MASTER PLAN に関し、インドネシア国側の要請により下記のように改め、本チームもこれを了承した。

「The Project is intended 以下を次のとおり改める。

“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. ”]

(7) ANNEX II. JAPANESE EXPERTS に関し、インドネシア国側から下記の項目を入れたいとの要請があり、本チームもこれを了承した。

“Note; One of experts will be nominated as Team Leader.”

(8) ANNEX III LIST OF ARTICLES に関し、インドネシア国側から、次のように改めるよう要請があった。

- “ 1. Machinery, equipments and other materials for the nursing education
2. Vehicles ”

これに対し、本チームは、「Vehicles は other materials に含まれる」と説明し、要請の取り下げを申し入れたが、インドネシア国側は、「本項中に Vehicles を入れておくことは、実際に自動車を使用する段階になったとき、運転手等の確保がスムーズにゆく」との説明を行い、更に「Vehicles」の文字を入れるよう強く要請した。

結局、本チームは、本プロジェクトがよりよく進行するために、「Vehicles」を文中に下記のように入れることとした。

“Machinery, equipments, vehicles and other materials for the nursing education”

(9) ANNEX IV. LIST OF INDONESIAN STAFF に関し、インドネシア国側の提案に基づき、下記のとおりとすることとした。

- “ 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. ”

なお、インドネシア国側は本件に関し、「本件プロジェクトの責任は教育訓練センター (Center for Nursing Education, Ministry of Health) の所長が負うべきであるとし

て、Project Director には、同センター所長を当てることとし、Project Manager には、1979 年度発足予定である看護教育開発センター（Development Centre for Nursing Education = DCNE 仮称）の所長をあてたい旨」説明した。

(4) ANNEX V. LIST OF LAND, BUILDINGS AND FACILITIES に関し、インドネシア国側から、「“enough”を land の前から to the Project の前に移した方が良い」との提案があり、本チームもこれを了承した。結局、下記のとおりとなった。

“ The Government of the Republic of Indonesia offers land, buildings and facilities enough to the Project ”

(5) ANNEX VI. COMPOSITION OF THE JOINT COMMITTEE に関し、本チームは、「Chairman は、Secretary General, Ministry of Health である」と強調したが、インドネシア国側は、「行政組織上は、教育訓練センターの所長は、Secretary General の下にあるのではなく、直接 Minister につながっているので、Chairman は、教育訓練センターの所長でよい。すなわち、Project Director が Chairman になる」と主張、本チームは、教育訓練センターの所長が行政組織上は、直接大臣の下にある実情を考慮して、教育訓練センターの所長、即ち Project Director でよいこととし、結局、本項は次のとおりとした。

“ 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.”
 なお、日本側の 3. Representative of Japan International Cooperation Agency は、JICA ジャカルタ事務所を意味する。

(2) TENTATIVELY ESTIMATED SCALE OF THE PROJECT に関し、インドネシア国側から、「研修員の受入れについても、専門家派遣と同様に“about Man/month”を入れる必要がある」との指摘があり、本チームとしては、TENTATIVE SCHEDULEにも記載されていることから、平仄を合わせるという意味でも本項に記入するのが妥当であると判断し記入することとした。

(3) TENTATIVE SCHEDULE に関し、インドネシア国側と協議の結果、技術協力の効果が最も上ることを目標として作成した。

VI 討議議事録 (R/D) と議事録 (Minutes)

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 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.

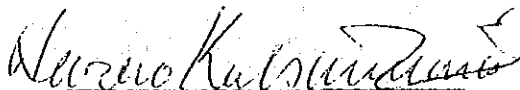
During its stay in the Republic of Indonesia, the Team exchanged views and had a series of discussions with the Indonesian authorities concerned in respect of the desirable measures to be taken by both Governments for the successful implementation of the above-mentioned Project.

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 Katsunuma
Head of the Japanese
Implementation Survey Team



Mrs. Sutia Anggadihardja
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 measure, 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 undertakes 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 November 3, 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.

ANNEX III

LIST OF ARTICLES

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

ANNEX IV

LIST OF INDONESIAN 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.

ANNEX VI

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.

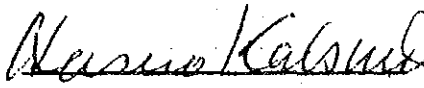
Note :

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.

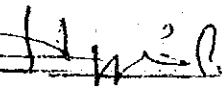
November 3, 1978

Jakarta, Indonesia


Professor Haruo Katsumura

Head of the Japanese
Implementation Survey Team




Mrs. Surtia 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

Note : 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						
Expert in nursing education (general)		12Mx1	12Mx1	12Mx1	12Mx1	6Mx1
clinical nursing/Public health nursing		12Mx2 or 6Mx4	12Mx1 or 6Mx2	12Mx2 or 6Mx4	12Mx2 or 6Mx4	
education media preparing			12Mx1	3Mx1	3Mx1	
others			12Mx1			
Training of Indonesian Personnel related to nursing education						
clinical nursing/Public health nursing		12Mx2	12Mx2	12Mx2	12Mx2	
education media preparing		6Mx1		6Mx1		
others			3Mx2			
Provision of machinery, equipment and other materials						
Cost		40	40	40	40	200

M I N U T E S

O F

THE CONSTRUCTION PROGRAM OF THE NURSE EDUCATION FACILITIES
IN UJUNG PANDANG AND JAKARTA
THE REPUBLIC OF INDONESIA

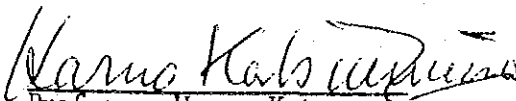
At the request of the Government of the Republic of Indonesia for assistance in establishing the NURSE EDUCATION FACILITIES in Ujung Pandang and Jakarta (hereinafter referred to as "The Facilities"), the Government of Japan through Japan International Cooperation Agency (JICA) has sent a twenty five days survey team headed by Professor Haruo KATSUNUMA (Vice-President of Kyorin University and Professor Emeritus of the University of Tokyo) to conduct the Basic Design Survey on the program from October 22, 1978. The team held a series of discussions and exchanged views with the Indonesian Authorities concerned on the establishment and construction of the Facilities.

Draft Final Report will be expected to be submitted to the Indonesian Authorities in February 1979.

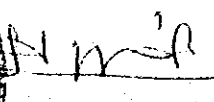
As a result of the survey and discussions, both parties have agreed to recommend to their respective Governments to take the necessary measures toward establishing the Facilities as stated in the Minutes attached herewith.

November 3, 1978

Jakarta, Indonesia


Professor Haruo Katsunuma
Head of the Japanese
Basic Design Survey Team




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

M I N U T E S

1. The Facilities to be established will be composed of "The Health Nurse Teacher School" (hereinafter referred to as the HNIS) in Ujung Pandang and "The Development Center for Nursing Education" (hereinafter referred to as the DCNE) in Jakarta.
2. The proposed site for the HNIS will be located at Tidung in Ujung Pandang, South Sulawesi Province. The land of the site is now the property of private owners, but the local government promised and the Indonesian Authorities concerned confirmed that the land shall be made available for the HNIS before the beginning of the next fiscal year.
3. The proposed site for the DCNE will be located at Cilandak in Jakarta. The land is the property of the Ministry of Health.
4. The outline description of the HNIS in Ujung Pandang and the DCNE in Jakarta is attached in Annex I.
5. The Government of Japan will take necessary measures to provide such buildings and equipment for the Facilities as listed in Annex II.
6. The Government of Indonesia will take necessary measures as follows :
 - 6-1 To secure land for the Facilities
 - 6-2 To clear and level the sites before the start of the construction of the Facilities.
 - 6-3 To construct and/or improve access roads to the sites before the start of the construction of the Facilities
 - 6-4 To provide such items necessary for the Facilities as listed in Annex III.

ANNEX I

Outline Description

1. The HNTS in Ujung Pandang

- a. The objectives of the HNTS are to educate health nurse teachers who will contribute their health knowledge and technology acquired to the development of nursing education in Indonesia. The HNTS in Ujung Pandang will replace the existing teacher school and is expected to be a new model of the health nurse teacher schools in the Republic of Indonesia.
- b. The HNTS aims to educate forty (40) students in a regular one-year course and thirty (30) students in short-time retraining courses.

2. The DCNE in Jakarta

- a. The objectives of the DCNE are to develop the nursing education system, curriculum, teaching methods and other techniques by means of training activities and research.
- b. The DCNE will be staffed with several Indonesian experts and their staff who will carry out the above-mentioned activities.

ANNEX II

Buildings and equipment for the Facilities to be provided
by the Government of Japan.

1. The HNTS in Ujung Pandang

a. Buildings

- (i) Administrative part
- (ii) Teaching part
- (iii) Dormitory

b. Equipment

Equipment for training health nurse teachers

2. The DCNE in Jakarta

a. Buildings

- (i) Administrative and control part
- (ii) Research and training part

b. Equipment

Equipment for developing nursing education system

ANNEX III

Items whose cost should be borne by the Government of the Republic of Indonesia.

