

5. リーダーあて調査表回答

A. 農業普及部門

リーダーあて調査依頼の件について報告

1. プロジェクトの選定，形成の適正度

a. プロジェクトの選定は時機を得たものだったと考える。

その理由としては

- (1) カセサート大学が、タイの農業発達に大きな貢献をして来た歴史から見て、カセサート大学以外の、例えば

農林省の農業普及事業

内務省の農村発展普及事業

教育省の社会教育普及事業

厚生省の農村衛生普及事業

のいずれかに、普及センターを設置したとしても、利用は偏ったものとなったであろうと推定される。

- (2) カセサート大学は、普及事業の歴史が長く、多数の人材をタイの各方面に輩出しており、各界、各層、各部門とも人的つながりがあって、センターの運営上で、他機関と容易に連携しうること。

- (3) プロジェクトの立地が、バンコクより、100キロ離れた僻地にあることが、かえって、研修に集中できる利点となり、また、研修責任者にとっては、研修生の承握が容易になるため、施設の利用が盛んである。

2. プロジェクトの管理，運営上の問題点

カセサート大学には、4付属機関、15試験場があり、こうした機関、施設の運営には熟練している。

普及訓練センター（NETC）は、長い歴史と、すぐれた実績をもつ、普及オフィス（Extension Office）（バンケン）の機能の拡大であるため、オープンして、すぐに事業に着手し、活動してきた。

また、NETCのスタッフは優秀であり、ことに、普及訓練担当者は、普及の Master Degree をとった者のなかでも、有能な人材を採用してきている。

センターの各部門間には、その活動において、若干のアンバランスがあるが、この調整は今後の課題である。

施設、機材の利用は、極めて有効に、頻繁に行なわれており、この利用による収入（年間250-300万バーツ）もあることから、将来も運営上の問題は、NETC自体で解決し、

発展させていけるものと判断する。

3. 相手国の対応における問題点

タイ政府の赤字財政による緊縮予算、人員削減方針にもかかわらず、NETCが着実に、人員、予算とも増やしてきたことは、特筆に値する。これには Extension Office (Bangkhen) の Director である Professor Phorn の活動、政治力によるところが大きい。

Project 期間中に、相手国側の対応が、事業の障碍となつたことはない。

4. 周辺への波及効果

a. 普及事業そのものの普及効果としては、各種の普及研修訓練を通じてのものがあつて、研修生が養豚をはじめたり、野菜、マッシュルーム栽培で収益をあげたりしているのを見聞している。

b. NETC の施設、機材は、充実していて、高級なものがあるため、Chiangmai 大学、Khongkhen 大学のいずれの Extension 部門とも小規模のものでもよいから JICA の援助を得たいが、どういふ手続きが必要かと、当リーダーにたびたび照会があり、見学に来た。

5. 引継ぎ上の問題

a. 全般的には大きな問題はない

b. Video 製作部門の活動を、さらに活発にするため Video 作成委員会の設定を提案したい。この委員会によって、年次計画、年間計画、実績検討、さらには、数年後の機材の更新、補充などが、討議されることを希望する。

c. NETC のセンター内での研修、訓練はよく行われているが、センター外（農村での農民、リーダー、青少年など）への普及活動が低調である。予算の制約もあるが、将来の組織的活動の充実を望む。

d. 第三国研修は、独自で DTRC とともに実施しているが

1. Rural Communication (Mass Media)

2. Rural Development Extension Method

の二分野での、第三国研修 (JICA) を要望する。

施設、機材、人材とも、おそらく、東南アジア、アフリカでの最も立派な存在ではなからうか。

6. タイ側の投入実績 Data

- | | | | |
|------------|----|------|-------------|
| (1) C/P 配置 | 別紙 | 1 | および C/P 一覧表 |
| (2) 予算措置 | 別紙 | 1, 2 | |
| (3) 施設整備状況 | 別紙 | 3 | |

NETCの人員、収入状況

(人員数)

	STAFF	WORKER	TOTAL
1981 July	18	21	39
1982 Mar.	20	21	41
July	27	21	48
Dec.	32	29	61
1983 Jan.	36	29	65
AUG.	40	34	74
1985 Feb.	41	38	79
1986 Mar.	44	40	84

(収入)

	1982-83	1983-84	1984-85
	baht	baht	baht
印刷事業	247,854	361,320	753,739
教室利用料	291,420	318,213	321,500
寄宿舍宿泊料	1,975,885	1,890,925	1,867,715
その他	192,428	184,877	162,457
合計	2,707,587	2,755,335	3,105,411

(当該年度の支出) 1,632,310 2,625,482 1,760,300

別紙 - 2

(I) Budget For

Extension & Training Center (Include NETC) Unit: Baht

	1982-83	1983-84	1984-85	1985-86
Salary	3,432,900	4,897,100	5,131,620	5,600,200
Employer	389,300		727,640	
Temporary	15,000		0	0
Materials	1,250,000		1,487,000	1,410,255
Equipment	1,983,400	901,000	849,400	338,000
Expenses	500,000		930,486	869,740
Public Utility	1,000,000	1,230,000	1,230,000	1,035,000
Others	250,000	2,952,700	375,364	383,708
Total	8,820,600	9,950,800	10,731,510	9,636,903

(II) Budget Used By NETC (1984 ~ 85)

	Government	NETC	Total
Salary	2,328,840 Bt	0 Bt	2,328,840 Bt
Employer	169,920	217,349	387,269
Temporary	0	0	0
Materials	1,281,241	391,854	1,673,095
Equipment	87,500	378,387	465,887
Expenses	213,736	377,060	590,796
Public Utility	866,949	0	866,949
Others	90,423	395,650	486,073
Total	5,038,609	1,760,300	6,798,909

(III) Income Of NETC (1984 ~ 85)

	1983-84	1984-85
Printing Shop	361,320 Baht	753,739 Baht
Classroom	318,213	321,500
Dormitory	1,890,925	1,867,715
Others	184,877	162,457
Total	2,755,335	3,105,411

(IV) NETC 1984-85	Income	3,105,411 Baht
	Expense	1,760,300
	Balance	1,345,111

施設 機材 整備状況

	Thai Government Budget	NETC Budget
1981	1 042 714	39 950
1982	318 150	612 470
1983	693 630	227 660
1984	355 705	609 000
1985 (until Feb.)	49 815	426 040
Total	2 460 014	1 915 120
	(Grand Total	4 375 134 Baht)

(Main Items)

	<u>Thai Government</u>	<u>NETC</u>
1981	Table 165 000 bt	
1982		Air Conditioner 429 000
1983	Washing Machine 157 000	
1983		
1984		Air Conditioner 302 500
1985		Bed (Dormitory) 168 000
		Garage 160 000
		Water Supply Tower 450 000
		Sprinkler 80 000

Building Equipment and Manchinery

II. By N.E.T. Center Income

Year	Building	Name Equipment	Unit Price	Total Price
1981		Small Tray Wheels Lorry	500	1,000
		White Board	1,700	3,400
		Water Pot (Hot Water)	4,995	4,995
	Classroom	Cool Water Manchine	4,700	18,800
		Water Pump	2,675	2,675
	Dormitory	Bed	350	700
		Table	3,200	3,200
		Chair	1,800	1,800
		Cabinet	1,600	1,600
		Cabinet	1,780	1,780
		Total		39,950

1982	Battery Chart	750	750
	Refrigerator	9,000	9,000
	Living Chair (stone)	200	8,000
Admin	Motorcycle	16,000	16,000
Media	Battery	3,000	3,000
	น้ำดื่มร้อน(Sink)	3,300	3,300
	Water Pot (Hot Water)	4,820	4,820
	Duplicate Machine	25,000	25,000
Classroom	Vase (Buddha)	475	475
Dormitory	Table Tennis	2,495	4,990
	Cabinet	3,000	6,000
	Table	400	3,200
	Table and Chair	1,020	4,080
	Table	3,700	14,800
Dormitory	Air Condition	16,500	429,000
	Speaker	200	2,400
	Amplifier	6,500	6,500
	Kinetic Water Ram	11,500	11,500
	Slide Projector	25,400	25,400
	Video Tape (Batamax)	27,375	27,375
	Table for Typewriter	1,100	2,200
	Cabinet	1,100	2,200
	Garbage Pail	80	800
	Total		612,470

1983	Admin	Electric Fan	850	5,200
	Admin	Mowing Machine	4,900	4,900
	"	Lamp	1,200	4,800
	"	T.V. Monitor (8")	15,200	15,200
	"	Chair	2,000	2,000
	"	Cabinet	1,500	3,000
	"	Cabinet	1,450	1,450
	"	Isuzu (Engine)	16,200	16,200
	"	Small Tray Wheels Lorry	475	950
	"	Radio Receiver and- Transmitter	25,000	25,000
	"	Radio Receiver and- Transmitter (Handy)	15,250	15,250
	"	Dynamo	5,500	5,500
	"	Cabinet	2,750	5,500
	Prining	Paper Jog Machine	7,500	7,500
	"	Cutter Machine	2,000	2,000
	"	Water Pump	19,950	19,950
	"	Air Condition	19,000	38,000
	"	Cutter Paper	8,000	16,000
	"	Paper Perforated Machine	6,500	6,500
	"	Table (Buddha)	850	850
	Admin	Mowing Machine	4,800	4,800
	Media	Photo Equipment		7,410
	Classroom	Image of Buddha	1,600	3,200
	Media	Video Tape Recorder	16,500	16,500
		Total		227,660

1984		Table	950	950
	Classroom	Table (Buddha)	2,550	2,550
	"	Living Chair	6,000	6,000
	"	Electric Fan	2,160	17,280
	"	Tripod for National Flag	400	1,200
	"	Sink	10,500	10,500
	"	Board	3,200	6,400
	"	Sliding door	6,000	12,000
	Media	Silk-Screen	2,500	2,500
	"	Transparency Equipment	6,600	6,600
	Admin	Typewriter	44,000	44,000
	"	Precipitation Machine	2,000	4,000
	Classroom	T.V. Reciver	3,150	3,150
	"	Picture of the King	300	600
	"	Small Tray Weels Lorry	370	370
	"	Intercome	1,440	4,320
		Curtain	1,100	17,600
	Admin	Motorcycle	16,400	16,400
	Prining	Air Condition	27,000	27,000
		Air Condition	27,500	302,500
	Media	Air Condition	37,500	75,000
		Air Condition	44,500	44,500
	Prining	Electric Clock Timer	1,980	1,980
		Electric Blower	1,600	1,600
		Total		689,000

1985	Prining	Electric Fan	720	1,440
	Dormitory	Telephone	2,500	2,500
	"	Bed	1,300	1,300
		Cabinet	4,950	9,900
		Sink	1,300	1,300
		Roof of Car	12,800	12,800
	Media	Slide Projector	24,800	24,800
	Dormitory	Bed	1,885	1,885
	Media	Cover for Photo Equipment	2,400	12,000
		Precipitation Machine	24,500	24,500
	Dormitory	Tank	2,400	14,400
	"	Small Tree Wheels Lorry	550	1,100
		Machine (18704170M)	8,500	8,500
	"	Radio Tape Recorder	2,150	2,150
	Admin	Radio Tape Recorder	2,950	2,950
		Vedio Tape	490	2,940
	Dormitory	Precipitation Machine	16,000	16,000
	Admin	Cabinet	1,450	8,700
		Cabinet	1,400	7,000
	Dormitory	Radio Tape Recorder	4,750	4,750
	Prining	Chair	290	1,450
		White Board		7,300
	Dormitory	Bed	1,400	168,000
		Sofa	2,300	36,800
		Speaker	1,500	3,000
		Micophone	300	300
		Screen	33,975	33,975
		Precipitation Machine	6,800	6,800
		(not Complete)	Total	426,040