- a. Power and water supply mains to the buildings, including services for construction use.
- b. Telephone wiring to the buildings.
- c. Drainage, sewage and septic tanks
- d. Landscaping, gateway, fence, exterior lighting and pavements
- e. Furniture, rugs and rapes
- f. Building licence fees

4. Concerning ANNEX V, Indonesian side wished "Nurse will be nominated as Team Leader by Japanese side"
5. Concerning to ANNEX IV, Indonesian side explained the schedule of the arrangement of personnel in DCNE as follows.

Director	1
Experts for Nursing Education	
- Curriculum Dev. (Clinical Nurse/Educators)	5
- Media	1
- Evaluation/Research	1
- School Administration	1
Nurse Educators	
- Advanced Nurse Educators	3
- Basic Nurse Educators	4
- Retraining Nurse Educators	2
Administrative	28

Note :

As it is considered that it takes much time to complete the arrangement of personnel in DCNE, Japanese side requested to Indonesian side the arrangement as follows.

Counterparts

Clerk, typists, etc.

Driver (He should be arranged soon after the car reached)

6. Concerning to ANNEX IV, Project Manager is the Chief of counterparts and also is Head of DCNE
7. Concerning to ANNEX V, Indonesian side explained "At present, Indonesian side can offer the existing land, buildings such as NTC, CET, CNTS for the present activities of the Project", Japanese side acknowledged this explanation of Indonesian side.
8. Concerning to ANNEX VI, Joint Committee should be held regularly and the rule of the Joint Committee will be decided at the first Joint Committee.
9. Concerning to ANNEX VI, Project Director has responsibility of budget, administration, personnel, etc. for implementing of the Project.
10. Fellowship will be given to counterparts of Japanese experts.
11. Concerning to ANNEX V,
Machinery, equipment and other materials for the Nursing Education are provided to DCNE in Jakarta and nurse teacher training shall in Ujung Pandang.

12. Contents of Technical Cooperation are as follows.

D.C.N.E. (Cilandak)	N.T.T.S. (Ujung Pandang)
1. Function Items listed in Hirayama report.	1. Function (1) Administration of school. (2) Curriculum (3) Retraining (4) Development of teaching materials.
2. Contents for First Year Committee activities pertaining to curriculum development.	2. First year Under the supervision of DCNE, contents of cooperation will be determined
3. Equipment for first year attached document 1	3. Equipment for First year Attached document 1
4. Experts for first year as tentative schedule	4. Experts for first year Experts in DCNE : one to NTTS as occasion demands
5. Participants for first year. as tentative schedule.	5. Participants for first year. First priority will be put on the personnel in DCNE.

Attached Document 1

SCHOOL REQUISITES

		DCNE	N T T S
1)	Copy Machine Ricopy DT750 220V, 50 Hz	1	1
2)	Table for Copy Machine Type A	1	1
3)	Mimeograph Machine Ricoh Hi-Printer E-80, 220V, 50 Hz	1	1
4)	Table for Mimeograph Machine Type SD-M	1	1
5)	Mimeograph Fax Ricoh Hi-Fax F500 220V, 50 Hz	1	1
6)	Table for Mimeograph Fax Type SD-M	1	1
7)	Paper Cutter Lion 214N-3	2	1
8)	Electric Calculator Casio Desk Top AD-4160, 220V, 50 Hz	2	0
9)	Portable Calculator Casio Just Size J-3	5	3
10)	Filing Cabinet Lion Filing Cabinet	11	7
11)	Type Writer 18 inches	4	2
12)	Portable Type Writer	5	3

Notes: DCNE = Development Center for Nursing Education (Cilandak)
N T T S = Nurse Teacher Training School (Ujung Pandang)

AUDIO VISUAL INSTRUCTION INSTRUMENTS

	DCNE
1) A Stereoscopic Nervous System	1
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 (500W, 110V)
 - Stereoprojection Screen (40x40 inches)
- 2) Slides of Human Anatomy 1
- 3) Slides of Nursing skills 1
 1. Care of the daily living
 2. Assisting to the medical care
 3. Therapeutic environment and instrument
- 4) A Wall Atlas of Human Physiology 1
- 5) A Wall Teaching Atlas of Birth Control 1
- 6) A Wall Teaching Atlas of Maternal Class 1
- 7) The Mechanism of Body, 9 Vols. 1
 1. The Structure and Function of Nervous System
 2. " Sensory System
 3. " Respiratory System
 4. " Cardiovascular System
 5. " Digestive System
 6. " Urinal System
 7. " Genital System
 8. " Endocrine System
 9. " Musculoskeletal System
- 8) Series of "Illness", 10 Vols. 1
 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

	DCNE
9) Cardiopulmonary resuscitation	1
10) Procedure in Patient Care, 43 Vols.	1
1. Bed Making	
2. Injection	
3. Enma	
4. Catheterization	
5. Aseptic Techniques, and etc.	
11) Nursing skills and techniques, 151 Vols.	1
Attached document	
12) Nursing in the emergency room	1
13) Aseptic techniques	1
14) Body mechanics	1
15) Group discussion	1
16) Series of Nursing Education, 15 Vols.	1
1. Nursing of the hemiplegia	
2. Tube feeding	
3. Aseptic techniques of hands	
4. Compress	
5. Nursing care of the neonates	
6. Oxygen therapy	
7. Suction	
8. Puncture	
9. Injection	
10. Nursing in incubator	
17) Nursing skills and techniques - cleanliness of the body	1
1. Skin and mucosa	
2. The skin damaged	
3. Bathing (equipments)	
(face)	
(upper extremities)	
(neck and brest)	
(abdomen)	
(lower extremities)	
(foot)	
(back and perineum)	
4. Shampoo	
5. Mouth care	