Building Equipment and Machinery

I. Budget by Thai Government

Year	Building	Name Equipment	Unit Price	Total Price
1981		Officer Table	1,200	24,000
		Officer Table	1,900	15,200
	Printing	Table	3,000	36,000
	Media	Disign Table	3,000	6,000
	Classroom	Table	1,250	30,000
	Canteen	Table	2,000	100,000
	Admin	Table	1,666.25	19,995
	Classroom	Table for Buddha	2,600	2,600
	"	Table for Buddha	600	600
	"	Chair for Seminar	320	26,880
	"	Chair	185	7,400
	"	Chair	250	87,500
	"	Cabinet	1,300	39,000
	"	Cabinet	1,300	2,600
	"	Vacuum	5,333.33	15,999.99
	"	Clean Floor Machine	25,000	50,000
	"	Typewriter	11,500	34,500
	"	Calculating Machine	3,500	7,000
	"	Duplicate Machine	25,000	25,000
	"	Electronic Stencil- Cutting Machine	48,000	48,000
	Classroom	Electric Fan	1,500	27,000
	"	Electric Fan	1,700	37,400
	"	Electric Fan	1,700	96,900
	Classroom	Image of Buddha	1,200	1,200
	"	Picture of the King	500	500
	"	Living Chair	5,900	5,900
		Curtain	86,000	86,000
	Admin	Refrigerator	22,000	22,000
	Media	Refrigerator	22,000	22,000
	Admin	Mowing Machine	5,000	10,000
	Table for Electric Saw	3,500	3,500	

"	Driller (สว่าน)	3,500	3,500
"	Driller	3,000	3,000
"	Electric Carpenter's- Plane	2,500	2,500
"	Electric Welding	3,200	3,200
"	Multimeter	2,800	4,000
Media	Electric Solder	500	2,000
"	Vom. Maltimeters	500	1,000
Bangkheng	Microphone	6,000	1,200
"	Mixer	8,000	8,000
Media	Amplifier	11,050	11,050
"	Speaker	1,490	1,490
"	Recorder	8,500	8,500
Classroom	Slide Projector	7,500	7,500
"	Over Head Projector	8,000	8,000
"	Screen	2,800	2,800
	Table	1,500	12,000
Printing	Paper Collector- Machine	59,000	59,000
	Total		1,042,714.99

1982		Table	1,900	28,500
	Admin	Table for Typewriter	1,200	3,600
	Media	Discign Tble	4,000	12,000
	Canteen	Table	1,200	9,600
	Libearly	Table	4,800	19,200
	Media	Chair	600	12,000
	"	Chair	400	8,000
	Admin	Cabinet	3,400	3,400
	"	Safe	12,000	12,000
	Classroom	Newspaper Table	1,500	6,000
	Libearly	Book Shelf	4,500	9,000
	Classroom	Living Chair	5,900	17,700
	"	Cool Water Manchine	3,800	15,200
	Dormitory	Table	400	4,000
	Admin	Mowing Machine	7,500	7,500
	Media	Tape Eraser	2,000	4,000
	"	Recorder	3,500	3,500
	Admin	Typewriter	4,500	4,500
	Printing,Media	Table	6,000	12,000
	Media	Over Head Projector	7,500	7,500
	"	Cabinet	4,000	8,000
	"	Coppy Slide Machine	29,950	29,950
	"	Over Head Projector	9,400	9,400
	"	Screen	2,800	2,800
	"	Board	1,480	14,800
	Printing	Stitcher Machine	54,000	54,000
		Total		318,150

1983	Ext.	Book Shelf	4,750	9,500
	"	Cabinet	3,000	15,000
	Admin	Cabinet	1,680	3,360
	Media	Dynamo	11,500	11,500
	"	R.F.Modulator	47,000	47,100
	Classroom	T.V. Receiver	16,320	32,640
	Media	T.V. Monitor	23,500	23,500
	"	Booster	9,000	9,000
	"	Cabinet(Tape)	3,000	6,000
	"	Cabinet(Slide)	3,000	12,000
	"	Cabinet(Video)	4,000	8,000
	Classroom	Board	1,415	28,300
	Media	Transparency (3M)	50,000	50,000
	Admin	Mowing Machine	52,200	52,200
	Dormitory	Washing Machine	157,000	157,000
	"	Dryer Machine	47,500	47,500
	"	Ironing Machine	83,000	83,000
	"	Small Tray wheels Lorry		20,100
	Printing	Tank	2,250	33,750
	"	Cabinet	4,390	8,780
	"	Paper Jogger Machine	18,500	18,500
	Admin	Repair Equipment	5,000	5,000
	"	Repair Equipment	2,000	2,000
	Printing	Cabinet	5,000	10,000
		Total		693,630

1984	Admin	Index Cabinet	3,500	7,000
	Libearly	Case of Books	2,950	14,750
	Admin	Telephone	200	600
	"	Cabinet	1,240	12,400
	"	Cabinet	2,000	4,000
	"	Cabinet	1,200	2,400
	"	Cabinet	1,240	12,400
		Table	3,600	7,200
		Typewriter	3,600	3,600
		White Board	445	8,900
	Classroom	Screen Projector	33,975	33,975
	Media	Opaque Machine	21,800	21,800
	"	16 m.m. Projector	30,750	30,750
	"	Amplifier	43,800	43,800
	"	Speaker	10,000	10,000
	"	Camera Video Tape	22,000	22,000
	"	Slide Projector	30,000	30,000
	"	To seal Slide Machine	33,000	33,000
	"	Over Head Projector	9,400	9,400
	"	Timer	2,900	2,900
	"	Iron Cutter Machine	3,950	3,950
	"	Pen		2,530
	"	Cool Water Machine	3,800	11,400
	"	Cabinet	3,200	12,800
	"	Table	1,000	1,000
	"	Table	900	900
	"	Table	950	950
	"	Table	1,100	3,300
	"	Drawing	4,000	8,000
		Total		355,705

1985	Admin	Table	700	700
	"	Cabinet	1,010	3,030
	"	Cabinet	1,037.50	1,037.50
	"	Water Pipe Machine		5,400
	"	Water Pipe Machine	360	720
	"	Water Pipe Cutter Machine	428	428
	"	P.V.C Welding	9,500	9,500
	Prining	Cleaner Machine	29,000	29,000
		(Not Complete)	Total	49,815.50

B. 農業機械化部門

リーダーへの調査表

1. プロジェクトの選定・形成の適正度

(1) プロジェクトの目的がタイの農業機械化の推進を第1の目的としているとすればKUを援助の対象機関としたことには疑問がある。(他により適当な機関がある)

(2) (1)に関連しタイが加入している国際的農業機械化プロジェクト

ESCAPの“Regional Network for Agricultural Machinery”およびそのタイ国内のcounterpart機関Agricultural Engineering Division, Dep. of Agriculture, Ministry of Agriculture & Agricultural Cooperativeとの関係をどの様に考えていたか疑問を感じる。

(3) (1)に関連しタイ国及びUNDP, FAOの共同プロジェクト

“Agricultural Machinery Production Project”(1981~1984)との関係をどの様に考えていたか疑問を感じる。

(4) プロジェクトの目的が当面大学の研究・教育を強化することによって将来の農業機械化の基盤を養成するということであれば一応うなずける。しかしその場合研究(農業機械の)には稀にしか使われない高価な試験測定装置を供給したのは適当と思えない。

例

渦流式電気動力計 トラクターの試験機関が使うもの。

ねじり試験機 工学部機械工学科材料研究室が使うもの。

疲労試験機 日本の農研センターにも農機研にもない。

(5) 特定の機関に莫大な援助を与えると相手国の同種機関との間に大きな歪を生じる。しかも相手機関がその援助を活用できる態勢をつくることができず成果を上げることができないならば、外部が相手機関及び日本を如何に評価するか予想したかどうか(始めに)。

(6) 農業機械のテストは補助金、融資、政策の形成等と密接な関係があり行政機関の試験機関の業務と考えるのが適当である。即ちプログラの中に入れるのは適当でない。

(7) 他の機関がやっている研修と同じ様な一般的な研修を大学の一機関に持ちこむのは適当でないと思われる。

タイでは

Department of Agriculture (農林省)

Thai-German Agricultural Engineering Training Center (教育省)

が農業機械の研修を行っており、Department of Agricultural Extension (農林省)も計画中であるときく。この様な状況下ではAMCは大学の研究成果を普及する意味でのTraining, Extensionは実施してもエンジンの分解組立の様な一般研修はやるべきでない。

いと考える。

(8) 基本計画，プロジェクト年次別実施計画について

i) 疑問点が多い。

内容がよく分らぬ。

意図しているところと表現されていることが違っているのではないかと思われる。

ii) 重要なトラクターの試験法が抜けている。

iii) 現在使われていないしかも近い将来も使われる見込がないとうもろこし収穫機の試験，改良が計画に含まれているのは不可解である。

iv) (2)1) a) と b) は通常切り離されることはない。(研究が可成り進んだ段階で切り離されることはあり得るが)

2. プロジェクト管理運営上の問題点

長期専門家はチームリーダー1名のみ，他は極く短期の専門家が年に2～3名ではチームリーダーは供与機材の予算作成，専門家派遣，C/P日本派遣の手续，各種報告類の作成，これら文書の英文翻訳，相手方機関との折衝に時間をとられ，技術移転は勿論，供与機材すらも自ら管理することができない。

また短期専門家も1ヶ月や2ヶ月の派遣期間では自らのテーマの遂行と報告の作成に追われ十分な技術移転も難しい。

この様な場合はむしろプロジェクトの形をとらず機材を無償供与し，それらの機材の製造会社の専門家を派遣し，使用法と維持管理についての指導のみを行なう方が適当と考える。

3. 相手国の対応における問題点

(1) 適当な学識，経験をもつC/Pを専任として必要な数配置できなかった。理由は色々あろうがこれがこのプロジェクトがうまくゆかなかった最大の原因である。

(2) 被援助国の責任に帰すべき事項（引渡した機材・施設の維持管理など）をプロジェクトに要請してくる。リーダーとしては相手方に予算がないことが分っていても度重なりとプロジェクト遂行についての意欲を甚しくそがれることは間違いない。

4. 周辺への波及効果

(1) 学部学生の教材として農業機械，測定装置が利用されている。単なる教科書による机上の教育と違って有意義であろう。

(2) 工学部農業工学科の職員が供与機材を使って実験を行っている。大学にとっては大きな+であろう。

5. 引継上の問題点

(1) 延長または follow-up

- (i) 如何なるときに延長になり，如何なるときに follow-up となるのか。
 - (ii) 延長と follow-up の内容の差異
 - (iii) 延長・follow-up 時の現地業務費の処理・引継法
- (2) 相手方（カウンターパート機関，政府）への報告
延長と follow-up で差があるのか。

現在まで各専門家の業務について最後に AMC で口頭による発表，説明が行われているか，読んだだけで分る英文報告は渡されていない。

6. タイ側の投入実績についての DATA

(1) C/P 配置

	Researcher			Technician		
	専任	兼任	計	専任	兼任	計
57年度	1	4	5	2	1	3
58 "	3	4	7	3	1	4
59 "	3	3	6	3	1	4
60 "	3	4	7	3	1	4