NURSING SKILLS AND TECHNIQUES

1. APPLICATION OF HEAT: PERINEAL LIGHT
2. APPLICATION OF HEAT: CLEAN PERINEAL COMPRESSES
3. ASEPSIS: STERILE GOWNING
4. ASEPSIS: STERILE GLOVE APPLICATION
5. ASEPSIS: SIMPLE DRESSING
6. ASEPSIS: SIMPLE COMPRESSES
7. BANDAGING: ELASTIC "TOES TO HEEL"
8. BED MAKING: MITERED CORNER
9. BINDER APPLICATION: SCUL TETUS
10. BREAST BINDER: COMPRESSING
11. BREAST BINDER: SUPPORTING
12. CHECKING THE FUNDUS
13. DELIVERY ROOM CARE OF THE MOTHER, STAGE IV
14. DELIVERY ROOM CARE: NEWBORN, PART I
15. DELIVERY ROOM CARE: NEWBORN, PART II
16. DRAPING: HORIZONTAL RECUMBENT
17. DRAPING: KNEE CHEST "GENUPECTORAL"
18. DRAPING: LEFT LATERAL "SIM'S"
19. DRAPING: DORSAL RECUMBENT
20. ENEMA: READY TO USE
21. FETAL HEART TONES
22. FUNDAMENTALS: BACK CARE
23. GROSS PLACENTAL PHYSIOLOGY
24. GROWTH AND DEVELOPMENT: NEONATE, PART I
25. GROWTH AND DEVELOPMENT: NEONATE, PART II
26. GROWTH AND DEVELOPMENT: ONE MONTH, PART I
27. GROWTH AND DEVELOPMENT: ONE MONTH, PART II
28. GROWTH AND DEVELOPMENT: THREE MONTHS
29. GROWTH AND DEVELOPMENT: SIX MONTHS, PART I
30. GROWTH AND DEVELOPMENT: SIX MONTHS, PART II
31. GROWTH AND DEVELOPMENT: NINE MONTHS, PART I
32. GROWTH AND DEVELOPMENT: NINE MONTHS, PART II
33. GROWTH AND DEVELOPMENT: ONE YEAR
34. HANDWASHING: ROUTINE
35. HANDWASHING: SCRUB WITH BRUSH
36. HANDWASHING: SCRUB WITHOUT BRUSH
37. HOT WATER BOTTLE: FILLING
38. ICE COLLAR: FILLING AND APPLICATION
39. INDUCTION OF LABOR AND FETAL MONITORING
40. INFANT TO MOTHER: CRIB TRANSPORT, PART I
41. INFANT TO MOTHER: CRIB TRANSPORT, PART II
42. INSERTION OF FOLEY CATHETER: MALE, PART I
43. INSERTION OF FOLEY CATHETER: MALE, PART II
44. IRRIGATION: CLEAN VAGINAL
45. IRRIGATION: LEVINE TUBE
46. IRRIGATION: THROAT
47. LABOR: ADMISSION SHAVE PREPARATIONS
48. MEDICATIONS: ORAL: SETTING UP
49. MEDICATIONS: RECTAL
50. MEDICATIONS: VAGINAL
51. NURSERY: BATHING NEWBORN I, PART I
52. NURSERY: BATHING NEWBORN I, PART II
53. NURSERY: BATHING NEWBORN I, PART III
54. NURSERY: BATHING NEWBORN II, PART I
55. NURSERY: BATHING NEWBORN II, PART II
56. NURSERY: BATHING NEWBORN II, PART III
57. NURSERY: DISCHARGE OF INFANT, PART I
58. NURSERY: DISCHARGE OF INFANT, PART II
59. NURSERY: INFANT TO MOTHER ARM CARRY, PART I
60. NURSERY: INFANT TO MOTHER ARM CARRY, PART II
61. OBSTETRICAL FORCEPS: CHARACTERISTICS
62. PEDIATRIC RESTRAINTS: ARM CUFF AND CRIB NET
63. PEDIATRIC RESTRAINTS: MUMMY
64. PERINEAL CARE: PREPARATION, FEMALE
65. PERINEAL CARE: FEMALE CLEAN
66. PERINEAL CARE: MALE
67. PERINEAL PAD PLACEMENT: FEMALE
68. PERINEAL PREPARATION: DELIVERY ROOM
69. RECTAL TUBE: INSERTION
70. REMOVAL OF FOLEY CATHETER: MALE
71. RESTRAINTS: LEATHER
72. RESTRAINTS: POSEY BELT
73. RESTRAINTS: SOFT
74. SHAMPOO: BED
75. TIMING CONTRACTIONS
76. APICAL-RADIAL PULSE
77. CARDIAC MONITORS
78. CIRCLE BED: BASIC OPERATION
79. CIRCLE BED: HAMMOCK SLING
80. CLOSED CHEST DRAINAGE: ONE BOTTLE & TWO BOTTLE
81. COMPRESSES: BURN
82. COMPRESSES: EYE
83. CRUTCH WALKING
84. CULTURES: WOUND, THROAT, NOSE
85. DEEP BREATHING AND COUGHING
86. FEEDING: ORAL-ASEPTO
87. FEEDING: TUBE-GASTROSTOMY
88. GROWTH AND DEVELOPMENT: FIFTEEN MONTHS, PART I
89. GROWTH AND DEVELOPMENT: FIFTEEN MONTHS, PART II
90. GROWTH AND DEVELOPMENT: EIGHTEEN MONTHS, PART I
91. GROWTH AND DEVELOPMENT: EIGHTEEN MONTHS, PART II
92. GROWTH AND DEVELOPMENT: TWO YEARS, PART I
93. GROWTH AND DEVELOPMENT: TWO YEARS, PART II
94. IRRIGATION: INTERMITTENT BLADDER
95. LOG ROLLING
96. MEDICAL ASEPSIS: ISOLATION, PART I
97. MEDICAL ASEPSIS: ISOLATION, PART II
98. MEDICATIONS: ADDING TO I.V.
99. MEDICATIONS: AMPULES
100. MEDICATIONS: CLOSED INJECTION SYSTEM
101. MEDICATIONS: EYE DROPS AND OINTMENTS
102. MEDICATIONS: INTRADERMAL
103. MEDICATIONS: INTRAMUSCULAR INJECTION
104. MEDICATIONS: MULTIPLE DOSE VIAL
105. MEDICATIONS: TABLET PREPARATION FOR INJECTION
106. MEDICATIONS: NOSE DROPS
107. MEDICATIONS: RECONSTITUTING A DRY DRUG
108. MEDICATIONS: SUBCUTANEOUS INJECTION
109. MEDICATIONS: Z-TRACK INJECTION TECHNIQUE
110. MUELLER-MORSCH RESPIRATOR
111. OXYGEN: CANNULA AND MASK
112. OXYGEN: CROUPETTE
113. OXYGEN: NASAL CATHETER
114. OXYGEN: TENT
115. PERITONEAL DIALYSIS: NURSING CARE
116. POSTURAL DRAINAGE
117. ROTATING TOURNIQUETS
118. SETTING UP INTRA-VENOUS SOLUTIONS
119. STRYKER FRAME
120. SURGICAL ASEPSIS: DRAIN SHORTENING
121. SURGICAL ASEPSIS: ISOLATION
122. TRACHEOSTOMY CARE: PART I
123. TRACHEOSTOMY CARE: PART II
124. TRACTION: CERVICAL
125. TRACTION: PELVIC
126. URINE TESTING: SUGAR AND ACETONE
127. ASEPSIS: STERILE VAGINAL IRRIGATION: PREPARATION
128. ASEPSIS: STERILE VAGINAL IRRIGATION: ADMINISTRATION
129. BANDAGING: EAR
130. BANDAGING: JOINT: ELBOW
131. BANDAGING: MITTEN: HAND
132. BANDAGING: SPIRAL REVERSE: ARM
133. BANDAGING: THUMB
134. BLOOD PRESSURE
135. BREASTS: ARTIFICIAL EMPTYING
136. BREAST FEEDING
137. CATHETERIZATION: FEMALE: PART I
138. CATHETERIZATION: FEMALE: PART II
139. CENTRAL VENOUS PRESSURE: OBSERVATIONS
140. INSERTION OF ANGIO-CATHETER
141. IRRIGATION: CATHETER
142. LEVINE TUBE INSERTION: PART I
143. LEVINE TUBE INSERTION: PART II
144. LIFTING AND MOVING
145. MEDICATIONS: INSULIN AND NARCOTICS
146. MEDICATIONS: ORAL: PART I
147. MEDICATIONS: ORAL: PART II
148. REMOVAL OF SIMPLE SUTURES
149. SUPRA PUBIC CATHETER: NURSING CARE
150. SURGICAL SCRUB WITH BRUSH: PART I
151. SURGICAL SCRUB WITH BRUSH: PART II

MODEL

DCNE

- 1) Cranium
- 2) Vertebra
- 3) Cervical Vertebrae
- 4) Lumbar Vertebrae
- 5) Brain & Nervous System
- 6) Spinal Nerves
- 7) Brain
- 8) Spinal Cord
- 9) Spinal Cord (Cross-Section)
- 10) Nervous Tissue and Nerve Cell
- 11) Teeth
- 12) Larynx
- 13) Tongue and Larynx
- 14) Nasal Cavity
- 15) Circulatory System (Dynamic)
- 16) Heart (Dynamic)
- 17) Lymph Node and Lymph Vessel
- 18) Blood Vessel
- 19) Digestive System
- 20) Stomach
- 21) Intestine
- 22) Skin Structure
- 23) Kidney
- 24) Kidney and Malpighian Bodies
- 25) Male Reproductive Organ
- 26) Female Reproductive Organ
- 27) Process of Conception
- 28) Pelvis and Perineum Muscle
- 29) Human Anatomy
- 30) Eyeball
- 31) Ear
- 32) Bronchopulmonary Segments
- 33) Uterus
- 34) Skeleton, Male

1

DCNE

- 35) Skeleton, Female
- 36) Brain
- 37) Bronchi
- 38) Lung
- 39) Heart
- 40) Portal Vein Circulation
- 41) Stomach
- 42) Intestine
- 43) Kidney
- 44) Suprarenal Gland
- 45) Liver and Pancreas
- 46) Genitourinary Organ
- 47) Endocrine Organ
- 48) Pathogenic Organisms
(Pest, Tuberculosis, Diphtheria, Dysentery, Typhoid,
Cholera, Paratyphoid Pneumonia, Cerebrospinal
Meningitis, Lockjaw Tetanus, etc.)
- 49) Feces Model of Communicable Diseases
(Cholera, Dysentery, Typhoid, Pest)
- 50) Parasite
(Ascaris Lumbricoides, Taenia Saginata Hookworm,
Taenia Solium, Trichostrongylus Orientals)
- 51) Conjunctivitis and Trachoma
- 52) Doll, OB
- 53) Trauma Sites

1

NURSING EDUCATIONAL INSTRUCTION INSTRUMENTS

DCNE

- 1) Model Doll 2
- 2) Baby, Resuscitation 2
- 3) Sphygmomanometer, Mercury 5

	DCNE
4) Sphygmomanometer, Aneroid	5
5) Stethoscope	5
6) Electric Thermometer	2
7) IV Injection ARM	2
8) EKG, Portable	2
9) Stop-watch	10
10) Catheterization Set	1
11) Midwifery Kit	5
12) Phantom, OB	3
13) Model, Plevis	3
14) Model, Pelvic Measure	2
15) Model, Fetus Developmental Process	2
16) Pregnancy Examination Technique	2
17) Model, Breast Massage Method	3
18) Bathing Doll	4
19) Infant Incubator, Portable	1
20) Pelvimeter, Martin	3
21) Pelvimeter, Breiskey	3
22) Vaginal Speculums	3
23) Delivery Set	2
24) Birth Control Instruction Set	5
25) Stethoscope, OB	5
26) Pump, Breast	2
27) Birth Calender	20
28) Icterometer (Neonatal jaundice)	3
29) Bedpan, Adult	2
30) Bedpan, Child	2
31) Pitcher, Water	2
32) Medication Set (Tray, Medicine Cups)	1
33) Injection Set (Tray, Syringes, Needles, etc.)	2
34) I.V. Set (Tray, Syringes, Needles, etc.)	3
35) Enema Set (Tray, Rectal Tube, Kidney basin, etc.)	1
36) Suture Set	2
37) Instrument Cabinet	3
38) " "	2

	DCNE
39) Gastric Irrigation Set	1
40) Head Mirror	1
41) Tracheostomy Set	1
42) IUD Set	3
43) Tongue Depressor	3