(2) 予算措置（入件費，備品費，労賃を除く経常費）

1982 (昭57)	110,000 ¥
1983	110,000 ¥
1984	120,000 ¥
1985	118,000 ¥

(3) 施設整備状況

建物付帯施設

1982年

1. クレーン，ホイスト（2棟分）	}	700,000 ¥
2. 土壌槽周辺の道路舗装		
3. プラットホーム		
4. 洗車施設		
5. センター周辺の屋外照明		100,000
計		1,035,000 ¥

事務用品

1981～1983（56～58）

タイプライター	事務機	ソフター
ロッカー	会議機	印刷機

冷 蔵 庫 モーターサイクル 手 工 具
掃 除 機 草 刈 機 製 図 機

AMC

Staff

1. Mr. Banchaw Bhaholyotin Director
2. Mr. Akradet Arthachinda Vice Director
3. Mr. Vicha Manthakan Vice Director , Research
4. Mr. Siri Industrial Engineer
5. Mr. Prayouth Agricultural Engineer Test Farm Work
6. Miss Jasadee Agricultural Engineer Training
7. Mr. Narest Technician
8. Mr. Niwat Technician
9. Mr. Anek Technician
10. Mr. Vichet Technician

Permanent Labour

1. Mrs. Supaporn Workshop Cleaner
2. Mr. Tawan Agricultural Worker
3. Mr. Samruay Tractor Driver
4. Mr. Smith Agricultural Worker
5. Mr. Suchin Machinshop Worker
6. Mr. Prasit Driver
7. Mr. Sanam Administrative Cleaner
8. Miss Wanphen Typist

Temporary Labour

1. Mrs. Krongsook Secretary of Project Team Leader
2. Mr. Suthee Driver
3. Mr. Samroeng Driver of Project Team Leader
4. Mr. Prawin Guard

6. タイ側カウンターパートへの調査表回路

集 計 結 果

		NAETC	AMC
内 容	a	6	2
	b	4	2
	c	0	1
	無 答	0	5
	計	10	10
有 効	a	3	5
	b	7	1
	c	0	0
	無 答	0	4
	計	10	10

A. 普及部門

TO : Mr. Poom

FROM : Mr. Nagai

Please give comment for next question by Evaluation Team.

1. How do you evaluate the activities of NETC Project?

1. By yourself

- a) Satisfied
- b) Fairly satisfied
- c) Unsatisfied
- d) (other opinion)

2. How about the evaluation by outside NETC.

- a) Satisfied
- b) Fairly satisfied
- c) Unsatisfied
- d) (other opinion)

2. How do you estimate of NETC Project?

- a) Successful
- b) Fairly successful
- c) Unsuccessful
- d) (other opinion)

And it's reason

The result of NETC Project during 5 years period can be rated at "Good" especially:

1. Service and Facilities provide for others organizations and agencies to conduct their training programmes.
2. Training Programmes conducted by NETC.
3. Publishing printed materials.

Some activities are proceeded but still unsatisfied for example

1. Slide and Video Production
2. Printing shop

The least amount of activities are

1. Extension Project for Farmer around Kamphaengsaen Campus
 2. Exhibition and Demonstration
3. What do you think of NETC management after finishing 5 years?
- a) difficult
 - b) not so difficult
 - c) do you need some help?

And it's reason

After termination of the project, NETC's working process will be difficult because we can not only rely on government budget which is too limit to rapid the growth of process.

Therefore, in order to continue the activities and process effectively, we need to look for and request some support from domestic or foreign organizations.

4. What is your opinion of future activity of NETC?

In my opinion, I think our NETC's activities can be continued effectively and more develop if we receive more support.

5. What is your anxious point of NETC management in future?

In the future, when buildings, equipments, and appliances start deteriorating and fewer organizations use our service and facilities, we will lack of income to proceed our work. Also, the limited budget will cause the difficulty of working process.

6. What do you expect during next 3 months?

During 3 months period after the termination of the project, I am planning to conclude the results of works from every section to evaluate the successfulness and the failure of the work and the solution.

Dr. Nagai
Dr. Nagai (1/8/85)

QUESTIONNAIRE TO COUNTERPART PERSONNEL OF THAI

1. Name MR. PHORN SUWAN-VAJOKKASIKIJ
2. Training Period In Japan 4 - 30 July 1985
Theme Of Training / Observation In Japan Agricultural Extension and Communication.
3. Assignment and Position At The Time Of Training
Director, Extension and Training Office,
Kasetsart University, Bangkok Thailand.
4. Present Assignment And Position
Director, Extension and Training Office
Kasetsart University, Bangkok Thailand.
5. Please State Your Comments
 - 1. Contents Of Training In Japan Is
 - a) Satisfied
 - b) Fairly Satisfied
 - c) Unsatisfied(If You Select (c), State The Reason Of It.)
 - 2. After Returning To Thailand, Studies Performed In Japan Are
 - a) Very Useful
 - b) Fairly Useful
 - c) Unuseful(If You Selected (a) (b), How Is It Useful ? / If You Select (c), State The Reason Of It.)
6. Please State Your Opinion About The Project
(e.g. Japanese Experts, Project Management, Activities, Thai Counterpart Personnel And So On.)
My opinion About the Project :- are as follows :
 - 6.1 Japanese Experts.
We gratefully acknowledges the cooperative efforts of our Experts Dr. Nagai who has contributed to the success of the project. Without his support the project could not achieved its objectives.

Dr. Nagai is recognized for the steadfast support and guidance in Extension, Integrated Rural Development Training programme. He maintained his interest and support of the project through the years.

6.2 Project Management

This is the age of communication. People ^{everywhere} ~~very~~ ~~where~~ are working to improve the quality and speed of information exchange. Agricultural Extension and Communication contributes to and benefits from the developments. Agricultural scientists and Agricultural Extensionist can conduct cooperative, inter-related theoretical and empirical studies with effectiveness.

This Project Management is under the Extension and Training Office, Kasetsart University, JICA is duly recognized for providing funds for the project for the life of the contract. Counter part funds also provided by the Royal Thai Government under the Extension and Training Office fiscal year budget for the the project too.

6.3 Activities.

- Training. - Integrated Rural Development
- Agricultural Extension and Communication
- Educational Television Program Production.
- Extension Methodology Research.

6.4 Thai Counter Part Personnel

(a) Mr. Phorn Suwan-Vajokkasikij

Mr. Poom Kamkleng

Mr. Vatana Swanjatipat

Mr. Chukeit Raksorn.

6.5 Comment

The germ of the idea of this project lies in the important and valuable information about training program. The bench mark of the Agricultural Extension Project has been an attempt of improve the agricultural extension project activities and the Agro technology transfer to the farm families, etc. It is considered to be a representative reference from which agrotechnology can be transferred or extrapolated as a model for training agricultural extension personnel in the whole kingdom of Thailand and may be the Asean region.

7. Please State Your Opinion About The Project, After Termination of Cooperation Period.

7.1 Extension and Training Office will continue^{ue} the Training Program and make the full use of the facilities of NATES.

7.2 Set up a joint project K.U.-JICA on third country training program.

7.3 Conduct Extension Methodology Research on farm out-reach, contribution from research work will be the data base for training in agricultural extension training program.

QUESTIONNAIRE TO COUNTERPART PERSONNEL OF THAI

1. Name

Mr. Room Khumgliang

2. Training Period In Japan :

Theme Of Training / Observation In Japan

: 4 march - 15 April 1982

: Study tour on Agricultural extension

3. Assignment And Position At The Time Of Training

Assistant director, Extension and training office, and head of the national agricultural extension and training center.

4. Present Assignment And Position

Vice director, extension and training office and head of the national agricultural extension and training center

5. Please State Your Comments

-1. Contents Of Training In Japan Is

- (a) Satisfied
- (b) Fairly Satisfied
- (c) Unsatisfied

(If You Select (c). State The Reason Of It.)

-2. After Returning To Thailand , Studies Performed In Japan Are

- a) Very Useful
- (b) Fairly Useful
- c) Unuseful

(If You Selected (a) (b), How Is It Useful ? / If You Select (c), State The Reason Of It.)

It is useful for

1. Planning and Conducting the training Programmes
2. Conducting Farm Youth Training Programmes
3. Publishers Printed Materials.

6. Please State Your Opinion About The Project

(e.g. Japanese Experts, Project Management, Activities, Thai Counterpart Personnel And So On.)

My opinions about the project are as follow

6.1 Japanese Expert

Long term Expert, the team leader; Mr. T. Nagai, he has done his duty perfectly. His advice, support, cooperation and complement in every thing leads to the smoothness of the project process, make the project possible in the developing way he has devoted himself with his best ability on his duty seriously. He has been admired among us and others.

Short Term Expert Only 4 Short term Experts visited NETC. All experts who visited and stayed with us are very professional and provide NETC most advantages. Unfortunately, each expert stayed only 1-2 months which was very limited time for advising and training our officers here

Furthermore, only 1 expert in video production was given and stayed only 1 month which is not serve our need. We request more expert and stay longer time.

6.2 Project Management

The process of project is quite satisfied, except the first 2 years the progress was low, the reasons for that were most of the officers: just graduated and started to work with less experience but during the last 3 years when all officers have learned and gain more experience the project is more in rapid progress than before

However, in the coming year, the process tend to be more developed than ~~it~~ ^{it} is now.

6.3 Activities

Training Activity : The quality and quantity of the training programmes are satisfied.

Printed Materials : for extension, distribution and training purposes tend to develop more and more

Printing shop : still unsatisfy

Other Medias Production : still under expected goals

Service : The use of facilities at NETC. for training programmes from others government agencies or private enterprises meet the expected goals.

6.4 Thai Counterpart Personnel

We need to have 40 % more officers to serve our works.

All officers now try to do their best on their duties.

6.5 Maintainance

The big problem is maintainance; building, appliance, tool, machine, and instruments start deteriorating. The most important problem is lacking of professional skilled technician to repair or fix those mentioned materials. Also some parts of those materials do not available in Thailand, We have to import from Japan.

7. Please State Your Opinion About The Project, After Termination Of Cooperation Period.

I think after termination of cooperation from JICA, the serious problem is the limited of budget for processing our works. Only government budget and extra income from training facilities are not sufficient enough to support our works as before.

However, looking forward to get some aid or grant from foreign organization need to be done as soon as possible, otherwise, both officers and device or machine will be used less effective

QUESTIONNAIRE TO COUNTERPART PERSONNEL OF THAI

1. Name Mr. Watana Sawanyatiputi

2. Training Period In Japan

Theme Of Training / Observation In Japan

45 days Agricultural Extension in Japan.

Sept. 17 ~ Oct. 27, 1982

3. Assignment And Position At The Time Of Training

Observer and Visiter.

4. Present Assignment And Position

Supervisor on Extension Works.

5. Please State Your Comments

-1. Contents Of Training In Japan Is

- a) Satisfied
b) Fairly Satisfied
c) Unsatisfied

(If You Select (c), State The Reason Of It.)

-2. After Returning To Thailand , Studies Performed In Japan Are

- a) Very Useful
 b) Fairly Useful
c) Unuseful

(If You Selected (a) (b), How Is It Useful ? / If You Select (c),
State The Reason Of It.)

6. Please State Your Opinion About The Project

(e.g. Japannese Experts, Project Management, Activities, Thai Counterpart
Personnel And So On.)

Everythings are good.

7. Please State Your Opinion About The Project, After Termination Of
Cooperation Period.

The Project should be cooperat^{ed} again in the term of individual
Project or short term Project.