Vehicles

		D C N E	N T T S
Land Cruiser	Toyota FU56V-KQC	1	1

Books

1) Asperheim & Eisenhauer: The Pharmacologic Basis of Patient Care, 3rd ed. 1977	(Saunders)	3,450.
2) Barber et al.: Adult & Child Care; A Client Approach to Nursing, 2nd ed. 1977	(Mosby)	5,650.
3) Beyers & Dudas: The Clinical Practice of Medical-Surgical Nursing, 1977	(Little)	5,080.
4) Burrell, Jr. & Burrell: Critical Care, 3rd ed. 1977	(Mosby)	3,760.
5) Collins: Communication in Health Care; Understanding & Implementing Effective Human Relationships, 1977	(Mosby)	1,870.
6) Cromwell et al.: Acute Myocardial Infarction; Reaction & Recovery, 1977	(Mosby)	3,100.
7) Deloughery: History & Trends of Professional Nursing, 8th ed. 1977	(Mosby)	2,550.
8) Donahoo & Dimon III.: Orthopedic Nursing, 1977	(Little)	3,750.
9) Farrell: Illustrated Guide to Orthopedic Nursing, 1977	(Lippincott)	2,970.
10) Hare & Cooke: Bacteriology & Immunity for Nurses (Livingstone Nursing Texts), 4th ed. 1975	(Churchill)	2,170.
11) Hector: Textbook of Medicine for Nurses, 3rd ed. 1977	(Heinemann)	2,970.
12) Hoening & Scott: Medical Instrumentation & Electrical Safety; The View from the Nursing Station, 1977	(Wiley)	3,070

- 13) Huckbody: Nursing Procedures for Skin Diseases,
1977 (Churchill) 1,820.
- 14) Jacos: Pain; A Source Book for Nurses & Other
Health Professionals, 1977 (Little) 5,250.
- 15) Jensen et al.: Maternity Care; The Nurse & the
Family, 1977 (Mosby) 5,300.
- 16) Latham et al.: Pediatric Nursing, 3rd ed. 1977 (Mosby) 4,180.
- 17) Leahy et al.: Community Health Nursing, 3rd ed.
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Total 1,189,910.

付属資料 (1)

インドネシア国看護教育施設建設計画事前調査団
報 告 書

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I まえがき

わが国は、昭和54年度からインドネシア国の要請に基づき看護教育の分野において、技術協力及び無償資金協力を進行予定であるが、本調査団はこの協力の開始に先立って、技術協力の分野では具体的な内容の草案の作成を行い、無償資金協力の分野では、技術協力の草案に基づいてわが国が技術協力を進行に当たって必要な看護教育施設を建設するために必要な調査を行い、建設計画の立案に寄与する資料を収集することを目的として、昭和53年8月9日から同年8月22日までの14日間インドネシア国へ派遣された。

なお、今後この調査団の報告を受けて、技術協力の分野では、本年10月頃実施協議チームが派遣され、本調査団の草案をもとにした技術協力計画による討議議事録（R/D）が締結される予定であり、また無償資金協力の分野では、同時期に基本設計調査団（Basic Design Survey Mission）が派遣され議事録（Minutes）を締結する予定となっている。

II 調査団の構成

	氏 名	所 属	担当分野
団長	平 山 宗 宏	東京大学医学部教授	総 括
団員	広 瀬 正 士	国際看護交流協会理事	看護協力
"	森 山 弘 子	厚生省医務局看護課	看護教育
"	富 沢 展 一	" 整備課	看護教育施設建築
"	上 田 信 也	株式会社 日建設計	建 築
"	野 福 文 徳	国際協力事業団医療協力部医療第二課	業務調整

Ⅲ 調査日程

月 日	日 程		訪 問 先	目 的	相手国の参加・同席者等
	曜日	時間			
8 9	水	11:00	成田発 GA877デンパサル経由	往 途	市川書記官, 佐藤 JICA ジャカルタ事務所員, 金光専門家, 青柳事務官
		19:00	ジャカルタ着	打 合 せ	
10		20:00	ブレジデントホテル会議室	打 合 せ	Dr. Wirjawan 他, 市川書記官, 佐藤事務所員
	木	9:00	保健省教育訓練センター	表 敬	
11		12:00	保健次官 Dr. Soejoto	打 合 せ	市川書記官, 金光専門家
		13:00	ブレジデントホテル	表 敬	
12	金	9:00	吉良大使, 熊谷公使	挨 拶	宮本所長
		9:30	JICA ジャカルタ事務所	討 議	
12		10:00	保健省教育訓練センター	調 査	Dr. Wirjawan 他
		11:15	チランダック看護教員養成校	打 合 せ	
12		13:30	ブレジデントホテル	討 議	Mr. Johannes 他
		19:00	市川書記官主催夕食会	打 合 せ	
12	土	9:00	チランダック看護教員養成校	打 合 せ	市川書記官, 金光専門家
		10:30	保健省教育訓練センター	夕食及び打合せ	
		13:00	ブレジデントホテル		
		19:00	金光専門家宅		

日 月 日	程		訪 問 先	目 的	相手国の参加・同席者等
	曜日	時間			
8 13	日	11:45 14:15 17:00	ジャカルタ発 ウジェンバンバン着 レストラン「マラヌス」		Mrs. Fardiah, 金光専門家, 佐藤事務所員同行 Mrs. Fardiah
14	月	8:00 8:40 9:30 10:45 13:00 20:00	南スラウェシ州衛生部長Dr. Tadjuddin 崎山総領事 南スラウェシ州知事 ウジェンバンバン看護教員養成校 レストラン「アジアバル支店」 ピクトリアホテル	夕食と打合せ 表敬と打合せ 表 敬 表 敬 討議及フィールド調査 昼食及び打合せ 打 合 せ	Dr. Tadjuddin 他 Mr. Soerijanto 他
15	火	9:30 10:40	ヘルスセンター ダディ総合病院	視察及び討議 "	Dr. Adnan Mohmoed (所長) 他
16	水	15:30 18:30	ウジェンバンバン看護教員養成校 ウジェンバンバン発 ジャカルタ着	最終討議	Mr. Soerijanto 他
17	木		独立記念日で休日		
18	金	9:00	保健省教育訓練センター 調査結果をふまえて, 技術協力及び無償 資金による具体的協力関をインドネシア	説明・討議	Dr. Wirjawan 他

日 月	程		訪 問 先	目 的	相手国の参加・同席者等
	日	時間			
8	18	金	19:00	国側に調査団から説明し、それについて インドネシア国側と協議する。	
	19	土	9:00	JICAジャカルタ事務所主催夕食会 パベナス	Dr. A.R. Tillaar (保健担当部長)
			10:30	保健省教育訓練センター	Dr. Wirjawan 他
	20	日	19:00	市川書記官宅	夕食及び打合せ
				休 日	
			12:00	アレジデントホテル	打 合 せ
			18:30	金光専門家宅	夕食及び打合せ
	21	月	8:30	チアトマンギンクフモ病院	視 察
			11:00	保健省教育訓練センター	最終討議
			19:00	サヒッドヂャヤ	団長主催パーティー
	22	火	9:30	ジャカルタ発 GA874 香港乗り換え	帰 途
			21:00	成田着 JL462	

面 会 者 リ ス ト

1. 8月10日 保健省教育訓練センター

- Dr. Wirjawan Djojosingito,
Director of Education and Training Center (ETC)
- Drs. Sutia,
Head of the Administration Division, ETC
- Mrs. Fardiah Jasin,
Head of the Evaluation and Reporting Division, ETC
- Mr. G.F. Wattimena MD.,
Head of the Programming Division, ETC
- Mr. Putu Lawa,
Head of the Implementation and Monitoring Division, ETC

2. 8月12日 チランダック看護教員養成校

- Mr. Johannes Chairanding,
Director of the Teacher's Training School for Nurse and Midwife,
Cilandak Jakarta
- Mrs. Janne Annas,
Staff, the Teacher's Training School for Nurse and Midwife,
Cilandak, Jakarta
- Mrs. Aflah Hillan,
Staff, the Teacher's Training School for Nurse and Midwife,
Cilandak, Jakarta
- Mr. Anis K. Daud,
Staff, the Teacher's Training School for Nurse and Midwife,
Cilandak, Jakarta
- Mrs. Yumiarni A.D.,
Staff, the Teacher's Training School for Nurse and Midwife,
Cilandak, Jakarta
- Dr. Ny. Suepaduri Soetjipto,
Staff, Provincial Health Office, Jakarta
- Mr. Sudiman,
- Mrs. June Yip,
WHO nurse educator, ETC

3. 8月14日 保健省南スラベシ州衛生部

- Dr. Tadjuddin Chalid MPH,
Head, Provincial Health Services (P.H.S.)
- Dr. Hasan Anoeq,
Head, Board of Planning, P.H.S.

Mr. Arsyad Puji,
Health Educator, P.H.S.

Mr. Aris Panaurang,
Staff, Educational Division, P.H.S.

4. 8月19日 バベナス

Dr. A.R. Tillaar,
Chief, Division of Social Welfare

IV 調査内容

REPORT OF NURSE EDUCATION PROJECT SURVEY MISSION

1. Japanese Mission explained the progress of this project and the purpose of visiting. The first mission (chief: Prof. Katsunuma) had exchanged views with the authorities concerned on the possibility of cooperation in developing nursing education in Indonesia, and the second mission (chief: Mrs. Nagano) had made a survey on the present status of nursing education. This survey focused, as was requested by Indonesian side, to the nurse teacher training program. The purpose of this third mission is to make a feasibility study for this project--subjects on cooperation program on nursing education including place, land and scale of the new building needed for the project.
2. Japanese Mission explained the system of assistance by Japanese Government specifying character of technical cooperation and grant assistance.
3. Dr. Wirjawan, Director of Centre for Education and Training (CET) explained the Health Nurse Programme and stressed the significance of this programme in overall health policies as follows.

The majority of the people of Indonesia, has no access to the tremendous benefits of medical science. Survey in 1970 has indicated that only 1.8% of the population in the rural area has ever seen a doctor: only 18.2% has ever seen a paramedical worker.

This case illustrates very well the point that there is a gap between the progress of science and its utilization. In medicine new things continue to be discovered and developed, yet the majority of the people who could benefit from it never do.

It has been with great concern that the people's consultative assembly resolved in 1973 that the health service must be brought closer to community particularly to the rural community. To achieve this idea, Indonesia has made many efforts to create a health care system that meet the needs of the population, among others is the Health Centre system.

While Indonesia developing Health Centre System it was facing a problem in its nursing man power system. The fast development of general education has caused recruitment of nurse from elementary, followed by junior and finally senior high school graduates. This development and the trend to train nurses for specialized programs have caused a large number of different categories of nurses to come to existence.

The system became quite unwieldy and unmanageable, simplification of category of nurses became necessary and while doing this opportunity was seized to broaden the concept of nursing;

A new type of worker, "the Health Nurse or PK (Perawat Kesehatan)" was thus created. This category of nurse is a multipurpose worker who is expected to play an important role in the progress of health development in the community and the hospital as well. Her principal function being to diffuse health knowledge and technology for utilization by the people, the health nurse is practically the person who makes medical science work at the community level. Many pieces of health knowledge and technology which could mean the difference between suffering and welfare, even between life and death, could be made available to the villager through the health nurse. The simple medical science and technology that can be brought to the masses of the people by the health nurse and this delivery can make an impact on the health situation.

4. Indonesian side has proposed a new plan of "Development Centre for Nursing Education (DCNE, Balai Latihan) in Jakarta, in replacing formerly proposed extension plan of Health Nurse Teacher School in Jakarta, and new model Health Nurse Teacher School (HNNTS) in Ujung Pandang. The proposed physical facilities needed for DCNE in Jakarta and HNNTS in Ujung Pandang are shown in Annex - 1. Indonesian side explained that the new school in Ujung Pandang was to be expected as a model school in Indonesia for more than ten years.
5. Concerning newly proposed DCNE project, Indonesian side explained its concept and functions as follows:
 - I. Justification for the DCNE project:

The management of the development of the national program for the

education of the PK has often been ad hoc up until the present time. There have been many gaps, delays, and inadequate handling of administrative and technical problems mainly due to the following reasons;

- I.1. Management of the program has been carried out by staff that have many responsibilities other than for nursing education.
- I.2. CET lacks qualified nursing man power to develop national programs, curriculum guides for teacher training, basic training, retraining and advanced nursing, teaching materials and methodologies, to give technical guidance on school administration and advanced clinical techniques, to implement curricula, to monitor school or to carry out evaluation and research.
- I.3. The existing number of employees at CET cannot be augmented due to present administrative policies.
- I.4. Lack of economic resources to construct adequate facilities or to purchase teaching equipment, books, transport, and other materials needed for the development of the program and guidance of the schools.

Establishing a special unit with staffs who are responsible only for the development of nursing education could relieve the problem of part-time staffing. Establishment of DCNE would allow for employment of additional personnel. Fellowship abroad and domestic training with the aid of international nursing consultants may develop the qualified nurses needed. International assistance would definitely be required to supplement meager government economic resources to construct facilities and purchase materials needed.

We are, therefore, proposing the development of a national PK nursing education coordination unit which will have the necessary facilities, equipment, transport and man power in quantity and quality needed to resolve the above problems and to ensure smooth management of this nursing manpower development program so vital to Indonesia's national health goals.

II. Function of DCNE:

- II.1. Development of curriculum of health nurse education.
- II.2. Set up a policy for continuing education program of health nurse man power.
- II.3. Development of teaching materials.
- II.4. Development of teaching methodology.
- II.5. National examination and registration system.
- II.6. Accreditation of nursing school.
- II.7. Reporting and recording system.
- II.8. Evaluation of the health nurse education program.

III. Project Goal:

Development of nursing education in Indonesia will be systematically and efficiently managed by an adequately equipped and staffed coordination unit. Project outcomes will include: a well-equipped physical unit with qualified staff, standardized curricula relevant to Indonesia's health needs at the basic level and the advanced nursing level, and a supervisory system for monitoring and evaluating existing nursing schools.

6. Indonesian side explained that the DCNE is to be established by reorganizing the National Training Centre (NTC) in Jakarta--one of the existing units attached to CET--as a unit of CET, in line with CET's policy in specializing centres for nursing, nutrition, CDC, Sanitation technology, etc.
7. Indonesian side proposed comprehensive technical cooperation to develop the DCNE. As the DCNE is to carry out national programme, it is expected to play an important role in guiding nurse education technique.
8. Through the discussions, Japanese Mission has understood the new plan of DCNE might be adequate for the project, and will report to the Japanese Government with the following comments:

- (1) As DCNE belongs to CET directly, this unit is a national centre for nursing education in Indonesia. This centre and a local HNTS in Ujung Pandang might be one set of the project, because this kind of centre needs some field or model schools for tests of new educational media and techniques and also for evaluation of them.
 - (2) The development of DCNE in Jakarta, the capital of Indonesia, is expected to bring the new curriculum, technique and media for education to whole country through not only HNTS in Ujung Pandang school but also other schools.
 - (3) DCNE must be adequate base office for the specialist from Japan, when this project is taken up. They will be able to visit the schools and communities to make advices.
 - (4) As the objectives which might be developed at DCNE are multiple, such as basic nursing, clinical nursing, medical electronics, laboratory techniques, community health, health education, statistics, education techniques, etc. specialists from Japan would be recruited in wide health fields.
9. As the cooperation program, Indonesian side proposed the sending of specialist from Japan and acceptance of Indonesian trainees (fellowship) to Japan as shown in Annex - 2. List of needed equipment is attached as Annex - 3.
 10. Corresponding the item 9, Japanese side pointed out that Indonesian counterpart for each Japanese specialist must be provided. The cooperation between Japanese specialists and Indonesian counterparts is most important for the success of this program.

Adequate number of persons must be recruited as staffs of DCNE organization. In this connection, the Japanese side requested to be informed of the plan of staffing in line with the expected organization of the DCNE.
 11. The result of the observation and requirements for Ujung Pandang HNTS are attached (Annex - 4).

12. Based on the observation in Ujung Pandang, the Japanese side pointed out that the candidate land would not be feasible from technical view point. The mission recommended Indonesian side to look for the alternative of the better condition before the arrival of the next team.
13. The result of the observation and requirements for Jakarta DCNE are attached. (Annex - 5)
14. The list of works is attached as reference. (Annex - 6)
15. The mission requested Indonesian side to complete all the requirements before the arrival of the next team. (Land acquisition, topographic survey, soil investigation, Organization of DCNE)
16. Any of the above items does not mean any commitment of the Japanese Government.

ANNEX - 1.

LIST OF FACILITIES/BUILDINGS

ROOMS	DCNE/Jakarta sq meter x number of rooms	HNTS/Ujung Pandang sq meter x number of rooms
Administrative part.		
Office for Director	30 x 1	30 x 1
Office for teachers		120 x 1
Secretarial staff	30 x 3	80 x 1
Consultants	20 x 3	
Staff's room	20 x 4	
Drawing room		30 x 1
Conference room	30 x 1 20 x 1	50 x 1 25 x 1
Part time lecture room		30 x 1
Counseling room		25 x 1
Reproduction room	30 x 1	25 x 1
Storage	20 x 1	
		25 x 1
Records room	20 x 1	
Kitchenette	10 x 1	25 x 1 (w/storage & servant room)
Lounge, toilet, corridor, etc.	195	235
(Sub-total)	(585)	(700)
Teaching part.		
Audio-visual room (class room)	150 x 1	100 x 1
Class room		85 x 2
Conference room	20 x 4	40 x 2 30 x 3
Studio	80 x 1	
Laboratory for audio-visual	50 x 1	
Nursing Laboratory	60 x 1	125 x 1

	DCNE/Jakarta	HNTS/Ujung Pandang
	sq meter x number of rooms	sq meter x number of rooms
Biological lab.	60 x 1	60 x 1
Chemical lab.	60 x 1	60 x 1
Nutrition Lab.	60 x 1	60 x 1
Exhibition room	60 x 1	40 x 1
Library	130 x 1	120 x 1
Individual study room		30 x 1
Storage	40 x 1	
		60 x 1
Preparation room	20 x 1	
Lounge, toilet, corridor, etc.	425	500
(Sub-total)	(1275)	(1495)
<hr/>		
Dormitory		
Bed rooms	20 x 20 (1 person)	25 x 30 (2 persons)
Bath rooms	(w/bath & Toilet)	5 x 20
Dinning room	75 x 1	120 x 1
Kitchen	50 x 1	50 x 1
Kitchenette	10 x 5	4 x 6
Laundry	20 x 1	20 x 2
Ironing & sawing	20 x 1	20 x 1
Conference room		30 x 2
Recreation room		100 x 1
Reception room	20 x 1	
Dormitory inspector room		70 x 2
Storage	20 x 1	20 x 4
Lounge, corridor, Toilet, etc.	330	746
(Sub-total)	(985)	(2230)
<hr/>		
Garage, mechanical room, etc.	250	350
Connecting corridor		200
<hr/>		
Total :	3095	4975

LIST OF PROPOSED CONSULTANTS AND FELLOWSHIP

Specialist from Japan.