QUESTIONNAIRE TO COUNTERPART PERSONNEL OF THAI

1. Name

KITTI SIMSIRIVONG

2. Training Period In Japan
Theme Of Training / Observation In Japan

19 July - 4 December 1984

3. Assignment And Position At The Time Of Training

Agricultural Extension and training service and some of mass media productions

Subject matter specialist

4. Present Assignment And Position

Agricultural extension and training service and some of mass media productions

subject matter specialist

5. Please State Your Comments

-1. Contents Of Training In Japan Is

- a) Satisfied
- b) Fairly Satisfied
- c) Unsatisfied

(If You Select (c), State The Reason Of It.)

-2. After Returning To Thailand, Studies Performed In Japan Are

- a) Very Useful
- b) Fairly Useful
- c) Unuseful

(If You Selected (a) (b), How Is It Useful ? / If You Select (c), State The Reason Of It.)

I learnt knew manythings about Japanese extension service, so I can compare with thai's system and can apply something for my works. Manythings japanese can do but for me, it's quite difficult because of the different in climate, technology also japanese people work more effective than Thai.

6. Please State Your Opinion About The Project

(e.g. Japanese Experts, Project Management, Activities, Thai Counterpart Personnel And So On.)

This project quite a good project because all of the activities can serve farmers and government officets to increase agricultural knowledge and skillful, It is called defusing the agricultural innovation, which are the great point/activities for developing my country.

All of equipments; such as printing equipments, camera equipments, video equipments and audio equipments make the mass media productions possible for extension and training service leading to the development of my country

7. Please State Your Opinion About The Project, After Termination Of Cooperation Period.

After the termination of this cooperation period, I think there will have some problems in the early period because lack of budget for running the training course and some of the NET. center officers also lack of knowledge and experience, so we need help for man power development.

QUESTIONNAIRE TO COUNTERPART PERSONNEL OF THAI

1. Name

Mr. Chukiat Ruksorn

2. Training Period In Japan

Theme Of Training / Observation In Japan

17 April-11 July 1983 Agricultural Extension Service in Japan

3. Assignment And Position At The Time Of Training

Position: Training Officer, Head of Training work in extension section at
N:E:T:C.

Assignment: Responsible for conducting training programmes and provide
training programmes and provide training service and facilities
for other organization and agencies

4. Present Assignment And Position

Head of Extension Section, responsible for pro-ceeding extension and training
project with various methods.

5. Please State Your Comments

-1. Contents Of Training In Japan Is

- a) Satisfied
- ✓(b) Fairly Satisfied
- c) Unsatisfied

(If You Select (c), State The Reason Of It.)

5.2 How is it useful

Be able to compare working systems in agricultural extension between
Thais and Japanese whose advantages and disadvantages are vary and
different.

-2. After Returning To Thailand, Studies Performed In Japan Are

- a) Very Useful
- ✓(b) Fairly Useful
- c) Unuseful

(If You Selected (a) (b), How Is It Useful ? / If You Select (c),
State The Reason Of It.)

Be able apply attitude of team work building to use in my work

6. Please State Your Opinion About The Project

(e.g. Japanese Experts, Project Management, Activities, Thai Counterpart
Personnel And So On.)

It is a very good project to create relationship (optimistic and attitude)
between the 2 countries, Thai and Japan. When we work and joy together.

Expert: He has excellent personal . He can joy with Thai counterpart and others nicely. In my opinion, he has great ability to create relationship among us.

7. Please State Your Opinion About The Project, After Termination Of Cooperation Period.

After termination of project, I wish we still keep on our cooperation. JICA and N:E:T:C. This is the most importance and necessary to do so. Otherwise JICA project to create our relationship, since the beginning untill now will be discontinue.

The cooperation can be done as follow

1. Budget Support to conduct training programmes for agricultural extension officers on Thailand
2. Scholarship or grant for Thai counterparts to train in Japan
3. Some equipments, appliances, and buildings start deteriorate, especially audiovisual aid equipments which need to fix gradually. Some parts of those equipment must import from Japan because they are not available in Thailand. We need your help of maintenance.

QUESTIONNAIRE TO COUNTERPART PERSONNEL OF THAI

1. Name

Mrs. Sripatr Prammanee

2. Training Period In Japan

Theme Of Training / Observation In Japan
15 August-16 December 1985 (4 months)

Theme of training in Japan
Agricultural extension

3. Assignment And Position At The Time Of Training

Production of some mass media such as Production of radio programme, synchronise slide etc., Extension and training work.

General Agricultural Subject matter specialist

4. Present Assignment And Position

as describe above

5. Please State Your Comments

-1. Contents Of Training In Japan Is

- a) Satisfied
- ✓ (b) Fairly Satisfied
- c) Unsatisfied

(If You Select (c), State The Reason Of It.)

-2. After Returning To Thailand , Studies Performed In Japan Are

- a) Very Useful
- ✓ (b) Fairly Useful
- c) Unuseful

(If You Selected (a) (b), How Is It Useful ? / If You Select (c), State The Reason Of It.)

I can get many good idea from my observation in field trip and lecture during the training period such as, your agricultural extension system, your agriculture co-operative system., and so on, These idea is very useful for me to improve and develop my work in my country.,

6. Please State Your Opinion About The Project

(e.g. Japanese Experts, Project Management, Activities, Thai Counterpart Personnel And So On.)

All Japanese Experts are very professional, they always suggest good advice and complement in everything

Project management can support thai government to develop Thai farmers in Education, Occupation, Standard of life with the help of JICA, the activities can be process smoothly.

All of Thai counterparts work hard because of insufficient officers and less experience.

7. Please State Your Opinion About The Project, After Termination Of Cooperation Period.

As the reason mentioned above, to improve the officer personals, experience, skill, to be more effective, I think we need more support in promoting officers to train in foreign country.

QUESTIONNAIRE TO COUNTERPART PERSONNEL OF THAI

1. Name Mr. Somchai Ngarm-Ying-Yuad

2. Training Period In Japan
Theme Of Training / Observation In Japan

Jan. 20 - Mar. 14, 1983. Education Television Programme. NHK. Broadcasting Station, TOKYO.

3. Assignment And Position At The Time Of Training

Audio-Visual Educator. T.V. Section. Production Video Programme in Agriculture.

4. Present Assignment And Position

Audio-Visual Educator. T.V. Section, Producer Video Programme Production.

5. Please State Your Comments

-1. Contents Of Training In Japan Is

- a) Satisfied
- b) Fairly Satisfied
- c) Unsatisfied

(If You Select (c), State The Reason Of It.)

-2. After Returning To Thailand, Studies Performed In Japan Are

- a) Very Useful
- b) Fairly Useful
- c) Unuseful

(If You Selected (a) (b), How Is It Useful ? / If You Select (c), State The Reason Of It.)

After I'm returned to Thailand. I worked directly of the training course. And anotherthing I had more experience in servey programme.

6. Please State Your Opinion About The Project

(e.g. Japannese Experts, Project Management, Activities, Thai Counterpart Personnel And So On.)

This project give prepared in extension work. The officer has applied knowledge from training course in Japan for working in office.

7. Please State Your Opinion About The Project, After Termination Of Cooperation Period.

This project is complete project, because this center recive more equipment, building and everything for support extension work.

QUESTIONNAIRE TO COUNTERPART PERSONNEL OF THAI

1. Name

Mr. Klong Maneechaiya

2. Training Period In Japan

Theme Of Training / Observation In Japan

7 March 85-11 June 85. Educational Television Program Production

3. Assignment And Position At The Time Of Training

Audiovisual specialist, head of audiovisual media div. Produce soft ware in

Agricultural science such as video tapes, sound slides, video programs, pictures et

4. Present Assignment And Position

Audiovisual specialist, major production is sound slides.

5. Please State Your Comments

-1. Contents Of Training In Japan is

a) Satisfied

b) Fairly Satisfied

c) Unsatisfied

(If You Select (c), State The Reason Of It.)

-2. After Returning To Thailand, Studies Performed In Japan Are

a) Very Useful

b) Fairly Useful

c) Unuseful

(If You Selected (a) (b), How Is It Useful ? / If You Select (c),

State The Reason Of It.) My training course is "Educational T.V. program

production "But now my director assigned me only sound slides production.

Any way I can apply knowledge from my training course in sound slide productic

6. Please State Your Opinion About The Project ^{too}

(e.g. Japanese Experts, Project Management, Activities, Thai Counterpart Personnel And So On.)

It was excellent training both in Sony Headquarter and short period in O.I.C.

They were very good in every ways.

7. Please State Your Opinion About The Project, After Termination Of Cooperation Period.

It is a good chance for N.E.T.C. under grant aid bath in equipments and people.

After Termination of Cooperation Period, I think our N.E.T.C. must rth on our

legs by more dilligent and more hard work people.

QUESTIONNAIRE TO COUNTERPART PERSONNEL OF THAI

1. Name

Mr. Prasit Nontakarn

2. Training Period In Japan

Theme Of Training / Observation In Japan

3 months; 1 December 1983 to 6 March 1984

Printing on Agricultural Extension.

3. Assignment And Position At The Time Of Training

The chief of Printing shop.

4. Present Assignment And Position

The chief of Printing shop, Technicail Printing

Technology

5. Please State Your Comments.

-1. Contents Of Training In Japan Is

- a) Satisfied
- b) Fairly Satisfied
- c) Unsatisfied

(If You Select (c), State The Reason Of It.)

-2. After Returning To Thailand , Studies Performed In Japan Are

- a) Very Useful
- b) Fairly Useful
- c) Unuseful

(If You Selected (a) (b), How Is It Useful ? / If You Select (c), State The Reason Of It.)

My training course is "Printing Technolgy" After I returning to Thailand

I transfered my expesiences in Printing Technology to my staff. In the

same. I could improve my Printing shop too.

6. Please State Your Opinion About The Project

(e.g. Japannese Experts, Project Management, Activities, Thai Counterpart Personnel And So On.)

It was excellent training.

7. Please State Your Opinion About The Project, After Termination Of Cooperation Period.

It is a good chance for N.E.T.C. under grant aid both in equipments and people.

After Termination of Cooperation Period, I think our N.E.T.C. must run on our

legs by more diligent and more hard work, IF the future planning I hope that

JICA give me new equipments.

QUESTIONNAIRE TO COUNTERPART PERSONNEL OF THAI

1. Name Mrs. Ratchanee Jarusan

2. Training Period In Japan

Theme Of Training / Observation In Japan

Audio Visual Technology Course 6 months in Okinawa International Centre.
(Aug. 29, 1985-Feb. 28, 1986)

3. Assignment And Position At The Time Of Training

Audio Visual Educator. Produce radio program, Script writer about video program and narrator.

4. Present Assignment And Position

Audio Visual Educator. Produce radio program, Script writer about video program and narrator.

5. Please State Your Comments.

-1. Contents Of Training In Japan Is

- a) Satisfied
- ✓ b) Fairly Satisfied
- c) Unsatisfied

(If You Select (c), State The Reason Of It.)

-2. After Returning To Thailand , Studies Performed In Japan Are

- ✓ a) Very Useful
- b) Fairly Useful
- c) Unuseful

(If You Selected (a) (b), How Is It Useful ? / If You Select (c),
State The Reason Of It.)

Because I have obtained vast knowledge and experience in many subjects.
And I can apply all the knowledge I have obtained from these subject for
my job.

6. Please State Your Opinion About The Project

(e.g. Japannese Experts, Project Management, Activities, Thai Counterpart
Personnel And So On.)

This Project is very useful for NET.Center especially sending Thai
Counterpart to train in Japan. And about Japannese Experts is also very
useful for my co-staff.

7. Please State Your Opinion About The Project, After Termination Of
Cooperation Period.

Because This project is very useful for NET.Center, So I think this
center is still need Japannese Experts, equipment from Japan and sending
Thai Counterpart to train in Japan.