1979	long term consultant (one year or more).	
	Nursing education (general) - - - - -	1
	short term consultants (two months or more)	
	Clinical nursing - - - - -	1
	Community health - - - - -	1

According to the analysis of present status on nursing education in Indonesia, concrete assistance program will be prepared.

1980	Long term consultants	
	Nursing education (general) - - - - -	1 or 2

1983	Short term consultants	
	*1. Clinical nursing (Pediatric, medical & surgical)	} - - - - - 3-4 per year
	Maternal and child health (incl. Family planning)	
	2. Education media preparing	
	School administration	
	Statistics	
	3. Mental health	
	Community health	
	Health education	
	4. Medical electronics	
	Educational techniques	

Developments of curriculum, educational media, educational media, educational method, evaluation of education, etc. will be prepared and studies.

Fellowship	(Training in Japan).	
1978	Short term visit (2-3 months)	
	Leader of counterpart	----- 1
1979	Long term visit (6-12 months)	
	Counterparts and teachers	----- 4 - 5
1983		per year

Trainees will observe and study--curriculum preparing, educational equipments and techniques such as audio visual system, medical electronic, and clinical nursing, community health service, etc.

* : Number shows priority.

ANNEX - 3.

COMBINED LIST OF EQUIPMENT FOR JAPANESE ASSISTANCE
TO UJUNG PANDANG TEACHER TRAINING + PK COORDINATION UNIT

<u>CAT No.</u>	<u>TEACHING EQUIPMENT</u>	<u>No. NEEDED</u>
F-AS 3000A	Projector, Slide + Filmstrip	2 2
B - S11	Projector, 16 mm	2
B - S10	Projector, 8 mm	2
E - 213	Projector, overhead Transparencies, roll Transparencies, sheet, box	2 8 10
E - 45	Transparencies, maker	2
B - S20	Screen, portable Projector lamp Tape Recorder Cassettes Video tape machine Video tape camera, portable	2 8 2 40 2 2
F - TM7100	Video tape viewers Video tapes Filmstrip production Kit Camera, 35 mm (microphone + speakers) Sound System Microphone, portable Films + Slides White board Pens, plastic, box Flipchart Standard	6 20 2 2 2 6 4 10 8
	<u>OFFICE EQUIPMENT</u>	
	Xerox machine Stencil machine Stencils, Box	2 4 10

<u>CAT No.</u>	<u>OFFICE EQUIPMENT</u>	<u>No. NEEDED</u>
	Paper, PKG	10
	Ink, Tube	10
	Paper cutter	2
	Calculator, Desk	2
	Calculator, portable	30
	Cabinet, Filing	20
	Typewriter, 18"	4
	" , 27"	3
	" , portable	6
	TOSHA FAX	2
	TOSHA FAX MACHINE TABLE	2
	EPISCOPE	2
	<u>GENERAL NURSING</u>	
	Mannekin, Multi-Purpose	2
B - A3	Human torso	2
A - S31	Human Eye	2
A - S28	Human Ear	2
B - A47	Lung, Transparent	2
	Uterus + Cervix	2
A - J17	Skeleton	2
B - M22	IV Injection ARM	4
D - CM5855	Phantom, OB	2
	Anatomy Charts, Set	2
	Anatomy, Pregnancy	2
	Birth Atlas	2
G - B 655	Catch bed (Mattress, Pad, Linen, Pillow, Towels, Linen bag)	4
G - BY 1	Cabinet, Bedside	4
	Chair, Bedside	4
G - BM 1	Table, Bedside	4
B - K 96	Sphygmomanometer, mercury	8
	Aneroid	8
D - CA 1012	Stethoscope	16
	Basin, Bath	2
	Basin, Wash	6

<u>CAT No.</u>	<u>GENERAL NURSING</u>	<u>No. NEEDED</u>
	Stand, Wash, Basin	2
	Bedpan, Adult, Child	4
	Bedpan, Fracture	2
	Urinal, Male, Female	8
	Thermometer, Auxiliary	20
	" , Rectal	6
	" , Oral	6
	Tape measure	2
	Scale, Adult	2
	Hammer, Reflex	2
	Fork, Tuning	2
	Tongue depressor	4
	Mirror, Laryngeal	4
B - K 137	Storage cabinet	6
B - K 131	Trolley	2
	Sterilizer	2
G - RS 20	Autoclave	2
D - NS 100	Jars, Dressing	8
G-OLW TSP	Sterile Containers	2
G-06W TSM	" "	2
	Show Case	4
		2
		2
	Stove, Kerosene	2
	Crutohes	2
G-QE 5	Stretcher	2
G-CF 77	Walker	2
G-CF 100	Wheelchair	2
	Bag, Hot Water	2
	Bag, Ice	2
A - T8	Cushion, Invalid	2
	Gloves, Rubber Misium, Small	48
	Sheeting, Rubber	20 m
	Sheeting, Plastic	20 m
	Tubing	20 m

<u>CAT No.</u>	<u>MEDICATION SET</u>	<u>No. NEEDED</u>
	(Tray, Medicine cups)	2
	<u>Injection Set</u>	10
	(Tray, syringes 2½ ml 5, 10, 20, 50 cc Insulin, tuberculin needles 20, 22, 24, 26 G)	
D - IV 12	<u>IV SET</u>	
	(Tray, Tourniquet syringe 2½ cc, Splint, Needles 18, 18G, Tape, Connectors, Straight, T.Y, Tubing, Cannulae, Transfusion, Can, Sponge, Clamp)	
G - B 45	IV Standard	8
D - CM 5695	<u>SHAMPOO SET</u>	2
	Stop watch	2
	<u>ENEMA SET</u>	2
	(Irrigating Can, 1½ liter Tubing 316", Clamp, Connector, Rectal tube, Lubricant, Kidney basin)	
	<u>CATHETERIZATION SET</u>	2
	(Catheters 8, 10, 12, 18 FR. Foley Bowis x 2, Kidney basin x 2 sterile towels, sterile lubricant, paper bags	
	Scissors, Bandage	20
	Scissors, Gauze	8
	Canister, 120, 180, 200 mm	12
D-NS490	Tray, Instrument	6
D-NS190	Tray, Instrument, cover	6
	Tray, Catheter	2
	Tray, Sterilization	8
	(Otoscope)	
	Speculum, Ear, Nose	2
	" (proctoscope)	
	" , Anus	2
	Syringe, Bulb	2

<u>CAT No.</u>	<u>TRANSPORT</u>	<u>No. NEEDED</u>
	Mini Bus 2 U.P.	
	2 C.U.	4
	Jeep 1 U.P.	
	2 C.U.	3
	Motorcycle U.P.	4
	Bicycle U.P.	40
	<u>PEDIATRIC</u>	
	Bath Basin, Baby	2
D - NS 42	Scale, Baby	2
B - K 109	Scale, Spring	8
D-CM 5769	Incubator	2
D-CM 5748	Isolette	2
G - BN 65	Crib	2
D-CM 5814	Dressing Table	2
	Bottles, Formula	20
	Nipples	20
G-OGW 2767	Sterilizer, Bottle	2
	Pitcher, Measure	2
D - CM 60	Aspirator, Nasal	2
D - CF 610	Cut-Down set	2
D - IV 20	Needles, Scalp	6
D - CF 330	Ped. Surgical set	2
	Toys, Washable	10
	Blocks, wooden	2
	<u>OBSTETRIC</u>	
D - CM 6900	Gyn exam table	2
D - CM 5738	Ob delivery table	2
C-page 20	Birth control Kit	20
	IUD set	20
	Birth calendar	20
	Infrared Lamp	20
C-page 66	Pump, Breast	2
D-CA 1012	Stethoscope, OB	4
D-FP 3A	Stethoscope, Ultra Sound	2
D - CSI	Fetal pulse detector	2

<u>CAT No.</u>	<u>PELVIC EXAM SET</u>	<u>No. NEEDED</u>
D-CM 5060	(Speculums, bivalve 3	2
5026	" doubled	
	ended 1	
D-CM 5371	pelvimeter, Martin)	
D-CM 5530	Exam lamp	2
	<u>DELIVERY SET</u>	2
D-CM 5573	(Forceps, OB	
D-CM 5134	" , Uterine	
5293	" "	
5590	" , Placenta	
5270	Curette, uterine	
5620	" "	
5080	Dilator, "	
	Director, grooved 4"	
	" " 6"	
D-CM 5109	Sound, uterine	
5114	Forceps, tissue x 6	
D-CE 1754	Kocher, hemostat x 12	
1929	Needle Holder	
1841	" Suture x 12	
	<u>OBSTETRIC</u>	
	Scissors, Episiotomy	
D-CM 5668	" , Umbilical	
	Suture, OB, Size 1 x 6	
D-CM 5243	Cesarean set	2
D-CE 1918	Forcep, Clip	2
D-CE 1915	Slips, Wound	6
D-CE 1912	Clip Remover	2
	<u>MED - SURG</u>	
D-OX 100	Oxygen tent, Adult	2
	" " , Child	2
D-OX 135	" masks, Adult	24
D-OX 20	" " , Child & Infant	12