B 機械化部門

QUESTIONNAIRES TO COUNTERPART PERSONNEL OF THAI

1. Name MR. BOONSOM SUNACHIRAT
 - *2. Training Period in Japan, Theme of Training/Observation in Japan
4-23 March 1985 Observation in Japan.
 - *3. Assignment and Position at the time of Training

 4. Present Assignment and Position
Associate Professor, Vice Rector.
 - *5. Please State Your Comments
 - 1. Contents of Training in Japan is
 - a) Satisfied
 - b) Fairly satisfied
 - c) Unsatisfied(If you select(c), state the reason of it.)

 - 2. After returning to Thailand, studies performed in Japan are
 - a) Very useful
 - b) Fairly useful
 - c) Unuseful(If you select(a),(b), How is it useful? /If you select(c), state the reason of it.)
 6. Please state Your opinion about the Project
(e.g. Japanese Experts, Project Management, Activities, Thai counterpart personnel and so on)
The Japanese Experts are well cooperative and very valuable for the Project. The Activities and Project Management are good in progression. Thai Counterpart personnel will be increased in number and efficiency as soon as possible.
 7. Please state your opinion about the Project, after termination of cooperation period.
The Project is very useful for Kasetsart University and Agricultural Machinery works in Thailand for testing and training. The Project is still in progression and after some staffs are complete, studied abroad the Project will be stronger enough.
- * Question 2,3,5 : for the persons who attend the training in Japan

QUESTIONNAIRES TO COUNTERPART PERSONNEL OF THAI

1. Name Dr. Wanchai Pahnichaputt
- *2. Training Period in Japan. Theme of Training/Observation in Japan
October 28, 1985 - November 16, 1985
- *3. Assignment and Position at the time of Training
-Dean of the Faculty of Engineering, Kasetsart University
-Chairman of the Operation Committee of Kasetsart's Agricultural Machinery Center
4. Present Assignment and Position
Same as 3
- *5. Please State Your Comments
 - 1. Contents of Training in Japan is
 - a) Satisfied
 - b) Fairly satisfied
 - c) Unsatisfied(If you select (c), state the reason of it.)

 - 2. After returning to Thailand, studies performed in Japan are
 - a) Very useful
 - b) Fairly useful
 - c) Unuseful(If you select (a), (b), How is it useful? /If you select (c), state the reason of it.)

Because things observed will be used in improving the work of Kasetsart's Agricultural Machinery Center.
6. Please state Your opinion about the Project
(e.g. Japanese Experts, Project Management, Activities, Thai counterpart personnel and so on) The Project and its activities have been well managed. The Japanese Experts are well chosen and they have already contributed much to the technological progress of Kasetsart University. The Project has made Kasetsart a well-equipped university. The number of Thai counterpart personnel for the Agricultural Machinery Center is rather low but it will get better in the near future.
7. Please state your opinion about the Project, after termination of cooperation period. The Agricultural Machinery Center will be very beneficial to Kasetsart University in the testing, research and development of agricultural machinery suitable to Thailand and in training the people in the agriculture sector how to use and maintain their agricultural machinery effectively.

* Question 2,3,5 : for the persons who attend the training in Japan

QUESTIONNAIRES TO COUNTERPART PERSONNEL OF THAI

1. Name KAMPHOL ADULAVTDHAYA

* 2. Training Period in Japan, Theme of Training/Observation in Japan

* 3. Assignment and Position at the time of Training

4. Present Assignment and Position Director, Kasetsart University
Research and Development Institute

* 5. Please State Your Comments

-1. Contents of Training in Japan is

a) Satisfied

b) Fairly satisfied

c) Unsatisfied

(If you select (c), state the reason of it.)

-2. After returning to Thailand, studies performed in Japan are

(a) Very useful

b) Fairly useful

c) Unuseful

(If you select (a), (b), How is it useful? / If you select (c),
state the reason of it.)

I could learn a lot how Japanese research institute conduct their research and development which will be useful to the development of research and development in Thailand.

6. Please state Your opinion about the Project

(e.g. Japanese Experts, Project Management, Activities, Thai counterpart personnel and so on)

The project has benefited Thai counterpart a great deal, especially manpower development, this manpower can contribute a lot to the improvement of our agricultural machinery.

7. Please state your opinion about the Project, after termination of cooperation period.

After the termination, I think and believe that it will be most difficult for Thai side to carry on the activities.

We need continuous support especially technical cooperation from Japan.

* Question 2.3.5 : for the persons who attend the training in Japan

QUESTIONNAIRES TO COUNTERPART PERSONNEL OF THAI

1986.3.17

1. Name Mr. BANCHAW BHAHOLYOTIN

* 2. Training Period in Japan, Theme of Training/Observation in Japan

Observation period in Japan about 1 month, 1981.

* 3. Assignment and Position at the time of Training

4. Present Assignment and Position

Head, Agricultural Machinery Center.

* 5. Please State Your Comments

-1. Contents of Training in Japan is

a) Satisfied

b) Fairly satisfied

c) Unsatisfied

(If you select (c), state the reason of it.)

-2. After returning to Thailand, studies performed in Japan are

a) Very useful

b) Fairly useful

c) Unuseful

(If you select (a), (b), How is it useful? / If you select (c), state the reason of it.)

6. Please state Your opinion about the Project

(e.g. Japanese Experts, Project Management, Activities, Thai counterpart personnel and so on)

The management of project is rather high efficiency. The activities of the Project plays a great role and a challenge task in the view of investment reduction by mean of mechanization. Thai counterpart personel should be highly considered in increasing number in order to run the Center efficiently. Japanese experts are necessary to assist both research work and testing method while the staff is newly recruited.

7. Please state your opinion about the Project, after termination of cooperation period.

After termination of cooperation period, the Project still needs more technical assistance. It does not mean that it can not run by itself but it seems that the time is needed for it. Since there were some obstacles in the view of manpower and budgetery, fortunately the 6th development plan will start on 1987 that means the Center should be in the new era.

* Question 2,3,5 : for the persons who attend the training in Japan

QUESTIONNAIRES TO COUNTERPART PERSONNEL OF THAI

1. Name Mr. Akradet Artachinda

* 2. Training Period in Japan. Theme of Training/Observation in Japan

* 3. Assignment and Position at the time of Training

4. Present Assignment and Position

Assistant Head, AMC

* 5. Please State Your Comments

-1. Contents of Training in Japan is

a) Satisfied

b) Fairly satisfied

c) Unsatisfied

(If you select (c), state the reason of it.)

-2. After returning to Thailand, studies performed in Japan are

a) Very useful

b) Fairly useful

c) Unuseful

(If you select (a), (b), How is it useful? / If you select (c), state the reason of it.)

6. Please state Your opinion about the Project

(e.g. Japanese Experts, Project Management, Activities, Thai counterpart personnel and so on)

The Thai counterparts have gained much of experiences and new technology working with Japanese experts. However, more training is need for Thai counterparts since some of the equipment used at AMC are new to them.

7. Please state your opinion about the Project, after termination of cooperation period.

AMC will be in trouble because the budget issued by the Thai Government is small. It will need some times (3-5) for AMC to adapt to new situation without JICA's aid.

* Question 2, 3, 5 : for the persons who attend the training in Japan

QUESTIONNAIRES TO COUNTERPART PERSONNEL OF THAI

1. Name MR. VICHA MANTHAMKARN

* 2. Training Period in Japan, Theme of Training/Observation in Japan

5 months training courses in Japan, Measurement and Instrumentation in agricultural machinery.

* 3. Assignment and Position at the time of Training

4. Present Assignment and Position

To be a counterpart of Japanese experts and to take in charge of Research and testing division.

* 5. Please State Your Comments

-1. Contents of Training in Japan is

a) Satisfied

b) Fairly satisfied

c) Unsatisfied

(If you select (c), state the reason of it.)

-2. After returning to Thailand, studies performed in Japan are

a) Very useful

b) Fairly useful

c) Unuseful

(If you select (a), (b), How is it useful? / If you select (c), state the reason of it.)

I could get in touch with the testing rigs, the sophisticated devices and the idea for carrying many research jobs.

6. Please state Your opinion about the Project

(e.g. Japanese Experts, Project Management, Activities, Thai counterpart personnel and so on)

I think that the project should serve the Thai Agricultural situation. Project planning, not the same in Japan, should involve how to adapt the agricultural machines for Thai agricultural situation. Japanese experts should be clear about the Thai Agricultural situation which is different from Japan.

7. Please state your opinion about the Project, after termination of cooperation period.

After termination of cooperation period, I sure that AMC will be face of maintenance and repair of many instruments and machines. Some spare parts cannot find in Thailand and importantly, AMC budget for each year is so limited. Some sophisticated instruments, e.g. Kyowa, Shimatzu, are difficult to repair it by AMC staffs.

* Question 2,3,5 : for the persons who attend the training in Japan

QUESTIONNAIRES TO COUNTERPART PERSONNEL OF THAI

1. Name MR. SIRI LEEYAWATTANUPONG

- * 2. Training Period in Japan, Theme of Training/Observation in Japan
5 months, maintenance and repair of tractor and equipment.
- * 3. Assignment and Position at the time of Training

4. Present Assignment and Position
Maintenance and Repair division.

- * 5. Please State Your Comments
 - 1. Contents of Training in Japan is
 - ✓ a) Satisfied
 - b) Fairly satisfied
 - c) Unsatisfied(If you select (c), state the reason of it.)

 - 2. After returning to Thailand, studies performed in Japan are
 - ✓ a) Very useful
 - b) Fairly useful
 - c) Unuseful(If you select (a), (b), How is it useful? / If you select (c), state the reason of it.)

6. Please state Your opinion about the Project
(e.g. Japanese Experts, Project Management, Activities, Thai counterpart personnel and so on)
 - 6.1- The Japanese experts are very friendly. Most of them are efficiency. Some experts have short time to staying in Thailand. Sometimes they do not understand about the policy of the Thai Government.
 - 6.2 I think before we have the training we ought to know about the list of implements that we have to support by Japanese Government. Because of knowing about the list of implement, we can pay more attention about them when we have the training.
 - The period of the project is too short. (5 years) because we lost the time for construction, waiting for implement, machines and installation of them.
7. Please state your opinion about the Project, after termination of cooperation period.

According to the reason on 6.2 I think that the project ought to extend 2 or 3 years.

* Question 2, 3, 5 : for the persons who attend the training in Japan

QUESTIONNAIRES TO COUNTERPART PERSONNEL OF THAI

1. Name Mr. Prayouth Suwanchewakorn
- *2. Training Period in Japan, Theme of Training/Observation in Japan
4 Oct. 1984 - 30 March 1985, Testing and Instrumentation Method.
- *3. Assignment and Position at the time of Training
Engineer in Testing and Field Operation Division.
4. Present Assignment and Position
Engineer in Testing and Field Operation Division.
- *5. Please State Your Comments
- 1. Contents of Training in Japan is
- a) Satisfied
 - ✓ b) Fairly satisfied
 - c) Unsatisfied
- (If you select (c), state the reason of it.)
- 2. After returning to Thailand, studies performed in Japan are
- ✓ a) Very useful
 - b) Fairly useful
 - c) Unuseful
- (If you select (a), (b), How is it useful? / If you select (c), state the reason of it.)
- For testing work, I have got many experience from Japan especially in IAM and instrumentation from Mr. Sato and some company.
6. Please state Your opinion about the Project
(e.g. Japanese Experts, Project Management, Activities, Thai counterpart personnel and so on)
- For Japanese experts, they can help us a lot of thing but some expert their period was too short, so experiment work or testing work can do in a roughly, only to know its principle.
7. Please state your opinion about the Project, after termination of cooperation period.
- For Agricultural Mechanization in Thailand, its just began. So AMC still need some assistance to develop Agricultural Mechanization.
- * Question 2,3,5 : for the persons who attend the training in Japan

QUESTIONNAIRES TO COUNTERPART PERSONNEL OF THAI

1. Name Miss Jasadee Kedjarune
- * 2. Training Period in Japan. Theme of Training/Observation in Japan
- * 3. Assignment and Position at the time of Training
 - Testing and Research Division
 - Training and Extension
 - (Temporary) Administrative Division
4. Present Assignment and Position
- * 5. Please State Your Comments
 - 1. Contents of Training in Japan is
 - a) Satisfied
 - b) Fairly satisfied
 - c) Unsatisfied(If you select (c), state the reason of it.)