<u>CAT No.</u>	<u>MED - SURG</u>	<u>No. NEEDED</u>
D-OX 632	Oxygen tank + Resistator	2
D-OX 1020	" flowmeter	2
D-OX 35	" analyser	2
	" Hood	2
	Ambubag (resussi)	4
	Suction machine	2
H-ECG 1201	EKG, Portable	2
	Defibrillator	2
	IPPB machine	2
D-RO 1010	Ultrasonic nebulizer	2
	Nebulizer, Hand	2
G-OGW B-101	Dressing cart	2
	Emergency cart	2
	<u>SURGICAL PREP SET</u>	2
	(Ragor, Blades, Bowl x 2, Kidney Basin, gauze sponge)	
G-- C 51	Surgical table, small	2
G - C 13	Pail, waste	4
G-CF 57	Traction, Bed foeding	
	<u>GASTRIC LAVAGE SET</u>	2
	(Pitcher, funnel, Tubing 14, 16 3/16" 50 cc syringe, conical needle, kidney Basin, Bowl, Rubber cape, test tubes)	
	<u>TRACHEOSTOMY SET</u>	
	(Tracheal trocar set, Bowls x 2, sponges, nasal catheter, mayo forceps, pipe stem clerners)	
	<u>NUTRITION LAB.</u>	
	Refrigerator	2
	Kitchen Table	12
	Cupboard	6
	<u>FILM SLIDE</u>	
	<u>SPECIMEN, MODEL</u>	

CAT No.	MED - SURG	No. NEEDED
	<u>DRESSING SET, STERILE</u>	2
	(Forceps, 2 smooth thumb	
	Borols - 2 x 2 sponges	
	Bowls 4 x 4 sponages	
	Bag, Antiseptic Solution)	
	<u>ISOLATION SET</u>	2
	(Gown, Mask, Gown Rack Cloves, laundry bag)	
	<u>SURGICAL SET</u>	2
	(Retractors, Scalpel-Blades 10, 12, 22 handles	
	3, 4	
	Hemostats x 12 Forceps, Sponge	
	Forceps, Sterile	
	" , Utility	
	" , Tissue	
	(Round, triangle)	
	Needles, Suture 3/8, 1/2	
	Needle Holders	
	Scissors	
	Bowls	
	Basins, Kidney	
	Trochar + Stylet)	
	Needles - 19 x 2 1/2"	2
	Spinal 19 x 3 1/2"	4
	Pleural inf. Stop	2
	<u>MISCELLANEOUS</u>	
B - K 134	Audiometer	2
	Stryker frame	2
	Midwifery Kit	20
	PHN Kit	20
	<u>LABORATORY</u>	12
	Urin suger eqpt.	2
	" allumin	2

CAT No.	LABORATORY	No. NEEDED
	Urinometer, spec. gravity	2
	Alcohol lamp	2
	Litmos indicator paper, red, blue	6
	Filter paper, pkg 100	6
	Test tubes, rim	48
	Test tube rack	4
	Clamp, test tube	6
	Brush, test tube	6
	Funnel, glass 65 mm	6
	Haemoglobinometer set, sahli	2
	Spare haemoglobinometer tube	10
	Pipettes	20
	Slides, microscope, box	4
	Cover glass, box	2
	Urine test tapes glucose, acetone, alumin	6
	Haemoglobinometer, battery	2
A-L 53	Microscope	2
	Sedimentation rate analyser	4
	Laucets, straight	8
	Incubator	2
	Experiment table	12
	Refrigerator	2
	Closet	4

ANNEX 4.

OBSERVATION AND REQUIREMENT
UJUNG PANDANG HNTS

The Japanese Mission has observed the proposed site and its surroundings. Followings are comment and requirement derived from the observation:

1. The proposed site, which is part of 20 ha area of reserved property for the Department of Health and the provincial government, is a mixture of swamp and damp paddy field.

Our preliminary survey indicates that the proposed site is inadequate to the building construction due to two reasons:

- * The soil would be of silt layer which cannot support structure.
- * Too high level of underground water (Appendix 1.).

The Mission requests the alternative site outside this area, which is to be decided by the end of coming september. The required area would be not less than 3 ha.

2. The originally proposed site needs a reclamation for 1.5M. It has an inclination running from north (USAID candidate site for 2 ha) to south (this project). If the reclamation work is needed for the alternative site, it should be completed in early next fiscal year by the Indonesian side so that the subsequent foundation work can be done by the rainy season.
3. A topographic survey is needed regardless of the condition of candidate site, and its specification is provided in Appendix 2. This is due by the end of coming September.
4. A soil investigation is also prerequisite to the project formation. The specification is attached in Appendix 3.

5. The improvement of existing service road from Jl. Veteran for 500 m is necessary. The work will include a levelling-up (in rainy season the road is flooded), new pavement, drainage system on the road side and construction of four small bridges. If the new site is proposed, the case will be different.
6. 60 KVA of power will be needed and the installation of substation will be done by PLN in time. The possibility of telephone wiring depends upon the location of the site. If the originally proposed site is used, the wiring will be ready only around the end of 1980.

Two sets of deep well are required as part of Indonesian works.

Kompleks Kesehatan
Bantareng Yung Pan

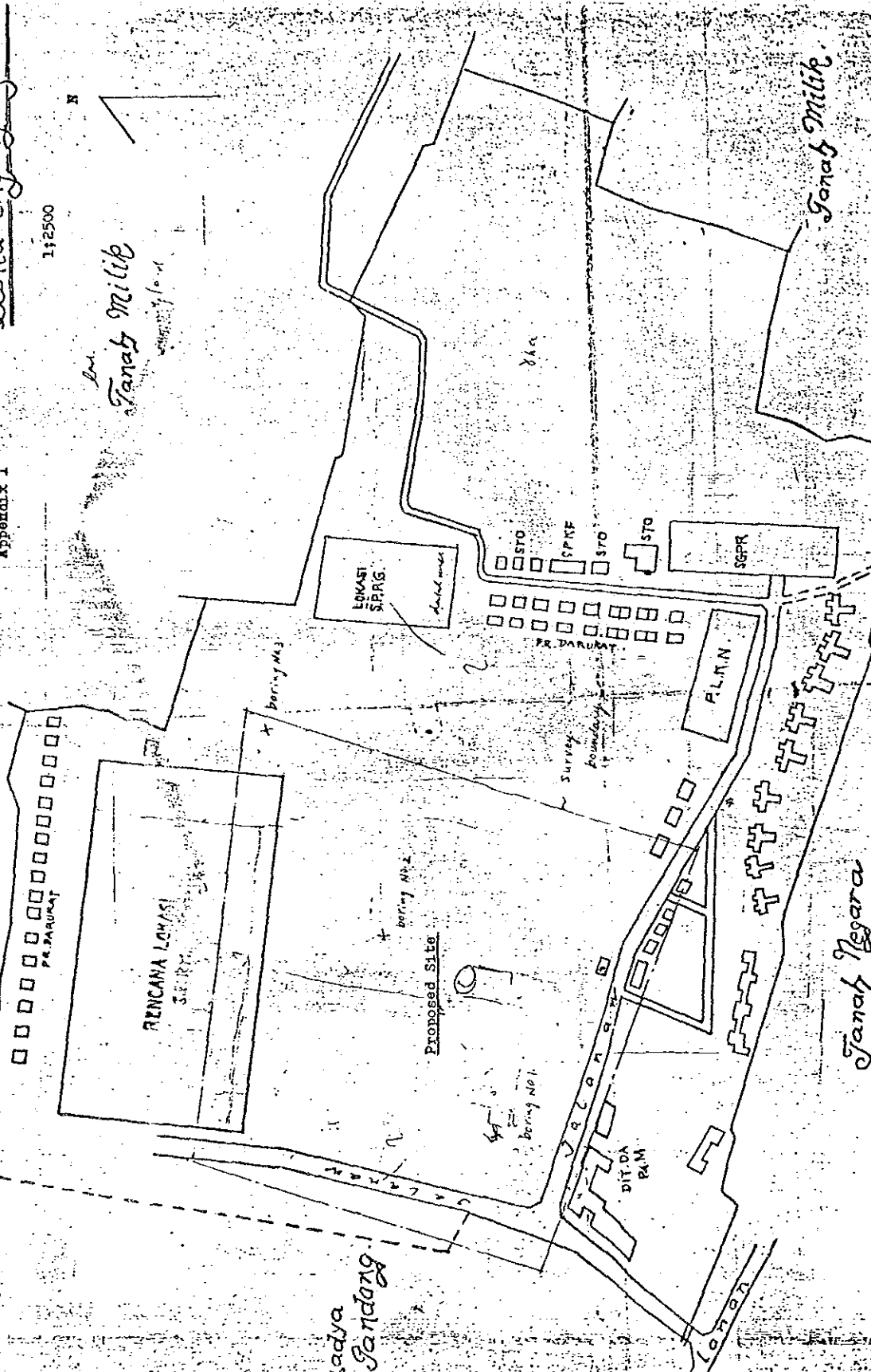
Appendix 1

1:2500

Kampung

Ujung Pandaug

Originally Proposed Site



Jadya
Sandang

APPENDIX 2.