 - 2. After returning to Thailand, studies performed in Japan are
 - a) Very useful
 - b) Fairly useful
 - c) Unuseful(If you select (a), (b), How is it useful? / If you select (c), state the reason of it.)
6. Please state Your opinion about the Project
(e.g. Japanese Experts, Project Management, Activities, Thai counterpart personnel and so on)
Japanese Experts: sometimes were not expert in the way they make research in AMC, sometimes the time is so short to make the serious report or if they had long time but he also had many reports to do.
It is better if we have some more manpower that supported by JICA Budget.
7. Please state your opinion about the Project, after termination of cooperation period.
AMC have a serious problem because of lacking of budget and manpower even to maintenance the implement of to continue the testing and research.
- * Question 2, 3, 5 : for the persons who attend the training in Japan

QUESTIONNAIRES TO COUNTERPART PERSONNEL OF THAI

1. Name Mr. Anek Sucheroen

* 2. Training Period in Japan, Theme of Training/Observation in Japan
6.5 months, Maintenance and Repair of Agricultural Machinery.

* 3. Assignment and Position at the time of Training

4. Present Assignment and Position

Maintenance and Repair division.

* 5. Please State Your Comments

-1. Contents of Training in Japan is

a) Satisfied

b) Fairly satisfied

c) Unsatisfied

(If you select (c), state the reason of it.)

low level

-2. After returning to Thailand, studies performed in Japan are

a) Very useful

b) Fairly useful

c) Unuseful

(If you select (a), (b), How is it useful? / If you select (c),
state the reason of it.)

6. Please state Your opinion about the Project

(e.g. Japanese Experts, Project Management, Activities, Thai counterpart personnel and so on)

Working with Japanese Experts, I have gained many new technology and experiences that I can apply in my work.

7. Please state your opinion about the Project, after termination of cooperation period.

My opinion about the Project, after termination of cooperation period is that AMC will give many problems for running the work because every year AMC has a small budget. I think that AMC needs to extend the Project about more 3-5 years.

* Question 2, 3, 5 : for the persons who attend the training in Japan

7 カウンターパーパート配置状況表

カウンターパーパート配置状況表

昭和61年3月28日 協力期間 昭和56年7月1日～57年6月30日

プロジェクト名	カウナート 大学農業普及機械化	協力期間	昭和56年7月1日～57年6月30日					
協力機関	タイ 国 カウナート大学 大学庁	指 導 専 門 家	備 考					
番号	カウナートパーパート氏名	職 名	配属年月日	専 門 分 野	学 歴	指 導 専 門 家	研 修 受 入 分 野 (期 間)	備 考
1	Mr. Poom Khumjians	所長 Associated Professor	昭 56. 7	農業普及	M. S. Kasetsart Univ.	長 井	農業普及 57. 3. 4 - 4. 15	
2	Mrs. Chatcharee Naritoom	助教授 Assistant Professor	"	農業普及	M. S. Kasetsart U.	長 井	農業普及 61. 6 -	予定
3	Mr. Wattana Savanyatipat	講師 Instructor	"	農業普及	M. S. Kasetsart U.	長 井	農業普及 57. 9. 17 - 10. 23	
4	Mr. Anuphorn Suanvejukkaskiki	Training Officer	"	視聴覚	B. A. Ramkhamh U.	内 海	教育TV番組 57. 7. 15 - 10. 3	
5	Mr. Kittij Sinsirivong	Subject Matter Specialist	"	農業普及	M. S. Kasetsart U.	小田島	農業普及 58. 7. 19 - 12. 4	
6	Mr. Chukiart Ruksorn	講師 Instructor	"	研修訓練	M. S. Kasetsart U.	長 井	農業普及 58. 4. 17 - 7. 7	
7	Mrs. Siripart Pramane	Subject Matter Specialist	昭 57. 11	研修訓練	M. S. Kasetsart U.	田 島	農業普及 80. 8. 15 - 12. 14	
8	Mr. Sirisak Piamsopae	Training Officer	昭 58. 8	研修訓練	B. S. Khonkhen U.	田 島	未 定	
9	Mrs. Ratana Aungkasit	Subject Matter Specialist	"	研修訓練	B. S. K. U. ; M. S. , UCLA	田 島	未 定	
10	Mr. Prasit Nontekarn	印刷担当主任	昭 56. 7	印 刷	Bangkok 技術短大	雑 野	印刷研修 58. 12. 1 - 58. 3. 6	
11	Mr. Charlophon Sirilapajarn	印刷担当職員	"	印 刷	Bangkok 技術短大	雑 野	未 定	
12	Mr. Chaivut Ponbunditpatana	印刷担当職員	"	印 刷	Bangkok 技術短大	雑 野	未 定	
13	Mr. Krit Proysohon	印刷担当職員	"	印 刷	Bangkok 技術短大	雑 野	未 定	
14	Mr. Prapas Notheranon	教育メディア担当職員	"	Video 製作	B. A. Silpakhorn Univ.	内 海	未 定	
15	Mr. Khlong Maneechaiya	教育メディア担当職員	"	写真, Video 製作	M. A. Silpakornart 大学	内 海	視聴覚研修 60. 3. 7 - 6. 11	
16	Mr. Pasakorn Viriyarame	教育メディア担当職員	"	商業ビデオ	Pochang 美術短大	内 海	未 定	
17	Mr. Somchai Nearyingruad	教育メディア担当主任	"	Video 製作	B. A. Silpakornart 大学	内 海	視聴覚研修 58. 1. 20 - 3. 14	
18	Mrs. Rutchanee Jarusan	教育メディア担当職員	"	Video 製作	B. A. Chieng Mai Univ.	内 海	視聴覚研修 60. 8. 28 - 61. 2. 28	
19	Mr. Sattaya Tangsomboon	教育メディア担当職員	"	美術ビデオ	B. A. Silpakornart 大学	内 海	未 定	
20	Mr. Phorn Suanvejukkaskiki	所長 Associated Professor	"	全般 管理	B. A. K. U. ; M. A. , ヲク 大	長 井	普及視察 60. 7. 4 - 7. 30	

No. 1-19 Staff are all full-time officers.
No. 20 is the Director of Extension Office, K. U.

カウクターパート配置状況表

昭和61年3月28日 報告者 小川 淨 寿

プロジェクト名	協力期間		備考					
“タイ・カセサート大学農業普及・農業機械化”の農業機械化	昭和56年7月1日～昭和61年6月30日							
協力機関	協力期間							
カセサート大学農業機械センター								
住所	協力期間							
ナコンパトム県カンベンセン、カセサート大学カンベンセンキャンパス								
郵便宛先	協力期間							
番号	カウクターパート氏名	職名	配属年月日	専門分野	学位	指導専門家	研修受入分野(期間)	備考
1	Mr. Banchaw Bhaholyotin	Director of Agricultural Machinery Center (AMC)	1981	農業工学農業動力及び機械	農学士 農業工学修士		Study. tour, 農業機械及び経営 1981年10月～11月	工学部農業工学科と兼任
2	Mr. Akradet Artachinda	Assistant Director of AMC	1981	農業工学 土壌及水	農学士 農業工学修士			同上
3	Mr. Tanya Niyamapa	Assistant Director of AMC	1981	農業工学農業機械及経営	工学士		Instrumentation 1983年3月3日～7月2日	同上
4	Mr. Siri Leeyavat-anunpong	Engineer	1981	機械工学	工学士		Field Operation 1983年3月17日～8月16日	同上
5	Mr. Vicha Manthamkan	Engineer	1982	農業工学農業機械及経営	農学士 工学修士		Testing 1984年3月1日～7月31日	
6	Mr. Prayouth Suwanachewakorn	Engineer	1983	農業工学	農学士			
7	Miss Jasadee Kedjarune	Engineer	1985	農業工学	農業工学士			
8	Mr. Naret Songprasert	Technician	1981	エンジン				
9	Mr. Niwat Suwattanaku	Technician	1981	エンジン				
10	Mr. Vichet Srichalphet	Technician	1983	エレクトロニクス				
11	Mr. Anek Sucharoen	Technician	1982	エンジン				

(注) 1. 関係機関の組織図(機関の長は氏名を記入)を添付のこと。

2. full-time でない場合、備考欄にその旨記載のこと。

8 機材の利用・管理状況表

機材の利用・管理状況表 Ⅷ-1

カセサート大学農業普及プロジェクト

昭和56年度 (1981)

分類	(b=baht , 単位の記載のないものは円)		(u:unit to other set)		(E.M.S: Educational Media Section)		(昭和61年3月31日現在)	
	機材名 (メーカー名・型式)	単価	数量	利用場所 (保管場所)	利用状況	管状	現況	備考 (特記事項)
供与機材 (180万円以上)								
管理部門								
No. 1	Station Wagon (Toyota Cressida 2000)	1 327 000	1 u	Management Section(M.S.)	A	A	A	178 965 Km
No. 2	Micro-bus (Toyota Hi-Ace 15 seats)	1 368 000	1 u	M.S.	A	A	A	96 265 Km
なし (180万円以下)								
現地調達機材 (180万円以上)								
なし (180万円以下)								
No. 3	Air Conditioner (Fedder Rotor 2000)	28 000 b	4 u	M.S.	A	A	A	
携行機材 (180万円以上)								
なし (180万円以下)								
No. 4	Books 1. Random House Eng.-Jap. Dictionary 2. Tropicana 3. Vegetables Of Dutch East Indies 4. Food, Agriculture And Nutrition 5. Climate, Water And Agriculture In Tropics	unknown	5	Library	C	B	B	

機材の利用・管理状況表 No. 2

カセサート大学農業普及プロジェクト
昭和57年度 (1982)

(b=baht , 単位の記載のないものは円) { u:unit, to (他 u set)
(E.N.S:Educational Media Section) (昭和61年3月31日現在)

分類	機材名(メーカー名・型式)	単価	数量	利用場所 (保管場所)	利用状況	管理 状況	備考 (特記事項)
供与機材 (160万円以上)							
印刷部門							
No. 1	Auto-focus Auto-expose Vertical Compact Camera (Dainihon Screen, Model:C-650-D)	6 785 000	1 u	Printing Shop	A	A	
管理部門							
No. 2	Light Truck (ISUZU:4wd 2000 Diesel)	1 576 000	1 u	M.S.	A	A	93 360 Km
(160万円以下)							
管理部門							
No. 3	Copy Machine (Ricoh DT 5800 R)	1 130 000	1 u	M.S.	D	D	修理のための 部品を60年 度供与機材と して表譜した
現地調達機材 (160万円以上)							
印刷部門							
No. 4	Computraphic Edit Machine (Writer 7800)	1 200 000 b	1 u	Printing Shpop	A	A	
(160万円以下)							
管理部門							
No. 5	Typewriter (Olympia SuperType)	28 000 b	1 u	M.S.	A	A	
(160万円以下)							
携行機材							
(160万円以上)							
(160万円以下)							
No. 6	Tools For Printing Machine	unknown					

機材の利用・管理状況表 Ⅲ 3

カセサート大学農業普及プロジェクト
昭和58年度 (1983) - 1

分類	機材名(メーカー名・型式)	単価		利用場所 (保管場所)	利用状況	管理 状況	備考 (特記事項)
		数	量				
(b=baht , 単価の記載のないものは円) (unit, その他は set) (E.H.S: Educational Media Section) (昭和61年3月31日現在)							
供与機材 (180万円以上) 教育メディア部門							
No. 1	Video Writer (SONY:FW-810)	1	2 000 000	E.H.S.	B	A	
No. 2	Video Editing Machine (SONY:VO 5850P)	1	3 100 000	E.H.S.	A	A	
No. 3	3-Tube Color Video Equipment (SONY:DXC-H3PK)	2	3 100 000	E.H.S.	A	A	
(180万円以下) 教育メディア部門							
No. 4	Portable Color Video Recorder (SONY:VO-480PS)	2	894 000	E.H.S.	A	A	
No. 5	Single Lens Reflex Camera (NIKON F3)	2	150 000	E.H.S.	A	A	
No. 6	35mm Panorama Camera (PANON Wide-lux F-5)	1	200 000	E.H.S.	B	A	
No. 7	Camera Lens (NIKOR F-3.5/35-70mm)	1	100 000	E.H.S.	A	A	
No. 8	Camera Lens (Micro-NIKKOR f4/105mm)	1	70 000	E.H.S.	A	A	
No. 9	Single Lens (NIKOR F3.5/28-85mm)	1	80 000	E.H.S.	A	A	
No. 10	Camera (NIKON FE 2 35mm, f1.4/50mm)	1	120 000	E.H.S.	A	A	
No. 11	Camera (NIKON FG, f1.4/50mm)	1	100 000	E.H.S.	A	A	
No. 12	Portable Video Tape Recorder And Camera (JVC:VHS G2-S3 ,TH-P3E.HRC3EC/EK)	1	610 000	E.H.S.	C	A	
No. 13	Portable Video Camera (SONY:AVC-3250 CEK)	1	133 000	E.H.S.	A	A	

分類	機材名(メーカー名・型式)	単価	数量	利用場所 (保管場所)	利用 状況	管理 状況	備考 (特記事項)
No.14	Color Receiver Monitor (SONY:CVH-2000 PES)	280 000	2	E.M.S.	A	A	
No.15	Color Video Monitor (NIKON PHOTO: 14")	157 000	2	E.M.S	A	A	
No.16	Portable Color Video Monitor (NIKON PHOTO:6")	123 000	2	E.M.S	B	A	
No.17	Amplifier 100 w (SONY:TA-412E)	150 000	2	E.M.S	B	A	
No.18	Amplifier 300 w (SONY:D-2240)	300 000	1	E.M.S	C	A	
No.19	Audio Mixer AMP. (SONY:12 Channel, RX-212)	850 000	1	E.M.S	A	A	
No.20	Stereo Cassette Deck (SONY:TC-K666ES)	130 000	1	E.M.S	A	A	
No.21	Wireless Amp. (SONY:2 Channel WT-02)	80 000	1	E.M.S	B	A	
No.22	Loud Speaker 100 W (SONY:RS-2000)	340 000	4	E.M.S	C	A	
No.23	Straight Horn Speaker 100 W (SONY:DH-11,DAH-11)	97 000	2	E.M.S	C	A	
No.24	Round Type Reflex Horn Speaker (SONY:TH-50LD,etc.)	90 000	2	E.M.S	C	A	
No.25	Wireless Microphone (SONY:WT-02)	25 000	2	E.M.S	B	A	
No.26	Overhead Projector ()	200 000	1	E.M.S	A	A	
No.27	PANA-copy (NATIONAL:KV5500)	1 344 000	1	E.M.S	B	A	
No.28	Personnel Computer (NEC PC-8001Bmk2)	1 155 000	1	Management Section	A	A	
No.29	Slide Projector (KODAK:Carousei S-AV 2050 ,etc.)	32 000 b	2	E.M.S	B	A	

管理部門

現地調達機材
{160万円以上
{160万円以下}
教育メディア部門

機材の利用・管理状況表 Ⅴ 5

カセサート大学農業普及プロジェクト
昭和59年度 (1984) - 1

分 類	機材名 (メーカー名・型式)	単 価	数 量	利用場所 (保管場所)	利用 状況	管 理 状 況	備 考 (特記事項)	
								(u:unit, t:台, v:set) (E.M.S: Educational Media Section)
供与機材 (160万円以上) 管理部門 印刷部門 教育メディア部門 (160万円以下) 教育メディア部門	No. 1	Micro-bus (NISSAN, DYCE 23 FUC)	1	u Management Section	A	A	19 368 Km	
	No. 2	Digital Color Densitometer (NIKON PHOTO , DM-500)	1	1 850 000	1	Printing Shop	A	A
	No. 3	Video Projector (SONY: VPH-1020GM, VPS-100F, etc.)	1	1 800 000	1	E M S	B	A
	No. 4	Video Tape Editing machine (VICTOR: RM-861, etc.)	1	1 800 000	1	E M S	B	A
	No. 5	Audio Dubbing Open Reel System (UENO: NATIONAL, RS-1500 u.)	3	1 700 000	3	E M S	A	A
	No. 6	Time Base Collector (SONY: For AFA-410)	1	2 500 000	1	E M S	A	A
	No. 7	Color Collector (SONY: CCS-4200)	1	1 600 000	1	E M S	A	A
	No. 8	Audio Cassette Duplicator (SONY: CCP-13B, etc.)	1	800 000	1	E M S	A	A
	No. 9	Color Control Unit Video Writer (SONY: CC-910, etc)	1	800 000	1	E M S	B	A
	No. 10	RF Modulator (SONY: For VO 4000/5000 series)	1	65 000	1	E M S	A	A
	No. 11	Horseman Professional Photo- graphic System (Horseman L45EH, etc)	1	980 000	1	E M S	B	A
	No. 12	Enlarger (FUJI G450, etc)	1	700 000	1	E M S	A	A
	No. 13	Video Pointer (SONY: For VP380)	1	150 000	1	E M S	A	A
	No. 14	Video Light 850 W (SONY: CAT-KIT-3)	3	250 000	3	E M S	B	A
	No. 15	Special Effect Generator (SONY: SEC-200 AP)	1	1 100 000	1	E M S	A	A
	No. 16	Camera Control Unit	2	250 000	2	E M S	B	A

機材の利用・管理状況表 Ⅱ 6

コンピュータ大学農業普及プロジェクト
昭和59年度 (1984) - 2

(b=baht , 単位の記載のないものは円) (u:unit, to 他 c set)
(E.M.S:Educational Media Section) (昭和61年3月31日現在)

分類	機材名 (メーカー名・型式)	単価	数量	利用場所 (保管場所)	利用状況	管理状況	備考 (特記事項)
搬行機材 (160万円以上) なし (160万円以上) 管理部門	No.17 Word Processor (Cano Word 35 E)	800 000	1	Management Section	A	A	
現地調達機材 (160万円以上) 管理部門	No.18 Mini-bus (ISUZU:BL 36UDH)	430 000 b	1	Management Section	A	A	8 620 Km
(160万円以下) 管理部門	No.19 Stencil Duplicator (Gestetner 1588)	75 000 b	1	Management Section	A	A	

9 機械化ニューフェーズ要望書

Agricultural Mechanization Technology Development Project

Kasetsart University

Agricultural Mechanization Technology Development Project

-Rational

Since the completion of Agricultural Machinery Center June 1981, it has been supplemented and reinforced year by year under the KU-JAPAN joint project "Agricultural Extension and Agricultural Mechanization Project." for a five year program which will be terminated on June 1986. In order to promote effective use of the equipment and facilities donated, AMC need further technical assistance from the Government of Japan. Staffs of AMC are newly recruited and need to be trained as well as the supervision on the operation and maintenance of various kinds of sophisticated equipment and instrument. In the meanwhile this project is proposed as an attempt to conduct the role of technology development of the agricultural machinery and its utilization since the Center could provide such facilities as research, testing and training.

- Activity

The main goal is to develop the agricultural machinery and equipment to suit local condition and environment as well as the proper management of them.

- Objectives

1. To develop the agricultural machinery and/or implement fit for Thailand condition.
2. To improve the existing agricultural machines and equipment locally made.
3. To standardize the agricultural machines, implements and equipment.

4. To extend the technology about agricultural machinery and equipment by mean of training, seminar, etc.

- Importance and Benefits

Upon the completion of the project, the land preparation; planter and harvester implement and equipment of the low land and up land crop will be improved and/or developed to suit for the local condition. It means not only to attempt improving agricultural production but also to upgrade the locally made implement and equipment to standard which is the nation need.

- Duration of the Project

5 years.

- Assistance Request

1. Japanese Experts

1.1 Long term expert for the project

1.2 Short term expert in the field of:

1.2.1 Implement test (2)

1.2.2 Power test (2)

1.2.3 Instrumentation (2)

1.2.4 Rice planter (2)

1.2.5 Upland planter (2)

1.2.6 Rice harvester (2)

1.2.7 Upland harvester (2)

1.2.8 Soil science (1)

1.2.9 Post harvest (2)

2. Training fellowships

2.1 Study tour of four senior staffs

2.2 Training of ten junior staffs

2.2.1 Implement test (2)

2.2.2 Instrumentation (2)

2.2.3 Power testing (2)

2.2.4 Design (1)

2.2.5 Soil practice (1)

2.2.6 Research method (1)

2.2.7 Mechanization (1)

3. Equipment

Specific equipment to be consulted with the survey team.

4. Estimated Fund

Equipment and material	250 M¥
Training & seminar operating cost	30 M¥
Experts and fellowship	M¥
Research, testing and standardization operating cost	40 M¥

7. Mr. Mongkon Kwangwaropas (M.S.)
Agricultural engineer
8. Mr. Tanya Niyamapa (M.Eng)
Agricultural Engineer
9. Mr. Bundit Jarimopas (Ph.D)
Agricultural Engineer
10. Mr. Bharata Kunjara (M.Eng.)
Agricultural Engineer
11. Mr. Apichart Jirattiyangkul (Ph.D)
Civil Engineer
12. Mr. Kanoksakdi Iam-opas (M.S.)
Agricultural Engineer

Department of Irrigation Engineering

13. Mr. Jessada Kaewkalaya (Ph.D)
Irrigation Engineer
14. Mr. Wiboon Boonyatharokul (Ph.D)
Irrigation Engineer
15. Mr. Somchai Jantharasri (M.S.)
Irrigation Engineer
16. Mr. Wichai Kiyawatworawet (M.S.)
Irrigation Engineer
17. Mr. Montri Khamchoo (M.S.)
Irrigation Engineer

Department of Farm Mechanics

18. Mr. Tanong Patoompong (M.S.)
Agricultural Mechanization

19. Mr. Sakda Intharavichai (M.S.)
Agricultural Mechanization
20. Miss Ratana Udomanusorn (B.S.)
Agricultural Mechanization
21. Mr. Sudsaisin Kaewrueng (B.S.)
Agricultural Engineer

Department of Mechanical Engineering

22. Mr. Pipon Boonchanta (Ph.D.)
Mechanical Engineer
23. Mr. Wuttichai Kapilakan (M.S.)
Mechanical Engineer
24. Santi Wiriyawit (Ph.D.)
Mechanical Engineer

Department of Agriculture

25. Mrs. Suntaree Akkratanakul (Ph.D.)
Soil Science
26. Mr. Akawut Tadsanasongchan (Ph.D.)
Agronomy
-

Tentative Schedule of the Project

Item	Year	1 st	2 nd	3 rd	4 th	5 th
1. Research for the development of low-land planter and harvester and up-land seeder and/or planter and harvester.	<p>1. Research of rice transplanter and harvester.</p> <p>2. Research of corn seeder and harvester.</p> <p>3. Research of sugar cane planter and harvester.</p>					

Finalization and elvaluation of research.