SPECIFICATION FOR TOPOGRAPHIC SURVEY

UJUNG PANDANG HNTS.

It is expected that the result of following topographic survey be ready by the end of September, 1978. The survey must be carried out by the Indonesian side and is considered as one of the prerequisite for the project formation.

1. Drawings to be prepared.

Plan (scale 1/500)

Sections (scale 1/500 for horizontal and 1/500 for vertical)

Section drawing must be done at 30 m interval for each direction.

2. Area to be surveyed.

Proposed site and its surroundings including the roads and ditches.

3. Items to be investigated.

a. Coordinates (10m by 10m spacing to show the elevations).

b. Location and shape of existing facilities such as roads, ditches, drainages, wells, trees, fence, buildings, etc.

c. Location of bench mark (MSL +) near the site. Also indicate its relationship to the standard ground level within the site.

APPENDIX 3.

SPECIFICATION FOR SOIL TEST

UJUNG PANDANG HNTS

It is expected that the result of following soil tests be prepared by the Indonesian side by the end of September 1978. This is one of the pre-requisites for the project formation.

1. Number of locations.

Three (3) regardless of the site.

2. Depth of holes to be bored.

30 m deep at each hole.

3. Items to be investigated.

a. Core boring at two locations.

b. Standard penetration tests.

The test must be carried out at every 1 m interval.

c. Undisturbed sampling

It is to be done for all the clay and silt layers.

d. Soil Test.

The following test must be made for each layer by use of samples:

d-1. Specific gravity test.

d-2. Bulk density test.

d-3. Mechanical analysis of soil.

d-4. Liquid limit and plastic limit tests.

d-5. Unconfined compression test.

d-6. Consolidation test.

d-7. Sieve analysis test for each sand layer.

ANNEX 5.

OBSERVATION AND REQUIREMENT

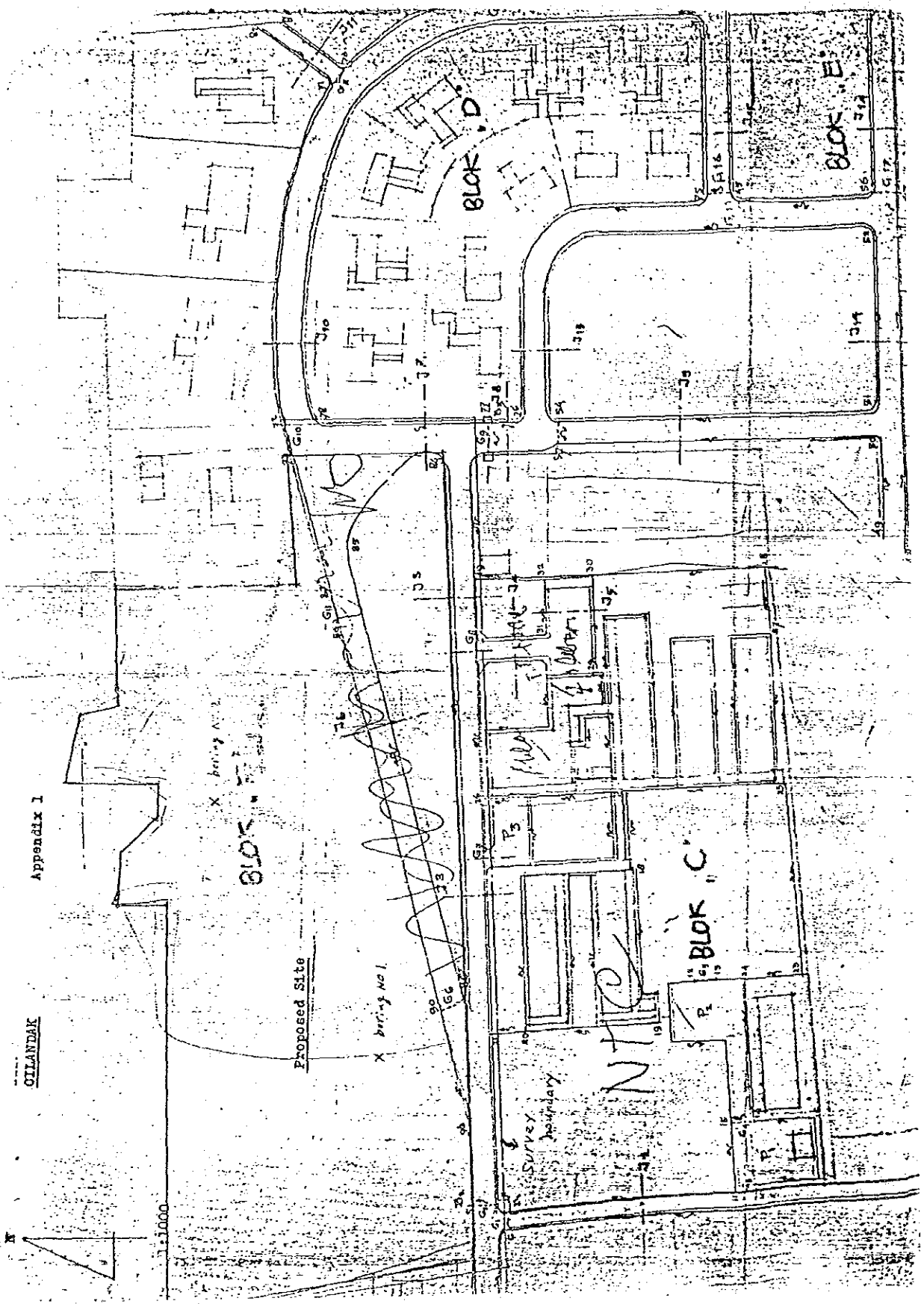
CILANDAK DCNE

The Japanese Mission has observed the proposed site and its surroundings. Followings are comment and requirement derived from the observation:

1. The proposed site, which is part of reserved property for the Department of Health, is located in front of the present Health Nurse Teacher School with a service road in between. The required area for the project is 1.5 ha. (Appendix 1.)
2. The site has an inclination; The eastern part is only 0.5 m lower than the front road, while the western part more than 2.5 m lower than the surroundings. The average dimension for the required reclamation will be 1.5 m after compression work. The reclamation must be completed in early next fiscal year by the Indonesian side so that the subsequent foundation work can be finished by the rainy season.
3. There are no accurate topographic maps available for the project. The survey service must be rendered by the end of September by the Indonesian side, and its specification is provided in Appendix 2.
4. Although the preliminary observation indicates the fair quality of soil with low underground water, an appropriate soil investigation is indispensable for a rational engineering. The specification for this is attached in Appendix 3.
5. The improvement of existing service road for 600 m from the main street is needed. The work may include the new pavement and the construction of drainage system on the road side.
6. The power with 45 KVA will be supplied by new installation of system of PLN. The possibility of telephone wiring by PT depends upon the availability of budget. Two sets of deep-well are also part of Indonesian works. The quality of water must be checked by the relevant authority. The preliminary survey indicates the quality of water fairly acceptable.

GILANDAK

Appendix 1



APPENDIX 2.

SPECIFICATION FOR TOPOGRAPHIC SURVEY

CILANDAK DCNE

It is expected that the result of following topographic survey be ready by the end of September, 1978. The survey must be carried out by the Indonesian side and is considered as one of the prerequisites for the project formation.

1. Drawings to be prepared.

Plan (scale 1/500)

Sections (scale 1/500 for horizontal and 1/50 for vertical)

Section drawings must be done at 30 m interval for each direction.

2. Area to be surveyed.

Proposed site and its surroundings including the roads and ditches.

3. Items to be investigated.

a. Coordinates (10 m by 10 m spacing to show the elevations).

b. Location and shape of existing facilities such as roads, ditches, drainage, wells, trees, fence, buildings, etc.

c. Location of bench mark (MSL +) near the site. Also indicate its relationship to the standard ground level within the site.

APPENDIX 3.

SPECIFICATION FOR SOIL TEST

CILANDAK DCNE

It is expected that the result of following soil test be prepared by the Indonesian side by the end of September, 1978. This is one of the prerequisites for the project formation.

1. Number of locations

Two (2) as shown.

2. Depth of holes to be bored.

20 m deep at each hole.

3. Items to be investigated.

a. Core boring at two locations.

b. Standard penetration tests.

The test must be carried out at every 1 m interval.

c. Undisturbed sampling

It is to be done for all the clay and silt layers.

d. Soil test.

The following tests must be made for each layer by use of samples:

d-1. Specific gravity test.

d-2. Bulk density test.

d-3. Mechanical analysis of soil.

d-4. Liquid limit and plastic limit tests.

d-5. Unconfined compression test.

d-6. Consolidation test.

d-7. Sieve analysis test for each sand layer.

ANNEX 6.

LIST OF WORKS

Following items will be included as required works which should be covered by both Indonesian and Japanese sides.

- a. Land acquisition.
- b. Reclamation/levelling work.
- c. Topographic survey/soil investigation.
- d. Improvement of access road.
- e. Connecting works for power, telephone wiring and deep-wells.
- f. Building construction.
- g. Equipment including setting and connecting works.
- h. Exterior drainage/septic tanks.
- i. Exterior pavement and lighting/Landscaping.
- j. Gate and fence.
- k. Furniture and other decorative works.