Item	Year	1st	2nd	3rd	4th	5th
2) Improvement of low-land planter and harvester and upland planter and/or seeder and harvester.	<p>1. Performance test and improvement of rice transplanter and harvester.</p> <p>2. Performance test and improvement of corn seeder and sugar cane planter and harvesters.</p> <p>Testing the machinery and implements upon request.</p>					Analysis and evaluation of results.
3) Technical analysis of agricultural machinery and implements.						
4) Advice and guidance on agricultural mechanization by mean of training, seminar, etc.	<p>1. To hold seminar.</p> <p>2. Making of training program.</p> <p>3. Evaluation of training results.</p>					With cooperation of organizations concern some agricultural machines and/or implements will be set to standard.

Agricultural Mechanization Technology Development Project

概要

1981年6月に完成してから、AMOはKU-JAPAN PROJECT「農業機械化計画」の下で年々補強されてきた。このプロジェクトは1986年6月で5年間の協力期間を終了する。供与された機材、施設の有効利用促進のため、AMCには日本からさらに技術援助が必要である。AMCのスタッフが新たに採用され、多くの機材、器具の操作、維持の管理者としての訓練も必要である。

一方、AMCは研究、試験、研修を行える施設があり、本プロジェクトは、農業機械とその利用法についての技術開発を行うよう要請されている。

活動

主目標は、現地の条件、環境に合った農業機械、器具とその使用法を開発することである。

目的

1. タイの環境に合った農業機械、器具の開発を行う。
2. 既存、現地製の農業機械、器具の改良を行う。
3. 農業機械、器具の標準化を行う。
4. 研修、セミナー等により農業機械、器具についての技術の普及を行う。

重要性及び有益性

新プロジェクト完了後は、圃場整備、移植機、収穫機、水田、畑の機械、器具が現地条件に改良、開発されるだろう。これは農業生産と向上させることだけでなく、現地製の機械、器具をタイにおいて必要である標準型にまでグレードアップさせることを意味する。

新プロジェクトの期間

5年間

援助要請

1. 日本人専門家
 - 1.1 長期専門家
 - 1.2 以下分野の短期専門家
 - 1.2.1 機器テスト (2)
 - 1.2.2 パワーテスト (2)
 - 1.2.3 計器使用 (2)
 - 1.2.4 稲移植機 (2)
 - 1.2.5 畑移植機 (2)
 - 1.2.6 稲収穫機 (2)
 - 1.2.7 畑 " (2)
 - 1.2.8 土壌科学 (2)

1. 2. 9 ポストハーベスト (2)
2. 研 究
2. 1 シニアスタッフの視察
2. 2 ジュニアスタッフの研修
2. 2. 1 機器テスト (2) 2. 2. 5 土壌実習 (1)
2. 2. 2 計器使用 (2) 2. 2. 6 研究方法 (1)
2. 2. 3 パワーテスト (2) 2. 2. 7 機械化 (1)
2. 2. 4 設 計 (1)
3. 機 材；調査団と協議して機材決定する。
4. 見積資金；資 機 材 250,000 千円
- 研修，セミナー 30,000 千円
- 専門家，研修員
- 研究，試験，標準化，運営費 40,000 千円

プロジェクトの暫定計画

年 次	1	2	3	4	5
1. 水田用移植機，収穫機及び畑作用播種機，移植機，収穫機の研究・開発	1. 水田移植機，収穫機の研究 2. トウモロコシ播種機，収穫機の研究 3. サトウキビ移植機，収穫機の研究				研究のまとめと評価 " "
2. 水田用移植機，収穫機及び畑作用移植機，播種機，収穫機の改良	1. 稲作用移植機，収穫機の性能試験と改良 2. トウモロコシ播種機，サトウキビ移植機，収穫機の性能試験と改良				成果の分析と評価 "
3. 農業機械・器具の技術分析	要請に応じた機械器具の試験				
4. 研修，セミナーによる農業機械化への指導助言	1. セミナー開催 2. 研修計画策定 3. 研修成果の評価				

10. タイ国におけるプロジェクトの位置付け

プロジェクト名：タイ国 カセサート大学 農業普及

<p>1. 当該プロジェクトの位置付け</p> <p>貴プロジェクトの現時点における当該国の関係する分野の施策について、どのように位置付けられているかを下記事項を参考に記述して下さい。</p> <p>(1) 国家開発計画における当該分野の位置付け。</p> <p>a. 第5次社会開発計画(1981-86)では、農民の低所得解消を大きな目標としていたが、成果をあげていない。</p> <p>b. 第6次社会開発計画(1986.9-1991.9)は、年平均経済成長率5%を目標として、雇傭増大、所得配分、経済の均衡安定のため</p> <p>1. 国民全部に経済発展の利益を享受させる。</p> <p>2. 生産物、技術の質の向上を計る。</p> <p>3. 政府機能が十分活動できるように再編成して、政府、公企業、民間が組織的に協働できる態勢にする。</p> <p>(2) 当該分野についての各種具体的施策の概要。</p> <p>農業部門では、天然資源の有効利用を計り、主要生産物に高い付加価値をもたせる。このため</p> <p>a. 作物、家畜の生産増大、代替新規作物の作付増加を計る。</p> <p>b. 世界市場の需要に適合した良質の農畜産物の生産を増大して、農民所得の増加を計る。</p> <p>c. 13グループ(米、トウモロコシ、ソルゴー、油料作物、根菜類、せんい作物、果実、花、野菜、ゴム、まゆ、たばこ、砂糖)に集中して、研究、生産の進展を計る。</p> <p>(3) (2)における貴プロジェクトの位置付け</p> <p>第6次5カ年経済発展計画とは直接の関係はないが、農業分野の発展のため、各種の研究コースは、益するところが多い。</p>	<p>2. 関連プロジェクトの概要</p> <p>貴プロジェクトと類似ないし関連する他の諸外国国際機関のプロジェクトがありましたら、下記事項を中心に記述下さい。</p> <p>(1) プロジェクト名</p> <p>該当なし</p> <p>(2) 囲名・機関名</p> <p>(3) プロジェクトの概要</p> <p>(4) 貴プロジェクトとの連携の有無 (有の場合その内容)</p>
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タイ国におけるプロジェクトの位置付け

タイカセサート大学農業機械化 1986.2.18

<p>1. 当該プロジェクトの位置付け</p> <p>費プロジェクトの現時点における当該国の関係する分野の施策について、どのように位置付けられているのかを下記事項を参考に記述して下さい。</p> <p>(1) 国家開発計画における当該分野の位置付け</p> <p>第5次開発計画(1982-1986)の農業年率生産増3.1%を実現するには未開発原野が殆どない現状では土地の集約的利用が重要となり、他の増産技術とともに適正農業機械化が重要な一面と考えられるようになってきている。</p> <p>(2) 当該分野についての各種具体的施策の概要</p> <p>従来の放任主義から次の様に変ってきた。</p> <p>(i) 政府内に農業機械化委員会を設けて政策を検討している。</p> <p>(ii) FAO・UNDP(国連機関)と共同で1980年から1984年まで農業機械生産プロジェクトを実施した。</p> <p>(iii) 上記プロジェクトではタイ国の農業機械化についての全国組織体制案を提案している。</p> <p>(3) (2)における費プロジェクトの位置付け</p> <p>当プロジェクトサイトのカセサート大学農業機械センター(AMC)は(2)(iii)において補助的な役割が与えられている。</p>	<p>2. 関連プロジェクトの概要</p> <p>費プロジェクトと類似ないし関連する他の諸外国国際機関のプロジェクトがありましたら、下記事項を中心に記述下さい。</p> <p>(1) プロジェクト名</p> <p style="padding-left: 20px;">Regional Network for Agricultural Machinery (農業機械(アジア・太平洋)地域ネットワーク)</p> <p>(2) 国名・機関名</p> <p style="padding-left: 20px;">実施機関; ESCAP ネットワーク加盟国; インド, インドネシア, イラン, パキスタン, フィリッピン, 韓国, スリランカ, タイ 計8ヶ国</p> <p>(3) プロジェクトの概要</p> <p>加盟国がフィリッピン所在の事務局を中心にしてネットワークを組み有機的に連絡をとりながら、健全な農業機械化を進めるためのワークショップ, 研修, 定期刊行物・技術資料の印刷頒布等を行っている。</p> <p>(4) 費プロジェクトとの連携の有無(有の場合その内容)</p> <p>タイ国内のこのプロジェクトのカウンターパートは農業協同組合省農業局の農業工学部であり、他省であるので今迄多少の連絡はあったが連携はなかった。本年初頭AMCの施設の有効利用の観点からの打診を行ったが早急の進展は難しそうである。</p>
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12 関 連 資 料 一 覧

№	報 告 書 名	作 成 月	資 料 番 号	頁 数	版	概 要 (チーム構成, 調査期間, 調査結果)
1	タイ王国カセサート大学施設整備: 農業普及研修センター及び農機具センター基本設計報告書	54. 3	農計技		A4	
2	Preliminary Design for the National Agricultural Extension and Training Service Center and The Agricultural Machinery and Equipment Center of Kasetsart University Kamphaensaen Campus in the Kingdom of Thailand	"	"		"	
3	タイ, カセサート大学農業普及機械化計画長期調査員報告	57. 2	農開畜 JR81-56	213	"	長期調査, 長井調査員 55.12.25 ~ 56.2.24 今泉調査員 56.1.20 ~ 56.2.24
4	タイ国カセサート大学農業普及・機械化計画実施協議調査報告書	56. 9	農開畜 JR81-55	144	"	実施協議, 遠藤団長他5名 56.4.21 ~ 56.5.2
5	昭和56年度普及効果測定調査報告書	58. 3		60	B5	普及効果測定調査, 長井リーダー他
6	タイ国における稲作作業に関する調査報告(第I部)	58.12		139	B5	専門家報告書, 今泉リーダー他
7	タイ, カセサート大学農業普及機械化計画巡回指導報告書	60. 3	農開畜 JR85-49	145	A4	巡回指導, (57年度)藤岡団長他2名 57.1.30 ~ 57.2.5 (58年度)船曳団長他3名 58.7.11 ~ 58.7.22
8	タイ, カセサート大学農業普及機械化計画試験圃場整備工事に係る施工管理業務報告書	59. 6		511	"	モデルインフラ整備施工管理, 湯川専門家他1名 58.12.23 ~ 59.6.20
9	同 (図面集)	"		132	A4	"
10	タイ, カセサート大学農業普及機械化計画昭和59年度巡回指導報告書	60. 8	農開畜 JR85-87	58	"	巡回指導, 浅川団長他2名 59.3.17 ~ 59.3.23
11	タイ国における稲作作業に関する調査報告(第II部)	59. 8	農開畜 JR85-95	111	"	専門家報告書, 今泉七郎前リーダー他

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